Harvest Landing Retail Center & Business Park Project

NOISE AND VIBRATION ANALYSIS

CITY OF PERRIS

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TABLE OF CONTENTS

TABLE OF CONTENTS III
APPENDICES V
LIST OF EXHIBITS V
LIST OF TABLES VI
LIST OF ABBREVIATED TERMS VII
EXECUTIVE SUMMARY 1
1 INTRODUCTION 3
1.1 Site Location 3
1.2 Project Description 3
2 FUNDAMENTALS 9
2.1 Range of Noise 9
2.2 Noise Descriptors 10
2.3 Sound Propagation 10
2.4 Noise Control 11
2.5 Noise Barrier Attenuation 11
2.6 Land Use Compatibility With Noise 12
2.7 Community Response to Noise 12
2.8 Vibration 13
3 REGULATORY SETTING 15
3.1 State of California Noise Requirements 15
3.2 State of California Green Building Standards Code 15
3.3 City of Perris General Plan Noise Element 16
3.4 Operational Noise Standards 16
3.5 Construction Noise Standards 17
3.6 Construction Vibration Standards 17
3.7 Perris Valley Airport 18
3.8 March Air Reserve Base/Inland Port Airport (MARB/IPA) 18
4 SIGNIFICANCE CRITERIA 23
4.1 Noise Sensitive Use Noise Level Increases (Threshold A) 23
4.2 Vibration (Threshold B) 24
4.3 CEQA Guidelines Not Further Analyzed (Threshold C) 25
4.4 Significance Criteria Summary 25
5 EXISTING NOISE LEVEL MEASUREMENTS 27
5.1 Measurement Procedure and Criteria 27
5.2 Noise Measurement Locations 27
5.3 Noise Measurement Results 28
6 TRAFFIC NOISE METHODS AND PROCEDURES 31
6.1 FHWA Traffic Noise Prediction Model 31
6.2 Traffic Noise Prediction Model Inputs 31
7 OFF-SITE TRAFFIC NOISE ANALYSIS 37
7.1 Traffic Noise Contours 37
7.2 Existing Project Traffic Noise Level Increases 37

7.3 OY PHASE I (2026) Project Traffic Noise Level Increases 47
7.4 OY PHASE II (2030) Project Traffic Noise Level Increases 47
7.5 GP (2045) Project Traffic Noise Level Increases 48
7.6 Off-Site Cumulative Traffic Noise Impacts 48
7.7 Off-Site Traffic Noise Impacts 53
8 SENSITIVE RECEIVER LOCATIONS 55
9 OPERATIONAL NOISE IMPACTS 59
9.1 Operational Noise Sources 59
9.2 Reference Noise Levels 59
9.3 CadnaA Noise Prediction Model 63
9.4 Phase 1 Project Operational Noise Levels 63
9.5 Phase 1 Operational Noise Level Compliance 64
9.6 Phase 1 Operational Noise Level Increases 66
9.7 Phase 2, With Overlay Scenario Operational Noise Levels 69
9.8 Phase 2, With Overlay Scenario Operational Noise Level Compliance 69
9.9 Phase 2, With Overlay Operational Noise Level Increases 71
9.10 Phase 2, Without Overlay Operational Noise Levels 74
9.11 Phase 2, Without Overlay Scenario Operational Noise Level Compliance 75
9.12 Phase 2, Without Overlay Operational Noise Level Increases 77
9.13 Operational Vibration Impacts 77
10 CONSTRUCTION IMPACTS 81
10.1 Construction Noise Levels 81
10.2 Construction Reference Noise Levels 81
10.3 Phase 1 Construction Noise Analysis 83
10.4 Phase 1 Construction Noise Level Compliance 84
10.5 Phase 1 Construction Noise Level Increases 85
10.6 Phase 2, With Overlay Construction Noise Analysis 86
10.7 Phase 2, With Overlay Construction Noise Level Compliance 87
10.8 Phase 2, With Overlay Construction Noise Level Increases 88
10.9 Phase 2, Without Overlay Construction Noise Analysis 89
10.10 Phase 2, Without Overlay Construction Noise Level Compliance 90
10.11 Phase 2, Without Overlay Construction Noise Level Increases 91
10.12 Off-Site Construction Noise Analysis 92
10.13 Nighttime Concrete Pour Noise Analysis 93
10.14 Construction Vibration Analysis 94
11 REFERENCES 97
12 CERTIFICATION 99

APPENDICES

APPENDIX 3.1: CITY OF PERRIS MUNICIPAL CODE CHAPTER 7.34
APPENDIX 5.1: STUDY AREA PHOTOS
APPENDIX 5.2: NOISE LEVEL MEASUREMENT WORKSHEETS
APPENDIX 7.1: OFF-SITE TRAFFIC NOISE CONTOURS
APPENDIX 9.1: PHASE 1 - OPERATIONAL NOISE CALCULATIONS (LMAX)
APPENDIX 9.2: PHASE 1 - OPERATIONAL NOISE CALCULATIONS (LEQ)
APPENDIX 9.3: PHASE 2, WITH OVERLAY - OPERATIONAL NOISE CALCULATIONS (LMAX)
APPENDIX 9.4: PHASE 2, WITH OVERLAY - OPERATIONAL NOISE CALCULATIONS (LEQ)
APPENDIX 9.5: PHASE 2, WITHOUT OVERLAY - OPERATIONAL NOISE CALCULATIONS (LMAX)
APPENDIX 9.6: PHASE 2, WITHOUT OVERLAY - OPERATIONAL NOISE CALCULATIONS (LEQ)
APPENDIX 10.1: PHASE 1 - CONSTRUCTION NOISE CALCULATIONS (LMAX)
APPENDIX 10.2: PHASE 1 - CONSTRUCTION NOISE CALCULATIONS (LEQ)
APPENDIX 10.3: PHASE 2, WITH OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LMAX)
APPENDIX 10.4: PHASE 2, WITH OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LEQ)
APPENDIX 10.5: PHASE 2, WITHOUT OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LMAX)
APPENDIX 10.6: PHASE 2, WITHOUT OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LEQ)
APPENDIX 10.7: OFF-SITE CONSTRUCTION NOISE MODEL CALCULATIONS
APPENDIX 10.8: CONCRETE POUR NOISE CALCULATIONS

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP 6
EXHIBIT 1-B: SITE PLAN 7
EXHIBIT 2-A: TYPICAL NOISE LEVELS 9
EXHIBIT 2-B: NOISE LEVEL INCREASE PERCEPTION 12
EXHIBIT 2-C: TYPICAL LEVELS OF GROUND-BORNE VIBRATION 14
EXHIBIT 3-A: RC ALUCP SUPPORTING COMPATIBILITY CRITERIA: NOISE 19
EXHIBIT 3-B: PERRIS VALLEY AIRPORT (PV) NOISE CONTOURS 20
EXHIBIT 3-C: MARB/IPA FUTURE AIRPORT NOISE CONTOURS 21
EXHIBIT 5-A: NOISE MEASUREMENT LOCATIONS 29
EXHIBIT 8-A: SENSITIVE RECEIVER LOCATIONS 56
EXHIBIT 9-A: OPERATIONAL NOISE SOURCE LOCATIONS 60
EXHIBIT 10-A: CONSTRUCTION NOISE SOURCE LOCATIONS 82

LIST OF TABLES

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS 1
TABLE 3-1: OPERATIONAL NOISE STANDARDS 17
TABLE 3-2: CONSTRUCTION NOISE STANDARDS 17
TABLE 4-1: SIGNIFICANCE CRITERIA SUMMARY 26
TABLE 5-1: 24-HOUR AMBIENT NOISE LEVEL MEASUREMENTS 28
TABLE 6-1: OFF-SITE ROADWAY PARAMETERS 32
TABLE 6-2: AVERAGE DAILY TRAFFIC VOLUMES 33
TABLE 6-3: TIME OF DAY VEHICLE SPLITS 34
TABLE 6-4: EXISTING WITH PROJECT VEHICLE MIX 34
TABLE 6-5: OY PHASE I (2026) WITH PROJECT VEHICLE MIX 35
TABLE 6-6: OY PHASE II (2030) WITH PROJECT VEHICLE MIX 35
TABLE 6-7: GENERAL PLAN (2045) WITH PROJECT VEHICLE MIX 36
TABLE 7-1: EXISTING WITHOUT PROJECT CONTOURS 38
TABLE 7-2: EXISTING WITH PROJECT CONTOURS 39
TABLE 7-3: OY PHASE I (2026) WITHOUT PROJECT CONTOURS 40
TABLE 7-4: OY PHASE I (2026) WITH PROJECT CONTOURS 41
TABLE 7-5: OY PHASE II (2030) WITHOUT PROJECT CONTOURS 42
TABLE 7-6: OY PHASE II (2030) WITH PROJECT CONTOURS 43
TABLE 7-7: GENERAL PLAN (2045) WITHOUT PROJECT CONTOURS 44
TABLE 7-8: GENERAL PLAN (2045) WITH PROJECT CONTOURS 45
TABLE 7-9: EXISTING WITH PROJECT TRAFFIC NOISE INCREASES 46
TABLE 7-10: OY PHASE I (2026) WITH PROJECT TRAFFIC NOISE INCREASES 49
TABLE 7-11: OY PHASE II (2030) WITH PROJECT TRAFFIC NOISE INCREASES 50
TABLE 7-12: GENERAL PLAN (2045) WITH PROJECT TRAFFIC NOISE INCREASES 51
TABLE 7-13: CUMULATIVE OFF-SITE TRAFFIC NOISE INCREASES 52
TABLE 9-1: REFERENCE NOISE LEVEL MEASUREMENTS 61
TABLE 9-2: PHASE 1 DAYTIME OPERATIONAL NOISE LEVELS 64
TABLE 9-3: PHASE 1 NIGHTTIME OPERATIONAL NOISE LEVELS 64
TABLE 9-4: PHASE 1 OPERATIONAL NOISE LEVEL COMPLIANCE 65
TABLE 9-5: PHASE 1 OPERATIONAL NOISE LEVEL COMPLIANCE (CNEL) 66
TABLE 9-6: PHASE 1 DAYTIME OPERATIONAL NOISE LEVEL INCREASES (LEQ) 67
TABLE 9-7: PHASE 1 NIGHTTIME NOISE LEVEL INCREASES (LEQ) 68
TABLE 9-8: PHASE 2, WITH OVERLAY DAYTIME OPERATIONAL NOISE LEVELS 69
TABLE 9-9: PHASE 2, WITH OVERLAY NIGHTTIME OPERATIONAL NOISE LEVELS 70
TABLE 9-10: PHASE 2, WITH OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE 70
TABLE 9-11: PHASE 2, WITH OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE (CNEL) 71
TABLE 9-12: PHASE 2, WITH OVERLAY DAYTIME PROJECT NOISE INCREASES (LEQ) 72
TABLE 9-13: PHASE 2, WITH OVERLAY NIGHTTIME PROJECT NOISE INCREASES (LEQ) 73
TABLE 9-14: PHASE 2, WITHOUT OVERLAY DAYTIME OPERATIONAL NOISE LEVELS 74
TABLE 9-15: PHASE 2, WITHOUT OVERLAY NIGHTTIME OPERATIONAL NOISE LEVELS 75
TABLE 9-16: PHASE 2, WITHOUT OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE 76
TABLE 9-17: PHASE 2, WITHOUT OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE (CNEL) 76
TABLE 9-18: PHASE 2, WITHOUT OVERLAY DAYTIME PROJECT NOISE INCREASES (LEQ) 78
TABLE 9-19: PHASE 2, WITHOUT OVERLAY NIGHTTIME PROJECT NOISE INCREASES (LEQ) 79

TABLE 10-1: CONSTRUCTION REFERENCE NOISE LEVELS....83
TABLE 10-2: PHASE 1 CONSTRUCTION NOISE LEVEL SUMMARY....84
TABLE 10-3: PHASE 1 CONSTRUCTION NOISE LEVEL COMPLIANCE....85
TABLE 10-4: PHASE 1 DAYTIME CONSTRUCTION NOISE LEVEL INCREASES....86
TABLE 10-5: PHASE 2, WITH OVERLAY CONSTRUCTION NOISE LEVEL SUMMARY....87
TABLE 10-6: PHASE 2, WITH OVERLAY CONSTRUCTION NOISE LEVEL COMPLIANCE....88
TABLE 10-7: PHASE 2, WITH OVERLAY DAYTIME CONSTRUCTION NOISE LEVEL INCREASES....89
TABLE 10-8: PHASE 2, WITHOUT OVERLAY CONSTRUCTION NOISE LEVEL SUMMARY....90
TABLE 10-9: PHASE 2, WITHOUT OVERLAY CONSTRUCTION NOISE LEVEL COMPLIANCE....91
TABLE 10-10: PHASE 2, WITHOUT OVERLAY DAYTIME CONSTRUCTION NOISE LEVEL INCREASES....92
TABLE 10-11: OFF-SITE CONSTRUCITON NOISE ANALYSIS....93
TABLE 10-12: NIGHTTIME CONCRETE POUR NOISE LEVEL COMPLIANCE....94
TABLE 10-13: VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT....94
TABLE 10-14: CONSTRUCTION EQUIPMENT VIBRATION LEVELS....95

LIST OF ABBREVIATED TERMS

(1)	Reference
ADT	Average Daily Traffic
ANSI	American National Standards Institute
Calveno	California Vehicle Noise
CEQA	California Environmental Quality Act
CNEL	Community Noise Equivalent Level
dBA	A-weighted decibels
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
INCE	Institute of Noise Control Engineering
L_{eq}	Equivalent continuous (average) sound level
L_{max}	Maximum level measured over the time interval
LUCP	Land Use Compatibility Plan
MARB/IPA	March Air Reserve Base/Inland Port Airport
mph	Miles per hour
OPR	Office of Planning and Research
PV	Perris Valley Airport
PPV	Peak particle velocity
Project	Harvest Landing Retail Center & Business Park Project
REMEL	Reference Energy Mean Emission Level
RMS	Root-mean-square
VdB	Vibration Decibels

EXECUTIVE SUMMARY

Urban Crossroads, Inc. has prepared this Noise and Vibration Analysis to determine the potential noise and vibration impacts and the necessary noise mitigation measures, if any, for the proposed Harvest Landing Retail Center & Business Park Project development ("Project"). The Project site is bounded by I-215 to the west, Perris Boulevard to the east, Nuevo Road to the south, and Placentia Avenue to the north within the City of Perris. The proposed Project's buildout would include approximately 5,735,535 square feet of Multiple Business uses and 428,507 square feet of Commercial uses. This study has been prepared to satisfy applicable City of Perris standards and thresholds of significance based on guidance provided by Appendix G of the Guidelines for Implementation of the California Environmental Quality Act (State CEQA Guidelines). (1)

The results of this Harvest Landing Retail Center & Business Park Project Noise and Vibration Analysis are summarized below based on the significance criteria in Section 4 of this report. Table ES-1 shows the findings of significance for each potential noise and/or vibration impact under the California Environmental Quality Act (CEQA) before and after any required mitigation measures.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Off-Site Traffic Noise	7	*Potentially Significant*	*Significant and Unavoidable*
Operational Noise & Vibration	9	*Less Than Significant*	-
Construction Noise	10	*Less Than Significant*	-
Nighttime Concrete Pour		*Less Than Significant*	-
Construction Vibration		*Less Than Significant*	-

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1 INTRODUCTION

This Noise and Vibration Analysis has been completed to determine the potential noise and vibration impacts associated with the development of the proposed Harvest Landing Retail Center & Business Park Project ("Project"). This study briefly describes the Project, provides information regarding noise fundamentals, sets out the local regulatory setting, presents the study methods and procedures for noise analysis, evaluates the future exterior noise environment, potential off-site traffic impacts, the Project-related long-term stationary-source operational noise, and Project-related short-term construction noise and vibration impacts.

1.1 SITE LOCATION

The Project site includes approximately 358.28 acres and is generally bounded by I-215 to the west, Perris Boulevard to the east, Nuevo Road to the south, and Placentia Avenue to the north within the City of Perris, as shown on Exhibit 1-A. The Project site includes the current Harvest Landing Specific Plan (Specific Plan) area and parcels proposed to be annexed into the Specific Plan.

1.2 PROJECT DESCRIPTION

The Harvest Landing Specific Plan ("Specific Plan") currently covers 341.1 acres for residential, business, commercial, and open space uses. The proposed amendment will annex three parcels and add an overlay to a neighboring parcel, increasing the total Specific Plan area to 358.28 acres. It also revises the land use plan, replacing residential use with business and commercial designations. The project will be developed in two phases. Phase 1 covers 235.79 acres (inclusive of water quality and roadway improvements), while Phase 2 covers 111.83-acres with a 10.66-acres Overlay[1] area, which lacks specific plans at this time. The maximum development density for Phase 2 is assessed programmatically in the Draft EIR, with future entitlements required for its development. A conceptual site plan is shown on Exhibit 1-B.

The proposed Project would include a total buildout of approximately 5,735,535 square feet of Multiple Business uses and 428,507 square feet of Commercial uses.[2] The characteristics of each proposed Industrial and commercial for Phase 1, Phase 2 and Project Buildout are shown in Table 1-1.

[1] It should be noted that for purposes of analysis and conservative scenario, the 10.66-acre Overlay area of the Project was analyzed as a Without Overlay Scenario for Phase 1 2026 conditions and With Overlay Scenario for Phase 2 2030 conditions, as it is unknown at this time whether the Overlay area would be built out.

[2] The Phase 2 buildout square footage of 4,007,955 SF was based on the gross acreage of parcels within the Phase 2 area prior to roadway dedications. After roadway dedications, the maximum allowable development within Phase 2 would actually be 4,001,748 SF. However, for purposes of providing a conservative analysis, a buildout of 4,007,955 SF was assumed.

TABLE 1-1: PROJECT SQUARE FOOTAGE ASSUMPTIONS

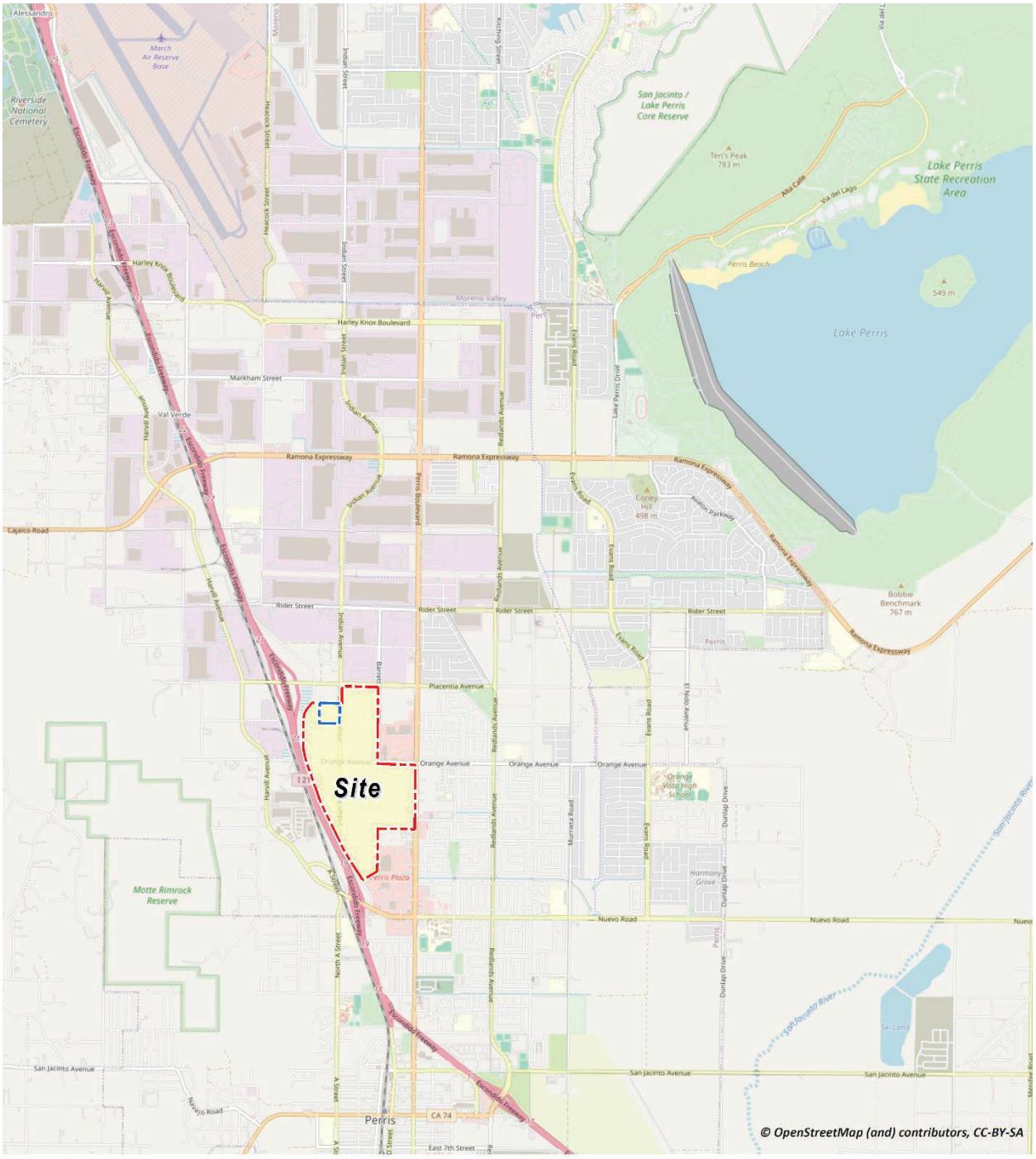
Phase	Building No.	Building/Commercial Use Type	Proposed Square Footage
1 (2026)	1	Parcel Hub	322,079
	2	High-Cube Warehouse	389,000
	3	Light Industrial	113,500
	4	Light Industrial	60,000
	5	Light Industrial	25,000
	6	High-Cube Warehouse	509,000
	7	High-Cube Warehouse	309,000
		Phase 1 Total Industrial Square Footage	**1,727,579**
1 (2026)	Major A	Sporting Good Superstore	50,018
	Major B	Shopping Center	55,056
	Major B Mezzanine	Shopping Center	2,921
1 (2026)	Major C	Shopping Center	23,248
	Major D	Retail	15,012
	Major E	Supermarket	23,256
	Major F	Pet Supply Store	12,500
	Major G	Shopping Center	5,000
	Major H	Shopping Center	5,000
	Major J	Shopping Center	5,376
	Major K	Medical/Dental Office	5,500
	Pad 1	Fast Casual Restaurant	4,472
	Pad 2	Fast Casual Restaurant	4,100
	Pad 3	Fast Casual Restaurant	4,834
	Pad 4A	High-Turnover Sit-Down Restaurant	4,400
	Pad 4B	Shopping Center	4,542
	Pad 5	High-Turnover Sit-Down Restaurant	6,462
	Pad 6	Coffee with Drive-thru, indoor seating	1,800
	Pad 7A	Fast Casual Restaurant	2,408
	Pad 7B	Shopping Center	4,555
	Pad 7C	Shopping Center	2,145
	Pad 8	High-Turnover Sit-Down Restaurant	7,852
	N/A	Gasoline/Service Station (12 VFP)	10,228[1]
	N/A	Commercial Big Box Retail	167,050
	Pad A	Fast Casual Restaurant	5,500
	Pad B	Fast Casual Restaurant	5,500
		Phase 1 Total Commercial Square Footage	**428,507**
2 (2030)	N/A	Industrial Park	3,659,693
	N/A	Industrial Park (Overlay)	348,262

Phase	Building No.	Building/Commercial Use Type	Proposed Square Footage
		Phase 2 Total Industrial Square Footage	**4,007,955**
		Project Buildout (Phase 1 + Phase 2) Total Industrial Square Footage	***5,735,535***
		Project Buildout (Phase 1 + Phase 2) Total Commercial Square Footage	***428,507***

[1]The square footage represents the gasoline/service station canopy and is presented here for modeling purposes. As such the Phase 1 total commercial square footage does not include the gasoline/service station canopy SF.

The Project would also include roadway and access improvements, and utility infrastructure connections along the roadways adjacent to the Project site. The on-site Project-related noise sources are expected to include: loading dock activity, roof-top air conditioning units, drive-through speakerphones, trash enclosure activity, parking lot vehicle movements, gas station activity, and truck movements. This noise analysis is intended to describe noise level impacts associated with the expected typical operational activities at the Project site.

EXHIBIT 1-A: LOCATION MAP



LEGEND:

Site Boundary Overlay

EXHIBIT 1-B: SITE PLAN



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2 FUNDAMENTALS

Noise is simply defined as "unwanted sound." Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm or when it has adverse effects on health. Noise is measured on a logarithmic scale of sound pressure level known as a decibel (dB). A-weighted decibels (dBA) approximate the subjective response of the human ear to broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear. Exhibit 2-A presents a summary of the typical noise levels and their subjective loudness and effects that are described in more detail below.

EXHIBIT 2-A: TYPICAL NOISE LEVELS

COMMON OUTDOOR ACTIVITIES	COMMON INDOOR ACTIVITIES	A - WEIGHTED SOUND LEVEL dBA	SUBJECTIVE LOUDNESS	EFFECTS OF NOISE
THRESHOLD OF PAIN		140	INTOLERABLE OR DEAFENING	HEARING LOSS
NEAR JET ENGINE		130		
		120		
JET FLY-OVER AT 300m (1000 ft)	ROCK BAND	110		
LOUD AUTO HORN		100	VERY NOISY	
GAS LAWN MOWER AT 1m (3 ft)		90		
DIESEL TRUCK AT 15m (50 ft), at 80 km/hr (50 mph)	FOOD BLENDER AT 1m (3 ft)	80		SPEECH INTERFERENCE
NOISY URBAN AREA, DAYTIME	VACUUM CLEANER AT 3m (10 ft)	70	LOUD	
HEAVY TRAFFIC AT 90m (300 ft)	NORMAL SPEECH AT 1m (3 ft)	60		
QUIET URBAN DAYTIME	LARGE BUSINESS OFFICE	50	MODERATE	SLEEP DISTURBANCE
QUIET URBAN NIGHTTIME	THEATER, LARGE CONFERENCE ROOM (BACKGROUND)	40		
QUIET SUBURBAN NIGHTTIME	LIBRARY	30	FAINT	NO EFFECT
QUIET RURAL NIGHTTIME	BEDROOM AT NIGHT, CONCERT HALL (BACKGROUND)	20		
	BROADCAST/RECORDING STUDIO	10	VERY FAINT	
LOWEST THRESHOLD OF HUMAN HEARING	LOWEST THRESHOLD OF HUMAN HEARING	0		

Source: Environmental Protection Agency Office of Noise Abatement and Control, Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (EPA/ONAC 550/9-74-004) March 1974.

2.1 RANGE OF NOISE

Since the range of intensities that the human ear can detect is so large, the scale frequently used to measure intensity is a scale based on multiples of 10, the logarithmic scale. The scale for measuring intensity is the decibel scale. Each interval of 10 decibels indicates a sound energy ten times greater than before, which is perceived by the human ear as being roughly twice as loud. (2) The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at three feet is roughly at 60 dBA, while loud jet engine noises equate to 110 dBA

at approximately 1,000 feet, which can cause serious discomfort (3). Another important aspect of noise is the duration of the sound and the way it is described and distributed in time.

2.2 NOISE DESCRIPTORS

Environmental noise descriptors are generally based on averages, rather than instantaneous, noise levels. Short-term noise events are typically analyzed based on short-duration (e.g., 1 second, 1 minute) equivalent average (L_{eq}) levels, or using the L_{max} noise level descriptor. L_{max} noise levels represent the *highest instantaneous noise level during a specified time period*. (2) Due to the instantaneous nature of L_{max} noise levels, they are typically much higher (15 to 20 dBA) than the average L_{eq} or median L_{50} (i.e., the noise level occurring 50-percent of the time period) noise levels. The City of Perris relies on the L_{max} noise levels to assess the operational nuisance noise source activities. Equivalent sound levels (L_{eq}) are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (L_{eq}) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period and is commonly used to describe the "average" noise levels within the environment.

Peak hour or average noise levels, while useful, do not completely describe a given noise environment. Noise levels lower than peak hour may be disturbing if they occur during times when quiet is most desirable, namely evening and nighttime (sleeping) hours. To account for this, the Community Noise Equivalent Level (CNEL), representing a composite 24-hour noise level is utilized. The CNEL is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time-of-day corrections require the addition of 5 decibels to dBA L_{eq} sound levels in the evening from 7:01 p.m. to 10:00 p.m., and the addition of 10 decibels to dBA L_{eq} sound levels at night between 10:01 p.m. and 7:00 a.m. These additions are made to account for the noise sensitive time periods during the evening and night hours when noise can become more intrusive. CNEL does not represent the actual sound level heard at any time, but rather represents the total sound exposure. The City of Perris relies on the 24-hour CNEL level to assess land use compatibility with transportation related noise sources.

2.3 SOUND PROPAGATION

When sound propagates over a distance, it changes in level and frequency content. The way noise reduces with distance depends on the following factors.

2.3.1 GEOMETRIC SPREADING

Sound from a localized source (i.e., a stationary point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 dB for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined path and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source. (2)

2.3.2 GROUND ABSORPTION

The propagation path of noise from a highway to a receiver is usually very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the attenuation associated with geometric spreading. Traditionally, excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is usually sufficiently accurate for distances of less than 200 ft. For acoustically hard sites (i.e., sites with a reflective surface between the source and the receiver, such as a parking lot or body of water), no excess ground attenuation is assumed. For acoustically absorptive or soft sites (i.e., those sites with an absorptive ground surface between the source and the receiver such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dB per doubling of distance is normally assumed. When added to the cylindrical spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dB per doubling of distance from a line source. (4)

2.3.3 ATMOSPHERIC EFFECTS

Receivers located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound levels can be increased at large distances (e.g., more than 500 feet) due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects. (2)

2.3.4 SHIELDING

A large object or barrier in the path between a noise source and a receiver can substantially attenuate noise levels at the receiver. The amount of attenuation provided by shielding depends on the size of the object and the frequency content of the noise source. Shielding by trees and other such vegetation typically only has an "out of sight, out of mind" effect. That is, the perception of noise impact tends to decrease when vegetation blocks the line-of-sight to nearby residents. However, for vegetation to provide a substantial, or even noticeable, noise reduction, the vegetation area must be at least 15 feet in height, 100 feet wide and dense enough to completely obstruct the line-of-sight between the source and the receiver. This size of vegetation may provide up to 5 dBA of noise reduction. The Federal Highway Administration (FHWA) does not consider the planting of vegetation to be a noise abatement measure. (5)

2.4 NOISE CONTROL

Noise control is the process of obtaining an acceptable noise environment for an observation point or receiver by controlling the noise source, transmission path, receiver, or all three. This concept is known as the source-path-receiver concept. In general, noise control measures can be applied to these three elements.

2.5 NOISE BARRIER ATTENUATION

Effective noise barriers can reduce noise levels by 10 to 15 dBA, cutting the loudness of traffic noise in half. A noise barrier is most effective when placed close to the noise source or receiver.

Noise barriers, however, do have limitations. For a noise barrier to work, it must block the line-of-sight path of sound from the noise source.

2.6 LAND USE COMPATIBILITY WITH NOISE

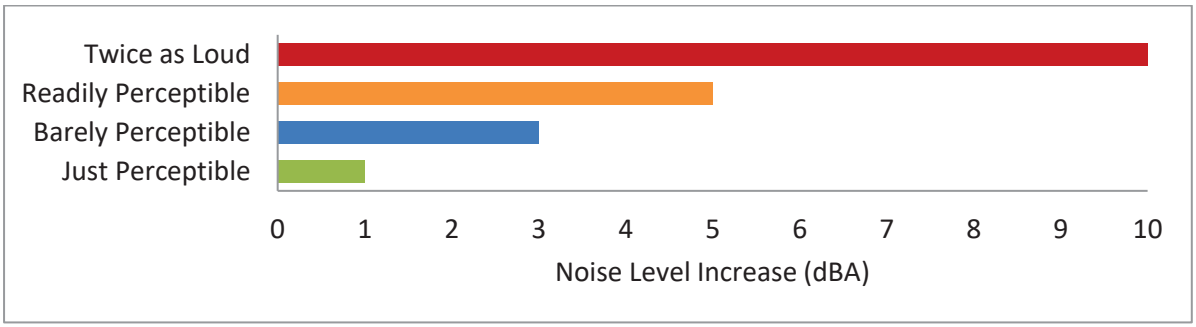
Some land uses are more tolerant of noise than others. For example, schools, hospitals, churches, and residences are more sensitive to noise intrusion than commercial or industrial developments and related activities. As ambient noise levels affect the perceived amenity or livability of a development, so too can the mismanagement of noise impacts impair the economic health and growth potential of a community by reducing the area's desirability as a place to live, shop and work. For this reason, land use compatibility with the noise environment is an important consideration in the planning and design process. The FHWA encourages State and Local government to regulate land development in such a way that noise-sensitive land uses are either prohibited from being located adjacent to a highway, or that the developments are planned, designed, and constructed in such a way that noise impacts are minimized. (6)

2.7 COMMUNITY RESPONSE TO NOISE

Approximately sixteen percent of the population has a very low tolerance for noise and will object to any noise not of their making. Consequently, even in the quietest environment, some complaints may occur. Twenty to thirty percent of the population will not complain even in very severe noise environments. (7 pp. 8-6) Thus, a variety of reactions can be expected from people exposed to any given noise environment.

Surveys have shown that community response to noise varies from no reaction to vigorous action for newly introduced noises averaging from 10 dB below existing to 25 dB above existing. (8) According to research originally published in the Noise Effects Handbook (7), the percentage of high annoyance ranges from approximately 0 percent at 45 dB or less, 10 percent are highly annoyed around 60 dB, and increases rapidly to approximately 70 percent being highly annoyed at approximately 85 dB or greater. Despite this variability in behavior on an individual level, the population can be expected to exhibit the following responses to changes in noise levels as shown on Exhibit 2-B. A change of 3 dBA is considered barely perceptible, and changes of 5 dBA are considered readily perceptible. (4)

EXHIBIT 2-B: NOISE LEVEL INCREASE PERCEPTION



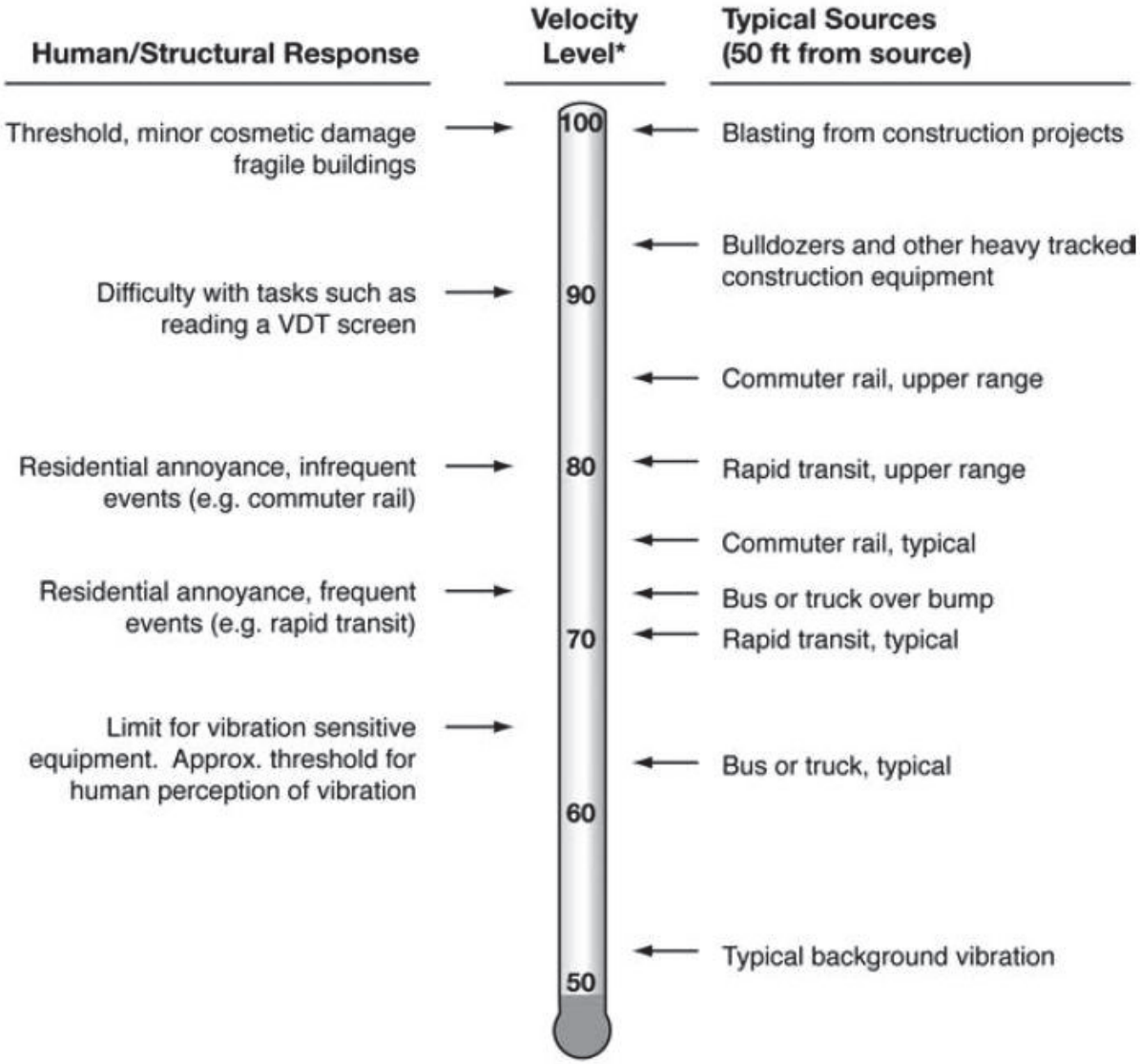
2.8 VIBRATION

Per the Federal Transit Administration (FTA) *Transit Noise and Vibration Impact Assessment Manual* (8), vibration is the periodic oscillation of a medium or object. The rumbling sound caused by the vibration of room surfaces is called structure-borne noise. Sources of ground-borne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or human-made causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, such as factory machinery, or transient, such as explosions. As is the case with airborne sound, ground-borne vibrations may be described by amplitude and frequency.

Additionally, in contrast to airborne noise, ground-borne vibration outdoors is not a common environmental problem and annoyance from ground-borne vibration is almost exclusively an indoor phenomenon (8). Therefore, the effects of vibrations should only be evaluated at a structure and the effects of the building structure on the vibration should be considered. Wood-frame buildings, such as typical residential structures, are more easily affected by ground vibration than heavier buildings. In contrast, large masonry buildings with spread footings have a low response to ground vibration (8). In general, the heavier a building is, the lower the response will be to the incident vibration energy. However, all structurers reduce vibration levels due to the coupling of the building to the soil. There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal (8). The PPV is most frequently used to describe vibration impacts to buildings but is not always suitable for evaluating human response (annoyance) because it takes some time for the human body to respond to vibration signals. Instead, the human body responds to average vibration amplitude often described as the root mean square (RMS). The RMS amplitude is defined as the average of the squared amplitude of the signal and is most frequently used to describe the effect of vibration on the human body (8). However, the RMS amplitude and PPV are related mathematically, and the RMS amplitude of equipment is typically calculated from the PPV reference level. The RMS amplitude is approximately 70% of the PPV (9). Thus, either can be used in the description of vibration impacts.

While not universally accepted, vibration decibel notation (VdB) is another vibration notation developed and used by the FTA in their guidance manual to describe vibration levels and provide a background of common vibration levels and set vibration limits. (8) Decibel notation (VdB) serves to reduce the range of numbers used to describe vibration levels and is used in this report to describe vibration levels. As stated in the FTA guidance manual, the background vibration-velocity level in residential areas is generally 50 VdB. Ground-borne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If a roadway is smooth, the ground-borne vibration is rarely perceptible. The range of interest is from approximately 50 VdB, which is the typical background vibration-velocity level, to 100 VdB, which is the general threshold where minor damage can occur in fragile buildings. Exhibit 2-C illustrates common vibration sources and the human and structural response to ground-borne vibration.

EXHIBIT 2-C: TYPICAL LEVELS OF GROUND-BORNE VIBRATION



** RMS Vibration Velocity Level in VdB relative to 10^{-6} inches/second*

Source: Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual.

3 REGULATORY SETTING

To limit population exposure to physically and/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. In most areas, automobile and truck traffic is the major source of environmental noise. Traffic activity generally produces an average sound level that remains constant with time. Air and rail traffic, and commercial and industrial activities are also major sources of noise in some areas. Federal, state, and local agencies regulate different aspects of environmental noise. Federal and state agencies generally set noise standards for mobile sources such as aircraft and motor vehicles, while regulation of stationary sources is left to local agencies.

3.1 STATE OF CALIFORNIA NOISE REQUIREMENTS

The State of California regulates freeway noise, sets standards for sound transmission, provides occupational noise control criteria, identifies noise standards, and provides guidance for local land use compatibility. State law requires that each county and city adopt a General Plan that includes a Noise Element which is to be prepared per guidelines adopted by the Governor's Office of Planning and Research (OPR). (10) The purpose of the Noise and Safety Element is to *limit the exposure of the community to excessive noise levels*. In addition, the California Environmental Quality Act (CEQA) requires that all known environmental effects of a project be analyzed, including environmental noise impacts.

3.2 STATE OF CALIFORNIA GREEN BUILDING STANDARDS CODE

The State of California's Green Building Standards Code (CALGreen) contains mandatory measures for non-residential building construction in Section 5.507 on Environmental Comfort. (11) These noise standards are applied to new construction in California for controlling interior noise levels resulting from exterior noise sources. The regulations specify that acoustical studies must be prepared when non-residential structures are developed in areas where the exterior noise levels exceed 65 dBA CNEL, such as within a noise contour of an airport, freeway, railroad, and other areas where noise contours are not readily available. If the development falls within an airport or freeway 65 dBA CNEL noise contour, the combined sound transmission class (STC) rating of the wall and roof-ceiling assemblies shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level of 50 dBA L_{eq} in occupied areas during any hour of operation (Section 5.507.4.2). As outlined below in Sections 3.8 and 3.9, the Project site is not located within the 65 CNEL noise contour of the Perris Valley Airport (PV) or the March Air Reserve Base/Inland Port Airport (MARB/IPA).

3.3 CITY OF PERRIS GENERAL PLAN NOISE ELEMENT

The City of Perris has adopted a Noise Element of the General Plan (12) to control and abate environmental noise, and to protect the citizens of Perris from excessive exposure to noise. The Noise Element specifies the maximum allowable unmitigated exterior noise levels for new developments impacted by transportation noise sources such as arterial roads, freeways, airports, and railroads. In addition, the Noise Element identifies noise policies and implementation measures designed to protect, create, and maintain an environment free from noise that may jeopardize the health or welfare of sensitive receptors, or degrade quality of life.

The noise standards identified in the City of Perris General Plan are guidelines to evaluate the acceptability of the transportation related noise level impacts. These standards are based on the Governor's Office of Planning and Research (OPR) and are used to assess the long-term traffic noise impacts on land use. According to the City's Land Use Compatibility for Community Noise Exposure (Exhibit N-1), noise-sensitive land uses such as single-family residences are *normally acceptable* with exterior noise levels below 60 dBA CNEL and *conditionally acceptable* with noise levels below 65 dBA CNEL. Commercial uses are *normally acceptable* with exterior noise levels below 65 dBA CNEL and *conditionally acceptable* with noise levels below 75 dBA CNEL and *normally unacceptable* with exterior noise level above 75 dBA CNEL. Industrial uses are considered *normally acceptable* with exterior noise levels of up to 70 dBA CNEL, and *conditionally acceptable* with exterior noise levels between 70 to 80 dBA CNEL (12).

3.4 OPERATIONAL NOISE STANDARDS

To analyze noise impacts originating from a designated fixed location or private property such as the Harvest Landing Retail Center & Business Park Project, operational noise such as the expected loading dock activity, roof-top air conditioning units, drive-through speakerphones, trash enclosure activity, parking lot vehicle movements, gas station activity, and truck movements are typically evaluated against standards established under a City's Municipal Code. The City of Perris Municipal Code, Chapter 7.34 *Noise Control*, Section 7.34.040, establishes the permissible noise level at any point on the property line of the affected residential receivers. Even though Section 7.34.040 of the Municipal Code limits the use of the 80 dBA L_{max} standard to affected residential properties, the same 80 dBA L_{max} exterior noise level standard has been used to assess the potential operational noise level impacts at the Val Verde Elementary School. Therefore, , the exterior noise level shall not exceed a maximum noise level of 80 dBA L_{max} during daytime hours (7:01 a.m. to 10:00 p.m.) and shall not exceed a maximum noise level of 60 dBA L_{max} during the nighttime hours (10:01 p.m. to 7:00 a.m.), as shown on Table 3-1 for nearby noise sensitive residential properties and the school (13) Chapter 7.34 *Noise Control* of the City of Perris Municipal Code is included in Appendix 3.1. Additional exterior noise level standards are identified in the City of Perris General Plan Noise Element Implementation Measure V.A.1 which requires that new industrial facilities and large-scale commercial facilities within 160 feet of the property line of existing noise-sensitive land uses must demonstrate compliance with a 60 dBA CNEL exterior noise level standard. Table 3-1 shows the Municipal Code and General Plan standards used in this analysis to evaluate the potential operational noise levels from the Project.

TABLE 3-1: OPERATIONAL NOISE STANDARDS

Jurisdiction	Time Period	Noise Level Standard (dBA)
City of Perris[1]	Daytime (7:01 a.m. - 10:00 p.m.)	80 dBA L_{max}
	Nighttime (10:01 p.m. - 7:00 a.m.)	60 dBA L_{max}
	24-Hours[2]	60 dBA CNEL

[1] City of Perris Municipal Code, Sections 7.34.040 & 7.34.050 (Appendix 3.1).
[2] City of Perris General Plan Noise Element, Implementation Measure V.A.1. for new industrial facilities and large-scale commercial facilities within 160 feet of the property line of existing noise-sensitive land uses.

3.5 CONSTRUCTION NOISE STANDARDS

To analyze noise impacts originating from the construction of the Harvest Landing Retail Center & Business Park Project site, noise from construction activities is typically evaluated against standards established under a City's Municipal Code. The City of Perris Municipal Code, Section 7.34.060, identifies the City's construction noise standards and permitted hours of construction activity (refer to Table 3-2). The City of Perris Municipal Code, Section 7.34.060, noise level standard of 80 dBA L_{max} applies to residential zones within the City of Perris. (13) .

TABLE 3-2: CONSTRUCTION NOISE STANDARDS

Jurisdiction	Permitted Hours of Construction Activity	Construction Noise Level Standard
City of Perris[1]	7:01 a.m. to 7:00 p.m. on any day except Sundays and legal holidays (with the exception of Columbus Day and Washington's birthday).	80 dBA L_{max}

[1] City of Perris Municipal Code, Section 7.34.060 (Appendix 3.1).

3.6 CONSTRUCTION VIBRATION STANDARDS

Construction activity can result in varying degrees of ground-borne vibration, depending on the equipment and methods used, distance to the affected structures and soil type. Construction vibration is generally associated with pile driving and rock blasting. Other construction equipment such as air compressors, light trucks, hydraulic loaders, etc., generates little or no ground vibration. (8) To analyze vibration impacts originating from the construction of the Harvest Landing Retail Center & Business Park Project, vibration-generating activities are appropriately evaluated against standards established under a City's Municipal Code, if such standards exist. However, the City of Perris does not identify specific vibration level limits. Therefore, for analysis purposes, the Caltrans *Transportation and Construction Vibration Guidance Manual*, (9 p. 38) Table 19, vibration damage limits are used in this noise study to assess potential temporary construction-related impacts at adjacent building locations. A maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec) is used to describe the nearest buildings adjacent to the Project site.

3.7 PERRIS VALLEY AIRPORT

The Perris Valley Airport is located approximately 2.3 miles southwest of the Project site as shown on Exhibit 3-B. The *Riverside County Airport Land Use Compatibility Plan Policy Document* (RC ALUCP) includes the policies for determining the land use compatibility of the Project. Policy 4.1.5 *Noise Exposure for Other Land Uses* of the RC ALUCP requires that land uses demonstrate compatibility with the acceptable noise levels on Table 2B. Table 2B *Supporting Compatibility Criteria: Noise* matrix is shown on Exhibit 3-A and indicates that the Project's commercial and industrial land uses experience *clearly acceptable* exterior noise levels below 60 dBA CNEL. *Normally acceptable* noise levels for industrial land use range from 60 to 65 dBA CNEL. *Marginally acceptable* noise levels at industrial land uses range from 65 to 70 dBA CNEL. (14) The 65, 60 and 55 dBA CNEL noise contour boundaries used to determine the potential aircraft-related noise impacts at the Project site are found on Map PV-3 of the RC ALUCP and are presented on Exhibit 3-B of this report. Based on the ultimate noise level contours for the Perris Valley Airport, the Project development area is located outside the 55 dBA CNEL noise level contour boundaries and the Project's commercial and industrial land use is considered *normally acceptable.*

3.8 MARCH AIR RESERVE BASE/INLAND PORT AIRPORT (MARB/IPA)

The MARB/IPA runway is located approximately 2.9 miles northwest of the Project site. The *Riverside County Airport Land Use Compatibility Plan Policy Document* (RC ALUCP) includes the policies for determining the land use compatibility with the Project. Policy 4.1.5 *Noise Exposure for Other Land Uses* of the RC ALUCP requires that land uses demonstrate compatibility with the acceptable noise levels on Table 2B. Table 2B *Supporting Compatibility Criteria: Noise* matrix is shown on Exhibit 3-B and indicates that the Project's commercial and industrial land uses experience *clearly acceptable* exterior noise levels below 60 dBA CNEL. *Normally acceptable* noise levels for industrial land use range from 60 to 65 dBA CNEL. *Marginally acceptable* noise levels at industrial land uses range from 65 to 70 dBA CNEL. (14)

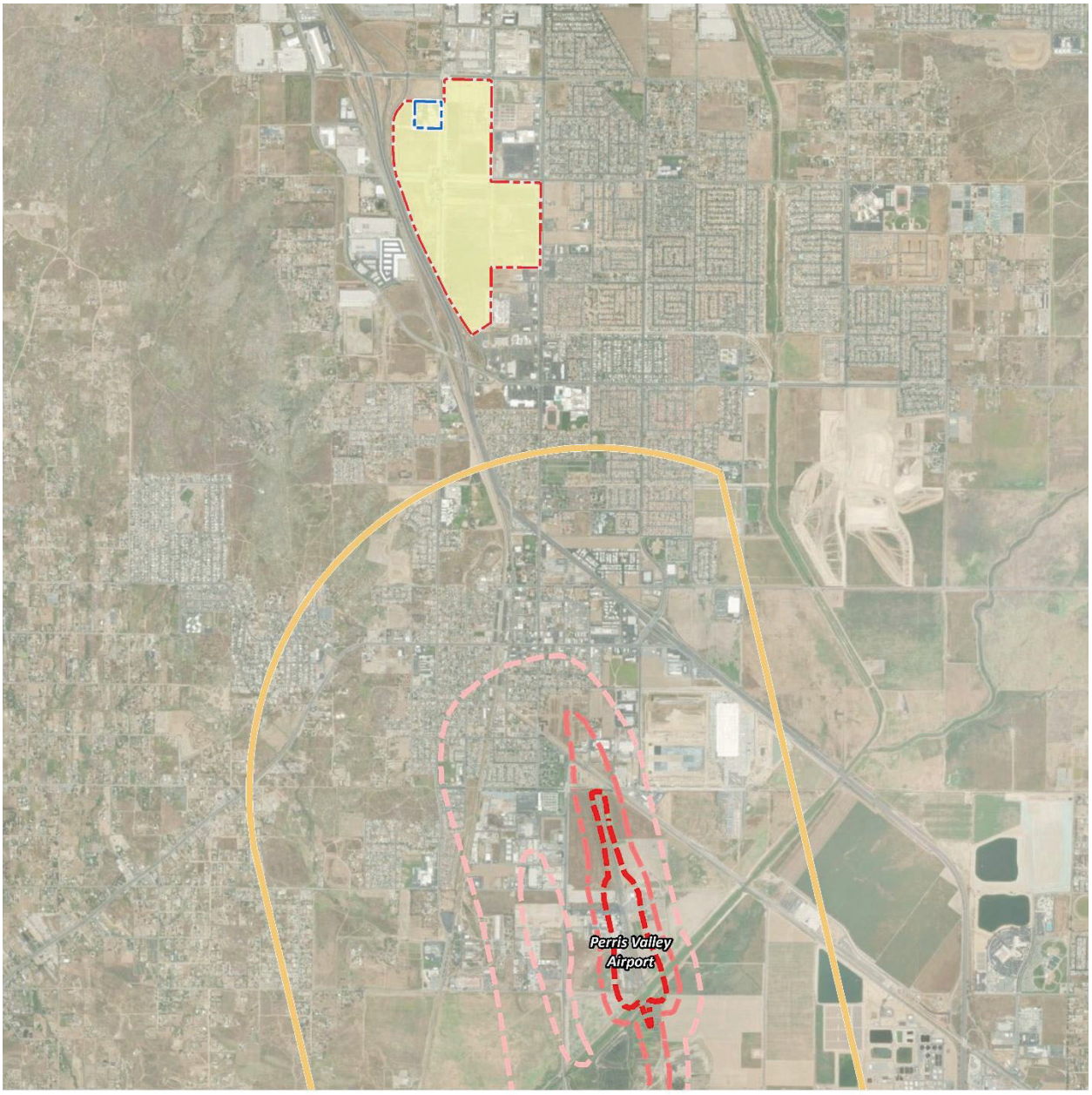
EXHIBIT 3-A: RC ALUCP SUPPORTING COMPATIBILITY CRITERIA: NOISE

Land Use Category	CNEL (dB) 50–55	55–60	60–65	65–70	70–75
Residential *					
single-family, nursing homes, mobile homes	++	o	–	– –	– –
multi-family, apartments, condominiums	++	+	o	– –	– –
Public					
schools, libraries, hospitals	+	o	–	– –	– –
churches, auditoriums, concert halls	+	o	o	–	– –
transportation, parking, cemeteries	++	++	++	+	o
Commercial and Industrial					
offices, retail trade	++	+	o	o	–
service commercial, wholesale trade, warehousing, light industrial	++	++	+	o	o
general manufacturing, utilities, extractive industry	++	++	++	+	+
Agricultural and Recreational					
cropland	++	++	++	++	+
livestock breeding	++	+	o	o	–
parks, playgrounds, zoos	++	+	+	o	–
golf courses, riding stables, water recreation	++	++	+	o	o
outdoor spectator sports	++	+	+	o	–
amphitheaters	+	o	–	– –	– –

Land Use Acceptability		Interpretation/Comments
++	*Clearly Acceptable*	The activities associated with the specified land use can be carried out with essentially no interference from the noise exposure.
+	*Normally Acceptable*	Noise is a factor to be considered in that slight interference with outdoor activities may occur. Conventional construction methods will eliminate most noise intrusions upon indoor activities.
o	*Marginally Acceptable*	The indicated noise exposure will cause moderate interference with outdoor activities and with indoor activities when windows are open. The land use is acceptable on the conditions that outdoor activities are minimal and construction features which provide sufficient noise attenuation are used (e.g., installation of air conditioning so that windows can be kept closed). Under other circumstances, the land use should be discouraged.
–	*Normally Unacceptable*	Noise will create substantial interference with both outdoor and indoor activities. Noise intrusion upon indoor activities can be mitigated by requiring special noise insulation construction. Land uses which have conventionally constructed structures and/or involve outdoor activities which would be disrupted by noise should generally be avoided.
– –	*Clearly Unacceptable*	Unacceptable noise intrusion upon land use activities will occur. Adequate structural noise insulation is not practical under most circumstances. The indicated land use should be avoided unless strong overriding factors prevail and it should be prohibited if outdoor activities are involved.

* Subtract 5 dB for low-activity outlying airports (Chiriaco Summit and Desert Center)

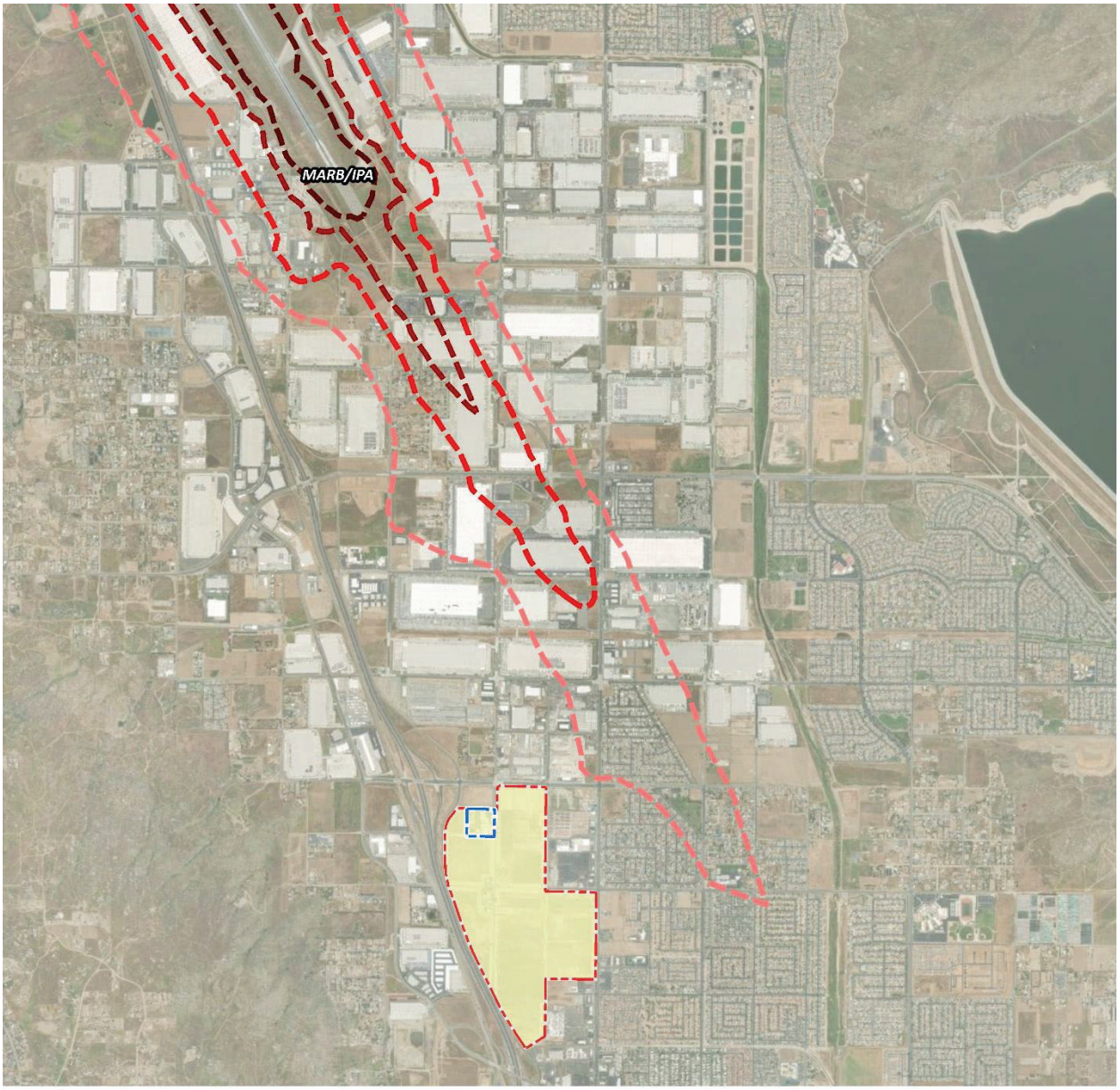
EXHIBIT 3-B: PERRIS VALLEY AIRPORT (PV) NOISE CONTOURS



Source: Riverside County Airport Land Use Compatibility Plan Policy Document (July 2010)

The 70, 65 and 60 dBA CNEL noise contour boundaries used to determine the potential aircraft-related noise impacts at the Project site are found on Figure 6-9 of the *March Air Reserve Base 2018 Final Air Installations Compatible Uses Zones Study* and are presented on Exhibit 3-C of this report. (15) Based on the 2018 noise level contours for MARB/IPA, the Project development area is located outside the 65 dBA CNEL noise level contour boundaries and the Project's commercial and industrial land use is considered *normally acceptable.*

EXHIBIT 3-C: MARB/IPA FUTURE AIRPORT NOISE CONTOURS



Source: Figure 6-9 of the March Air Reserve Base 2018 Final Air Installations Compatible Uses Zones Study.

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4 SIGNIFICANCE CRITERIA

The following significance criteria are based on currently adopted guidance provided by Appendix G of the State CEQA Guidelines. (1) For the purposes of this report, impacts would be potentially significant if the Project results in or causes:

A. Generation of 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?

B. Generation of excessive ground-borne vibration or ground-borne noise levels?

C. 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?

While the City of Perris General Plan Noise Element provides direction on noise compatibility and establishes noise standards by land use type that are sufficient to assess the significance of noise impacts, it does not define the levels at which increases are considered substantial for use under Guideline A. The CEQA Guidelines Appendix G Noise Guideline C applies to nearest public and private airports, if any, and the Project's land use compatibility.

4.1 NOISE SENSITIVE USE NOISE LEVEL INCREASES (THRESHOLD A)

Sensitive receivers are areas where humans are participating in activities that may be subject to the stress of significant interference from noise and often include residential dwellings, mobile homes, hotels, motels, hospitals, nursing homes, educational facilities, and libraries. Other receivers include office and industrial buildings, which are not considered as sensitive as single-family homes, but are still protected by City of Perris land use compatibility standards, as discussed below. The City of Perris does not consider noise increases to non-noise-sensitive uses to be significant. (16) Further, CEQA requires that consideration be given to the magnitude of the increase, the existing ambient noise levels, and the location of noise-sensitive receivers to determine if a noise increase represents a significant adverse environmental impact.

4.1.1 TRANSPORTATION NOISE (SUBSTANTIAL PERMANENT NOISE LEVEL INCREASE)

The Federal Interagency Committee on Noise (FICON) (17) developed guidance to be used for the assessment of project-generated increases in noise levels that consider the ambient noise level. The FICON recommendations are based on studies that relate aircraft noise levels to the percentage of people highly annoyed by aircraft noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, these recommendations are often used in environmental noise impact assessments involving the use of cumulative noise exposure metrics, such as the average-daily noise level (CNEL) and equivalent continuous noise level (L_{eq}).

As previously stated, the approach used in this noise study recognizes *that there is no single noise increase that renders a noise impact significant*, based on a 2008 California Court of Appeal ruling on Gray v. County of Madera. (18) For example, if the ambient noise environment is quiet (<60

dBA) and the new noise source greatly increases the noise levels, an impact may occur if the noise criteria may be exceeded. Therefore, for this analysis, a *readily perceptible* 5 dBA or greater project-related noise level increase is considered a significant impact when the without project noise levels are below 60 dBA. Per the FICON, in areas where the without project noise levels range from 60 to 65 dBA, a 3 dBA *barely perceptible* noise level increase appears to be appropriate for most people. When the noise levels without the Project already exceed 65 dBA, any increase in community noise louder than 1.5 dBA or greater is considered a significant impact if the noise criteria for a given land use is exceeded, since it likely contributes to an existing noise exposure exceedance.

The FICON guidance provides an established source of criteria to assess the impacts of substantial temporary or permanent increase in baseline ambient noise levels. Based on the FICON criteria, the amount to which a given noise level increase is considered acceptable is reduced when the without Project (baseline) noise levels are already shown to exceed certain land-use specific exterior noise level criteria. The specific levels are based on typical responses to noise level increases of 5 dBA or *readily perceptible*, 3 dBA or *barely perceptible*, and 1.5 dBA depending on the underlying without Project noise levels for noise-sensitive uses. The FICON levels of increases and their perceived acceptance at noise sensitive receiver locations are consistent with guidance provided by both the Federal Highway Administration (4 p. 9) and Caltrans (19 p. 2_48).

4.1.2 CONSTRUCTION NOISE (SUBSTANTIAL TEMPORARY NOISE LEVEL INCREASE)

To control the noise-generating construction activities, the temporary noise level increases over the existing *ambient* conditions must be considered under CEQA Significance Threshold A. In California a *substantial* noise increase occurs when the project's predicted noise level exceeds the existing ambient noise level by 12 dBA or more. (20) The use of 12 dB was established in California many years ago and is based on the concept that a 10 dB increase generally is perceived as a doubling of loudness. (2 pp. 3-2) Therefore, if the Project-related construction noise levels generate a temporary noise level increase above the existing ambient noise levels of up to 12 dBA L_{eq}, then the Project construction noise level increases will be considered a *potentially significant impact*.

4.2 VIBRATION (THRESHOLD B)

As described in Section 3.4, the vibration impacts originating from the construction of Harvest Landing Retail Center & Business Park Project, vibration-generating activities are appropriately evaluated using the Caltrans vibration damage thresholds to assess potential temporary construction-related impacts at adjacent building locations. A maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec) is used to describe the nearest buildings adjacent to the Project site.

4.3 CEQA GUIDELINES NOT FURTHER ANALYZED (THRESHOLD C)

The closest airports which would require additional noise analysis under State CEQA Guideline Appendix G Significance Criteria C are the Perris Valley Airport and MARB/IPA. As previously described in Section 3.8, the Project site is located outside the 55 dBA CNEL noise contour for the Perris Valley Airport. The Project site is also located outside the 60 dBA CNEL MARB/IPA noise contour as previously discussed in Section 3.9.

The City's noise compatibility standards in the Perris Municipal Code Section 19.51.080, prevent the establishment of noise-sensitive land uses such as new residences, schools, libraries, museums, hotels, motels, hospitals, nursing homes, places of worship, in portions of the airport environ that are exposed to significant levels of aircraft noise. The proposed Project use is not a noise sensitive land use. As such, the proposed Project would not expose people working in the Project area to excessive noise levels from aircraft operations. Therefore, the potential impacts under State CEQA Guidelines Appendix G Threshold C would be *less than significant* and are not further analyzed in this noise study.

4.4 SIGNIFICANCE CRITERIA SUMMARY

Even though Section 7.34.040 and 7.34.060 of the Municipal Code limits the use of the 80 dBA L_{max} standard to affected residential properties, the same 80 dBA L_{max} exterior noise level standard has been used to assess the potential operational and construction noise impacts at the Val Verde Elementary. Noise impacts shall be considered significant if any of the following occur as a direct result of the proposed development. Table 4-1 shows the significance criteria summary matrix.

TABLE 4-1: SIGNIFICANCE CRITERIA SUMMARY

Analysis	Condition(s)	Significance Criteria	
		Daytime	**Nighttime**
Off-Site Traffic[1]	if ambient is < 60 dBA CNEL	≥ 5 dBA CNEL Project increase	
	if ambient is 60 - 65 dBA CNEL	≥ 3 dBA CNEL Project increase	
	if ambient is > 65 dBA CNEL	≥ 1.5 dBA CNEL Project increase	
Operational	At residential land use[2,7]	80 dBA L_{max}	60 dBA L_{max}
	Within 160 Feet of noise-sensitive use[3]	60 dBA CNEL (exterior)	
	if ambient is < 60 dBA L_{eq}[1]	≥ 5 dBA L_{eq} Project increase	
	if ambient is 60 - 65 dBA L_{eq}[1]	≥ 3 dBA L_{eq} Project increase	
	if ambient is > 65 dBA L_{eq}[1]	≥ 1.5 dBA L_{eq} Project increase	
Construction	At residential land use	80 dBA L_{max}[4,7]	60 dBA L_{max}[2]
	Exterior Noise Level Increase[5]	12 dBA L_{eq}	
	Vibration Level Threshold[6]	0.3 PPV (in/sec)	

[1] FICON, 1992.
[2] City of Perris Municipal Code, Section 7.34.040 (Appendix 3.1).
[3] City of Perris General Plan Noise Element, Implementation Measure V.A.1.
[4] City of Perris Municipal Code, Section 7.34.060 (Appendix 3.1).
[5] Caltrans Traffic Noise Analysis Protocol, April 2020.
[6] Caltrans Transportation and Construction Vibration Guidance Manual, April 2020, Table 19.
[7] Even though the Municipal Code limits the use of the 80 dBA Lmax standard to affected residential properties, the same 80 dBA L_{max} exterior noise level standard has been used to assess the potential noise level impacts at the Val Verde Elementary School.
"Daytime" = 7:01 a.m. - 10:00 p.m.; "Nighttime" = 10:01 p.m. - 7:00 a.m.

5 EXISTING NOISE LEVEL MEASUREMENTS

To assess the existing noise level environment, 24-hour noise level measurements were taken at nine locations near sensitive receiver locations surrounding the Project site. The receiver locations were selected to describe and document the existing noise environment within the Project study area. Exhibit 5-A provides the boundaries of the Project study area and the noise level measurement locations. To fully describe the existing noise conditions, noise level measurements were collected by Urban Crossroads, Inc. on Wednesday, August 28, 2024. Appendix 5.1 includes study area photos.

5.1 MEASUREMENT PROCEDURE AND CRITERIA

To describe the existing noise environment, the hourly noise levels were measured during typical weekday conditions over a 24-hour period. By collecting individual hourly noise level measurements, it is possible to describe the equivalent daytime and nighttime hourly noise levels and calculate the 24-hour CNEL. The long-term noise readings were recorded using Piccolo Type 2 integrating sound level meter and dataloggers. The Piccolo sound level meters were calibrated using a Larson-Davis calibrator, Model CAL 150. All noise meters were programmed in "slow" mode to record noise levels in "A" weighted form. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (21)

5.2 NOISE MEASUREMENT LOCATIONS

The long-term noise level measurements were positioned as close to the nearest sensitive receiver locations as possible to assess the existing ambient hourly noise levels surrounding the Project site. Both Caltrans and the FTA recognize that it is not reasonable to collect noise level measurements that can fully represent every part of a private yard, patio, deck, or balcony normally used for human activity when estimating impacts for new development projects. This is demonstrated in the Caltrans general site location guidelines which indicate that *sites must be free of noise contamination by sources other than sources of interest. Avoid sites located near sources such as barking dogs, lawnmowers, pool pumps, and air conditioners unless it is the express intent of the analyst to measure these sources*. (2) Further, FTA guidance states, t*hat it is not necessary nor recommended that existing noise exposure be determined by measuring at every noise-sensitive location in the project area. Rather, the recommended approach is to characterize the noise environment for clusters of sites based on measurements or estimates at representative locations in the community* (8).

Based on recommendations of Caltrans and the FTA, it is not necessary to collect measurements at each individual building or residence, because each receiver measurement represents a group of buildings that share acoustical equivalence (8). In other words, the area represented by the receiver shares similar shielding, terrain, and geometric relationship to the reference noise source. Receivers represent a location of noise sensitive areas and are used to estimate the future noise level impacts. Collecting reference ambient noise level measurements at the nearby

sensitive receiver locations allows for a comparison of the before and after Project noise levels and is necessary to assess potential noise impacts due to the Project's contribution to the ambient noise levels.

5.3 NOISE MEASUREMENT RESULTS

The noise measurements presented below focus on the equivalent or the energy average hourly sound levels (L_{eq}). The equivalent sound level (L_{eq}) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. Table 5-1 identifies the hourly daytime (7:01 a.m. to 10:00 p.m.) and nighttime (10:01 p.m. to 7:00 a.m.) noise levels at each noise measurement location. Appendix 5.2 provides a summary of the existing hourly ambient noise levels.

TABLE 5-1: 24-HOUR AMBIENT NOISE LEVEL MEASUREMENTS

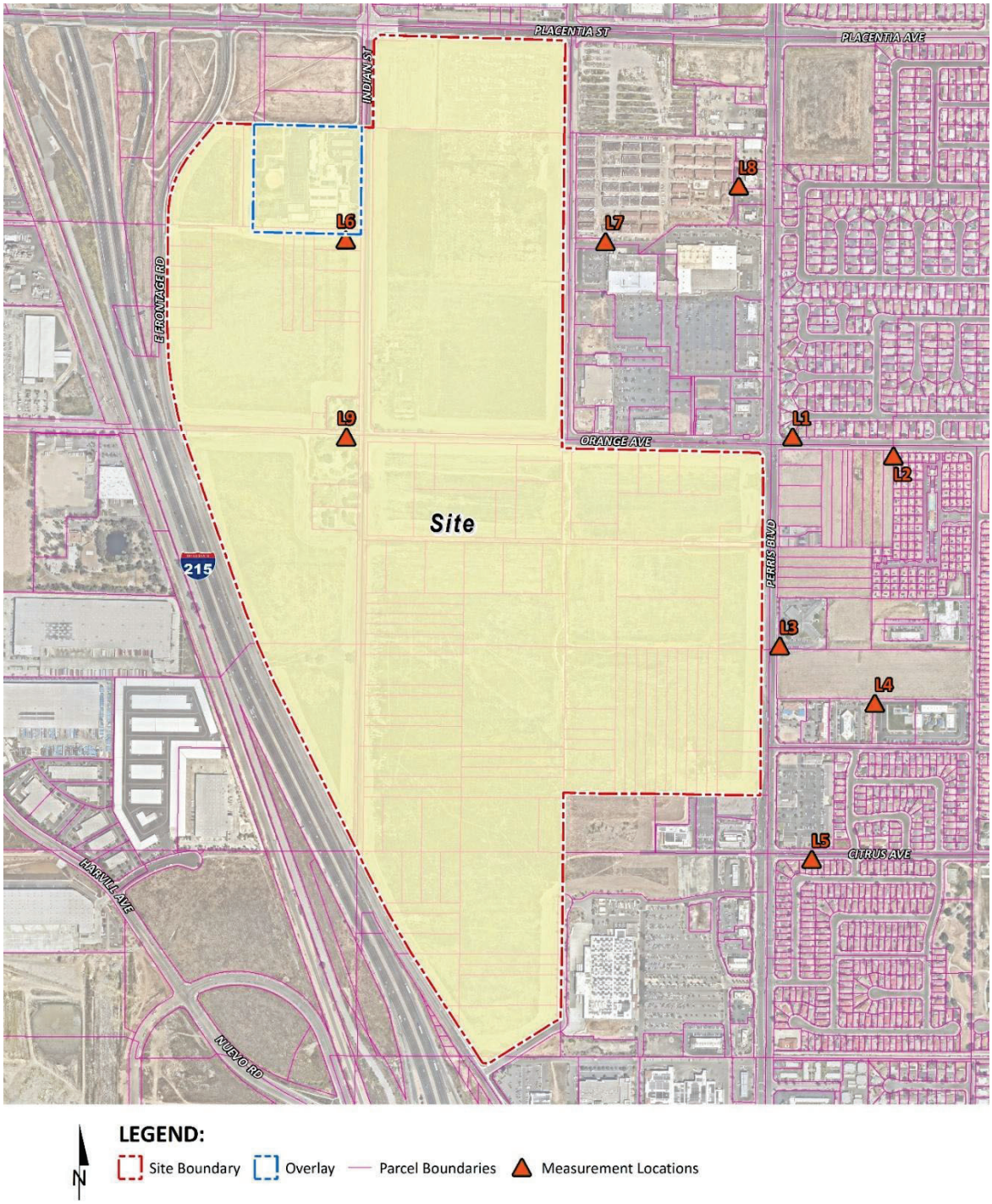
Location[1]	Description	Energy Average Noise Level (dBA L_{eq})[2]	
		Daytime	Nighttime
L1	Located northeast of the site near the residence at 25 Whirlaway St.	67.2	63.9
L2	Located east of the site near the residence at 130 Camden Ct.	66.7	61.8
L3	Located east of the site near the Centinela Grand Retirement Home at 2225 Medical Center Dr.	64.2	62.1
L4	Located east of the site near the Perris Early Head Start at 148 Avocado Av.	54.7	51.3
L5	Located southeast of the site near the residence at 108 Oaktree Dr.	65.0	59.0
L6	Located north of the site near the Val Verde Elementary School at 2656 Indian Av.	52.1	48.1
L7	Located east of the site near the retail building at 2560 N Perris Blvd.	56.5	53.2
L8	Located east of the site near the retail building at 2674 N Perris Blvd	58.6	55.0
L9	Located within the Project site at 2411 Indian Ave.	60.3	58.4

[1] See Exhibit 5-A for the noise level measurement locations.
[2] Energy (logarithmic) average levels. The long-term 24-hour measurement worksheets are included in Appendix 5.2. "Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

Table 5-1 provides the energy average noise levels used to describe the daytime and nighttime ambient conditions. These daytime and nighttime energy average noise levels represent the average of all hourly noise levels observed during these time periods expressed as a single number. Appendix 5.2 provides summary worksheets of the noise levels for each hour as well as

the minimum, maximum, L_1, L_2, L_5, L_8, L_{25}, L_{50}, L_{90}, L_{95}, and L_{99} percentile noise levels observed during the daytime and nighttime periods.

EXHIBIT 5-A: NOISE MEASUREMENT LOCATIONS



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6 TRAFFIC NOISE METHODS AND PROCEDURES

The following section outlines the methods and procedures used to estimate and analyze the future traffic noise environment. Consistent with the *Land Use Compatibility Criteria*, all transportation-related noise levels are presented in terms of the 24-hour CNEL's. Unlike a simple arithmetic average noise level, CNEL represents the logarithmic summation of the equivalent hourly noise levels with evening and nighttime noise penalties recognizing that noise may have different impacts on people depending on when it occurs.

6.1 FHWA TRAFFIC NOISE PREDICTION MODEL

The expected roadway noise level increases from vehicular traffic were calculated by Urban Crossroads, Inc. using a computer program that replicates the Federal Highway Administration (FHWA) Traffic Noise Prediction Model- FHWA-RD-77-108. (22) The FHWA Model arrives at a predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). The FHWA Model arrives at a predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL) by vehicle type. REMEL represents the maximum sound level (L_{max}) of individual vehicle "pass by" events by vehicle type when measured at a "reference distance" of 50 feet from the center of the travel lane.

In California the national REMELs are substituted with the California Vehicle Noise (Calveno) Emission Levels. (23) Adjustments are then made to the REMEL to account for: the roadway classification (e.g., collector, secondary, major or arterial), the roadway active width (i.e., the distance between the center of the outermost travel lanes on each side of the roadway), the total average daily traffic (ADT), the travel speed, the percentages of automobiles, medium trucks, and heavy trucks in the traffic volume, the roadway grade, the angle of view (e.g., whether the roadway view is blocked), the site conditions ("hard" or "soft" relates to the absorption of the ground, pavement, or landscaping), and the percentage of total ADT which flows each hour throughout a 24-hour period. Research conducted by Caltrans has shown that the use of soft site conditions is appropriate for the application of the FHWA traffic noise prediction model used in this analysis. (24)

6.2 TRAFFIC NOISE PREDICTION MODEL INPUTS

Table 6-1 presents the roadway parameters used to assess the Project's off-site dBA CNEL transportation noise impacts. Table 6-1 identifies the 15 off-site study area roadway segments, the distance from the centerline to adjacent land use based on the functional roadway classifications per the City of Perris General Plan Circulation Element, and the vehicle speeds. The ADT volumes used in this study area presented on Table 6-2 are based on the *Harvest Landing Retail Center & Business Park Project Traffic Impact Analysis Report* (TIA) prepared by *EPD Solutions, Inc.* for the following traffic scenarios. (25)

- Existing Without Project (E)
- Existing With Project (EP)
- Opening Year (OY) I 2026 Without Project

- Opening Year (OY) I 2026 With Project
- Opening Year (OY) II 2030 Without Project
- Opening Year (OY) II 2030 With Project
- General Plan (GP) 2045 Without Project
- General Plan (GPP) 2045 With Project

The ADT volumes vary for each roadway segment based on the existing traffic volumes and the combination of project traffic distributions. This analysis relies on a comparative evaluation of the off-site traffic noise impacts at the boundary of the right-of-way of the receiving adjacent land use, without and with project ADT traffic volumes from the Project traffic analysis. Consistent with the TIA, the Project is anticipated to generate a net total of 40,321 two-way trips per day (actual vehicles) that include 2,825 truck trips.

TABLE 6-1: OFF-SITE ROADWAY PARAMETERS

ID	Roadway	Segment	Receiving Land Use[1]	Classification[2]	Distance from Centerline to Receiving Land Use (Feet)[3]	Vehicle Speed (mph)
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	Collector	33'	40
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	Arterial	47'	45
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	Arterial	47'	45
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	Collector	33'	40
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	Arterial	47'	45
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	Arterial	47'	45
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	Arterial	59'	50
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	Collector	33'	40
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	Collector	33'	40
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	Collector	33'	40
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	Arterial	47'	45
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	Arterial	59'	50
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	Arterial	47'	45
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	Arterial	47'	45
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	Arterial	59'	50

[1] Based on a review of existing aerial imagery.
[2] City of Perris General Plan Community Mobility and Circulation Element roadway functional classification.
[3] Distance to receiving land use is based upon the right-of-way distances.

To quantify the off-site noise levels, Project-related truck trips were added to the heavy truck category in the FHWA noise prediction model. The addition of the Project related truck trips increases the percentage of heavy trucks in the vehicle mix. This approach recognizes that the FHWA noise prediction model is significantly influenced by the number of heavy trucks in the vehicle mix. The unadjusted daily Project truck trip-ends were assigned to the individual off-site study area roadway segments based on the Project truck trip distribution percentages documented in the TIA.

TABLE 6-2: AVERAGE DAILY TRAFFIC VOLUMES

ID	Roadway	Segment	Average Daily Traffic Volumes[1]							
			Existing Without Project	Existing With Project	Opening Year (2026) Without Project	Opening Year (2026) With Project	Opening Year (2030) Without Project	Opening Year (2030) With Project	General Plan (2045) Without Project	General Plan (2045) With Project
1	Indian Ave	between Placentia Ave and Orange Ave	4,467	6,296	4,950	5,432	5,486	7,315	8,976	10,805
2	Orange Ave	between Indian Ave and Perris Blvd	7,771	10,097	8,667	10,095	9,600	11,925	9,600	11,925
3	Perris Blvd	between Orange Aven and Citrus Ave	25,533	30,376	37,820	41,541	40,884	45,727	40,884	45,727
4	Barrett Ave	between Placentia Ave and Orange Ave	1,167	7,726	1,345	6,333	1,485	8,044	1,509	8,068
5	Perris Blvd	between Placentia Ave and Orange Ave	23,745	27,064	35,971	39,290	38,820	42,139	38,820	42,139
6	Perris Blvd	between Rider St and Placentia Ave	23,951	28,366	38,203	41,159	41,077	45,493	41,077	45,493
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	33,486	41,825	41,646	49,873	45,664	54,004	45,664	54,004
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	5,666	14,372	6,006	8,398	6,686	15,392	9,236	17,941
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	2,855	10,431	3,026	5,419	3,369	10,945	4,654	12,230
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	2,998	5,347	3,178	3,499	3,538	5,887	4,887	7,236
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	22,066	23,782	29,684	30,951	32,332	34,048	32,332	34,048
12	Perris Blvd	between Citrus Ave and Nuevo Rd	26,744	40,438	39,262	51,833	42,471	56,165	46,021	59,715
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	18,457	28,159	30,384	36,080	32,599	42,301	32,599	42,301
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	25,715	34,256	43,472	48,982	46,558	55,098	46,558	55,098
15	Placentia Ave	between Indian Ave and Perris Blvd	11,227	19,517	25,000	30,933	26,347	34,637	26,347	34,637

[1] Harvest Landing Retail Center & Business Park Project Traffic Impact Analysis Report, EPD Solutions, Inc.

Table 6-3 provides the time of day (daytime, evening, and nighttime) vehicle splits and the traffic flow by vehicle type (vehicle mix) used for all without Project traffic scenarios. Tables 6-4 to 6-7 show the with Project vehicle mix. Due to the added Project truck trips, the increase in Project traffic volumes and the distributions of trucks on the study area road segments, the percentage of autos, medium trucks and heavy trucks will vary for each of the traffic scenarios. This explains why the existing and future traffic volumes and vehicle mixes vary between seemingly identical study area roadway segments.

TABLE 6-3: TIME OF DAY VEHICLE SPLITS

Time of Day	Vehicle Mix[1]			Time of Day Split[1]
	Autos[2]	Medium Trucks[3]	Heavy Trucks[4]	
Daytime	71.02%	1.15%	0.33%	72.50%
Evening	13.65%	0.07%	0.01%	13.73%
Nighttime	13.51%	0.20%	0.06%	13.78%
Daily	98.18%	1.42%	0.40%	100.00%

[1] Based on the May 25, 2023, 24-hour directional vehicle classification count collected on Perris Blvd between Orange Ave and Citrus Ave in the City of Perris (Harvest Landing Retail Center & Business Park Project Traffic Impact Analysis Report, EPD Solutions, Inc.)
[2] All vehicles with two axles and four wheels designed primarily for transportation of nine or fewer passengers (automobiles) or transportation of cargo (light trucks).
[3] All vehicles with two axles and six wheels designed for transportation of cargo.
[4] All vehicles with three or more axles designed for the transportation of cargo.

TABLE 6-4: EXISTING WITH PROJECT VEHICLE MIX

ID	Roadway	Segment	With Project[1]			
			Autos	Medium Trucks	Heavy Trucks	Total[2]
1	Indian Ave	between Placentia Ave and Orange Ave	98.71%	1.00%	0.28%	100.00%
2	Orange Ave	between Indian Ave and Perris Blvd	98.60%	1.09%	0.31%	100.00%
3	Perris Blvd	between Orange Aven and Citrus Ave	98.47%	1.19%	0.34%	100.00%
4	Barrett Ave	between Placentia Ave and Orange Ave	99.73%	0.21%	0.06%	100.00%
5	Perris Blvd	between Placentia Ave and Orange Ave	98.41%	1.24%	0.35%	100.00%
6	Perris Blvd	between Rider St and Placentia Ave	98.47%	1.19%	0.34%	100.00%
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	98.55%	1.13%	0.32%	100.00%
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	87.49%	3.14%	9.36%	100.00%
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	94.09%	1.57%	4.34%	100.00%
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	77.86%	5.42%	16.72%	100.00%
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	98.32%	1.31%	0.37%	100.00%
12	Perris Blvd	between Citrus Ave and Nuevo Rd	98.80%	0.94%	0.27%	100.00%
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	92.79%	2.25%	4.96%	100.00%
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	98.64%	1.06%	0.30%	100.00%
15	Placentia Ave	between Indian Ave and Perris Blvd	98.96%	0.81%	0.23%	100.00%

[1] Total of vehicle mix percentage values rounded to the nearest one-hundredth.

TABLE 6-5: OY PHASE I (2026) WITH PROJECT VEHICLE MIX

ID	Roadway	Segment	With Project[1]			
			Autos	Medium Trucks	Heavy Trucks	Total[2]
1	Indian Ave	between Placentia Ave and Orange Ave	98.71%	1.00%	0.28%	100.00%
2	Orange Ave	between Indian Ave and Perris Blvd	98.60%	1.09%	0.31%	100.00%
3	Perris Blvd	between Orange Aven and Citrus Ave	98.47%	1.19%	0.34%	100.00%
4	Barrett Ave	between Placentia Ave and Orange Ave	99.73%	0.21%	0.06%	100.00%
5	Perris Blvd	between Placentia Ave and Orange Ave	98.41%	1.24%	0.35%	100.00%
6	Perris Blvd	between Rider St and Placentia Ave	98.47%	1.19%	0.34%	100.00%
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	98.55%	1.13%	0.32%	100.00%
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	87.49%	3.14%	9.36%	100.00%
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	94.09%	1.57%	4.34%	100.00%
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	77.86%	5.42%	16.72%	100.00%
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	98.32%	1.31%	0.37%	100.00%
12	Perris Blvd	between Citrus Ave and Nuevo Rd	98.80%	0.94%	0.27%	100.00%
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	92.79%	2.25%	4.96%	100.00%
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	98.64%	1.06%	0.30%	100.00%
15	Placentia Ave	between Indian Ave and Perris Blvd	98.96%	0.81%	0.23%	100.00%

[1] Total of vehicle mix percentage values rounded to the nearest one-hundredth.

TABLE 6-6: OY PHASE II (2030) WITH PROJECT VEHICLE MIX

ID	Roadway	Segment	With Project[1]			
			Autos	Medium Trucks	Heavy Trucks	Total[2]
1	Indian Ave	between Placentia Ave and Orange Ave	98.64%	1.06%	0.30%	100.00%
2	Orange Ave	between Indian Ave and Perris Blvd	98.54%	1.14%	0.32%	100.00%
3	Perris Blvd	between Orange Aven and Citrus Ave	98.38%	1.27%	0.36%	100.00%
4	Barrett Ave	between Placentia Ave and Orange Ave	99.66%	0.26%	0.07%	100.00%
5	Perris Blvd	between Placentia Ave and Orange Ave	98.33%	1.30%	0.37%	100.00%
6	Perris Blvd	between Rider St and Placentia Ave	98.36%	1.28%	0.36%	100.00%
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	98.46%	1.20%	0.34%	100.00%
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	88.20%	3.03%	8.77%	100.00%
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	94.28%	1.57%	4.15%	100.00%
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	79.72%	5.06%	15.22%	100.00%
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	98.28%	1.34%	0.38%	100.00%
12	Perris Blvd	between Citrus Ave and Nuevo Rd	98.63%	1.07%	0.30%	100.00%
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	94.59%	1.97%	3.44%	100.00%
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	98.47%	1.20%	0.34%	100.00%
15	Placentia Ave	between Indian Ave and Perris Blvd	98.62%	1.08%	0.31%	100.00%

[1] Total of vehicle mix percentage values rounded to the nearest one-hundredth.

TABLE 6-7: GENERAL PLAN (2045) WITH PROJECT VEHICLE MIX

ID	Roadway	Segment	With Project[1]			
			Autos	Medium Trucks	Heavy Trucks	Total[2]
1	Indian Ave	between Placentia Ave and Orange Ave	98.49%	1.18%	0.33%	100.00%
2	Orange Ave	between Indian Ave and Perris Blvd	98.54%	1.14%	0.32%	100.00%
3	Perris Blvd	between Orange Aven and Citrus Ave	98.38%	1.27%	0.36%	100.00%
4	Barrett Ave	between Placentia Ave and Orange Ave	99.66%	0.26%	0.07%	100.00%
5	Perris Blvd	between Placentia Ave and Orange Ave	98.33%	1.30%	0.37%	100.00%
6	Perris Blvd	between Rider St and Placentia Ave	98.36%	1.28%	0.36%	100.00%
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	98.46%	1.20%	0.34%	100.00%
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	89.62%	2.80%	7.58%	100.00%
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	94.69%	1.55%	3.76%	100.00%
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	83.16%	4.38%	12.46%	100.00%
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	98.28%	1.34%	0.38%	100.00%
12	Perris Blvd	between Citrus Ave and Nuevo Rd	98.60%	1.09%	0.31%	100.00%
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	94.59%	1.97%	3.44%	100.00%
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	98.47%	1.20%	0.34%	100.00%
15	Placentia Ave	between Indian Ave and Perris Blvd	98.62%	1.08%	0.31%	100.00%

[1] Total of vehicle mix percentage values rounded to the nearest one-hundredth.

7 OFF-SITE TRAFFIC NOISE ANALYSIS

To assess the off-site transportation CNEL noise level impacts associated with the development of the proposed Project, noise contours were developed based on the *Harvest Landing Retail Center & Business Park Project Traffic Impact Analysis Report* (TIA) prepared by *EPD Solutions, Inc.* (25) Noise contour boundaries represent the equal levels of noise exposure and are measured in CNEL from the center of the roadway.

7.1 TRAFFIC NOISE CONTOURS

Noise contours were used to assess the Project's incremental 24-hour dBA CNEL traffic-related noise impacts at land uses adjacent to roadways conveying Project traffic. The noise contours represent the distance to noise levels of constant value and are measured from the center of the roadway for the 70, 65, and 60 dBA CNEL noise levels. The noise contours do not consider the effect of any existing noise barriers or topography that may attenuate ambient noise levels. In addition, because the noise contours reflect modeling of vehicular noise on area roadways, they appropriately do not reflect noise contributions from the surrounding stationary noise sources within the Project study area. Tables 7-1 through 7-8 present a summary of the exterior dBA CNEL traffic noise levels for each traffic condition. Appendix 7.1 includes a summary of the dBA CNEL traffic noise level contour worksheets for each of the traffic conditions.

7.2 EXISTING PROJECT TRAFFIC NOISE LEVEL INCREASES

An analysis of existing traffic noise levels plus traffic noise generated by the proposed Project has been included in this report to fully analyze all the existing traffic scenarios identified in the TIA. This condition is provided solely for informational purposes and will not occur, since the Project will not be fully developed and occupied under Existing conditions. Table 7-1 shows the Existing without Project conditions CNEL noise levels. The Existing without Project exterior noise levels are expected to range from 59.7 to 73.6 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. Table 7-2 shows the Existing with Project conditions will range from 66.6 to 76.6 dBA CNEL. Table 7-9 shows that the Project off-site traffic noise impacts will range from 0.3 to 10.6 dBA CNEL. Based on the significance criteria for off-site traffic noise presented in Table 4-1, two of the study area roadway segments are shown to experience *potentially significant* off-site traffic noise increases due to the Existing with Project conditions. The segments are described below.

- Barrett Avenue between Placentia Avenue and Orange Avenue (Segment #4)
- Placentia Avenue Indian Avenue and Perris Blvd (Segment #15)

Section 7.7 describes the off-site traffic noise mitigation measures considered in this analysis. All other roadway segments would experience *less than significant* noise level increases due to the proposed Project traffic conditions. For an off-site traffic noise impact to be considered significant, receivers need to perceive an increase of traffic noise levels over time. Therefore, consistent with guidance from the City of Perris, off-site traffic impacts are limited to noise sensitive residential receivers that are likely to perceive this increase.

TABLE 7-1: EXISTING WITHOUT PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	65.5	RW	36	77
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	67.4	RW	68	146
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	72.5	69	149	322
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	59.7	RW	RW	RW
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	72.2	66	142	307
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	72.3	66	143	308
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	73.6	102	220	475
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	66.5	RW	42	90
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	63.5	RW	RW	57
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	63.7	RW	RW	59
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	71.9	63	136	292
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	72.6	88	190	409
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	71.1	56	120	259
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	72.6	70	150	323
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	68.8	RW	106	229

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-2: EXISTING WITH PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	66.6	RW	42	92
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	68.3	RW	78	167
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	73.1	76	164	353
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	66.8	RW	44	94
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	72.7	71	152	328
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	72.8	73	156	337
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	74.4	115	248	535
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	76.5	90	193	416
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	72.7	50	107	231
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	74.3	64	139	298
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	72.2	65	141	304
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	74.1	110	238	513
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	76.6	129	278	599
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	73.6	81	175	377
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	70.8	67	144	311

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-3: OY PHASE I (2026) WITHOUT PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	65.9	RW	38	82
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	67.8	RW	73	157
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	74.2	90	194	418
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	60.3	RW	RW	34
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.0	87	188	405
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.3	91	195	421
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	74.5	118	255	549
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	66.8	RW	43	93
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	63.8	RW	RW	59
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	64.0	RW	RW	61
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.2	77	165	356
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	74.3	114	245	528
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.3	78	168	362
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	74.8	99	213	459
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	72.3	84	181	391

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-4: OY PHASE I (2026) WITH PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	66.2	RW	40	86
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	68.4	RW	79	170
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	74.6	95	204	439
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	66.1	RW	39	84
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.3	91	197	424
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.5	94	203	438
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	75.2	130	281	605
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	72.4	48	103	222
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	71.8	43	94	202
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	64.3	RW	RW	64
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.3	78	169	364
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	75.3	132	285	614
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	74.7	97	209	450
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	75.3	105	227	488
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	73.1	94	203	438

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-5: OY PHASE II (2030) WITHOUT PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	66.4	RW	41	88
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	68.3	RW	78	168
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	74.6	95	205	441
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	60.7	RW	RW	37
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.4	92	198	426
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.6	95	205	442
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	74.9	126	271	584
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	67.2	RW	46	100
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	64.3	RW	RW	63
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	64.5	RW	RW	66
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	81	175	377
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	74.6	120	258	556
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	82	176	379
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	75.1	104	223	480
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	72.5	87	188	405

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-6: OY PHASE II (2030) WITH PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	67.3	RW	47	102
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	69.0	RW	87	188
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	75.0	101	217	467
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	67.1	RW	45	97
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.6	96	206	444
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.9	100	216	466
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	75.5	138	297	639
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	76.6	91	196	421
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	72.8	50	109	234
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	74.4	65	140	302
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.7	83	180	387
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	75.6	139	300	647
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	77.4	147	317	683
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	75.7	113	244	525
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	73.5	101	218	469

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-7: GENERAL PLAN (2045) WITHOUT PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	68.5	RW	57	122
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	68.3	RW	78	168
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	74.6	95	205	441
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	60.8	RW	RW	37
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.4	92	198	426
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.6	95	205	442
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	74.9	126	271	584
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	68.6	RW	58	124
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	65.7	RW	37	79
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	65.9	RW	38	81
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	81	175	377
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	75.0	126	272	587
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	82	176	379
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	75.1	104	223	480
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	72.5	87	188	405

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-8: GENERAL PLAN (2045) WITH PROJECT CONTOURS

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]	Distance to Contour from Centerline (Feet)		
					70 dBA CNEL	65 dBA CNEL	60 dBA CNEL
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	69.1	RW	62	134
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	69.0	RW	87	188
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	75.0	101	217	467
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	67.1	RW	45	98
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.6	96	206	444
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.9	100	216	466
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	75.5	138	297	639
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	76.8	93	201	434
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	73.0	52	112	242
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	74.6	67	144	309
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.7	83	180	387
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	75.9	146	314	676
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	77.4	147	317	683
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	75.7	113	244	525
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	73.5	101	218	469

[1] Based on a review of existing aerial imagery.
[2] The CNEL is calculated at the boundary of the right-of-way of the receiving adjacent land use.
"RW" = Location of the respective noise contour falls within the right-of-way of the road.

TABLE 7-9: EXISTING WITH PROJECT TRAFFIC NOISE INCREASES

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold[2]	
				No Project	With Project	Project Addition	Limit	Exceeded?
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	65.5	66.6	1.1	n/a	No
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	67.4	68.3	0.9	n/a	No
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	72.5	73.1	0.6	1.5	No
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	59.7	66.8	7.1	5.0	**Yes**
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	72.2	72.7	0.5	1.5	No
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	72.3	72.8	0.5	1.5	No
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	73.6	74.4	0.8	n/a	No
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	66.5	76.5	10.0	n/a	No
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	63.5	72.7	9.2	n/a	No
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	63.7	74.3	10.6	n/a	No
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	71.9	72.2	0.3	n/a	No
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	72.6	74.1	1.5	1.5	No
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	71.1	76.6	5.5	n/a	No
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	72.6	73.6	1.0	n/a	No
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	68.8	70.8	2.0	1.5	**Yes**

[1] Based on a review of existing aerial imagery.

[2] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use. The City of Perris does not consider noise increases to non-noise-sensitive uses to be significant.

[3] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

7.3 OY PHASE I (2026) PROJECT TRAFFIC NOISE LEVEL INCREASES

Table 7-3 presents the Opening Year Phase I (2026) without Project conditions CNEL noise levels. The Opening Year Phase I (2026) without Project exterior noise levels are expected to range from 60.3 to 74.8 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. Table 7-4 shows the Opening Year Phase I (2026) with Project conditions will range from 64.3 to 75.3 dBA CNEL. Table 7-10 shows that the Project off-site traffic noise level increases will range from 0.1 to 8.0 dBA CNEL. Based on the significance criteria for off-site traffic noise presented in Table 4-1, one of the study area roadway segments is shown to experience *potentially significant* off-site traffic noise increases due to the Opening Year Phase I (2026) with Project conditions. The segments are described below.

- Barrett Avenue between Placentia Avenue and Orange Avenue (Segment #4)

Section 7.7 describes the off-site traffic noise mitigation measures considered in this analysis. All other roadway segments would experience *less than significant* noise level increases due to the proposed Project traffic conditions. For an off-site traffic noise impact to be considered significant, receivers need to perceive an increase of traffic noise levels over time. Therefore, consistent with guidance from the City of Perris, off-site traffic impacts are limited to noise sensitive residential receivers that are likely to perceive this increase.

7.4 OY PHASE II (2030) PROJECT TRAFFIC NOISE LEVEL INCREASES

Table 7-5 presents the Opening Year Phase II (2030) without Project conditions CNEL noise levels. The Opening Year Phase II (2030) without Project exterior noise levels are expected to range from 60.7 to 75.1 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. Table 7-6 shows the Opening Year Phase II (2030) with Project conditions, including the Overlay, will range from 67.1 to 77.4 dBA CNEL. Table 7-11 shows that the Project off-site traffic noise level increases will range from 0.1 to 9.9 dBA CNEL. Based on the significance criteria for off-site traffic noise presented in Table 4-1, one of the study area roadway segments is shown to experience *potentially significant* off-site traffic noise increases due to the Opening Year Phase II (2030) with Project conditions. The segments are described below.

- Barrett Avenue between Placentia Avenue and Orange Avenue (Segment #4)

Section 7.7 describes the off-site traffic noise mitigation measures considered in this analysis. All other roadway segments would experience *less than significant* noise level increases due to the proposed Project traffic conditions. For an off-site traffic noise impact to be considered significant, receivers need to perceive an increase of traffic noise levels over time. Therefore, consistent with guidance from the City of Perris, off-site traffic impacts are limited to noise sensitive residential receivers that are likely to perceive this increase.

7.5 GP (2045) PROJECT TRAFFIC NOISE LEVEL INCREASES

Table 7-7 presents the General Plan (2045) without Project conditions CNEL noise levels. The General Plan (2045) without Project exterior noise levels are expected to range from 60.8 to 75.1 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. Table 7-8 shows the General Plan (2045) with Project conditions, including the Overlay in Phase 2, will range from 67.1 to 77.4 dBA CNEL. Table 7-12 shows that the Project off-site traffic noise level increases will range from 0.1 to 8.7 dBA CNEL. Based on the significance criteria for off-site traffic noise presented in Table 4-1, one of the study area roadway segments are shown to experience *potentially significant* off-site traffic noise increases due to the General Plan (2045) with Project conditions. The segments are described below.

- Barrett Avenue between Placentia Avenue and Orange Avenue (Segment #4)

Section 7.7 describes the off-site traffic noise mitigation measures considered in this analysis. All other roadway segments would experience *less than significant* noise level increases due to the proposed Project traffic conditions. For an off-site traffic noise impact to be considered significant, receivers need to perceive an increase of traffic noise levels over time. Therefore, consistent with guidance from the City of Perris, off-site traffic impacts are limited to noise sensitive residential receivers that are likely to perceive this increase.

7.6 OFF-SITE CUMULATIVE TRAFFIC NOISE IMPACTS

Table 7-13 presents a summary of the cumulative and project incremental noise level increases for each of the study area roadway segments. The cumulative traffic noise analysis describes the future changes in noise levels in comparison to the existing baseline noise levels. As shown on Table 7-13 the overall increase in off-site traffic noise levels from the Existing (baseline) to future General Plan 2045 with Project conditions, including the Overlay in Phase 2, ranges from 1.6 to 10.9 dBA CNEL. The cumulative Project contribution shown on Table 7-13 represents the difference between the General Plan 2045 without Project and the General Plan 2045 with Project conditions shown to range from 0.1 to 8.7 dBA CNEL. Based on the significance criteria for off-site traffic noise presented in Table 4-1, one study area roadway segment is shown to experience *potentially significant* noise impact due to the Project-related traffic. Therefore, the Project contributions to off-site cumulative traffic noise levels are *cumulatively considerable.*

TABLE 7-10: OY PHASE I (2026) WITH PROJECT TRAFFIC NOISE INCREASES

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold[2]	
				No Project	With Project	Project Addition	Limit	Exceeded?
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	65.9	66.2	0.3	n/a	No
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	67.8	68.4	0.6	n/a	No
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	74.2	74.6	0.4	1.5	No
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	60.3	66.1	5.8	3.0	**Yes**
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.0	74.3	0.3	1.5	No
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.3	74.5	0.2	1.5	No
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	74.5	75.2	0.7	n/a	No
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	66.8	72.4	5.6	n/a	No
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	63.8	71.8	8.0	n/a	No
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	64.0	64.3	0.3	n/a	No
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.2	73.3	0.1	n/a	No
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	74.3	75.3	1.0	1.5	No
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.3	74.7	1.4	n/a	No
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	74.8	75.3	0.5	n/a	No
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	72.3	73.1	0.8	1.5	No

[1] Based on a review of existing aerial imagery.

[2] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use. The City of Perris does not consider noise increases to non-noise-sensitive uses to be significant.

[3] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

TABLE 7-11: OY PHASE II (2030) WITH PROJECT TRAFFIC NOISE INCREASES

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold[2]	
				No Project	With Project	Project Addition	Limit	Exceeded?
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	66.4	67.3	0.9	n/a	No
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	68.3	69.0	0.7	n/a	No
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	74.6	75.0	0.4	1.5	No
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	60.7	67.1	6.4	3.0	**Yes**
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.4	74.6	0.2	1.5	No
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.6	74.9	0.3	1.5	No
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	74.9	75.5	0.6	n/a	No
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	67.2	76.6	9.4	n/a	No
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	64.3	72.8	8.5	n/a	No
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	64.5	74.4	9.9	n/a	No
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	73.7	0.1	n/a	No
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	74.6	75.6	1.0	1.5	No
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	77.4	3.8	n/a	No
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	75.1	75.7	0.6	n/a	No
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	72.5	73.5	1.0	1.5	No

[1] Based on a review of existing aerial imagery.

[2] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use. The City of Perris does not consider noise increases to non-noise-sensitive uses to be significant.

[3] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

TABLE 7-12: GENERAL PLAN (2045) WITH PROJECT TRAFFIC NOISE INCREASES

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[1]			Incremental Noise Level Increase Threshold[2]	
				No Project	With Project	Project Addition	Limit	Exceeded?
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	68.5	69.1	0.6	n/a	No
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	68.3	69.0	0.7	n/a	No
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	74.6	75.0	0.4	1.5	No
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	60.8	67.1	6.3	3.0	**Yes**
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	74.4	74.6	0.2	1.5	No
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	74.6	74.9	0.3	1.5	No
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	74.9	75.5	0.6	n/a	No
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	68.6	76.8	8.2	n/a	No
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	65.7	73.0	7.3	n/a	No
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	65.9	74.6	8.7	n/a	No
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	73.7	0.1	n/a	No
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	75.0	75.9	0.9	1.5	No
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	73.6	77.4	3.8	n/a	No
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	75.1	75.7	0.6	n/a	No
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	72.5	73.5	1.0	1.5	No

[1] Based on a review of existing aerial imagery.

[2] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use. The City of Perris does not consider noise increases to non-noise-sensitive uses to be significant.

[3] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

TABLE 7-13: CUMULATIVE OFF-SITE TRAFFIC NOISE INCREASES

ID	Roadway	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA CNEL)[2]					Incremental Noise	
				Existing No Project (a)	GP 2045 Without Project (b)	GP 2045 With Project (c)	Cumulative Increase (c-a)	Cumulative Contribution (c-b)	Limit	Exceeded?[3]
1	Indian Ave	between Placentia Ave and Orange Ave	Non-Sensitive	65.5	68.5	69.1	3.6	0.6	n/a	No
2	Orange Ave	between Indian Ave and Perris Blvd	Non-Sensitive	67.4	68.3	69.0	1.6	0.7	n/a	No
3	Perris Blvd	between Orange Aven and Citrus Ave	Sensitive	72.5	74.6	75.0	2.5	0.4	1.5	No
4	Barrett Ave	between Placentia Ave and Orange Ave	Sensitive	59.7	60.8	67.1	7.4	6.3	1.5	**Yes**
5	Perris Blvd	between Placentia Ave and Orange Ave	Sensitive	72.2	74.4	74.6	2.4	0.2	1.5	No
6	Perris Blvd	between Rider St and Placentia Ave	Sensitive	72.3	74.6	74.9	2.6	0.3	1.5	No
7	Nuevo Rd	between Perris Blvd and I-215 NB Ramps	Non-Sensitive	73.6	74.9	75.5	1.9	0.6	n/a	No
8	I-215 Frontage Rd	between Placentia Ave and Orange Ave	Non-Sensitive	66.5	68.6	76.8	10.3	8.2	n/a	No
9	I-215 Frontage Rd	between Orange Ave and Nuevo Rd	Non-Sensitive	63.5	65.7	73.0	9.5	7.3	n/a	No
10	Orange Ave	between I-215 Frontage Rd and Indian Ave	Non-Sensitive	63.7	65.9	74.6	10.9	8.7	n/a	No
11	Nuevo Rd	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	71.9	73.6	73.7	1.8	0.1	n/a	No
12	Perris Blvd	between Citrus Ave and Nuevo Rd	Sensitive	72.6	75.0	75.9	3.3	0.9	1.5	No
13	Placentia Ave	between I-215 NB Ramps and I-215 SB Ramps	Non-Sensitive	71.1	73.6	77.4	6.3	3.8	n/a	No
14	Placentia Ave	between I-215 NB Ramps and Indian Ave	Non-Sensitive	72.6	75.1	75.7	3.1	0.6	n/a	No
15	Placentia Ave	between Indian Ave and Perris Blvd	Sensitive	68.8	72.5	73.5	4.7	1.0	1.5	No

[1] Based on a review of existing aerial imagery. Noise sensitive uses limited to existing residential land uses.
[2] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.
[3] Does the Project create an incremental noise level increase exceeding the significance criteria (Table 4-1)?

7.7 OFF-SITE TRAFFIC NOISE IMPACTS

The study area roadway segments that would exceed the established thresholds of significance criteria outlined on Table 4-1 are limited to Barrett Avenue between Placentia Avenue for each of the With Project traffic scenarios and Orange Avenue (Segment #4). Impacts at Placentia Avenue Indian Avenue and Perris Blvd (Segment #15) are only identified in the Existing with Project traffic scenario which will not occur, since the Project will not be fully developed and occupied under existing conditions. All other roadway segments will experience off-site traffic noise level impacts that are considered *less than significant*. To reduce the *potentially significant* Project traffic noise

increases on the study area roadway segment (Segments #4) during opening year and future buildout conditions, potential noise mitigation measures are identified in this analysis. Potential mitigation measures discussed below include rubberized asphalt hot mix pavement and off-site noise barriers for the existing noise sensitive land uses adjacent to impacted roadway segments.

7.7.1 RUBBERIZED ASPHALT

Due to the potential noise attenuation benefits, rubberized asphalt is considered as a mitigation measure for the off-site Project-related traffic noise level increases. Changing the pavement type of a roadway has been shown to reduce the amount of tire/pavement noise produced at the source under both near-term and long-term conditions. Traffic noise is generated primarily by the interaction of the tires and pavement, the engine, and exhaust systems. For automobile noise, as much as 75 to 90-percent of traffic noise is generated by the interaction of the tires and pavement, especially when traveling at higher and constant speeds. (2) According to research conducted by Caltrans (26) and (18) and the Canadian Ministry of Transportation and Highways (27), a 4 dBA reduction in tire/pavement noise is attainable using rubberized asphalt under typical operating conditions.

However, heavy truck engine and exhaust noise is not reduced by rubberized pavement due to the height of the truck engine exhaust stack above the pavement. (8) Per Caltrans guidance a truck stack height is modeled using a height of 11.5 feet above the road. (4) (28) Thus, the tire/pavement noise reduction benefits associated with rubberized asphalt will be primarily limited to autos and would not materially reduce primary truck-related noise sources (e.g., truck engine noise and exhaust stack noise). Although Barrett Avenue between Placentia Avenue and Orange Avenue (Segment #4) is not a designated truck route, it is anticipated that some vendor trucks accessing the commercial portion of the project may utilize this roadway segment and could generate an increase in noise that would not be mitigated by the rubberized asphalt. Therefore, impacts related to traffic noise increases at adjacent land uses would remain *significant.*

7.7.2 OFF-SITE NOISE BARRIERS

While noise barriers are commonly used to reduce the potential traffic noise levels from nearby transportation noise source activities, they are typically developed in coordination with new noise sensitive residential development or as part of a roadway widening project. Even though off-site noise barriers are typically not developed by individual off-site projects that contribute

to the cumulative off-site traffic noise levels, off-site noise barriers were considered in this analysis as a potential traffic noise mitigation measure to reduce the Project-related impacts.

Off-site noise barriers are estimated to provide a *readily perceptible* 5 dBA reduction which, according to the FHWA, is *simple* to attain when blocking the line-of-sight from the noise source to the receiver. (4) Caltrans guidance in the Highway Design Manual, Section 1102.3(3), indicates that for design purposes, *the noise barrier should intercept the line of sight from the exhaust stack of a truck to the receptor*, and an 11.5-foot-high truck stack height is assumed to represent the truck engine and exhaust noise source. (28) As a result, any external noise barriers at noise-sensitive land uses affected by Project-related traffic noise increases would need to be sufficiently tall and long to obstruct the line-of-sight between the noise source (11.5 feet high, per Caltrans) and the receiver (5 feet high, per FHWA guidance) to achieve a 5 dBA noise reduction, as recommended by FHWA guidance. Consequently, off-site noise barriers are not considered feasible, as they would not reduce off-site traffic noise levels to below a level of significance. Lastly, the Applicant cannot autonomously construct off-site walls or other features at property owned or controlled by others. As such, off-site noise barriers would not be feasible and would not lower the off-site traffic noise levels below a level of significance, and therefore, noise barriers are not proposed as mitigation for the Project.

8 SENSITIVE RECEIVER LOCATIONS

To assess the potential for long-term operational and short-term construction noise impacts, the following sensitive receiver locations, as shown on Exhibit 8-A, were identified as representative locations for analysis. Sensitive receivers are generally defined as locations where people reside or where the presence of unwanted sounds could otherwise adversely affect the use of the land. However, the City of Perris has consistently limited noise sensitive receivers to any point on the property line of the affected residence. Other non-residential receivers (such as parks and schools) are protected by City of Perris land use compatibility standards.

To describe the potential off-site Project noise levels, nine receiver locations in the vicinity of the Project site were identified. The selection of receiver locations is based on FHWA guidelines and is consistent with additional guidance provided by Caltrans and the FTA, as previously described in Section 5.2. Other sensitive land uses surrounding the Project site that are located at greater distances than those identified in this noise study will experience lower noise levels than those presented in this report due to the additional attenuation from distance and the shielding of intervening structures. Distance is measured in a straight line from the project boundary to the property line of each receiver location.

R1: Location R1 represents the property line of the existing residence at 25 Whirlaway Street, approximately 181 feet east of the Project site. A 24-hour noise measurement was taken near this location, L1, to describe the existing ambient noise environment.

R2: Location R2 represents the property line of the existing residence at 2266 Windsor Court, approximately 713 feet east of the Project site. A 24-hour noise measurement was taken near this location, L2, to describe the existing ambient noise environment.

R3: Location R3 represents the property line of the Centinela Grand senior living facility at 2225 North Perris Boulevard, approximately 112 feet east of the Project site. A 24-hour noise measurement was taken near this location, L3, to describe the existing ambient noise environment.

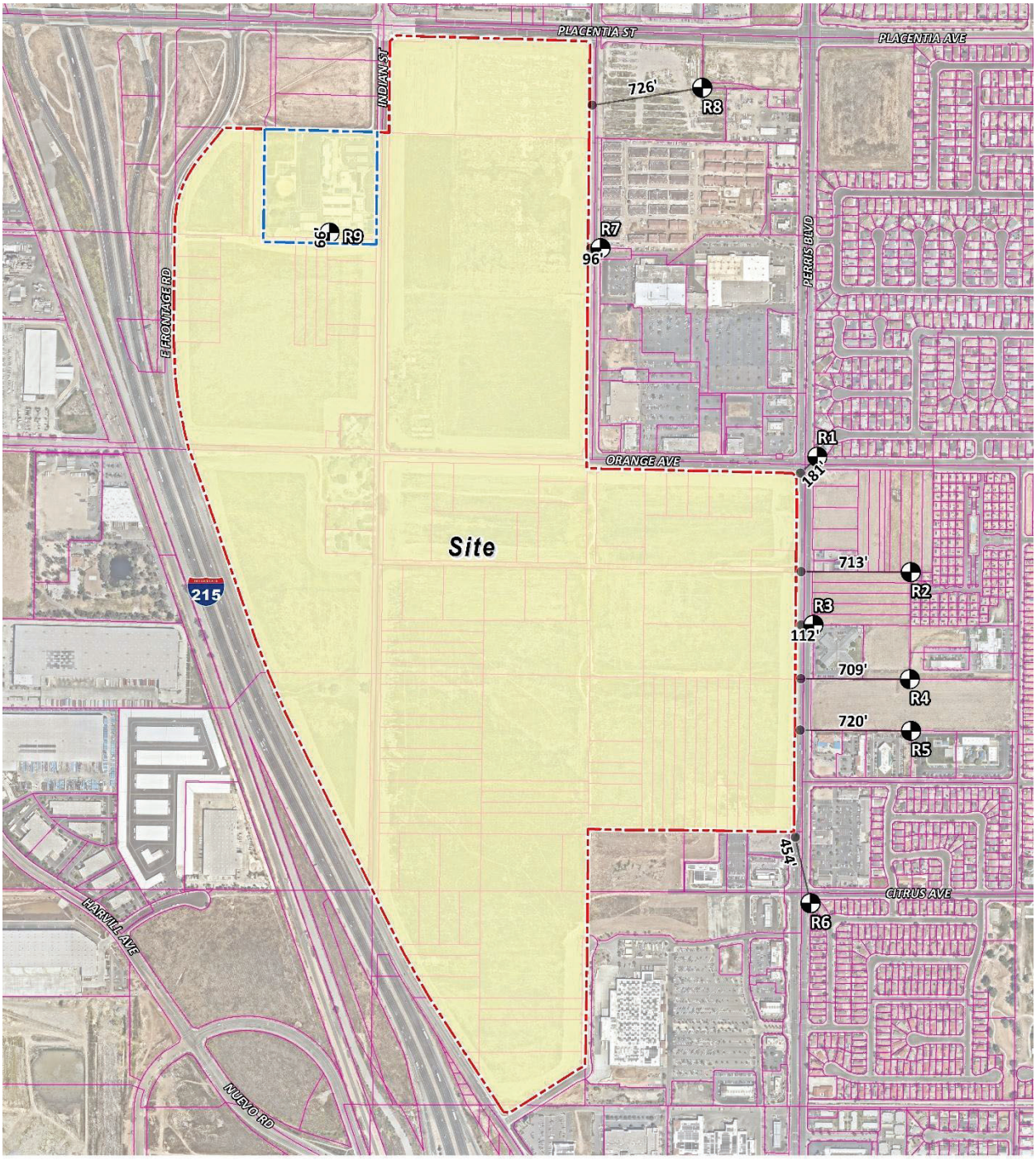
R4: Location R4 represents the property line of the Kindred Hospital at 2224 Medical Center Drive, approximately 709 feet east of the Project site. A 24-hour noise measurement was taken near this location, L4, to describe the existing ambient noise environment.

R5: Location R5 represents the property line of the existing school Perris Early Head Start at 148 Avocado Drive, approximately 720 feet east of the Project site. A 24-hour noise measurement was taken near this location, L4, to describe the existing ambient noise environment.

R6: Location R6 represents the property line of the existing residence at 102 Oaktree Drive, approximately 454 feet south of the Project site. A 24-hour noise measurement was taken near this location, L5, to describe the existing ambient noise environment.

R7: Location R7 represents the property line of the residences under construction at Barrett Avenue and West Placentia Avenue, approximately 96 feet east of the Project site. A 24-hour noise measurement was taken near this location, L7, to describe the existing ambient noise environment.

EXHIBIT 8-A: SENSITIVE RECEIVER LOCATIONS



R8: Location R8 represents the property line of the planned residential land use, approximately 726 feet northeast of the Project site. A 24-hour noise measurement was taken near this location, L8, to describe the existing ambient noise environment.

R9: Location R9 represents the property line of the existing Val Verde Elementary School at 2656 Indian Avenue, approximately 66 feet north of the Project site. A 24-hour noise measurement was taken near this location, L6, to describe the existing ambient noise environment.

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9 OPERATIONAL NOISE IMPACTS

This section analyzes the potential stationary-source operational noise impacts at the nearest receiver locations, identified in Section 8, resulting from the operation of the proposed Harvest Landing Retail Center & Business Park Project. To conservatively describe the potential worst-case noise environment, Exhibit 9-A presents the 124 individual noise sources used to assess the operational noise levels.

9.1 OPERATIONAL NOISE SOURCES

This operational noise analysis is intended to describe noise level impacts associated with the expected typical daytime and nighttime activities at the Project site. To present a conservative analysis of the potential operational noise conditions, this analysis assumes the Project land uses would be operational 24 hours per day, seven days per week. The on-site Project-related noise sources are expected to include: loading dock activity, roof-top air conditioning units, drive-through speakerphones, trash enclosure activity, parking lot vehicle movements, gas station activity, and truck movements.

9.2 REFERENCE NOISE LEVELS

To estimate the Project operational noise impacts, reference noise level measurements were collected from similar types of activities to represent the noise levels expected with the development of the proposed Project. This section provides a detailed description of the reference noise level measurements shown on Table 9-1 used to estimate the Project operational noise impacts. Table 9-1 presents both the average hourly L_{eq} and the maximum permissible L_{max} reference noise levels. The average hour L_{eq} noise levels are used to calculate the 24-hour noise levels necessary to demonstrate compliance with the City of Perris 60 dBA CNEL exterior noise level standard for new industrial and large commercial facilities within 160 feet of the property line of existing noise-sensitive land uses. In addition, the average hourly L_{eq} noise levels are used to describe the Project related operational noise level increases.

The L_{max} reference noise levels shown on Table 9-1 are used to estimate the Project's maximum permissible exterior noise level consistent with the City's L_{max} noise level standards. It is important to note that the following projected noise levels present a conservative analysis of the noise environment with the loading dock activity, roof-top air conditioning units, drive-through speakerphones, trash enclosure activity, parking lot vehicle movements, gas station activity, and truck movements all operating continuously. These sources of noise activity will likely vary throughout the day.

EXHIBIT 9-A: OPERATIONAL NOISE SOURCE LOCATIONS

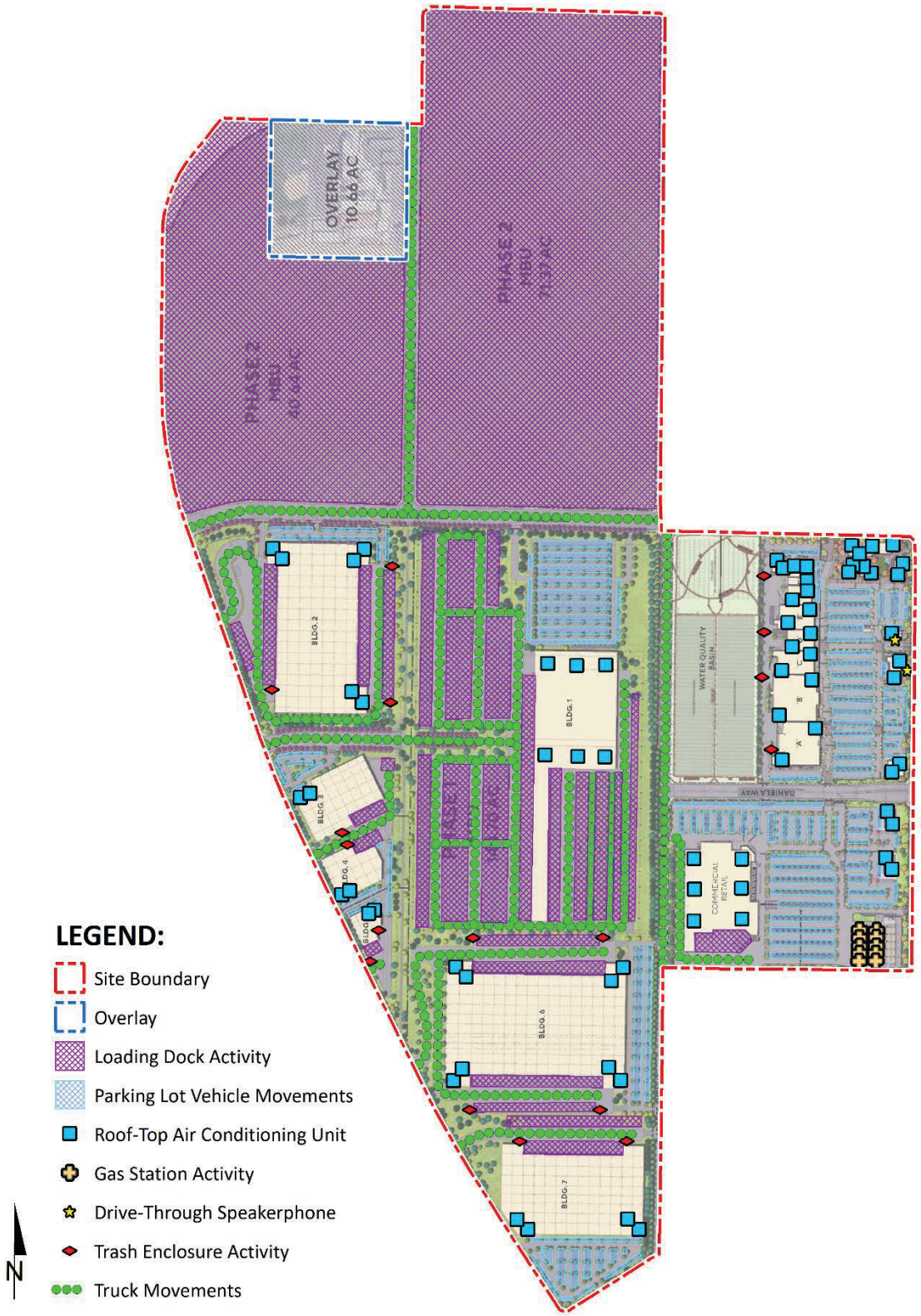


TABLE 9-1: REFERENCE NOISE LEVEL MEASUREMENTS

Noise Source[1]	Noise Source Height (Feet)	Min./Hour[2]		Reference Noise Level (dBA L_{eq})		Reference Noise Level (dBA L_{max})	
		Day	Night	@ Ref. Dist.	@ 50 Feet	@ Ref. Dist.	@ 50 Feet
Loading Dock Activity	8'	60	60	67.2	62.8	75.6	71.2
Roof-Top Air Conditioning Units	5'	39	28	77.2	57.2	77.7	57.7
Drive-Through Speakerphone	3'	60	30	62.0	51.5	65.3	54.8
Trash Enclosure Activity	5'	60	30	72.7	56.8	87.0	71.1
Parking Lot Vehicle Movements	5'	60	60	66.6	56.1	70.2	59.7
Gas Station Activity	5'	60	60	68.2	48.2	74.4	54.4
Truck Movements	8'	60	60	64.0	58.0	79.1	73.1

[1] As measured by Urban Crossroads, Inc.
[2] Anticipated duration (minutes within the hour) of noise activity during typical hourly conditions expected at the Project site. "Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

9.2.1 MEASUREMENT PROCEDURES

The reference noise level measurements from similar types of activities presented in this section were collected using a Larson Davis LxT Type 1 precisions sound level meter (serial number 01146). The LxT sound level meter was calibrated using a Larson-Davis calibrator, Model CAL 200, was programmed in "slow" mode to record noise levels in "A" weighted form and was located at approximately five feet above the ground elevation for each measurement. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (21)

9.2.2 LOADING DOCK ACTIVITY

The reference dry goods loading dock/tractor trailer parking activities are intended to describe the typical operational noise source levels associated with the Project. This includes truck idling, deliveries, backup alarms, unloading/loading, docking including a combination of tractor trailer semi-trucks, two-axle delivery trucks, and background forklift operations. To evaluate the noise levels associated with truck idling, backup alarms, trailer movements and storage activities, Urban Crossroads collected a reference noise level measurement at an existing fulfillment center to describe the potential operational noise levels associated with Project tractor trailer parking activities. The measured reference noise level at 50 feet from activity was measured at 71.2 dBA L_{max}. The reference noise level measurement includes a semi-truck with trailer pass-by event, background switcher cab trailer towing, drop-off, idling, and backup alarm events.

9.2.3 ROOF-TOP AIR CONDITIONING UNITS

To assess the noise levels created by the roof-top air conditioning units, reference noise level measurements were collected from Lennox SCA120 series 10-ton model packaged air conditioning unit. At a uniform reference distance of 50 feet, the roof-top air conditioning units

generate a reference noise level of 57.7 dBA L_{max}. Based on the typical operating conditions observed over a four-day measurement period, the roof-top air conditioning units are estimated to operate for and average 39 minutes per hour during the daytime hours, and 28 minutes per hour during the nighttime hours. For this noise analysis, the air conditioning units are expected to be located on the roof of the Project buildings.

9.2.4 DRIVE-THROUGH SPEAKERPHONE ACTIVITY

To describe the potential noise level impacts associated with potential drive-thru speakerphones and vehicle activities, a reference noise measurement was collected. The reference noise levels collected are expected to reflect potential drive-thru speakerphone noise level activities at the Project site, since the reference measurement includes both drive-thru speakerphone and vehicle activity noise. The noise sources included in the reference noise measurement consist of voices of the employees over the speakerphone, customers' voices ordering food, car engines idling, car radios playing music, and cars queuing in the drive-thru lane. At 50 feet from the speakerphone, a reference noise level of 54.8 dBA L_{max} was measured.

9.2.5 TRASH ENCLOSURE ACTIVITY

To describe the noise levels associated with a trash enclosure activity, Urban Crossroads collected a reference noise level measurement at an existing trash enclosure containing two dumpster bins. The trash enclosure noise levels describe metal gates opening and closing, metal scraping against concrete floor sounds, dumpster movement on metal wheels, trash dropping into the metal dumpster. The reference noise levels describe trash enclosure noise activities when trash is dropped into an empty metal dumpster, as would occur at the Project site. The measured reference noise level at the uniform 50-foot reference distance is 71.1 dBA L_{max} for the trash enclosure activity. The reference noise level describes the expected noise source activities associated with the trash enclosures for each of the Project buildings.

9.2.6 PARKING LOT VEHICLE MOVEMENTS

To describe the on-site parking lot activity a reference noise level of 59.7 dBA L_{max} at 50 feet is used. Parking activities are expected to take place during the full hour (60 minutes) throughout the daytime and evening hours. The parking lot noise levels are mainly due to cars pulling in and out of parking spaces.

9.2.7 GAS STATION ACTIVITY

The gas station activity is characterized by a reference noise level of 54.4 dBA L_{max} measured at 50 feet. This reference noise level encompasses a variety of sounds typically encountered at a gas station, including vehicles approaching the fuel pumps, the sound of car doors opening and closing, patrons engaging in the process of pumping gas, music playing from car stereos, engines starting up, and the background noise of passing cars.

9.2.8 TRUCK MOVEMENTS

The truck movements reference noise level measurement was taken over a 15-minute period and represents multiple noise sources producing a reference noise level of 73.1 dBA L_{max} at 50

feet. The noise sources included at this measurement location account for the rattling and squeaking during normal opening and closing operations, the gate closure equipment, truck engines idling outside the entry gate, truck movements through the entry gate, and background truck court activities and forklift backup alarm noise.

9.3 CADNAA NOISE PREDICTION MODEL

To fully describe the exterior operational noise levels from the Project, Urban Crossroads, Inc. developed a noise prediction model using the CadnaA (Computer Aided Noise Abatement) computer program. CadnaA can analyze multiple types of noise sources using the spatially accurate Project site plan, georeferenced Nearmap aerial imagery, topography, buildings, and barriers in its calculations to predict outdoor noise levels. Using the ISO 9613-2 protocol, CadnaA will calculate the distance from each noise source to the noise receiver locations, using the ground absorption, distance, and barrier/building attenuation inputs to provide a summary of noise level at each receiver and the partial noise level contributions by noise source.

Consistent with the ISO 9613-2 protocol, the CadnaA noise prediction model relies on the reference sound power level (L_w) to describe individual noise sources. While sound pressure levels (e.g., L_{eq}) quantify in decibels the intensity of the given sound sources at a reference distance, sound power levels (L_w) are connected to the sound source and are independent of distance. Sound pressure levels vary substantially with distance from the source and diminish because of intervening obstacles and barriers, air absorption, wind, and other factors. Sound power is the acoustical energy emitted by the sound source and is an absolute value that is not affected by the environment. The operational noise level calculations provided in this noise study account for the distance attenuation provided due to geometric spreading, when sound from a localized stationary source (i.e., a point source) propagates uniformly outward in a spherical pattern. A default ground attenuation factor of 0.5 was used in the noise analysis to account for mixed ground representing a combination of hard and soft surfaces.

9.4 PHASE 1 PROJECT OPERATIONAL NOISE LEVELS

Using the reference noise levels to represent the proposed Phase 1 Project operations that include loading dock activity, roof-top air conditioning units, drive-through speakerphones, trash enclosure activity, parking lot vehicle movements, gas station activity, and truck movements, Urban Crossroads, Inc. calculated the operational source noise levels that are expected to be generated at the Project site and the Project-related noise level increases that would be experienced at each of the sensitive receiver locations. Table 9-2 shows Phase 1 Project operational noise levels during the daytime hours of 7:01 a.m. to 10:00 p.m. The Phase 1 daytime hourly noise levels at the off-site receiver locations are expected to range from 50.0 to 54.9 dBA L_{max}. Appendix 9.1 includes the detailed noise dBA L_{max} model inputs used to estimate the Phase 1 Project operational noise levels presented in this section.

TABLE 9-2: PHASE 1 DAYTIME OPERATIONAL NOISE LEVELS

Noise Source[1]	Operational Noise Levels by Receiver Location (dBA L_{max})								
	R1	R2	R3	R4	R5	R6	R7	R8	R9
Loading Dock Activity	49.9	48.4	50.7	50.4	50.2	53.8	53.4	49.5	53.7
Roof-Top Air Conditioning Units	43.9	39.7	44.2	39.2	38.5	36.2	34.9	31.6	32.6
Courtyard Activity	23.8	26.9	34.4	24.6	22.7	15.5	0.0	3.1	0.0
Drive-Through Speakerphone	34.8	35.3	36.0	36.6	36.2	42.2	41.9	37.7	40.2
Trash Enclosure Activity	42.5	43.7	52.0	43.5	43.4	41.6	37.9	34.2	36.3
Parking Lot Vehicle Movements	20.7	26.1	27.5	26.6	24.1	35.2	15.7	17.5	17.9
Truck Movements	28.2	26.8	28.8	29.4	28.0	30.6	31.8	28.0	33.3
Total (All Noise Sources)	**51.6**	**50.3**	**54.9**	**51.7**	**51.4**	**54.5**	**53.9**	**50.0**	**54.0**

[1] See Exhibit 9-A for the noise source locations. CadnaA noise model calculations are included in Appendix 9.1.

Table 9-3 shows the Phase 1 Project operational noise levels during the nighttime hours from 10:01 p.m. to 7:00 a.m. The nighttime hourly noise levels at the off-site receiver locations are expected to range from 49.8 to 54.7 dBA L_{max}. The differences between the daytime and nighttime noise levels are largely related to the estimated duration of noise activity as outlined (Table 9-1).

TABLE 9-3: PHASE 1 NIGHTTIME OPERATIONAL NOISE LEVELS

Noise Source[1]	Operational Noise Levels by Receiver Location (dBA L_{max})								
	R1	R2	R3	R4	R5	R6	R7	R8	R9
Loading Dock Activity	49.9	48.4	50.7	50.4	50.2	53.8	53.4	49.5	53.7
Roof-Top Air Conditioning Units	41.5	37.3	41.8	36.8	36.1	33.8	32.5	29.2	30.2
Courtyard Activity	19.8	23.0	30.5	20.6	18.7	11.5	0.0	0.0	0.0
Drive-Through Speakerphone	30.8	31.3	32.0	32.6	32.2	38.2	37.9	33.8	36.3
Trash Enclosure Activity	42.5	43.7	52.0	43.5	43.4	41.6	37.9	34.2	36.3
Parking Lot Vehicle Movements	20.7	26.1	27.5	26.6	24.1	35.2	15.7	17.5	17.9
Truck Movements	28.2	26.8	28.8	29.4	28.0	30.6	31.8	28.0	33.3
Total (All Noise Sources)	**51.2**	**50.0**	**54.7**	**51.5**	**51.2**	**54.3**	**53.7**	**49.8**	**53.9**

[1] See Exhibit 9-A for the noise source locations. CadnaA noise model calculations are included in Appendix 9.1.

9.5 PHASE 1 OPERATIONAL NOISE LEVEL COMPLIANCE

To demonstrate compliance with local noise regulations, the Project-only operational noise levels are evaluated against exterior noise level thresholds based on the City of Perris exterior noise level standards at nearby noise-sensitive receiver locations. Table 9-4 shows that the operational noise levels associated with the Phase 1 Project will not exceed the City of Perris 80 dBA L_{max} daytime and 60 dBA L_{max} nighttime exterior noise level standards at the nearest receiver locations. Therefore, the operational noise impacts are considered *less than significant* at the nearby noise-sensitive receiver locations.

Note that receiver location R9 representing the Val Verde Elementary School does not include any existing nighttime noise sensitive uses, but would remain below the residential standard of 60. Therefore, the operational noise impacts are considered *less than significant* at the nearby noise-sensitive receiver locations.

TABLE 9-4: PHASE 1 OPERATIONAL NOISE LEVEL COMPLIANCE

Receiver Location[1]	Land Use	Project Operational Noise Levels (dBA L_{max})[2]		Noise Level Standards (dBA L_{max})[3]		Noise Level Standards Exceeded?[4]	
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime
R1	Residential	51.6	51.2	80	60	No	No
R2	Residential	50.3	50.0	80	60	No	No
R3	Residential	54.9	54.7	80	60	No	No
R4	Residential	51.7	51.5	80	60	No	No
R5	Residential	51.4	51.2	80	60	No	No
R6	Residential	54.5	54.3	80	60	No	No
R7	Residential	53.9	53.7	80	60	No	No
R8	Residential	50.0	49.8	80	60	No	No
R9	School	54.0	53.9	80	-[5]	No	No

[1] See Exhibit 8-A for the receiver locations.
[2] Proposed Project operational noise levels as shown on Tables 9-2 and 9-3.
[3] Exterior noise level standards per the City of Perris Municipal Code, sections 7.34.040 (Appendix 3.1).
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
[5] Val Verde Elementary School does not include any noise sensitive nighttime receivers.
"Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

Consistent with the City of Perris General Plan Noise Element, Implementation Measure V.A.1, Project operational noise levels at the nearest sensitive receiver locations cannot exceed 60 dBA CNEL. The CNEL metric is typically used to describe 24-hour transportation-related noise levels, however, the City of Perris General Plan Noise Element requires new industrial facilities and large commercial facilities to demonstrate compliance at any noise-sensitive land use within 160 feet of the Project site. CNEL is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time-of-day corrections require the addition of 5 decibels to dBA L_{eq} sound levels in the evening from 7:01 p.m. to 10:00 p.m., and the addition of 10 decibels to dBA L_{eq} sound levels at night between 10:01 p.m. and 7:00 a.m. These additions are made to account for the noise sensitive time periods during the evening and night hours when noise can become more intrusive, particularly for noise sensitive residential land use. CNEL does not represent the actual sound level heard at any time, but rather represents the total sound exposure.

Table 9-5 includes the evening and nighttime adjustments made to the operational noise levels during the applicable hours to convert the hourly operational noise levels (L_{eq}) to 24-hour CNELs. Table 9-5 indicates that the 24-hour noise levels associated with the Phase 1 Project at the nearest receiver locations are expected to range from 48.7 to 56.7 dBA CNEL. Since CNEL noise criteria is used to describe the noise sensitive time periods during the evening and night hours

when noise can become more intrusive, the CNEL calculations are limited to the noise sensitive residential receiver locations R1 to R8.

TABLE 9-5: PHASE 1 OPERATIONAL NOISE LEVEL COMPLIANCE (CNEL)

Receiver Location[1]	Land Use	Project Operational Noise Levels[2]			Exterior Noise Level Standards (CNEL)[3]	Noise Level Standards Exceeded?[4]
		Daytime (dBA L_{eq})	Nighttime (dBA L_{eq})	24-Hour (CNEL)		
R1	Residential	46.6	45.5	52.2	60	No
R2	Residential	44.8	44.2	50.8	60	No
R3	Residential	50.5	50.1	56.7	60	No
R4	Residential	45.5	45.0	51.7	60	No
R5	Residential	45.1	44.7	51.4	60	No
R6	Residential	46.9	46.7	53.4	60	No
R7	Residential	46.0	45.9	52.5	60	No
R8	Residential	42.2	42.0	48.7	60	No
R9	School	46.1	-[5]	-[5]	-[5]	No

[1] See Exhibit 8-A for the receiver locations.
[2] Proposed Project operational noise level calculations are included in Appendix 9.2.
[3] City of Perris General Plan Noise Element Implementation Measure V.A.1
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
[5] Val Verde Elementary School does not include any noise sensitive nighttime receivers.
"Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

Receiver location R9 representing the Val Verde Elementary School does not include any noise sensitive nighttime receivers. The Phase 1 Project-related operational noise levels shown on Table 9-5 will not exceed the City of Perris 60 dBA CNEL exterior noise level standards at the nearest receiver locations. The 24-hour noise level calculations are included in Appendix 9.2.

9.6 PHASE 1 OPERATIONAL NOISE LEVEL INCREASES

To describe the Project operational noise level increases, the Project operational noise levels are combined with the existing ambient noise levels measurements for the nearby receiver locations potentially impacted by Project operational noise sources. Since the units used to measure noise, decibels (dB), are logarithmic units, the Project-operational and existing ambient noise levels cannot be combined using standard arithmetic equations. (2) Instead, they must be logarithmically added using the following base equation:

$$SPL_{Total} = 10\log_{10}[10^{SPL1/10} + 10^{SPL2/10} + \ldots 10^{SPLn/10}]$$

Where "SPL1," "SPL2," etc. are equal to the sound pressure levels being combined, or in this case, the Project-operational and existing ambient noise levels. The difference between the combined Project and ambient noise levels describes the Project noise level increases to the existing ambient noise environment. As indicated on Tables 9-6, the Project will generate a daytime operational noise level increase ranging from 0.0 to 1.0 dBA L_{eq} at the nearest receiver locations. Table 9-7 shows that the Project will generate a nighttime operational noise increase ranging from 0.1 to 0.9 dBA L_{eq} at the nearest receiver locations.

TABLE 9-6: PHASE 1 DAYTIME OPERATIONAL NOISE LEVEL INCREASES (LEQ)

Receiver Location[1]	Land Use	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	Residential	46.6	L1	67.2	67.2	0.0	Yes	1.5	No
R2	Residential	44.8	L2	66.7	66.7	0.0	Yes	1.5	No
R3	Residential	50.5	L3	64.2	64.4	0.2	Yes	5.0	No
R4	Residential	45.5	L4	54.7	55.2	0.5	Yes	5.0	No
R5	Residential	45.1	L4	54.7	55.2	0.5	Yes	5.0	No
R6	Residential	46.9	L5	65.0	65.1	0.1	Yes	1.5	No
R7	Residential	46.0	L7	56.5	56.9	0.4	Yes	5.0	No
R8	Residential	42.2	L8	58.6	58.7	0.1	Yes	5.0	No
R9	School	46.1	L6	52.1	53.1	1.0	Yes	5.0	No

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project daytime operational noise levels as shown on Table 9-5.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.

TABLE 9-7: PHASE 1 NIGHTTIME NOISE LEVEL INCREASES (LEQ)

Receiver Location[1]	Land Use	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	Residential	45.5	L1	63.9	64.0	0.1	Yes	5.0	No
R2	Residential	44.2	L2	61.8	61.9	0.1	Yes	5.0	No
R3	Residential	50.1	L3	62.1	62.4	0.3	Yes	5.0	No
R4	Residential	45.0	L4	51.3	52.2	0.9	Yes	5.0	No
R5	Residential	44.7	L4	51.3	52.2	0.9	Yes	5.0	No
R6	Residential	46.7	L5	59.0	59.2	0.2	Yes	5.0	No
R7	Residential	45.9	L7	53.2	53.9	0.7	Yes	5.0	No
R8	Residential	42.0	L8	55.0	55.2	0.2	Yes	5.0	No
R9	School	-[8]	L6	48.1	-[8]	-[8]	-[8]	-[8]	-[8]

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project nighttime operational noise levels as shown on Table 9-5.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed nighttime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.
[8] Val Verde Elementary School does not include any noise sensitive nighttime receivers.

The Project-related operational noise level increases will satisfy the operational noise level increase significance criteria presented on Table 4-1. Therefore, the incremental Project operational noise level increase is considered *less than significant* at all receiver locations.

9.7 PHASE 2, WITH OVERLAY SCENARIO OPERATIONAL NOISE LEVELS

Using the reference noise levels to represent the proposed Phase 2, With Overlay Scenario operations, Urban Crossroads, Inc. calculated the operational source noise levels that are expected to be generated at the Project site and the Project-related noise level increases that would be experienced at each of the sensitive receiver locations. Table 9-8 shows Phase 2, With Overlay Scenario operational noise levels during the daytime hours from 7:01 a.m. to 10:00 p.m. Phase 2, With Overlay Scenario daytime hourly noise levels at the off-site receiver locations are expected to range from 50.6 to 57.3 dBA L_{max}. Appendix 9.3 includes the detailed noise dBA L_{max} model inputs used to estimate the Project Buildout operational noise levels presented in this section.

TABLE 9-8: PHASE 2, WITH OVERLAY DAYTIME OPERATIONAL NOISE LEVELS

Noise Source[1]	Operational Noise Levels by Receiver Location (dBA L_{max})							
	R1	R2	R3	R4	R5	R6	R7	R8
Loading Dock Activity	51.1	48.9	50.9	50.6	50.4	53.9	57.1	52.0
Roof-Top Air Conditioning Units	43.9	39.7	44.2	39.2	38.5	36.2	34.9	31.6
Courtyard Activity	23.8	26.9	34.4	24.6	22.7	15.5	0.0	3.1
Drive-Through Speakerphone	34.8	35.3	36.0	36.6	36.2	42.2	41.9	37.7
Trash Enclosure Activity	42.5	43.7	52.0	43.5	43.4	41.6	37.9	34.2
Parking Lot Vehicle Movements	20.7	26.1	27.5	26.6	24.1	35.2	15.7	17.5
Truck Movements	28.7	27.0	28.9	29.5	28.1	30.8	32.9	28.9
Total (All Noise Sources)	**52.4**	**50.6**	**55.0**	**51.8**	**51.6**	**54.6**	**57.3**	**52.3**

[1] See Exhibit 9-A for the noise source locations. CadnaA noise model calculations are included in Appendix 9.3.

Table 9-9 shows the Phase 1 Project operational noise levels during the nighttime hours from 10:01 p.m. to 7:00 a.m. The nighttime hourly noise levels at the off-site receiver locations are expected to range from 50.4 to 57.2 dBA L_{max}.

9.8 PHASE 2, WITH OVERLAY SCENARIO OPERATIONAL NOISE LEVEL COMPLIANCE

To demonstrate compliance with local noise regulations, the Project-only operational noise levels are evaluated against exterior noise level thresholds based on the City of Perris exterior noise level standards at nearby noise-sensitive receiver locations. Table 9-10 shows that the operational noise levels associated with Phase 2, With Overlay Scenario will not exceed the City of Perris 80 dBA L_{max} daytime and 60 dBA L_{max} nighttime exterior noise standards at the nearest receiver locations. Therefore, the operational noise impacts are considered *less than significant* at the nearby noise-sensitive receiver locations. Note that receiver location R9 representing the Val Verde Elementary School will not exist with the Industrial Park Overlay. Therefore, the

operational noise impacts are considered *less than significant* at the nearby noise-sensitive receiver locations.

TABLE 9-9: PHASE 2, WITH OVERLAY NIGHTTIME OPERATIONAL NOISE LEVELS

Noise Source[1]	Operational Noise Levels by Receiver Location (dBA L_{max})							
	R1	R2	R3	R4	R5	R6	R7	R8
Loading Dock Activity	51.1	48.9	50.9	50.6	50.4	53.9	57.1	52.0
Roof-Top Air Conditioning Units	41.5	37.3	41.8	36.8	36.1	33.8	32.5	29.2
Courtyard Activity	19.8	23.0	30.5	20.6	18.7	11.5	0.0	0.0
Drive-Through Speakerphone	30.8	31.3	32.0	32.6	32.2	38.2	37.9	33.8
Trash Enclosure Activity	42.5	43.7	52.0	43.5	43.4	41.6	37.9	34.2
Parking Lot Vehicle Movements	20.7	26.1	27.5	26.6	24.1	35.2	15.7	17.5
Truck Movements	28.7	27.0	28.9	29.5	28.1	30.8	32.9	28.9
Total (All Noise Sources)	**52.1**	**50.4**	**54.8**	**51.6**	**51.4**	**54.4**	**57.2**	**52.2**

[1] See Exhibit 9-A for the noise source locations. CadnaA noise model calculations are included in Appendix 9.3.

TABLE 9-10: PHASE 2, WITH OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE

Receiver Location[1]	Land Use	Project Operational Noise Levels (dBA L_{max})[2]		Noise Level Standards (dBA L_{max})[3]		Noise Level Standards Exceeded?[4]	
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime
R1	Residential	52.4	52.1	80	60	No	No
R2	Residential	50.6	50.4	80	60	No	No
R3	Residential	55.0	54.8	80	60	No	No
R4	Residential	51.8	51.6	80	60	No	No
R5	Residential	51.6	51.4	80	60	No	No
R6	Residential	54.6	54.4	80	60	No	No
R7	Residential	57.3	57.2	80	60	No	No
R8	Residential	52.3	52.2	80	60	No	No

[1] See Exhibit 8-A for the receiver locations.
[2] Proposed Project operational noise levels as shown on Tables 9-8 and 9-9.
[3] Exterior noise level standards per the City of Perris Municipal Code, sections 7.34.040 (Appendix 3.1).
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
[5] Val Verde Elementary School does not include any noise sensitive nighttime receivers.
"Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

Table 9-11 includes the evening and nighttime adjustments made to the operational noise levels during the applicable hours to convert the hourly operational noise levels (L_{eq}) to 24-hour CNELs. Table 9-11 indicates that the 24-hour noise levels associated with Phase 2, With Overlay Scenario at the nearest receiver locations are expected to range from 50.9 to 56.8 dBA CNEL.

TABLE 9-11: PHASE 2, WITH OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE (CNEL)

Receiver Location[1]	Land Use	Project Operational Noise Levels[2]			Exterior Noise Level Standards (CNEL)[3]	Noise Level Standards Exceeded?[4]
		Daytime (dBA L_{eq})	Nighttime (dBA L_{eq})	24-Hour (CNEL)		
R1	Residential	47.0	46.1	52.7	60	No
R2	Residential	44.9	44.3	51.0	60	No
R3	Residential	50.5	50.1	56.8	60	No
R4	Residential	45.5	45.1	51.8	60	No
R5	Residential	45.2	44.8	51.5	60	No
R6	Residential	46.9	46.8	53.4	60	No
R7	Residential	49.3	49.2	55.9	60	No
R8	Residential	44.4	44.3	50.9	60	No

[1] See Exhibit 8-A for the receiver locations.
[2] Proposed Project operational noise level calculations are included in Appendix 9.4.
[3] City of Perris General Plan Noise Element Implementation Measure V.A.1
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
[5] Val Verde Elementary School does not include any noise sensitive nighttime receivers.
"Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

The Project-related operational noise levels shown on Table 9-11 will not exceed the City of Perris 60 dBA CNEL exterior noise level standards at the nearest receiver locations. The 24-hour noise level calculations are included in Appendix 9.4.

9.9 PHASE 2, WITH OVERLAY OPERATIONAL NOISE LEVEL INCREASES

To describe the Project operational noise level increases, the Project operational noise levels are combined with the existing ambient noise levels measurements for the nearby receiver locations potentially impacted by Project operational noise sources. As indicated on Tables 9-12, the Project will generate a daytime operational noise level increase ranging from 0.0 to 0.8 dBA L_{eq} at the nearest receiver locations. Table 9-13 shows that the Project will generate a nighttime operational noise increase ranging from 0.1 to 1.5 dBA L_{eq} at the nearest receiver locations. The Project-related operational noise level increases will satisfy the operational noise level increase significance criteria presented on Table 4-1. Therefore, the incremental Project operational noise level increase is considered *less than significant* at all receiver locations.

TABLE 9-12: PHASE 2, WITH OVERLAY DAYTIME PROJECT NOISE INCREASES (LEQ)

Receiver Location[1]	Land Use	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	Residential	47.0	L1	67.2	67.2	0.0	Yes	1.5	No
R2	Residential	44.9	L2	66.7	66.7	0.0	Yes	1.5	No
R3	Residential	50.5	L3	64.2	64.4	0.2	Yes	5.0	No
R4	Residential	45.5	L4	54.7	55.2	0.5	Yes	5.0	No
R5	Residential	45.2	L4	54.7	55.2	0.5	Yes	5.0	No
R6	Residential	46.9	L5	65.0	65.1	0.1	Yes	1.5	No
R7	Residential	49.3	L7	56.5	57.3	0.8	Yes	5.0	No
R8	Residential	44.4	L8	58.6	58.8	0.2	Yes	5.0	No

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project daytime operational noise levels as shown on Table 9-11.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.

TABLE 9-13: PHASE 2, WITH OVERLAY NIGHTTIME PROJECT NOISE INCREASES (LEQ)

Receiver Location[1]	Land Use	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	Residential	46.1	L1	63.9	64.0	0.1	Yes	5.0	No
R2	Residential	44.3	L2	61.8	61.9	0.1	Yes	5.0	No
R3	Residential	50.1	L3	62.1	62.4	0.3	Yes	5.0	No
R4	Residential	45.1	L4	51.3	52.2	0.9	Yes	5.0	No
R5	Residential	44.8	L4	51.3	52.2	0.9	Yes	5.0	No
R6	Residential	46.8	L5	59.0	59.3	0.3	Yes	5.0	No
R7	Residential	49.2	L7	53.2	54.7	1.5	Yes	5.0	No
R8	Residential	44.3	L8	55.0	55.4	0.4	Yes	5.0	No

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project nighttime operational noise levels as shown on Table 9-11.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed nighttime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.
[8] Val Verde Elementary School does not include any noise sensitive nighttime receivers.

9.10 PHASE 2, WITHOUT OVERLAY OPERATIONAL NOISE LEVELS

Using the reference noise levels to represent the proposed Phase 2, Without Overlay Scenario operations, Urban Crossroads, Inc. calculated the operational source noise levels that are expected to be generated at the Project site and the Project-related noise level increases that would be experienced at each of the sensitive receiver locations. Table 9-14 shows Phase 2, Without Overlay Scenario operational noise levels during the daytime hours from 7:01 a.m. to 10:00 p.m. Phase 2, Without Overlay Scenario daytime hourly noise levels at the off-site receiver locations are expected to range from 50.6 to 62.0 dBA L_{max}. Appendix 9.5 includes the detailed noise dBA L_{max} model inputs used to estimate the Project Buildout operational noise levels presented in this section.

TABLE 9-14: PHASE 2, WITHOUT OVERLAY DAYTIME OPERATIONAL NOISE LEVELS

Noise Source[1]	Operational Noise Levels by Receiver Location (dBA L_{max})								
	R1	R2	R3	R4	R5	R6	R7	R8	R9
Loading Dock Activity	51.1	48.9	50.9	50.6	50.4	53.9	57.1	52.0	61.9
Roof-Top Air Conditioning Units	43.9	39.7	44.2	39.2	38.5	36.2	34.9	31.6	32.6
Courtyard Activity	23.8	26.9	34.4	24.6	22.7	15.5	0.0	3.1	0.0
Drive-Through Speakerphone	34.8	35.3	36.0	36.6	36.2	42.2	41.9	37.7	40.2
Trash Enclosure Activity	42.5	43.7	52.0	43.5	43.4	41.6	37.9	34.2	36.3
Parking Lot Vehicle Movements	20.7	26.1	27.5	26.6	24.1	35.2	15.7	17.5	17.9
Truck Movements	28.7	27.0	28.9	29.5	28.1	30.8	32.9	28.9	37.5
Total (All Noise Sources)	**52.4**	**50.6**	**55.0**	**51.8**	**51.6**	**54.6**	**57.3**	**52.3**	**62.0**

[1] See Exhibit 9-A for the noise source locations. CadnaA noise model calculations are included in Appendix 9.5.

Table 9-15 shows Phase 2, Without Overlay Scenario operational noise levels during the nighttime hours from 10:01 p.m. to 7:00 a.m. The nighttime hourly noise levels at the off-site nighttime noise sensitive receiver locations are expected to range from 50.4 to 57.3 dBA L_{max}. The nighttime noise would be 61.9 dBA L_{max} at the Val Verde Elementary School, which is not a nighttime noise sensitive use.

TABLE 9-15: PHASE 2, WITHOUT OVERLAY NIGHTTIME OPERATIONAL NOISE LEVELS

Noise Source[1]	Operational Noise Levels by Receiver Location (dBA L_{max})								
	R1	R2	R3	R4	R5	R6	R7	R8	R9
Loading Dock Activity	51.1	48.9	50.9	50.6	50.4	53.9	57.1	52.0	61.9
Roof-Top Air Conditioning Units	41.5	37.3	41.8	36.8	36.1	33.8	32.5	29.2	30.2
Courtyard Activity	19.8	23.0	30.5	20.6	18.7	11.5	0.0	0.0	0.0
Drive-Through Speakerphone	30.8	31.3	32.0	32.6	32.2	38.2	37.9	33.8	36.3
Trash Enclosure Activity	42.5	43.7	52.0	43.5	43.4	41.6	37.9	34.2	36.3
Parking Lot Vehicle Movements	20.7	26.1	27.5	26.6	24.1	35.2	15.7	17.5	17.9
Truck Movements	28.7	27.0	28.9	29.5	28.1	30.8	32.9	28.9	37.5
Total (All Noise Sources)	**52.1**	**50.4**	**54.8**	**51.6**	**51.4**	**54.4**	**57.2**	**52.2**	**61.9**

[1] See Exhibit 9-A for the noise source locations. CadnaA noise model calculations are included in Appendix 9.5.

9.11 PHASE 2, WITHOUT OVERLAY SCENARIO OPERATIONAL NOISE LEVEL COMPLIANCE

To demonstrate compliance with local noise regulations, the Project-only operational noise levels are evaluated against exterior noise level thresholds based on the City of Perris exterior noise level standards at nearby noise-sensitive receiver locations. Table 9-16 shows that the operational noise levels associated with Phase 2, Without Overlay Scenario will not exceed the City of Perris 80 dBA L_{max} daytime and 60 dBA L_{max} nighttime exterior noise level standards at the nearest receiver locations. Therefore, the operational noise impacts are considered *less than significant* at the nearby noise-sensitive receiver locations.

Note that receiver location R9 representing the Val Verde Elementary School does not include any existing nighttime noise sensitive uses. Therefore, the operational noise impacts are considered *less than significant* at the nearby noise-sensitive receiver locations.

Table 9-17 includes the evening and nighttime adjustments made to the operational noise levels during the applicable hours to convert the hourly operational noise levels (L_{eq}) to 24-hour CNELs. Table 9-17 indicates that the 24-hour noise levels associated with the Phase 2, Without Overlay Scenario at the nearest receiver locations are expected to range from 50.9 to 56.8 dBA CNEL.

TABLE 9-16: PHASE 2, WITHOUT OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE

Receiver Location[1]	Land Use	Project Operational Noise Levels (dBA L_{max})[2]		Noise Level Standards (dBA L_{max})[3]		Noise Level Standards Exceeded?[4]	
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime
R1	Residential	52.4	52.1	80	60	No	No
R2	Residential	50.6	50.4	80	60	No	No
R3	Residential	55.0	54.8	80	60	No	No
R4	Residential	51.8	51.6	80	60	No	No
R5	Residential	51.6	51.4	80	60	No	No
R6	Residential	54.6	54.4	80	60	No	No
R7	Residential	57.3	57.2	80	60	No	No
R8	Residential	52.3	52.2	80	60	No	No
R9	School	62.0	61.9	80	-[5]	No	No

[1] See Exhibit 8-A for the receiver locations.
[2] Proposed Project operational noise levels as shown on Tables 9-14 and 9-15.
[3] Exterior noise level standards per the City of Perris Municipal Code, sections 7.34.040 (Appendix 3.1).
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
[5] Val Verde Elementary School does not include any noise sensitive nighttime receivers.
"Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

TABLE 9-17: PHASE 2, WITHOUT OVERLAY OPERATIONAL NOISE LEVEL COMPLIANCE (CNEL)

Receiver Location[1]	Land Use	Project Operational Noise Levels[2]			Exterior Noise Level Standards (CNEL)[3]	Noise Level Standards Exceeded?[4]
		Daytime (dBA L_{eq})	Nighttime (dBA L_{eq})	24-Hour (CNEL)		
R1	Residential	47.0	46.1	52.7	60	No
R2	Residential	44.9	44.3	51.0	60	No
R3	Residential	50.5	50.1	56.8	60	No
R4	Residential	45.5	45.1	51.8	60	No
R5	Residential	45.2	44.8	51.5	60	No
R6	Residential	46.9	46.8	53.4	60	No
R7	Residential	49.3	49.2	55.9	60	No
R8	Residential	44.4	44.2	50.9	60	No
R9	School	53.9	-[5]	-[5]	-[5]	No

[1] See Exhibit 8-A for the receiver locations.
[2] Proposed Project operational noise level calculations are included in Appendix 9.6.
[3] City of Perris General Plan Noise Element Implementation Measure V.A.1
[4] Do the estimated Project operational noise source activities exceed the noise level standards?
[5] Val Verde Elementary School does not include any noise sensitive nighttime receivers.
"Daytime" = 7:01 a.m. to 10:00 p.m.; "Nighttime" = 10:01 p.m. to 7:00 a.m.

Since CNEL noise criteria is used to describe the noise sensitive time periods during the evening and night hours when noise can become more intrusive, the CNEL calculations are limited to the noise sensitive residential receiver locations R1 to R8. Receiver location R9 representing the Val Verde Elementary School does not include any noise sensitive nighttime receivers. The Project-related operational noise levels shown on Table 9-17 will not exceed the City of Perris 60 dBA CNEL exterior noise level standards at the nearest receiver locations. The 24-hour noise level calculations are included in Appendix 9.6.

9.12 PHASE 2, WITHOUT OVERLAY OPERATIONAL NOISE LEVEL INCREASES

To describe the Project operational noise level increases, the Project operational noise levels are combined with the existing ambient noise levels measurements for the nearby receiver locations potentially impacted by Project operational noise sources. As indicated on Tables 9-18, the Project will generate a daytime operational noise level increase ranging from 0.0 to 4.0 dBA L_{eq} at the nearest receiver locations. Table 9-19 shows that the Project will generate a nighttime operational noise increase ranging from 0.1 to 1.5 dBA L_{eq} at the nearest receiver locations. The Project-related operational noise level increases will satisfy the operational noise level increase significance criteria presented on Table 4-1. Therefore, the incremental Project operational noise level increase is considered *less than significant* at all receiver locations.

9.13 OPERATIONAL VIBRATION IMPACTS

The Project operational vibration impacts will include heavy trucks moving on site to and from the loading dock areas. Truck vibration levels are dependent on vehicle characteristics, load, speed, and pavement conditions. According to the FTA *Transit Noise Impact and Vibration Assessment* trucks rarely create vibrations that exceed 70 VdB (0.0032 PPV in/sec) (unless there are bumps due to frequent potholes in the road). Since the trucks transiting on site will be travelling at very low speeds on smooth surfaces, it is expected that delivery truck vibration impacts at nearby receiver locations will satisfy the vibration perceptibility threshold of 0.3 PPV in/sec and therefore, will be *less than significant*.

TABLE 9-18: PHASE 2, WITHOUT OVERLAY DAYTIME PROJECT NOISE INCREASES (LEQ)

Receiver Location[1]	Land Use	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	Residential	47.0	L1	67.2	67.2	0.0	Yes	1.5	No
R2	Residential	44.9	L2	66.7	66.7	0.0	Yes	1.5	No
R3	Residential	50.5	L3	64.2	64.4	0.2	Yes	5.0	No
R4	Residential	45.5	L4	54.7	55.2	0.5	Yes	5.0	No
R5	Residential	45.2	L4	54.7	55.2	0.5	Yes	5.0	No
R6	Residential	46.9	L5	65.0	65.1	0.1	Yes	1.5	No
R7	Residential	49.3	L7	56.5	57.3	0.8	Yes	5.0	No
R8	Residential	44.4	L8	58.6	58.8	0.2	Yes	5.0	No
R9	School	53.9	L6	52.1	56.1	4.0	Yes	5.0	No

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project daytime operational noise levels as shown on Table 9-5.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.

TABLE 9-19: PHASE 2, WITHOUT OVERLAY NIGHTTIME PROJECT NOISE INCREASES (LEQ)

Receiver Location[1]	Land Use	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	Residential	46.1	L1	63.9	64.0	0.1	Yes	5.0	No
R2	Residential	44.3	L2	61.8	61.9	0.1	Yes	5.0	No
R3	Residential	50.1	L3	62.1	62.4	0.3	Yes	5.0	No
R4	Residential	45.1	L4	51.3	52.2	0.9	Yes	5.0	No
R5	Residential	44.8	L4	51.3	52.2	0.9	Yes	5.0	No
R6	Residential	46.8	L5	59.0	59.3	0.3	Yes	5.0	No
R7	Residential	49.2	L7	53.2	54.7	1.5	Yes	5.0	No
R8	Residential	44.2	L8	55.0	55.3	0.3	Yes	5.0	No
R9	School	-[8]	L6	48.1	-[8]	-[8]	-[8]	-[8]	-[8]

[1] See Exhibit 8-A for the receiver locations.
[2] Total Project nighttime operational noise levels as shown on Table 9-5.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed nighttime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.
[8] Val Verde Elementary School does not include any noise sensitive nighttime receivers.

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10 CONSTRUCTION IMPACTS

This section analyzes potential impacts resulting from the short-term construction activities associated with the development of the Project. Exhibit 10-A presents the construction noise source locations in relation to the nearest sensitive receiver locations previously described in Section 8. To prevent high levels of construction noise from impacting noise-sensitive land uses, City of Perris Municipal Code Section 7.34.060 limits construction activities to the hours of 7:00 a.m. to 7:00 p.m. on any day except Sundays and legal holidays (with the exception of Columbus Day and Washington's birthday).

10.1 CONSTRUCTION NOISE LEVELS

The FTA *Transit Noise and Vibration Impact Assessment Manual* recognizes that construction projects are accomplished in several different stages and outlines the procedures for assessing noise impacts during construction. Each stage has a specific equipment mix, depending on the work to be completed during that stage. As a result of the equipment mix, each stage has its own noise characteristics; some stages have higher continuous noise levels than others, and some have higher impact noise levels than others. The Project construction activities are expected to occur in the following stages:

- Demolition/Crushing
- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

10.2 CONSTRUCTION REFERENCE NOISE LEVELS

To describe construction noise activities, this construction noise analysis was prepared using reference construction equipment noise levels from the Federal Highway Administration (FHWA)-published Roadway Construction Noise Model (RCNM), which includes a national database of construction equipment reference noise emission levels. (29) The RCNM equipment database, provides a comprehensive list of the noise generating characteristics for specific types of construction equipment. In addition, the database provides an acoustical usage factor to estimate the fraction of time each piece of construction equipment is operating at full power (i.e., its loudest condition) during a construction operation. Consistent with FTA guidance for detailed construction noise assessment, Table 10-1 presents the combined noise levels for the loudest construction activities expected for each stage, assuming all equipment operates at the same time.

EXHIBIT 10-A: CONSTRUCTION NOISE SOURCE LOCATIONS

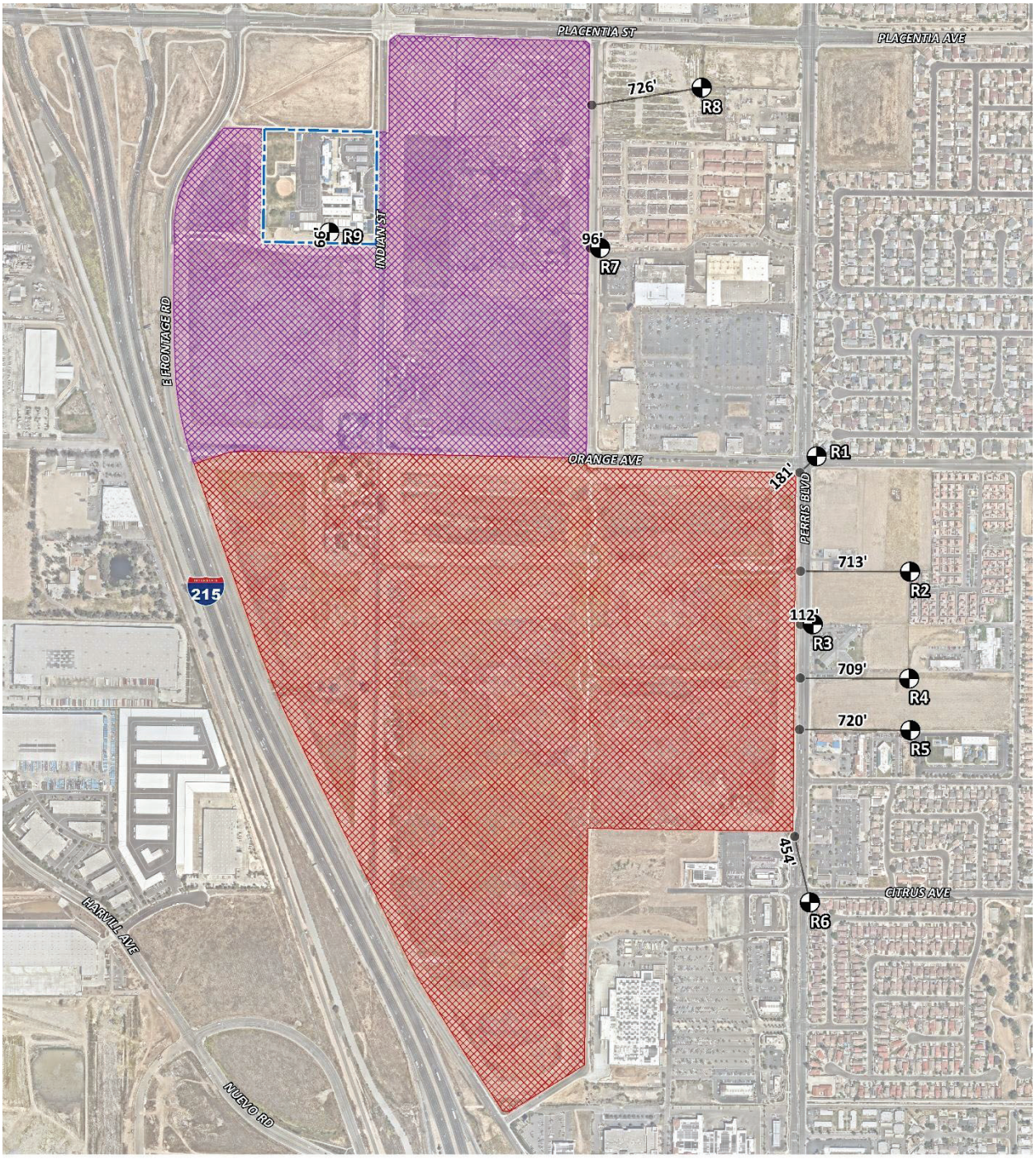


TABLE 10-1: CONSTRUCTION REFERENCE NOISE LEVELS

Construction Stage	Construction Activity	Reference Noise Level @ 50 Feet[1]		Highest Reference Noise Level (dBA L_{max})	Combined Reference Noise Level (dBA L_{eq})
		(dBA L_{max})	(dBA L_{eq})		
Demolition/ Crushing	Front End Loader	79	75	90	87
	Excavator	81	77		
	Concrete Saw	90	83		
	Impact Hammer (hoe ram)	90	83		
Site Preparation	Front End Loader	79	75	82	80
	Dozer	82	78		
Grading	Grader	85	81	85	85
	Excavator	81	77		
	Dozer	82	78		
	Scraper	84	80		
	Front End Loader	79	75		
	Drill Rig Truck	79	72		
Building Construction	Gradall Forklift	83	79	84	84
	Generator	81	78		
	Crane	81	73		
	Welder/Torch	74	70		
	Tractor	84	80		
Paving	Paver	77	74	90	84
	Pavement Scarifier	90	83		
	Roller	80	73		
Arch. Coating	Compressor (air)	78	74	78	74

[1] FHWA's Roadway Construction Noise Model, January 2006.

10.3 PHASE 1 CONSTRUCTION NOISE ANALYSIS

Construction activities are best evaluated as mobile sources since these activities tend to vary considerably, not only as the speed and power of the equipment varies, but also as the equipment constantly changes in terms of its distance from the receivers and its relative location. (30) Construction projects involve various stages, and activities frequently shift from one location to another. For example, during the initial stages, noise-generating activities might concentrate in one area, and then move to another section as construction progresses.

Using the reference RCNM L_{max} and L_{eq} construction equipment noise levels and the CadnaA noise prediction model, calculations of the Project construction noise level impacts at the nearby sensitive receiver locations were completed. To account for the dynamic nature of construction activities, the CadnaA construction noise analysis evaluates the noise source activities as multiple moving point sources or work crews within the limits of construction for each stage of construction activity.

Construction impacts are based on the highest noise level calculated at each receiver location. Table 10-2 shows that the Phase 1 construction noise levels are expected to range from 54.2 to 65.5 dBA L_{max} at the nearby receiver locations. Appendix 10.1 includes the detailed CadnaA Phase 1 construction noise model inputs.

TABLE 10-2: PHASE 1 CONSTRUCTION NOISE LEVEL SUMMARY

Receiver Location[1]	Highest Construction Noise Levels (dBA L_{max})						
	Demolition/ Crushing	Site Preparation	Grading	Building Construction	Paving	Arch. Coating	**Highest Levels[2]**
R1	62.2	54.2	56.2	56.2	62.2	50.2	62.2
R2	60.2	52.2	54.2	54.2	60.2	48.2	60.2
R3	65.5	57.5	59.5	59.5	65.5	53.5	65.5
R4	60.5	52.5	54.5	54.5	60.5	48.5	60.5
R5	60.3	52.3	54.3	54.3	60.3	48.3	60.3
R6	60.8	52.8	54.8	54.8	60.8	48.8	60.8
R7	58.1	50.1	52.1	52.1	58.1	46.1	58.1
R8	54.2	46.2	48.2	48.2	54.2	42.2	54.2
R9	57.4	49.4	51.4	51.4	57.4	45.4	57.4

[1] Construction noise source and receiver locations are shown on Exhibit 10-A.

[2] Construction noise level calculations based on distance from the construction activity area to nearby receiver locations. CadnaA construction noise model inputs are included in Appendix 10.1.

10.4 PHASE 1 CONSTRUCTION NOISE LEVEL COMPLIANCE

To demonstrate compliance with local noise regulations, the Phase 1 construction noise levels are evaluated against exterior noise level thresholds established by Section 7.34.060 of City of Perris Municipal Code at the adjacent property line. As shown on Table 10-3, the estimated Phase 1 construction noise levels at the adjacent noise sensitive receiver locations will satisfy the 80 dBA L_{max} construction noise level standard. Therefore, the noise impact due to Project construction activities is considered *less than significant* at all receiver locations.

TABLE 10-3: PHASE 1 CONSTRUCTION NOISE LEVEL COMPLIANCE

Receiver Location[1]	Construction Noise Levels (dBA L_{max})		
	Highest Construction Noise Levels[2]	Threshold[3]	Threshold Exceeded?[4]
R1	62.2	80	No
R2	60.2	80	No
R3	65.5	80	No
R4	60.5	80	No
R5	60.3	80	No
R6	60.8	80	No
R7	58.1	80	No
R8	54.2	80	No
R9	57.4	80	No

[1] Construction noise source and receiver locations are shown on Exhibit 10-A.
[2] Highest construction noise level calculations based on distance from the construction noise source activity to nearby receiver locations as shown on Table 10-2.
[3] Construction noise level thresholds are limited to the noise sensitive receiver locations (Section 3.5).
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?

10.5 PHASE 1 CONSTRUCTION NOISE LEVEL INCREASES

To describe the Phase 1 Project construction noise level contributions to the existing ambient noise environment, the Project construction noise levels were combined with the existing ambient noise levels measurements at the nearest off-site receiver locations. The difference between the combined Project-construction and ambient noise levels is used to describe the construction noise level increase.

Temporary noise level increases that would be experienced at sensitive receiver locations when Project construction-source noise is added to the ambient daytime conditions are presented on Table 10-4. A temporary noise level increase of 12 dBA is considered a *potentially significant* impact based on Caltrans' substantial noise level increase criteria. (20) Appendix 10.2 includes the CadnaA daytime dBA L_{eq} off-site Phase 1 construction noise calculations.

TABLE 10-4: PHASE 1 DAYTIME CONSTRUCTION NOISE LEVEL INCREASES

Receiver Location[1]	Total Project Construction Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	59.1	L1	67.2	67.8	0.6	Yes	12	No
R2	57.1	L2	66.7	67.2	0.5	Yes	12	No
R3	62.4	L3	64.2	66.4	2.2	Yes	12	No
R4	57.4	L4	54.7	59.3	4.6	Yes	12	No
R5	57.2	L4	54.7	59.1	4.4	Yes	12	No
R6	57.7	L5	65.0	65.7	0.7	Yes	12	No
R7	55.0	L7	56.5	58.8	2.3	Yes	12	No
R8	51.1	L8	58.6	59.3	0.7	Yes	12	No
R9	54.3	L6	52.1	56.3	4.2	Yes	12	No

[1] Construction noise source and receiver locations are shown on Exhibit 10-A
[2] Total Project daytime dBA Leq construction noise level calculations are included in Appendix 10.2.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project construction activities.
[6] The noise level increase expected with the addition of the proposed Project construction activities.
[7] Caltrans Traffic Noise Analysis Protocol.

As indicated in Table 10-4, the Project will contribute Phase 1 construction noise increases ranging from 0.5 to 4.6 dBA L_{eq} during the daytime hours at the nearest receiver locations. The unmitigated construction noise analysis shows that the nearest receiver locations will not exceed Caltrans *substantial* 12 dBA L_{eq} noise increase significance threshold during Project Phase 1 construction activities. The temporary construction noise increase analysis shows that the noise impacts due to Project construction noise are considered *less than significant*.

10.6 PHASE 2, WITH OVERLAY CONSTRUCTION NOISE ANALYSIS

Using the reference RCNM L_{max} and L_{eq} construction equipment noise levels and the CadnaA noise prediction model, calculations of the Project construction noise level impacts at the nearby sensitive receiver locations were completed. To account for the dynamic nature of construction activities, the CadnaA construction noise analysis evaluates the noise source activities as multiple moving point sources or work crews within the limits of construction for each stage of construction activity.

Construction impacts are based on the highest noise level calculated at each receiver location. Table 10-5 shows that Phase 2, With Overlay construction noise levels are expected to range from 58.3 to 64.7 dBA L_{max} at the nearby receiver locations. Appendix 10.3 includes the detailed CadnaA Phase 2, With Overlay construction noise model inputs.

TABLE 10-5: PHASE 2, WITH OVERLAY CONSTRUCTION NOISE LEVEL SUMMARY

Receiver Location[1]	Highest Construction Noise Levels (dBA L_{max})						
	Demolition/ Crushing	Site Preparation	Grading	Building Construction	Paving	Arch. Coating	**Highest Levels[2]**
R1	61.0	53.0	55.0	55.0	61.0	49.0	61.0
R2	58.8	50.8	52.8	52.8	58.8	46.8	58.8
R3	63.8	55.8	57.8	57.8	63.8	51.8	63.8
R4	58.9	50.9	52.9	52.9	58.9	46.9	58.9
R5	58.7	50.7	52.7	52.7	58.7	46.7	58.7
R6	59.1	51.1	53.1	53.1	59.1	47.1	59.1
R7	64.7	56.7	58.7	58.7	64.7	52.7	64.7
R8	58.3	50.3	52.3	52.3	58.3	46.3	58.3

[1] Construction noise source and receiver locations are shown on Exhibit 10-A.
[2] Construction noise level calculations based on distance from the construction activity area to nearby receiver locations. CadnaA construction noise model inputs are included in Appendix 10.3.

10.7 PHASE 2, WITH OVERLAY CONSTRUCTION NOISE LEVEL COMPLIANCE

To demonstrate compliance with local noise regulations, Phase 2, With Overlay construction noise levels are evaluated against exterior noise level thresholds established by Section 7.34.060 of City of Perris Municipal Code at the adjacent property line. As shown on Table 10-3, the estimated Phase 2, With Overlay construction noise levels at the adjacent noise sensitive receiver locations will satisfy the 80 dBA L_{max} construction noise level standard. Note that receiver location R9 representing the Val Verde Elementary School will not exist with the Industrial Park Overlay. Therefore, the noise impact due to Project construction activities is considered *less than significant* at all receiver locations.

TABLE 10-6: PHASE 2, WITH OVERLAY CONSTRUCTION NOISE LEVEL COMPLIANCE

Receiver Location[1]	Construction Noise Levels (dBA L_{max})		
	Highest Construction Noise Levels[2]	Threshold[3]	Threshold Exceeded?[4]
R1	61.0	80	No
R2	58.8	80	No
R3	63.8	80	No
R4	58.9	80	No
R5	58.7	80	No
R6	59.1	80	No
R7	64.7	80	No
R8	58.3	80	No

[1] Construction noise source and receiver locations are shown on Exhibit 10-A.
[2] Highest construction noise level calculations based on distance from the construction noise source activity to nearby receiver locations as shown on Table 10-5.
[3] Construction noise level thresholds are limited to the noise sensitive receiver locations (Section 3.5).
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?

10.8 PHASE 2, WITH OVERLAY CONSTRUCTION NOISE LEVEL INCREASES

To describe Phase 2, With Overlay Project construction noise level contributions to the existing ambient noise environment, the Project construction noise levels were combined with the existing ambient noise levels measurements at the nearest off-site receiver locations. The difference between the combined Project-construction and ambient noise levels is used to describe the construction noise level increase.

Temporary noise level increases that would be experienced at sensitive receiver locations when Project construction-source noise is added to the ambient daytime conditions are presented on Table 10-7. A temporary noise level increase of 12 dBA is considered a *potentially significant* impact based on Caltrans' substantial noise level increase criteria. (20) Appendix 10.4 includes the CadnaA daytime dBA L_{eq} off-site Phase 2 With Overlay construction noise calculations.

TABLE 10-7: PHASE 2, WITH OVERLAY DAYTIME CONSTRUCTION NOISE LEVEL INCREASES

Receiver Location[1]	Total Project Construction Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	57.9	L1	67.2	67.7	0.5	Yes	12	No
R2	55.7	L2	66.7	67.0	0.3	Yes	12	No
R3	60.7	L3	64.2	65.8	1.6	Yes	12	No
R4	55.8	L4	54.7	58.3	3.6	Yes	12	No
R5	55.6	L4	54.7	58.2	3.5	Yes	12	No
R6	56.0	L5	65.0	65.5	0.5	Yes	12	No
R7	61.6	L7	56.5	62.8	6.3	Yes	12	No
R8	55.2	L8	58.6	60.2	1.6	Yes	12	No

[1] Construction noise source and receiver locations are shown on Exhibit 10-A
[2] Total Project daytime dBA Leq construction noise level calculations are included in Appendix 10.2.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project construction activities.
[6] The noise level increase expected with the addition of the proposed Project construction activities.
[7] Caltrans Traffic Noise Analysis Protocol.

As indicated in Table 10-7, the Project will contribute Phase 2, With Overlay construction noise increases ranging from 0.3 to 6.3 dBA L_{eq} during the daytime hours at the nearest receiver locations. The unmitigated construction noise analysis shows that the nearest receiver locations will not exceed the Caltrans *substantial* 12 dBA L_{eq} noise increase significance threshold during Phase 2, With Overlay construction activities. The temporary construction noise increase analysis shows that the noise impacts due to Project construction noise are considered *less than significant*.

10.9 PHASE 2, WITHOUT OVERLAY CONSTRUCTION NOISE ANALYSIS

Using the reference RCNM L_{max} and L_{eq} construction equipment noise levels and the CadnaA noise prediction model, calculations of the Project construction noise level impacts at the nearby sensitive receiver locations were completed. To account for the dynamic nature of construction activities, the CadnaA construction noise analysis evaluates the noise source activities as multiple moving point sources or work crews within the limits of construction for each stage of construction activity.

Construction impacts are based on the highest noise level calculated at each receiver location. Table 10-8 shows that Phase 2, Without Overlay construction noise levels are expected to range from 58.3 to 65.8 dBA L_{max} at the nearby receiver locations. Appendix 10.5 includes the detailed CadnaA construction noise model inputs.

TABLE 10-8: PHASE 2, WITHOUT OVERLAY CONSTRUCTION NOISE LEVEL SUMMARY

Receiver Location[1]	Highest Construction Noise Levels (dBA L_{max})						
	Demolition/ Crushing	Site Preparation	Grading	Building Construction	Paving	Arch. Coating	**Highest Levels[2]**
R1	61.1	53.1	55.1	55.1	61.1	49.1	61.1
R2	58.9	50.9	52.9	52.9	58.9	46.9	58.9
R3	63.9	55.9	57.9	57.9	63.9	51.9	63.9
R4	59.0	51.0	53.0	53.0	59.0	47.0	59.0
R5	58.8	50.8	52.8	52.8	58.8	46.8	58.8
R6	59.2	51.2	53.2	53.2	59.2	47.2	59.2
R7	64.8	56.8	58.8	58.8	64.8	52.8	64.8
R8	58.3	50.3	52.3	52.3	58.3	46.3	58.3
R9	65.8	57.8	59.8	59.8	65.8	53.8	65.8

[1] Construction noise source and receiver locations are shown on Exhibit 10-A.
[2] Construction noise level calculations based on distance from the construction activity area to nearby receiver locations. CadnaA construction noise model inputs are included in Appendix 10.1.

10.10 PHASE 2, WITHOUT OVERLAY CONSTRUCTION NOISE LEVEL COMPLIANCE

To demonstrate compliance with local noise regulations, the Phase 2, Without Overlay construction noise levels are evaluated against exterior noise level thresholds established by Section 7.34.060 of City of Perris Municipal Code at the adjacent property line. As shown on Table 10-9, the estimated Phase 2, Without Overlay construction noise levels at the adjacent noise sensitive receiver locations will satisfy the 80 dBA L_{max} construction noise level standard. Therefore, the noise impact due to Project construction activities is considered *less than significant* at all receiver locations.

TABLE 10-9: PHASE 2, WITHOUT OVERLAY CONSTRUCTION NOISE LEVEL COMPLIANCE

Receiver Location[1]	Construction Noise Levels (dBA L_{max})		
	Highest Construction Noise Levels[2]	Threshold[3]	Threshold Exceeded?[4]
R1	61.1	80	No
R2	58.9	80	No
R3	63.9	80	No
R4	59.0	80	No
R5	58.8	80	No
R6	59.2	80	No
R7	64.8	80	No
R8	58.3	80	No
R9	65.8	80	No

[1] Construction noise source and receiver locations are shown on Exhibit 10-A.
[2] Highest construction noise level calculations based on distance from the construction noise source activity to nearby receiver locations as shown on Table 10-2.
[3] Construction noise level thresholds are limited to the noise sensitive receiver locations (Section 3.5).
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?

10.11 PHASE 2, WITHOUT OVERLAY CONSTRUCTION NOISE LEVEL INCREASES

To describe Phase 2, Without Overlay Project construction noise level contributions to the existing ambient noise environment, the Project construction noise levels were combined with the existing ambient noise levels measurements at the nearest off-site receiver locations. The difference between the combined Project-construction and ambient noise levels is used to describe the construction noise level increase.

Temporary noise level increases that would be experienced at sensitive receiver locations when Project construction-source noise is added to the ambient daytime conditions are presented on Table 10-10. A temporary noise level increase of 12 dBA is considered a *potentially significant* impact based on Caltrans' substantial noise level increase criteria. (20) Appendix 10.6 includes the CadnaA daytime dBA L_{eq} off-site construction noise calculations.

TABLE 10-10: PHASE 2, WITHOUT OVERLAY DAYTIME CONSTRUCTION NOISE LEVEL INCREASES

Receiver Location[1]	Total Project Construction Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Noise Sensitive Land Use?	Increase Criteria[7]	Increase Criteria Exceeded?[7]
R1	58.0	L1	67.2	67.7	0.5	Yes	12	No
R2	55.8	L2	66.7	67.0	0.3	Yes	12	No
R3	60.8	L3	64.2	65.8	1.6	Yes	12	No
R4	55.9	L4	54.7	58.4	3.7	Yes	12	No
R5	55.7	L4	54.7	58.2	3.5	Yes	12	No
R6	56.1	L5	65.0	65.5	0.5	Yes	12	No
R7	61.7	L7	56.5	62.8	6.3	Yes	12	No
R8	55.2	L8	58.6	60.2	1.6	Yes	12	No
R9	62.7	L6	52.1	63.1	11.0	Yes	12	No

[1] Construction noise source and receiver locations are shown on Exhibit 10-A
[2] Total Project daytime dBA Leq construction noise level calculations are included in Appendix 10.2.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project construction activities.
[6] The noise level increase expected with the addition of the proposed Project construction activities.
[7] Caltrans Traffic Noise Analysis Protocol.

As indicated in Table 10-10, the Project will contribute Phase 2, Without Overlay construction noise increases ranging from 0.3 to 11.0 dBA L_{eq} during the daytime hours at the nearest receiver locations. The unmitigated construction noise analysis shows that the nearest receiver locations will not exceed the Caltrans *substantial* 12 dBA L_{eq} noise increase significance threshold during Project Phase 2, Without Overlay construction activities. The temporary construction noise increase analysis shows that the noise impacts due to Project construction noise are considered *less than significant*.

10.12 OFF-SITE CONSTRUCTION NOISE ANALYSIS

To support the Project development, there will be milling, trenching, and paving for off-site improvements associated with roadway construction and utility installation for the Project. As a part of the Phase 1 Development, the Project would vacate Indian Avenue from Orange Avenue to Frontage Road. The Project also includes the construction of new roadways: Daniela Way, which would provide access to the retail commercial site; and Private Drive A, which would provide access to the business park site. In addition, the following roadways would be improved as part of the Project: Perris Boulevard, Orange Avenue, Frontage Road, Indian Avenue, and Barrett Avenue. The off-site street/infrastructure improvements would utilize similar pieces of construction equipment as shown in Tables 10-1 and be constructed mostly within the existing public right-of-way (ROW) and within areas dedicated by the Project to the City's ROW.

It is expected that the off-site construction activities will not take place at any one location for more than several days due to the nature of the linear construction activity. The construction noise from this off-site work would, therefore, be relatively short-term and the noise levels would

be reduced as construction work moves linearly along the selected alignment and farther from sensitive uses. Table 10-11 presents the estimated Project-related off-site construction noise levels at distances ranging from 25 to 200 feet. At distances ranging from 25 to 200 feet, the off-site construction noise levels are estimated to range from 71.2 to 78.4 dBA L_{max}. Since the off-site construction activities will not exceed the 80 dBA L_{max} construction noise level standard, the noise impacts due to these off-site activities are considered *less than significant*. Appendix 10.7 includes the CadnaA off-site construction noise calculations.

TABLE 10-11: OFF-SITE CONSTRUCITON NOISE ANALYSIS

Distance From Construction (Feet)	Construction Noise Levels (dBA L_{max})		
	Construction Noise Levels[1]	Threshold[2]	Threshold Exceeded?[3]
25'	78.4	80	No
50'	76.3	80	No
100'	74.0	80	No
200'	71.2	80	No

[1] Based on the highest combined reference construction noise levels as shown on Table 10-1.
[2] City of Perris Municipal Code, Section 7.34.060 (Appendix 3.1).
[3] Do the estimated Project construction noise levels exceed the construction noise level threshold?

10.13 NIGHTTIME CONCRETE POUR NOISE ANALYSIS

It is our understanding that nighttime concrete pouring activities will occur as a part of Project building construction activities. Nighttime concrete pouring activities are often used to support reduced concrete truck transit times, continuous pour, and lower air temperatures than during the daytime hours, and are generally limited to the actual building pad and loading dock areas. Since the nighttime concrete pours will take place outside the permitted City of Perris Municipal Code Section 7.34.060 hours of 7:00 a.m. to 7:00 p.m. on any day except Sundays and legal holidays (with the exception of Columbus Day and Washington's birthday), the Project Applicant will be required to obtain authorization for nighttime work from the City of Perris.

Table 10-12 shows the concrete pour activities noise levels will range from 50.9 to 55.9 dBA L_{max} at the nearby receiver locations when conservatively measured from the Project site boundary. With prior authorization from the City of Perris, the nighttime concrete pour activities will satisfy the 60 dBA L_{max} operational noise level standard in Section 7.34.040. Therefore, the nighttime concrete pour noise levels are considered *less than significant* at the nearby noise-sensitive receiver locations. Appendix 10.8 includes the CadnaA nighttime concrete pour noise calculations.

TABLE 10-12: NIGHTTIME CONCRETE POUR NOISE LEVEL COMPLIANCE

Receiver Location[1]	Construction Noise Levels (dBA L_{max})		
	Exterior Noise Levels[2]	Threshold[3]	Threshold Exceeded?[4]
R1	53.1	60	No
R2	50.9	60	No
R3	55.9	60	No
R4	51.0	60	No
R5	50.8	60	No
R6	51.2	60	No
R7	56.8	60	No
R8	50.3	60	No
R9	57.8	-[5]	-[5]

[1] Noise receiver locations are shown on Exhibit 10-A.
[2] Nighttime Concrete Pour noise model inputs are included in Appendix 10.4.
[3] City of Perris Municipal Code, Section 7.34.040 (Appendix 3.1).
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?
[5] Val Verde Elementary School does not include any noise sensitive nighttime receivers.

10.14 CONSTRUCTION VIBRATION ANALYSIS

Construction activity can result in varying degrees of ground vibration, depending on the equipment and methods employed, distance to the affected structures, and soil type. Construction vibration is generally associated with pile driving and rock blasting. However, no pile driving, or rock blasting activities are planned for the Project. It is expected that ground-borne vibration from Project construction activities would cause only intermittent, localized intrusion. The operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Ground vibration levels associated with various types of construction equipment are summarized on Table 10-13. Based on the representative vibration levels presented for various construction equipment types, it is possible to estimate the potential for building damage using the following vibration assessment methods defined by the FTA. To describe the vibration impacts the FTA provides the following equation: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$

TABLE 10-13: VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT

Equipment	PPV (in/sec) at 25 feet
Small bulldozer	0.003
Jackhammer	0.035
Loaded Trucks	0.076
Large bulldozer	0.089
Vibratory Roller	0.210

Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual

Using the vibration source level of construction equipment provided on Table 10-13 and the construction vibration assessment methodology published by the FTA, it is possible to estimate the Project vibration building damage impacts. Table 10-14 presents the expected Project related vibration levels. At distances ranging from 66 to 726 feet from the limits of construction activities to the nearest residential receiver locations, construction vibration velocity levels are estimated to be between 0.001 and 0.049 PPV (in/sec). Based on maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec), the typical Project construction vibration levels will fall below the building damage thresholds at all the nearest residential receiver locations. Therefore, the Project-related vibration impacts are considered *less than significant* during typical construction activities at the Project site. In addition, the typical construction vibration levels are unlikely to be sustained during the entire construction period but will occur rather only during the times that heavy construction equipment is operating.

TABLE 10-14: CONSTRUCTION EQUIPMENT VIBRATION LEVELS

Location[1]	Distance to Const. Activity (Feet)[2]	Typical Construction Vibration Levels PPV (in/sec)[3]						Thresholds PPV (in/sec)[4]	Thresholds Exceeded?[5]
		Small bulldozer	Jackhammer	Loaded Trucks	Large bulldozer	Vibratory Roller	Highest Vibration Level		
R1	181'	0.000	0.002	0.004	0.005	0.011	0.011	0.3	No
R2	713'	0.000	0.000	0.000	0.001	0.001	0.001	0.3	No
R3	112'	0.000	0.004	0.008	0.009	0.022	0.022	0.3	No
R4	709'	0.000	0.000	0.001	0.001	0.001	0.001	0.3	No
R5	720'	0.000	0.000	0.000	0.001	0.001	0.001	0.3	No
R6	454'	0.000	0.000	0.001	0.001	0.003	0.003	0.3	No
R7	96'	0.000	0.005	0.010	0.012	0.028	0.028	0.3	No
R8	726'	0.000	0.000	0.000	0.001	0.001	0.001	0.3	No
R9	66'	0.001	0.008	0.018	0.021	0.049	0.049	0.3	No

[1] Construction noise source and receiver locations are shown on Exhibit 10-A.
[2] Distance from receiver building facade to Project construction boundary (Project site boundary).
[3] Based on the Vibration Source Levels of Construction Equipment (Table 10-13).
[4] Caltrans Transportation and Construction Vibration Guidance Manual, April 2020, Table 19, p. 38.
[5] Does the peak vibration exceed the acceptable vibration thresholds?
"PPV" = Peak Particle Velocity

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12 CERTIFICATION

The contents of this noise study report represent an accurate depiction of the noise environment and impacts associated with the proposed Harvest Landing Retail Center & Business Park Project. The information contained in this noise study report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 584-3148.

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EDUCATION

Master of Science in Civil and Environmental Engineering
California Polytechnic State University, San Luis Obispo • December, 1993

Bachelor of Science in City and Regional Planning
California Polytechnic State University, San Luis Obispo • June, 1992

PROFESSIONAL REGISTRATIONS

PE – Registered Professional Traffic Engineer – TR 2537 • January, 2009
AICP – American Institute of Certified Planners – 013011 • June, 1997–January 1, 2012
PTP – Professional Transportation Planner • May, 2007 – May, 2013
INCE – Institute of Noise Control Engineering • March, 2004

PROFESSIONAL AFFILIATIONS

ASA – Acoustical Society of America
ITE – Institute of Transportation Engineers

PROFESSIONAL CERTIFICATIONS

Certified Acoustical Consultant – County of San Diego • March, 2018
Certified Acoustical Consultant – County of Orange • February, 2011
FHWA-NHI-142051 Highway Traffic Noise Certificate of Training • February, 2013

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APPENDIX 3.1:

CITY OF PERRIS MUNICIPAL CODE CHAPTER 7.34

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CHAPTER 7.34. - NOISE CONTROL

Sec. 7.34.010. - Declaration of policy.

Excessive noise levels are detrimental to the health and safety of individuals. Noise is considered a public nuisance, and the city discourages unnecessary, excessive or annoying noises from all sources. Creating, maintaining, causing, or allowing to be created, caused or maintained, any noise or vibration in a manner prohibited by the provisions of the ordinance codified in this chapter is a public nuisance and shall be punishable as a misdemeanor.

(Code 1972, § 7.34.010; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.020. - Definitions.

(a) *General.* The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Ambient noise means the all-encompassing noise associated with a given environment usually being composed of sounds from many sources near and far. For the purpose of this chapter, ambient noise level is the level obtained when the noise level is averaged over a period of five minutes without inclusion of noise from isolated identifiable sources at the location and time of day near that at which a comparison is to be made.

Decibel (dB) means an intensity unit which denotes the ratio between two quantities which are proportional to power; the number of decibels corresponding to the ratio is ten times the common logarithm of this ratio.

Sound amplifying equipment means any machine or device for the amplification of the human voice, music or any other sound. The term "sound amplifying equipment" does not include standard vehicle radios when used and heard only by the occupants of the vehicle in which the vehicle radio is installed. The term "sound amplifying equipment," as used in this chapter, does not include warning devices on any vehicle used only for traffic safety purposes and shall not include communications equipment used by public or private utilities when restoring utility service following a public emergency or when doing work required to protect person or property from an imminent exposure to danger.

Sound level (noise level) in decibels is the value of a sound measurement using the "A" weighting network of a sound level meter. Slow response of the sound level meter needle shall be used except where the sound is impulsive or rapidly varying in nature, in which case, fast response shall be used.

Sound level meter means an instrument, including a microphone, an amplifier, an output meter and frequency weighting networks, for the measurement of sound levels, which satisfies the pertinent requirements in American National Standards Institute's specification S1.4-1971 or the most recent revision for type S-2A general purpose sound level meters.

(b) *Supplementary definitions of technical terms.* Definitions of technical terms not defined in this section shall be obtained from the American National Standards Institute's Acoustical Terminology S1-1971 or the most recent revision thereof.

(Code 1972, § 7.34.020; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.030. - Measurement methods.

(a) Sound shall be measured with a sound level meter as defined in section 7.34.020.

(b) Unless otherwise provided, outdoor measurements shall be taken with the microphone located at any point on the property line of the noise source but no closer than five feet from any wall or vertical obstruction and three to five feet above ground level whenever possible.

(c) Unless otherwise provided, indoor measurements shall be taken inside the structure with the microphone located at any point as follows:

(1) No less than three feet above floor level;

(2) No less than five feet from any wall or vertical obstruction; and

(3) Not under common possession and control with the building or portion of the building from which the sound is emanating.

(Code 1972, § 7.34.030; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.040. - Sound amplification.

No person shall amplify sound using sound amplifying equipment contrary to any of the following:

(1) The only amplified sound permitted shall be either music or the human voice, or both.

(2) The volume of amplified sound shall not exceed the noise levels set forth in this subsection when measured outdoors at or beyond the property line of the property from which the sound emanates.

Time Period	Maximum Noise Level
10:01 p.m.—7:00 a.m.	60 dBA
7:01 a.m.—10:00 p.m.	80 dBA

(Code 1972, § 7.34.040; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.050. - General prohibition.

(a) It unlawful for any person to willfully make, cause or suffer, or permit to be made or caused, any loud excessive or offensive noises or sounds which unreasonably disturb the peace and quiet of any residential neighborhood or which are physically annoying to persons of ordinary sensitivity or which are so harsh, prolonged or unnatural or unusual in their use, time or place as to occasion physical discomfort to the inhabitants of the city, or any section thereof. The standards for dBA noise level in section 7.34.040 shall apply to this section. To the extent that the noise created causes the noise level at the property line to exceed the ambient noise level by more than 1.0 decibels, it shall be presumed that the noise being created also is in violation of this section.

(b) The characteristics and conditions which should be considered in determining whether a violation of the provisions of this section exists should include, but not be limited to, the following:

(1) The level of the noise;

(2) Whether the nature of the noise is usual or unusual;

(3) Whether the origin of the noise is natural or unnatural;

(4) The level of the ambient noise;

(5) The proximity of the noise to sleeping facilities;

(6) The nature and zoning of the area from which the noise emanates and the area where it is received;

(7) The time of day or night the noise occurs;

(8) The duration of the noise; and

(9) Whether the noise is recurrent, intermittent or constant.

(Code 1972, § 7.34.050; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.060. - Construction noise.

It is unlawful for any person between the hours of 7:00 p.m. of any day and 7:00 a.m. of the following day, or on a legal holiday, with the exception of Columbus Day and Washington's birthday, or on Sundays to erect, construct, demolish, excavate, alter or repair any building or structure in such a manner as to create disturbing, excessive or offensive noise. Construction activity shall not exceed 80 dBA in residential zones in the city.

(Code 1972, § 7.34.060; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.070. - Refuse vehicles and parking lot sweepers.

No person shall operate or permit to be operated a refuse compacting, processing or collection vehicle or parking lot sweeper between the hours of 7:00 p.m. to 7:00 a.m. in any residential area unless a permit has been applied for and granted by the city.

(Code 1972, § 7.34.070; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.080. - Disturbing, excessive, offensive noises; declaration of certain acts constituting.

The following activities, among others, are declared to cause loud, disturbing, excessive or offensive noises in violation of this section and are unlawful, namely:

(1) *Horns, signaling devices, etc.* Unnecessary use or operation of horns, signaling devices or other similar devices on automobiles, motorcycles or any other vehicle.

(2) *Radios, television sets, phonographs, loud speaking amplifiers and similar devices.* The use or operation of any sound production or reproduction device, radio receiving set, musical instrument, drums, phonograph, television set, loudspeakers, sound amplifier, or other similar machine or device for the producing or reproducing of sound, in such a manner as to disturb the peace, quiet or comfort of any reasonable person of normal sensitivity in any area of the city is prohibited. This provision shall not apply to any participant in a licensed parade or to any person who has been otherwise duly authorized by the city to engage in such conduct.

(3) *Animals.*

a. The keeping or maintenance, or the permitting to be kept or maintained, upon any premises owned, occupied or controlled by any person of any animal or animals which by any frequent or long-continued noise shall cause annoyance or discomfort to a reasonable person of normal sensitiveness

in the vicinity.

b. The noise from any such animal or animals that disturbs two or more residents residing in separate residences adjacent to any part of the property on which the subject animal or animals are kept or maintained, or three or more residents residing in separate residences in close proximity to the property on which the subject animal or animals are kept or maintained, shall be prima facie evidence of a violation of this section.

(4) *Hospitals, schools, libraries, rest homes, long-term medical or mental care facilities.* To make loud, disturbing, excessive noises adjacent to a hospital, school, library, rest home or long-term medical or mental care facility, which noise unreasonably interferes with the workings of such institutions or which disturbs or unduly annoys occupants in said institutions.

(5) *Playing of radios on buses and trolleys.* The operation of any radio, phonograph or tape player on an urban transit bus or trolley so as to emit noise that is audible to any other person in the vehicle is prohibited.

(6) *Playing of radios, phonographs and other sound production or reproduction devices in public parks and public parking lots and streets adjacent thereto.* The operation of any radio, phonograph, television set or any other sound production or reproduction device in any public park or any public parking lot, or street adjacent to such park or beach, without the prior written approval of the city manager or the administrator, in such a manner that such radio, phonograph, television set or sound production or reproduction device emits a sound level exceeding those found in the table in section 7.34.040.

(7) *Leaf blowers.*

a. The term "leaf blower" means any portable, hand-held or backpack, engine-powered device with a nozzle that creates a directable airstream which is capable of and intended for moving leaves and light materials.

b. No person shall operate a leaf blower in any residential zoned area between the hours of 7:00 p.m. and 8:00 a.m. on weekdays and 5:00 p.m. and 9:00 a.m. on weekends or on legal holidays.

c. No person may operate any leaf blower at a sound level in excess of 80 decibels measured at a distance of 50 feet or greater from the point of noise origin.

d. Leaf blowers shall be equipped with functional mufflers and an approved sound limiting device required to ensure that the leaf blower is not capable of generating a sound level exceeding any limit prescribed in this section.

(Code 1972, § 7.34.080; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.090. - Burglar alarms.

(a) Audible burglar alarms for structures or motor vehicles are prohibited unless the operation of such burglar alarm can be terminated within 20 minutes of being activated.

(b) Notwithstanding the requirements of this provision, any member of the county sheriff's department, Perris Division, shall have the right to take such steps as may be reasonable and necessary to disconnect any such alarm installed in any building, dwelling or motor vehicle at any time during the period of its activation. On or after 30 days from the effective date of the ordinance codified in this chapter, any building, dwelling or motor vehicle upon which a burglar alarm has been installed shall prominently display the telephone number at which communication may be made with the owner of such building, dwelling or motor vehicle.

(Code 1972, § 7.34.090; Ord. No. 1082, § 2(part), 2000)

Sec. 7.34.100. - Motor vehicles.

(a) Off-highway.

(1) Except as otherwise provided for in this chapter, it shall be unlawful to operate any motor vehicle of any type on any site, other than on a public street or highway as defined in the California Vehicle Code, in any manner so as to cause noise in excess of those noise levels permitted for on-highway motor vehicles as specified in the table for "45-mile-per-hour or less speed limits" contained in section 23130 of the California Vehicle Code and as corrected for distances set forth in subsection (a)(2) of this section.

(2) The maximum noise level as the on-highway vehicle passes may be measured at a distance of other than 50 feet from the centerline of travel, provided the measurement is further adjusted by adding algebraically the application correction as follows:

Distance (feet)	Correction (decibels)
25	−6
28	−5
32	−4
35	−3
40	−2
45	−1
50 (preferred distance)	0
56	+1
63	+2
70	+3
80	+4
90	+5

100	+6

(b) Nothing in this section shall apply to authorized emergency vehicles when being used in emergency situations including the blowing of sirens and/or horns.

(Code 1972, § 7.34.100; Ord. No. 1082, § 2(part), 2000)

APPENDIX 5.1:

STUDY AREA PHOTOS

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JN:15605



15605_L1_A 1.North
33, 48' 56.690000", 117, 13' 32.220000"



15605_L1_A 2.South
33, 48' 56.560000", 117, 13' 32.050000"



15605_L1_A 3.East
33, 48' 56.580000", 117, 13' 32.000000"



15605_L1_A 4.West
33, 48' 56.580000", 117, 13' 32.050000"



15605_L2_B 1.North
33, 48' 56.160000", 117, 13' 22.990000"



15605_L2_B 2.South
33, 48' 56.160000", 117, 13' 22.910000"



15605_L2_B 3.East
33, 48' 56.160000", 117, 13' 22.660000"



15605_L2_B 4.West
33, 48' 56.160000", 117, 13' 22.880000"



15605_L3_C 1.North
33, 48' 44.770000", 117, 13' 32.050000"



15605_L3_C 2.South
33, 48' 43.320000", 117, 13' 33.180000"



15605_L3_C 3.East
33, 48' 43.320000", 117, 13' 33.180000"



15605_L3_C 4.West
33, 48' 43.350000", 117, 13' 33.210000"

JN:15605



15605_L4_E 1.North
33, 48' 39.550000", 117, 13' 25.650000"



15605_L4_E 2.South
33, 48' 39.530000", 117, 13' 25.680000"



15605_L4_E 3.East
33, 48' 39.360000", 117, 13' 25.710000"



15605_L4_E 4.West
33, 48' 39.340000", 117, 13' 25.740000"

JN:15605



15605_L5_G 1.North
33, 48' 29.950000", 117, 13' 30.740000"



15605_L5_G 2.South
33, 48' 29.880000", 117, 13' 30.790000"



15605_L5_G 3.East
33, 48' 29.810000", 117, 13' 30.790000"



15605_L5_G 4.West
33, 48' 29.800000", 117, 13' 30.790000"

JN:15605



15605_L6_H 1.North
33, 49' 9.100000", 117, 14' 6.720000"



15605_L6_H 2.South
33, 49' 9.090000", 117, 14' 6.720000"



15605_L6_H 3.East
33, 49' 9.030000", 117, 14' 6.720000"



15605_L6_H 4.West
33, 49' 9.050000", 117, 14' 6.740000"

JN:15605



15605_L7_I 1.North
33, 49' 8.910000", 117, 13' 46.610000"



15605_L7_I 2.South
33, 49' 8.880000", 117, 13' 46.610000"



15605_L7_I 3.East
33, 49' 9.050000", 117, 13' 46.500000"



15605_L7_I 4.West
33, 49' 9.030000", 117, 13' 46.560000"



15605_L8_J 1.North
33, 49' 11.460000", 117, 13' 36.340000"



15605_L8_J 2.South
33, 49' 13.030000", 117, 13' 36.830000"



15605_L8_J 3.East
33, 49' 12.880000", 117, 13' 36.890000"



15605_L8_J 4.West
33, 49' 12.920000", 117, 13' 36.890000"



15605_L9_K 1.North
33, 48' 56.600000", 117, 14' 6.390000"



15605_L9_K 2.South
33, 48' 56.650000", 117, 14' 6.410000"



15605_L9_K 3.East
33, 48' 56.650000", 117, 14' 6.390000"



15605_L9_K 4.West
33, 48' 56.650000", 117, 14' 6.690000"

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APPENDIX 5.2:

NOISE LEVEL MEASUREMENT WORKSHEETS

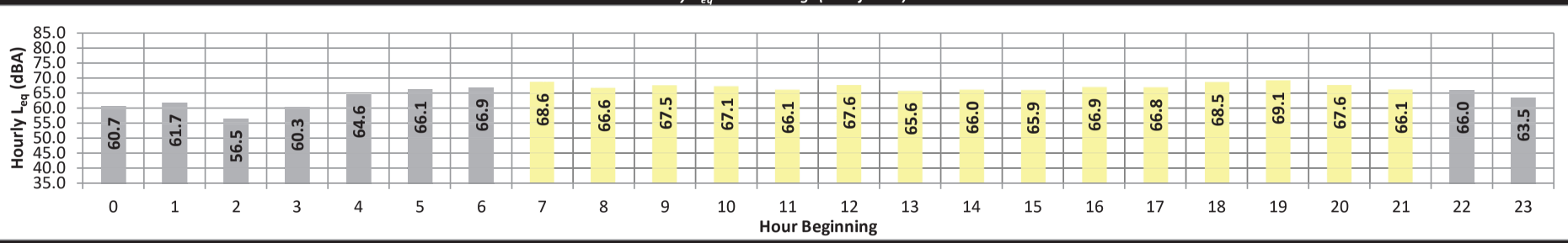
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24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L1 - Located northeast of the site near the residence at 25 *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* Whirlaway St. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	60.7	70.4	47.1	70.0	69.4	67.8	66.3	60.4	54.8	49.3	48.3	47.4	60.7	10.0	70.7
	1	61.7	71.7	42.8	71.5	71.1	69.8	68.4	59.8	54.0	44.6	43.7	43.0	61.7	10.0	71.7
	2	56.5	67.3	44.1	66.9	66.2	63.6	61.9	55.6	50.0	45.1	44.5	44.2	56.5	10.0	66.5
	3	60.3	70.7	45.8	70.3	69.6	67.3	65.8	59.8	54.3	47.1	46.4	45.9	60.3	10.0	70.3
	4	64.6	74.6	52.5	74.0	73.2	71.0	69.4	64.8	60.9	54.5	53.5	52.7	64.6	10.0	74.6
	5	66.1	75.7	54.7	75.2	74.4	72.3	71.0	66.3	62.5	56.5	55.5	54.8	66.1	10.0	76.1
	6	66.9	76.4	56.7	75.9	75.1	73.0	71.4	66.9	64.0	58.7	57.8	56.9	66.9	10.0	76.9
Day	7	68.6	77.1	58.4	76.7	76.0	74.1	73.0	69.6	65.8	60.8	59.7	58.6	68.6	0.0	68.6
	8	66.6	75.0	55.8	74.7	74.2	72.5	71.1	67.4	63.9	58.2	57.1	56.1	66.6	0.0	66.6
	9	67.5	78.6	55.1	78.2	77.4	74.2	70.9	66.9	63.3	57.4	56.3	55.4	67.5	0.0	67.5
	10	67.1	78.5	54.9	77.7	76.7	73.5	71.4	66.4	62.8	57.2	56.1	55.2	67.1	0.0	67.1
	11	66.1	74.8	55.1	74.5	73.9	72.2	70.9	66.3	62.9	57.4	56.3	55.4	66.1	0.0	66.1
	12	67.6	78.8	56.5	78.3	77.4	74.2	71.8	66.6	63.5	58.7	57.5	56.7	67.6	0.0	67.6
	13	65.6	73.4	56.1	73.0	72.6	71.2	70.1	66.3	63.2	58.5	57.4	56.3	65.6	0.0	65.6
	14	66.0	75.3	55.2	74.6	73.7	72.2	70.7	66.3	62.9	57.6	56.4	55.4	66.0	0.0	66.0
	15	65.9	74.5	56.0	73.9	73.2	71.5	70.2	66.4	63.3	58.3	57.1	56.2	65.9	0.0	65.9
	16	66.9	76.9	56.9	76.4	75.7	73.0	71.1	66.7	64.1	59.2	58.1	57.1	66.9	0.0	66.9
	17	66.8	75.4	57.4	74.9	74.3	72.5	71.1	67.1	64.2	60.0	58.7	57.6	66.8	0.0	66.8
	18	68.5	79.6	57.9	79.1	78.1	75.1	72.5	67.6	64.8	60.2	59.1	58.1	68.5	0.0	68.5
	19	69.1	80.6	57.6	79.9	79.2	76.2	73.4	67.8	64.6	59.6	58.8	57.9	69.1	5.0	74.1
	20	67.6	78.6	55.2	77.9	77.1	74.6	72.6	66.5	63.3	57.8	56.6	55.4	67.6	5.0	72.6
	21	66.1	75.5	53.6	74.9	74.0	72.0	70.8	66.6	63.2	56.4	55.1	53.8	66.1	5.0	71.1
Night	22	66.0	75.6	53.0	75.3	74.8	73.2	71.7	65.3	61.3	55.1	54.0	53.2	66.0	10.0	76.0
	23	63.5	74.0	50.4	73.6	72.7	70.5	68.6	63.1	59.1	52.1	51.3	50.6	63.5	10.0	73.5

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	65.6	73.4	53.6	73.0	72.6	71.2	70.1	66.3	62.8	56.4	55.1	53.8
	Max	69.1	80.6	58.4	79.9	79.2	76.2	73.4	69.6	65.8	60.8	59.7	58.6
Energy Average		67.2	Average:		76.3	75.6	73.3	71.5	67.0	63.7	58.5	57.3	56.3
Night	Min	56.5	67.3	42.8	66.9	66.2	63.6	61.9	55.6	50.0	44.6	43.7	43.0
	Max	66.9	76.4	56.7	75.9	75.1	73.2	71.7	66.9	64.0	58.7	57.8	56.9
Energy Average		63.9	Average:		72.5	71.8	69.8	68.3	62.5	57.9	51.5	50.6	49.9

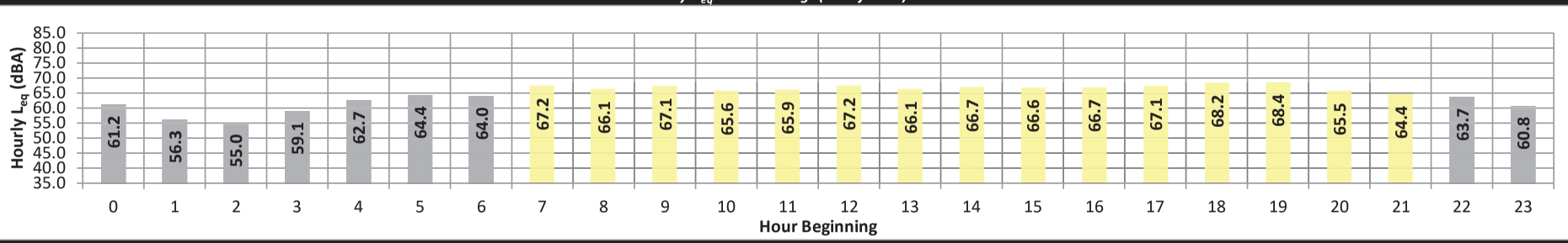
24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
71.5	**67.2**	**63.9**

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L2 - Located east of the site near the residence at 130 Camden *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* Ct. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	61.2	72.6	42.1	72.3	71.8	69.7	67.2	58.0	51.7	43.5	42.8	42.2	61.2	10.0	71.2
	1	56.3	66.7	42.1	66.5	66.0	63.7	61.6	55.5	49.7	43.2	42.5	42.1	56.3	10.0	66.3
	2	55.0	66.9	40.0	66.5	65.7	62.8	60.5	52.1	45.3	40.6	40.3	40.1	55.0	10.0	65.0
	3	59.1	69.5	43.2	69.3	68.9	66.8	64.8	58.2	51.7	44.1	43.6	43.3	59.1	10.0	69.1
	4	62.7	72.7	47.6	72.3	71.6	69.7	68.2	62.5	57.3	49.4	48.5	47.7	62.7	10.0	72.7
	5	64.4	73.8	50.2	73.5	73.1	71.0	69.4	64.9	59.8	52.2	51.0	50.3	64.4	10.0	74.4
	6	64.0	72.6	50.3	72.3	71.8	70.3	69.1	64.8	60.6	52.7	51.4	50.4	64.0	10.0	74.0
Day	7	67.2	75.0	55.0	74.7	74.2	72.5	71.5	68.5	64.9	57.4	56.2	55.2	67.2	0.0	67.2
	8	66.1	74.5	53.0	74.2	73.8	72.0	70.7	67.0	63.3	55.6	54.1	53.1	66.1	0.0	66.1
	9	67.1	77.8	53.1	77.4	76.5	73.5	71.1	67.0	63.1	56.1	54.6	53.4	67.1	0.0	67.1
	10	65.6	74.2	51.0	73.9	73.3	71.6	70.5	66.3	62.2	54.2	52.7	51.3	65.6	0.0	65.6
	11	65.9	74.5	52.5	74.2	73.6	71.7	70.5	66.8	63.0	55.8	54.0	52.8	65.9	0.0	65.9
	12	67.2	77.2	53.7	76.7	75.8	73.1	71.2	67.7	64.2	56.5	55.0	53.8	67.2	0.0	67.2
	13	66.1	74.3	52.9	74.0	73.5	71.7	70.5	67.2	63.6	55.2	54.1	53.1	66.1	0.0	66.1
	14	66.7	76.2	52.4	75.8	75.0	72.9	71.3	67.1	63.4	55.3	53.8	52.6	66.7	0.0	66.7
	15	66.6	75.2	52.6	74.8	74.2	72.3	70.9	67.4	64.0	55.8	54.0	52.8	66.6	0.0	66.6
	16	66.7	75.4	54.1	74.9	74.2	72.0	70.7	67.8	64.4	56.8	55.5	54.4	66.7	0.0	66.7
	17	67.1	75.3	55.5	75.0	74.3	72.5	71.3	68.1	65.1	58.1	56.9	55.7	67.1	0.0	67.1
	18	68.2	79.4	55.9	78.3	77.1	73.7	71.7	68.4	65.0	58.1	57.0	56.1	68.2	0.0	68.2
	19	68.4	79.3	55.0	78.9	78.1	74.9	72.7	67.7	64.3	57.6	56.3	55.1	68.4	5.0	73.4
	20	65.5	74.8	52.6	74.4	73.7	71.4	70.0	66.2	62.3	54.7	53.5	52.7	65.5	5.0	70.5
	21	64.4	73.8	49.6	73.4	72.8	70.7	69.2	65.2	60.2	51.9	50.5	49.7	64.4	5.0	69.4
Night	22	63.7	75.4	46.3	74.9	74.0	70.8	68.6	62.3	56.6	48.3	47.2	46.6	63.7	10.0	73.7
	23	60.8	71.2	43.8	70.8	70.1	67.8	66.2	60.8	54.2	46.0	44.9	44.0	60.8	10.0	70.8

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	64.4	73.8	49.6	73.4	72.8	70.7	69.2	65.2	60.2	51.9	50.5	49.7
	Max	68.4	79.4	55.9	78.9	78.1	74.9	72.7	68.5	65.1	58.1	57.0	56.1
Energy Average		66.7	Average:		75.4	74.7	72.4	70.9	67.2	63.5	55.9	54.5	53.5
Night	Min	55.0	66.7	40.0	66.5	65.7	62.8	60.5	52.1	45.3	40.6	40.3	40.1
	Max	64.4	75.4	50.3	74.9	74.0	71.0	69.4	64.9	60.6	52.7	51.4	50.4
Energy Average		61.8	Average:		70.9	70.3	68.1	66.2	59.9	54.1	46.7	45.8	45.2

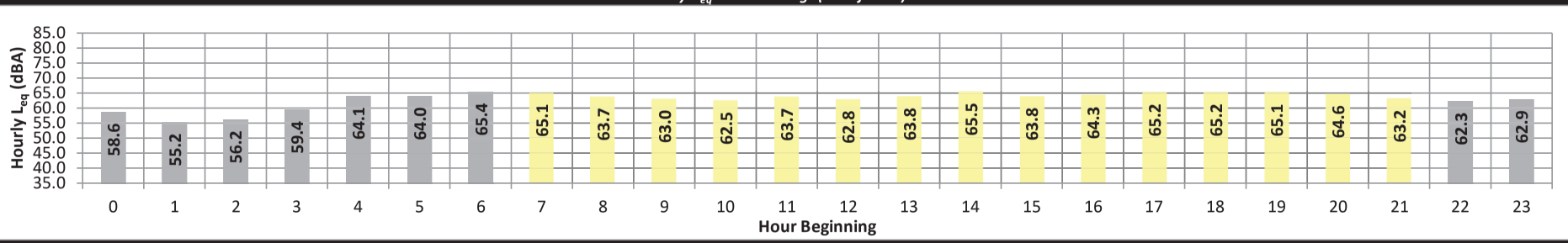
24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
69.9	66.7	61.8

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L3 - Located east of the site near the Centinela Grand *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* Retirement Home at 2225 Medical Center Dr. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	58.6	68.9	45.7	68.3	67.4	65.0	63.4	58.9	54.1	47.3	46.5	45.9	58.6	10.0	68.6
	1	55.2	65.1	41.8	64.9	64.6	62.9	61.4	54.3	47.5	42.6	42.2	41.9	55.2	10.0	65.2
	2	56.2	65.8	41.4	65.6	65.2	63.4	61.7	56.2	50.1	42.3	41.9	41.5	56.2	10.0	66.2
	3	59.4	68.0	45.6	67.7	67.2	65.6	64.6	60.5	55.0	47.3	46.2	45.7	59.4	10.0	69.4
	4	64.1	72.7	50.9	72.3	71.9	70.1	68.9	65.1	60.7	53.0	52.0	51.2	64.1	10.0	74.1
	5	64.0	71.5	52.0	71.3	70.9	69.4	68.3	65.4	61.4	53.9	52.9	52.1	64.0	10.0	74.0
	6	65.4	72.4	53.4	72.2	71.8	70.5	69.6	66.9	63.4	56.3	54.8	53.7	65.4	10.0	75.4
Day	7	65.1	71.7	52.2	71.5	71.1	69.7	69.0	66.8	63.5	55.7	54.3	52.5	65.1	0.0	65.1
	8	63.7	71.1	50.0	70.8	70.4	68.9	68.0	65.0	61.7	53.4	51.6	50.3	63.7	0.0	63.7
	9	63.0	70.2	50.5	69.9	69.4	67.9	67.1	64.3	61.2	53.6	52.2	50.8	63.0	0.0	63.0
	10	62.5	69.2	51.4	68.9	68.4	67.1	66.4	63.9	61.0	54.2	52.8	51.6	62.5	0.0	62.5
	11	63.7	71.0	53.3	70.7	70.3	68.5	67.5	64.7	62.2	56.3	55.1	53.6	63.7	0.0	63.7
	12	62.8	70.3	52.5	70.0	69.4	67.5	66.3	63.9	61.4	55.6	54.2	52.7	62.8	0.0	62.8
	13	63.8	71.8	52.5	71.4	70.8	69.3	68.0	64.7	62.0	56.0	54.3	52.7	63.8	0.0	63.8
	14	65.5	77.0	54.3	76.1	75.2	71.1	68.7	64.8	62.4	57.0	55.8	54.4	65.5	0.0	65.5
	15	63.8	71.1	53.3	70.7	70.3	68.5	67.5	64.8	62.5	56.7	54.9	53.5	63.8	0.0	63.8
	16	64.3	70.1	55.7	69.8	69.4	68.2	67.5	65.5	63.5	58.4	57.1	55.9	64.3	0.0	64.3
	17	65.2	74.1	54.6	73.7	72.8	69.8	68.1	65.8	63.7	57.7	56.3	54.8	65.2	0.0	65.2
	18	65.2	72.8	55.1	72.4	71.9	69.7	68.6	66.0	63.9	58.4	56.8	55.3	65.2	0.0	65.2
	19	65.1	73.6	54.5	73.2	72.4	70.3	68.8	65.9	63.4	57.7	56.1	54.7	65.1	5.0	70.1
	20	64.6	72.8	53.5	72.4	71.6	69.3	68.1	65.9	63.0	56.1	54.8	53.7	64.6	5.0	69.6
	21	63.2	71.2	49.9	70.9	70.4	68.7	67.6	64.4	60.4	52.1	50.8	50.1	63.2	5.0	68.2
Night	22	62.3	72.6	47.0	72.2	71.5	68.8	67.0	62.2	58.2	49.6	48.2	47.2	62.3	10.0	72.3
	23	62.9	74.9	49.6	74.3	73.3	69.6	66.7	61.8	57.5	51.4	50.5	49.7	62.9	10.0	72.9

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	62.5	69.2	49.9	68.9	68.4	67.1	66.3	63.9	60.4	52.1	50.8	50.1
	Max	65.5	77.0	55.7	76.1	75.2	71.1	69.0	66.8	63.9	58.4	57.1	55.9
Energy Average		64.2	Average:		71.5	70.9	69.0	67.8	65.1	62.4	55.9	54.5	53.1
Night	Min	55.2	65.1	41.4	64.9	64.6	62.9	61.4	54.3	47.5	42.3	41.9	41.5
	Max	65.4	74.9	53.4	74.3	73.3	70.5	69.6	66.9	63.4	56.3	54.8	53.7
Energy Average		62.1	Average:		69.9	69.3	67.2	65.7	61.3	56.4	49.3	48.4	47.7

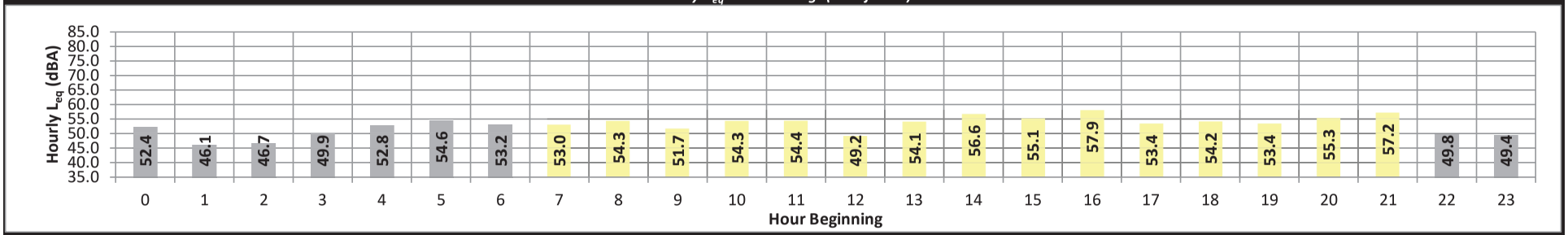
24-Hour CNEL	*Leq (dBA)* *Daytime (7am-10pm)*	*Nighttime (10pm-7am)*
69.3	**64.2**	**62.1**

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L4 - Located east of the site near the Perris Early Head Start at *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* 148 Avocado Av. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	52.4	59.9	45.4	59.7	59.4	58.5	57.4	52.3	49.2	46.2	45.9	45.5	52.4	10.0	62.4
	1	46.1	52.0	42.6	51.7	51.4	50.7	49.9	46.4	44.4	43.1	42.9	42.7	46.1	10.0	56.1
	2	46.7	52.8	42.5	52.5	52.0	50.9	49.9	47.4	45.3	43.1	42.9	42.6	46.7	10.0	56.7
	3	49.9	55.7	45.4	55.4	55.0	54.0	53.4	50.7	48.6	46.3	45.9	45.5	49.9	10.0	59.9
	4	52.8	57.8	48.5	57.5	57.0	56.2	55.7	53.8	51.9	49.5	49.1	48.6	52.8	10.0	62.8
	5	54.6	59.8	51.1	59.1	58.5	57.9	57.3	55.4	53.8	51.8	51.5	51.2	54.6	10.0	64.6
	6	53.2	58.3	51.0	57.8	57.1	56.0	55.3	53.6	52.6	51.4	51.2	51.1	53.2	10.0	63.2
Day	7	53.0	55.7	52.1	55.2	54.8	54.2	53.9	53.2	52.8	52.3	52.3	52.1	53.0	0.0	53.0
	8	54.3	61.9	50.6	61.3	60.7	59.2	58.1	54.8	51.8	50.9	50.8	50.7	54.3	0.0	54.3
	9	51.7	58.6	47.0	58.0	57.4	56.3	55.4	52.9	49.6	47.5	47.3	47.1	51.7	0.0	51.7
	10	54.3	61.4	46.4	61.1	60.7	59.8	59.1	55.2	51.5	47.5	47.0	46.5	54.3	0.0	54.3
	11	54.4	62.1	46.7	61.8	61.6	60.5	59.9	54.3	49.2	47.5	47.2	46.9	54.4	0.0	54.4
	12	49.2	54.0	46.6	53.7	53.2	52.0	51.4	49.7	48.6	47.2	47.0	46.7	49.2	0.0	49.2
	13	54.1	60.9	46.5	60.7	60.3	59.4	58.8	54.8	51.3	47.5	47.1	46.7	54.1	0.0	54.1
	14	56.6	65.9	48.3	65.5	65.2	63.6	62.4	55.3	51.2	49.0	48.7	48.4	56.6	0.0	56.6
	15	55.1	64.6	47.1	64.2	63.9	62.7	61.0	54.0	49.5	47.7	47.5	47.2	55.1	0.0	55.1
	16	57.9	62.0	53.3	61.8	61.6	61.1	60.6	59.0	57.4	54.5	54.0	53.4	57.9	0.0	57.9
	17	53.4	57.9	49.7	57.6	57.2	56.4	55.6	54.1	52.9	50.8	50.3	49.8	53.4	0.0	53.4
	18	54.2	59.5	50.1	59.1	58.7	57.8	56.7	54.8	53.4	51.2	50.8	50.2	54.2	0.0	54.2
	19	53.4	59.7	48.8	59.0	58.3	57.5	56.7	53.9	52.4	49.9	49.4	49.0	53.4	5.0	58.4
	20	55.3	60.7	49.2	60.4	60.0	59.3	58.7	56.3	54.4	50.6	50.0	49.4	55.3	5.0	60.3
	21	57.2	64.7	47.6	64.4	64.2	63.7	62.8	57.6	51.2	48.3	48.0	47.7	57.2	5.0	62.2
Night	22	49.8	54.0	47.0	53.7	53.3	52.7	52.2	50.5	48.9	47.6	47.3	47.1	49.8	10.0	59.8
	23	49.4	55.7	44.9	55.5	55.1	53.9	53.4	50.1	48.0	45.5	45.2	45.0	49.4	10.0	59.4

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	49.2	54.0	46.4	53.7	53.2	52.0	51.4	49.7	48.6	47.2	47.0	46.5
	Max	57.9	65.9	53.3	65.5	65.2	63.7	62.8	59.0	57.4	54.5	54.0	53.4
Energy Average		54.7	Average:		60.2	59.9	58.9	58.1	54.7	51.8	49.5	49.2	48.8
Night	Min	46.1	52.0	42.5	51.7	51.4	50.7	49.9	46.4	44.4	43.1	42.9	42.6
	Max	54.6	59.9	51.1	59.7	59.4	58.5	57.4	55.4	53.8	51.8	51.5	51.2
Energy Average		51.3	Average:		55.9	55.4	54.5	53.8	51.1	49.2	47.2	46.9	46.6

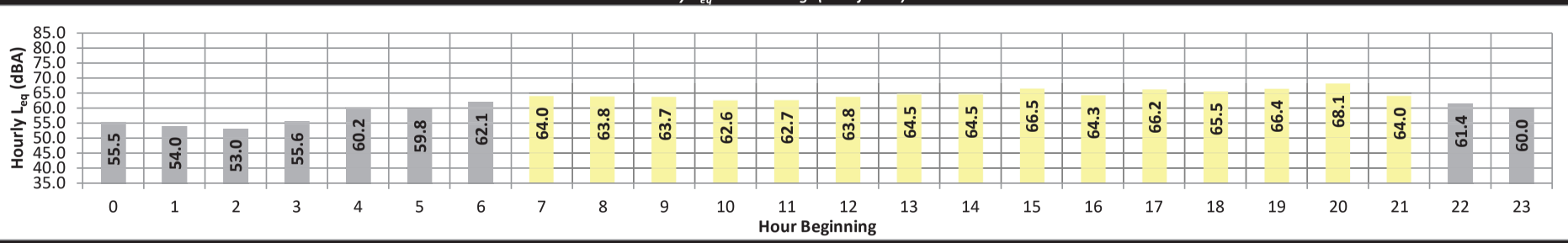
24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
59.0	54.7	51.3

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L5 - Located southeast of the site near the residence at 108 *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* Oaktree Dr. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	55.5	66.2	44.8	65.7	64.9	62.6	60.9	54.6	49.1	45.6	45.2	44.9	55.5	10.0	65.5
	1	54.0	66.0	42.0	65.5	64.7	62.2	59.6	49.5	45.1	42.7	42.4	42.1	54.0	10.0	64.0
	2	53.0	65.0	40.3	64.7	64.2	61.2	58.3	48.2	43.6	41.0	40.7	40.4	53.0	10.0	63.0
	3	55.6	66.6	44.8	66.3	65.8	63.2	61.0	53.2	48.6	45.6	45.2	44.9	55.6	10.0	65.6
	4	60.2	70.6	48.5	70.2	69.7	67.5	65.6	59.5	53.7	49.4	49.0	48.7	60.2	10.0	70.2
	5	59.8	69.7	47.2	69.4	68.9	66.6	65.1	59.5	54.1	48.3	47.7	47.3	59.8	10.0	69.8
	6	62.1	72.5	48.3	72.0	71.4	69.1	67.1	62.1	56.7	49.9	49.1	48.5	62.1	10.0	72.1
Day	7	64.0	74.6	51.4	74.3	73.5	70.8	68.5	63.8	59.5	53.1	52.3	51.6	64.0	0.0	64.0
	8	63.8	72.3	51.6	71.9	71.3	69.7	68.7	64.7	60.7	53.6	52.7	51.8	63.8	0.0	63.8
	9	63.7	74.3	49.9	73.8	72.9	70.2	68.5	63.8	58.9	52.1	50.9	50.1	63.7	0.0	63.7
	10	62.6	72.0	49.1	71.7	71.0	68.8	67.2	63.3	58.9	50.9	49.9	49.3	62.6	0.0	62.6
	11	62.7	72.1	51.0	71.7	71.0	68.8	67.4	63.2	58.7	52.7	51.9	51.1	62.7	0.0	62.7
	12	63.8	72.7	51.5	72.3	71.6	69.5	68.4	64.7	60.6	53.4	52.4	51.7	63.8	0.0	63.8
	13	64.5	73.3	52.2	73.0	72.5	70.7	68.9	65.1	61.6	54.8	53.4	52.3	64.5	0.0	64.5
	14	64.5	73.5	52.7	73.1	72.4	70.3	68.8	65.3	61.5	54.7	53.6	52.8	64.5	0.0	64.5
	15	66.5	78.1	52.2	77.5	76.6	73.0	70.5	65.8	61.9	54.3	53.1	52.4	66.5	0.0	66.5
	16	64.3	72.7	53.5	72.3	71.7	69.8	68.7	65.3	61.7	55.4	54.4	53.7	64.3	0.0	64.3
	17	66.2	76.5	54.3	75.9	75.1	71.8	70.5	66.3	62.6	56.1	55.1	54.4	66.2	0.0	66.2
	18	65.5	74.2	56.9	73.8	73.2	70.9	69.5	66.2	63.3	58.4	57.6	57.0	65.5	0.0	65.5
	19	66.4	76.2	56.7	75.9	75.3	72.5	70.4	66.4	63.3	58.0	57.3	56.8	66.4	5.0	71.4
	20	68.1	81.7	55.8	80.7	79.2	74.3	70.8	66.1	62.0	56.6	56.1	55.8	68.1	5.0	73.1
	21	64.0	73.3	54.3	72.8	72.2	70.0	68.6	64.7	60.4	55.2	54.8	54.4	64.0	5.0	69.0
Night	22	61.4	71.8	46.3	71.4	70.7	68.3	66.8	61.1	55.5	48.1	47.2	46.4	61.4	10.0	71.4
	23	60.0	72.5	44.2	72.0	70.9	67.4	64.7	57.4	51.2	45.5	44.9	44.3	60.0	10.0	70.0

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	62.6	72.0	49.1	71.7	71.0	68.8	67.2	63.2	58.7	50.9	49.9	49.3
	Max	68.1	81.7	56.9	80.7	79.2	74.3	70.8	66.4	63.3	58.4	57.6	57.0
Energy Average		65.0	Average:		74.1	73.3	70.7	69.0	65.0	61.1	54.6	53.7	53.0
Night	Min	53.0	65.0	40.3	64.7	64.2	61.2	58.3	48.2	43.6	41.0	40.7	40.4
	Max	62.1	72.5	48.5	72.0	71.4	69.1	67.1	62.1	56.7	49.9	49.1	48.7
Energy Average		59.0	Average:		68.6	67.9	65.3	63.2	56.1	50.8	46.2	45.7	45.3

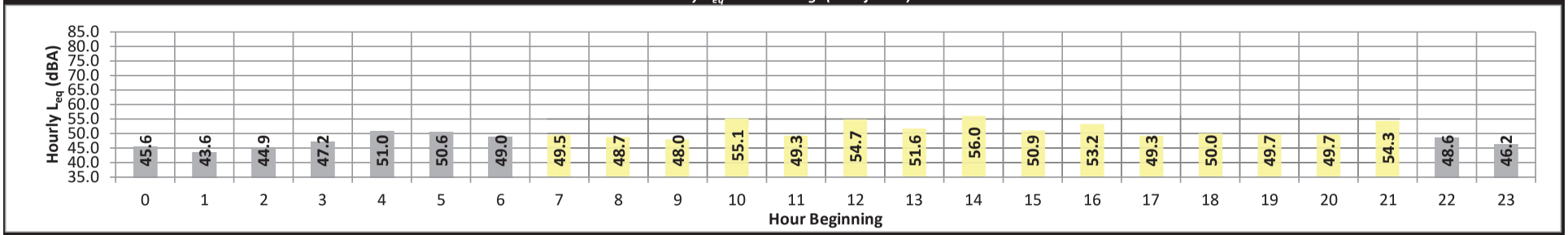
24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
67.9	65.0	59.0

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L6 - Located north of the site near the Val Verde Elementary *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* School at 2656 Indian Av. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	45.6	51.2	40.6	50.9	50.7	49.9	49.3	46.8	43.9	41.5	41.1	40.7	45.6	10.0	55.6
	1	43.6	48.4	40.0	48.1	47.8	46.6	45.8	44.2	43.0	40.9	40.6	40.1	43.6	10.0	53.6
	2	44.9	55.1	38.4	54.9	54.3	52.0	49.7	42.4	41.0	39.2	38.8	38.5	44.9	10.0	54.9
	3	47.2	51.7	44.2	51.4	51.1	50.0	49.5	47.9	46.6	44.9	44.6	44.3	47.2	10.0	57.2
	4	51.0	55.3	49.1	55.0	54.6	53.1	52.3	51.2	50.6	49.6	49.4	49.2	51.0	10.0	61.0
	5	50.6	55.3	48.8	55.0	54.6	53.4	52.5	50.7	50.0	49.2	49.1	48.9	50.6	10.0	60.6
	6	49.0	54.7	46.7	54.5	54.0	52.5	51.5	49.1	48.0	47.1	47.0	46.8	49.0	10.0	59.0
Day	7	49.5	58.2	43.8	57.8	57.3	55.1	53.6	49.5	46.7	44.6	44.3	43.9	49.5	0.0	49.5
	8	48.7	56.0	42.7	55.7	55.4	54.0	52.8	49.8	46.1	43.6	43.3	42.9	48.7	0.0	48.7
	9	48.0	58.0	41.8	57.7	57.1	54.5	52.7	46.6	43.9	42.4	42.2	42.0	48.0	0.0	48.0
	10	55.1	63.3	42.5	62.9	62.7	62.0	61.2	55.5	47.0	43.4	43.1	42.7	55.1	0.0	55.1
	11	49.3	55.9	44.5	55.5	55.1	53.8	52.9	49.8	47.8	45.2	44.9	44.6	49.3	0.0	49.3
	12	54.7	58.9	53.5	58.4	57.8	56.8	56.1	54.8	54.3	53.8	53.7	53.5	54.7	0.0	54.7
	13	51.6	59.1	43.8	58.7	58.3	57.4	56.5	52.7	47.5	44.6	44.3	43.9	51.6	0.0	51.6
	14	56.0	65.2	44.8	64.8	64.5	63.8	62.3	55.2	48.5	45.4	45.2	44.9	56.0	0.0	56.0
	15	50.9	60.7	47.0	60.2	59.3	56.5	54.1	49.7	48.6	47.6	47.4	47.2	50.9	0.0	50.9
	16	53.2	59.2	51.0	58.7	58.1	56.4	55.5	53.1	52.4	51.5	51.3	51.0	53.2	0.0	53.2
	17	49.3	56.3	46.3	55.5	54.7	52.9	51.6	49.5	48.3	47.0	46.8	46.5	49.3	0.0	49.3
	18	50.0	55.7	47.0	54.9	54.1	52.5	51.9	50.5	49.4	47.9	47.4	47.1	50.0	0.0	50.0
	19	49.7	56.9	46.5	56.7	56.3	54.3	52.6	49.3	48.3	47.2	46.9	46.6	49.7	5.0	54.7
	20	49.7	54.6	46.3	54.3	53.9	53.0	52.3	50.4	48.8	47.0	46.7	46.4	49.7	5.0	54.7
	21	54.3	61.6	46.0	61.1	60.7	59.7	59.0	55.3	50.8	46.8	46.5	46.2	54.3	5.0	59.3
Night	22	48.6	58.7	43.6	58.2	57.4	54.6	52.4	47.2	45.8	44.2	43.9	43.7	48.6	10.0	58.6
	23	46.2	52.4	42.2	52.1	51.6	50.5	49.7	46.6	44.8	43.0	42.6	42.3	46.2	10.0	56.2

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	48.0	54.6	41.8	54.3	53.9	52.5	51.6	46.6	43.9	42.4	42.2	42.0
	Max	56.0	65.2	53.5	64.8	64.5	63.8	62.3	55.5	54.3	53.8	53.7	53.5
Energy Average		52.1	Average:		58.2	57.7	56.2	55.0	51.5	48.6	46.5	46.3	46.0
Night	Min	43.6	48.4	38.4	48.1	47.8	46.6	45.8	42.4	41.0	39.2	38.8	38.5
	Max	51.0	58.7	49.1	58.2	57.4	54.6	52.5	51.2	50.6	49.6	49.4	49.2
Energy Average		48.1	Average:		53.3	52.9	51.4	50.3	47.4	46.0	44.4	44.1	43.8

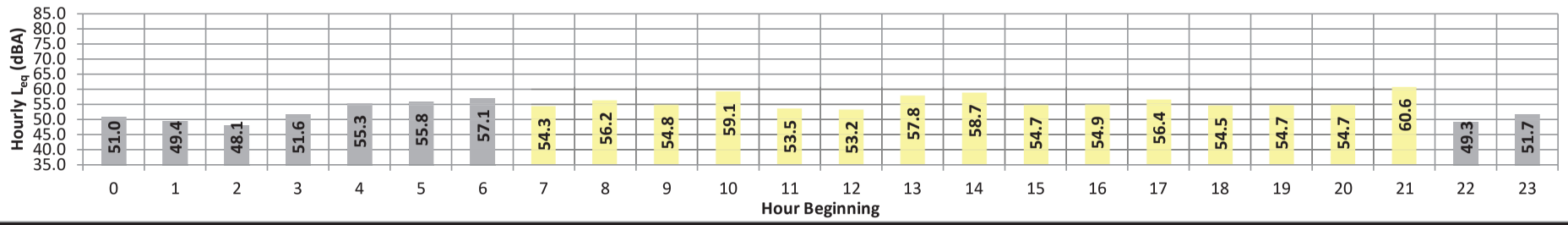
24-Hour CNEL	*Leq (dBA) Daytime (7am-10pm)*	*Leq (dBA) Nighttime (10pm-7am)*
55.8	**52.1**	**48.1**

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L7 - Located east of the site near the retail building at 2560 N *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* Perris Blvd. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	51.0	57.5	46.3	57.0	56.6	55.5	54.5	52.2	49.0	46.7	46.6	46.4	51.0	10.0	61.0
	1	49.4	56.9	46.0	56.6	56.2	54.7	53.5	49.2	47.3	46.3	46.2	46.0	49.4	10.0	59.4
	2	48.1	54.9	45.5	54.4	53.9	52.8	51.8	47.3	46.7	45.8	45.7	45.6	48.1	10.0	58.1
	3	51.6	54.4	49.8	54.2	54.0	53.5	53.0	51.9	51.4	50.4	50.1	49.9	51.6	10.0	61.6
	4	55.3	60.5	53.3	60.2	59.9	58.6	57.2	55.2	54.6	53.8	53.6	53.4	55.3	10.0	65.3
	5	55.8	61.4	53.9	61.2	61.0	59.7	58.2	55.7	54.8	54.2	54.1	54.0	55.8	10.0	65.8
	6	57.1	67.4	50.2	67.0	66.5	64.5	62.3	54.3	51.9	50.8	50.5	50.3	57.1	10.0	67.1
Day	7	54.3	64.6	47.2	64.2	63.8	61.3	59.2	52.7	49.3	47.6	47.4	47.3	54.3	0.0	54.3
	8	56.2	66.1	46.4	65.8	65.2	63.6	62.0	55.3	50.1	47.0	46.7	46.5	56.2	0.0	56.2
	9	54.8	64.3	45.4	63.9	63.5	62.0	60.5	54.0	49.2	46.0	45.7	45.5	54.8	0.0	54.8
	10	59.1	68.5	45.1	68.1	67.6	66.2	64.8	59.4	52.7	46.2	45.5	45.1	59.1	0.0	59.1
	11	53.5	62.7	46.6	62.2	61.6	59.6	58.0	53.4	50.5	47.3	47.0	46.7	53.5	0.0	53.5
	12	53.2	61.9	47.0	61.6	61.1	59.4	57.6	53.1	49.9	47.6	47.4	47.1	53.2	0.0	53.2
	13	57.8	66.9	46.5	66.5	66.2	64.8	63.7	57.4	51.2	47.2	46.9	46.6	57.8	0.0	57.8
	14	58.7	67.0	47.6	66.7	66.4	65.3	64.2	59.6	53.0	48.4	48.1	47.7	58.7	0.0	58.7
	15	54.7	64.5	47.7	64.2	63.9	62.2	59.8	52.8	50.3	48.4	48.1	47.8	54.7	0.0	54.7
	16	54.9	63.9	49.7	63.5	63.1	61.6	59.5	53.8	51.7	50.3	50.1	49.8	54.9	0.0	54.9
	17	56.4	67.8	50.0	67.2	66.1	63.5	60.3	54.2	52.1	50.6	50.3	50.1	56.4	0.0	56.4
	18	54.5	61.7	50.6	61.5	61.2	59.6	58.2	54.6	52.6	51.1	50.9	50.7	54.5	0.0	54.5
	19	54.7	63.3	50.4	63.1	62.5	60.4	58.5	54.1	52.2	50.8	50.7	50.5	54.7	5.0	59.7
	20	54.7	63.6	49.3	63.4	63.1	61.5	59.2	53.6	51.2	49.8	49.6	49.4	54.7	5.0	59.7
	21	60.6	70.2	49.2	69.7	69.3	67.7	66.5	59.5	54.4	49.9	49.6	49.3	60.6	5.0	65.6
Night	22	49.3	57.6	45.8	57.4	57.0	55.3	53.3	47.9	46.9	46.2	46.1	45.9	49.3	10.0	59.3
	23	51.7	60.5	48.3	60.1	59.1	56.2	54.1	51.5	50.1	48.8	48.6	48.4	51.7	10.0	61.7

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	53.2	61.7	45.1	61.5	61.1	59.4	57.6	52.7	49.2	46.0	45.5	45.1
	Max	60.6	70.2	50.6	69.7	69.3	67.7	66.5	59.6	54.4	51.1	50.9	50.7
Energy Average		56.5	Average:		64.8	64.3	62.6	60.8	55.2	51.4	48.6	48.3	48.0
Night	Min	48.1	54.4	45.5	54.2	53.9	52.8	51.8	47.3	46.7	45.8	45.7	45.6
	Max	57.1	67.4	53.9	67.0	66.5	64.5	62.3	55.7	54.8	54.2	54.1	54.0
Energy Average		53.2	Average:		58.7	58.2	56.8	55.3	51.7	50.3	49.2	49.0	48.9

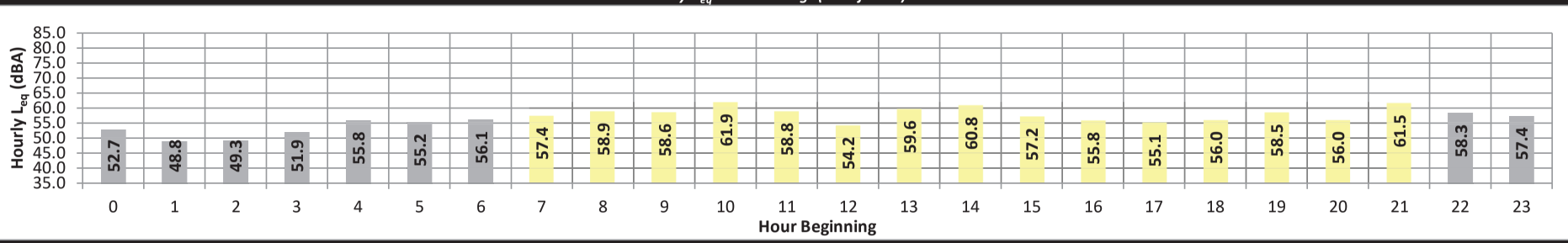
24-Hour CNEL	*Leq (dBA)* *Daytime (7am-10pm)*	*Nighttime (10pm-7am)*
60.9	**56.5**	**53.2**

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L8 - Located east of the site near the retail building at 2674 N *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* Perris Blvd *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	52.7	59.8	46.7	59.3	58.9	57.8	57.0	53.7	50.2	47.4	47.1	46.8	52.7	10.0	62.7
	1	48.8	55.8	44.1	55.5	55.2	54.0	53.0	49.1	46.6	44.8	44.6	44.3	48.8	10.0	58.8
	2	49.3	56.6	44.6	56.3	55.9	54.4	53.4	49.6	47.0	45.1	44.9	44.7	49.3	10.0	59.3
	3	51.9	59.6	45.5	59.2	58.7	57.5	56.4	52.5	49.3	46.2	45.9	45.5	51.9	10.0	61.9
	4	55.8	64.1	47.4	63.5	62.9	61.7	60.9	56.8	52.3	48.2	47.8	47.5	55.8	10.0	65.8
	5	55.2	62.5	48.6	62.2	61.8	60.5	59.3	56.0	53.0	49.4	49.1	48.7	55.2	10.0	65.2
	6	56.1	63.0	47.7	62.7	62.2	61.2	60.3	57.0	54.5	49.1	48.3	47.8	56.1	10.0	66.1
Day	7	57.4	65.4	49.1	64.8	64.0	62.3	61.3	58.3	55.4	50.9	50.0	49.2	57.4	0.0	57.4
	8	58.9	66.9	49.4	66.2	65.5	64.2	63.2	59.8	56.5	51.4	50.5	49.6	58.9	0.0	58.9
	9	58.6	71.0	48.4	69.5	67.8	64.1	62.2	57.9	54.9	50.1	49.3	48.6	58.6	0.0	58.6
	10	61.9	71.1	51.1	70.3	69.4	67.8	66.9	62.7	58.0	52.7	52.0	51.2	61.9	0.0	61.9
	11	58.8	67.2	49.3	66.9	66.6	65.3	64.3	58.8	54.2	50.6	50.0	49.4	58.8	0.0	58.8
	12	54.2	60.5	48.8	60.1	59.6	58.4	57.6	55.0	53.0	50.1	49.4	48.9	54.2	0.0	54.2
	13	59.6	68.5	50.5	68.1	67.4	66.1	64.9	59.6	55.2	51.7	51.1	50.6	59.6	0.0	59.6
	14	60.8	67.3	55.9	66.9	66.5	65.6	65.0	62.1	58.0	56.3	56.1	55.9	60.8	0.0	60.8
	15	57.2	63.5	53.6	63.1	62.6	61.4	60.4	57.6	55.9	54.2	53.9	53.7	57.2	0.0	57.2
	16	55.8	62.2	50.6	61.7	61.2	59.7	58.7	56.6	54.8	51.9	51.3	50.7	55.8	0.0	55.8
	17	55.1	61.6	49.7	61.2	60.7	59.6	58.7	55.6	53.8	50.8	50.3	49.8	55.1	0.0	55.1
	18	56.0	62.9	49.8	62.4	61.8	60.3	59.3	56.7	54.8	51.2	50.6	50.0	56.0	0.0	56.0
	19	58.5	65.5	52.0	65.1	64.6	63.2	62.0	58.9	57.3	53.9	53.2	52.3	58.5	5.0	63.5
	20	56.0	63.2	49.7	62.7	62.2	60.9	60.1	56.4	54.2	51.0	50.4	49.9	56.0	5.0	61.0
	21	61.5	69.7	48.0	69.4	69.1	68.2	67.6	61.6	55.5	49.4	48.6	48.1	61.5	5.0	66.5
Night	22	58.3	68.2	52.2	67.8	67.2	64.6	62.1	57.3	55.0	52.7	52.5	52.3	58.3	10.0	68.3
	23	57.4	68.0	46.5	67.2	66.5	64.5	62.6	56.2	52.4	48.1	47.3	46.7	57.4	10.0	67.4

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	54.2	60.5	48.0	60.1	59.6	58.4	57.6	55.0	53.0	49.4	48.6	48.1
	Max	61.9	71.1	55.9	70.3	69.4	68.2	67.6	62.7	58.0	56.3	56.1	55.9
Energy Average		58.6	Average:		65.2	64.6	63.1	62.1	58.5	55.4	51.7	51.1	50.5
Night	Min	48.8	55.8	44.1	55.5	55.2	54.0	53.0	49.1	46.6	44.8	44.6	44.3
	Max	58.3	68.2	52.2	67.8	67.2	64.6	62.6	57.3	55.0	52.7	52.5	52.3
Energy Average		55.0	Average:		61.5	61.0	59.6	58.3	54.2	51.1	47.9	47.5	47.2

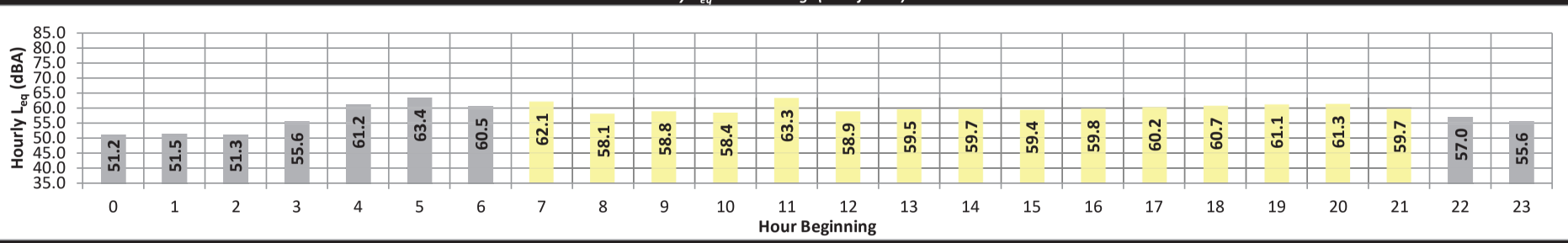
24-Hour CNEL	*Leq (dBA)* *Daytime (7am-10pm)*	*Nighttime (10pm-7am)*
62.7	**58.6**	**55.0**

24-Hour Noise Level Measurement Summary

Date: Wednesday, August 28, 2024 *Location:* L9 - Located within the Project site at 2411 Indian Ave. *Meter:* Piccolo II *JN:* 15605

Project: Harvest Landing *Source:* *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	51.2	59.4	46.4	59.1	58.5	56.2	54.5	51.2	49.5	47.3	46.9	46.5	51.2	10.0	61.2
	1	51.5	60.7	46.6	60.4	59.7	57.2	54.9	50.7	49.3	47.6	47.3	46.8	51.5	10.0	61.5
	2	51.3	61.9	44.4	61.4	60.7	58.7	55.6	49.1	47.1	45.3	44.9	44.5	51.3	10.0	61.3
	3	55.6	63.6	51.4	63.3	62.8	60.9	59.1	55.2	53.8	52.1	51.8	51.5	55.6	10.0	65.6
	4	61.2	70.8	55.7	70.4	69.7	67.6	66.3	59.7	57.5	56.2	56.0	55.8	61.2	10.0	71.2
	5	63.4	73.6	56.3	73.4	73.0	71.6	68.6	61.1	58.3	56.8	56.6	56.4	63.4	10.0	73.4
	6	60.5	69.6	53.8	69.4	68.9	66.8	65.4	60.1	56.3	54.4	54.2	53.9	60.5	10.0	70.5
Day	7	62.1	75.1	51.3	74.3	73.3	67.3	65.3	59.9	55.9	52.2	51.7	51.4	62.1	0.0	62.1
	8	58.1	68.9	46.3	68.4	67.7	65.1	63.3	57.6	51.9	47.3	46.9	46.5	58.1	0.0	58.1
	9	58.8	69.5	45.5	69.1	68.4	66.2	64.2	57.8	52.7	46.8	46.2	45.6	58.8	0.0	58.8
	10	58.4	69.0	45.3	68.3	67.6	65.4	63.7	58.0	52.4	46.9	46.2	45.5	58.4	0.0	58.4
	11	63.3	77.2	48.5	76.4	74.9	70.3	67.2	58.2	53.6	49.5	49.1	48.6	63.3	0.0	63.3
	12	58.9	69.8	49.2	69.3	68.5	65.6	63.5	58.2	53.6	50.1	49.7	49.3	58.9	0.0	58.9
	13	59.5	69.6	48.9	69.1	68.4	66.4	64.5	59.5	54.0	49.9	49.4	49.1	59.5	0.0	59.5
	14	59.7	68.7	49.4	68.2	67.7	66.1	65.0	60.2	55.0	50.4	49.9	49.5	59.7	0.0	59.7
	15	59.4	68.7	52.0	68.3	67.6	65.4	63.9	59.5	55.6	52.9	52.5	52.1	59.4	0.0	59.4
	16	59.8	68.2	54.2	67.9	67.3	65.3	64.0	59.7	57.3	55.0	54.7	54.4	59.8	0.0	59.8
	17	60.2	68.8	54.7	68.4	67.8	65.5	64.2	60.5	57.5	55.3	55.0	54.8	60.2	0.0	60.2
	18	60.7	69.4	54.7	69.1	68.4	66.2	64.6	60.8	57.8	55.5	55.2	54.9	60.7	0.0	60.7
	19	61.1	70.9	54.4	70.6	70.0	67.7	65.5	60.2	57.1	55.2	54.9	54.5	61.1	5.0	66.1
	20	61.3	73.5	53.4	73.2	72.1	68.5	65.1	58.2	55.7	54.1	53.9	53.6	61.3	5.0	66.3
	21	59.7	68.6	52.9	68.1	67.5	65.9	64.4	59.7	56.2	53.7	53.3	53.0	59.7	5.0	64.7
Night	22	57.0	66.9	49.7	66.6	66.0	63.9	62.1	55.5	52.7	50.7	50.3	49.9	57.0	10.0	67.0
	23	55.6	65.2	50.3	64.7	64.0	61.6	59.5	54.7	52.9	51.1	50.8	50.5	55.6	10.0	65.6

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	58.1	68.2	45.3	67.9	67.3	65.1	63.3	57.6	51.9	46.8	46.2	45.5
	Max	63.3	77.2	54.7	76.4	74.9	70.3	67.2	60.8	57.8	55.5	55.2	54.9
Energy Average		60.3	Average:		69.9	69.1	66.5	64.6	59.2	55.1	51.6	51.2	50.8
Night	Min	51.2	59.4	44.4	59.1	58.5	56.2	54.5	49.1	47.1	45.3	44.9	44.5
	Max	63.4	73.6	56.3	73.4	73.0	71.6	68.6	61.1	58.3	56.8	56.6	56.4
Energy Average		58.4	Average:		65.4	64.8	62.7	60.7	55.3	53.0	51.3	51.0	50.6

24-Hour CNEL	*Leq (dBA)* *Daytime (7am-10pm)*	*Nighttime (10pm-7am)*
65.6	**60.3**	**58.4**

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APPENDIX 7.1:

OFF-SITE TRAFFIC NOISE CONTOURS

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FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	4,467 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	447 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.91	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-23.32	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-28.79	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	63.9	61.7	60.6	55.8	63.6	64.2
Medium Trucks:	56.8	55.1	48.7	48.8	56.6	56.8
Heavy Trucks:	56.6	54.9	47.4	48.7	56.4	56.5
Vehicle Noise:	65.3	63.3	61.0	57.2	65.0	65.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	15	33	72	154
CNEL:	16	36	77	165

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,296 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	630 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.71%
Medium Trucks:	80.9%	4.6%	14.4%	1.00%
Heavy Trucks:	81.8%	3.6%	14.5%	0.28%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-3.39	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-23.32	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-28.79	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	65.4	63.2	62.1	57.3	65.1	65.7
Medium Trucks:	56.8	55.1	48.7	48.8	56.6	56.8
Heavy Trucks:	56.6	54.9	47.4	48.7	56.4	56.5
Vehicle Noise:	66.5	64.4	62.4	58.3	66.2	66.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	18	40	85	184
CNEL:	20	42	92	197

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	4,950 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	495 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.46	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-22.87	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-28.35	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.4	62.2	61.0	56.2	64.1	64.6
Medium Trucks:	57.2	55.5	49.1	49.3	57.0	57.2
Heavy Trucks:	57.0	55.4	47.9	49.1	56.8	57.0
Vehicle Noise:	65.8	63.7	61.5	57.7	65.5	65.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	16	36	77	165
CNEL:	18	38	82	177

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	5,432 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	543 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.35%
Medium Trucks:	80.9%	4.6%	14.4%	1.29%
Heavy Trucks:	81.8%	3.6%	14.5%	0.37%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.05	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-22.87	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-28.35	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.8	62.6	61.4	56.6	64.5	65.0
Medium Trucks:	57.2	55.5	49.1	49.3	57.0	57.2
Heavy Trucks:	57.0	55.4	47.9	49.1	56.8	57.0
Vehicle Noise:	66.1	64.0	61.9	58.0	65.8	66.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	17	37	80	173
CNEL:	19	40	86	185

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	5,486 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	549 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.01	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-22.43	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-27.90	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.8	62.6	61.5	56.7	64.5	65.1
Medium Trucks:	57.7	56.0	49.6	49.7	57.5	57.7
Heavy Trucks:	57.5	55.8	48.3	49.5	57.3	57.4
Vehicle Noise:	66.2	64.1	61.9	58.1	65.9	66.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	18	38	82	177
CNEL:	19	41	88	189

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	7,315 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	732 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.64%
Medium Trucks:	80.9%	4.6%	14.4%	1.06%
Heavy Trucks:	81.8%	3.6%	14.5%	0.30%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-2.74	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-22.43	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-27.90	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	66.1	63.9	62.7	57.9	65.8	66.3
Medium Trucks:	57.7	56.0	49.6	49.7	57.5	57.7
Heavy Trucks:	57.5	55.8	48.3	49.5	57.3	57.4
Vehicle Noise:	67.2	65.1	63.1	59.0	66.9	67.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	20	44	95	204
CNEL:	22	47	102	220

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,976 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	898 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-1.87	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-20.29	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-25.76	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	66.9	64.7	63.6	58.8	66.6	67.2
Medium Trucks:	59.8	58.1	51.7	51.9	59.6	59.8
Heavy Trucks:	59.6	57.9	50.4	51.7	59.4	59.6
Vehicle Noise:	68.3	66.3	64.1	60.2	68.1	68.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	25	53	114	245
CNEL:	26	57	122	263

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Indian Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	10,805 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,081 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.49%
Medium Trucks:	80.9%	4.6%	14.4%	1.18%
Heavy Trucks:	81.8%	3.6%	14.5%	0.33%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-1.06	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-20.29	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-25.76	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.8	65.6	64.4	59.6	67.5	68.0
Medium Trucks:	59.8	58.1	51.7	51.9	59.6	59.8
Heavy Trucks:	59.6	57.9	50.4	51.7	59.4	59.6
Vehicle Noise:	68.9	66.9	64.8	60.8	68.7	69.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	27	58	125	269
CNEL:	29	62	134	289

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E
Road Name: Orange Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	7,771 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	777 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-3.01	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-21.43	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-26.90	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	65.9	63.7	62.6	57.8	65.6	66.2
Medium Trucks:	58.5	56.8	50.4	50.6	58.3	58.5
Heavy Trucks:	57.9	56.2	48.7	49.9	57.7	57.8
Vehicle Noise:	67.2	65.1	63.0	59.1	66.9	67.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	29	63	136	293
CNEL:	31	68	146	314

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP
Road Name: Orange Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	10,097 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,010 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.60%
Medium Trucks:	80.9%	4.6%	14.4%	1.09%
Heavy Trucks:	81.8%	3.6%	14.5%	0.31%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-1.86	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-21.43	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-26.90	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.1	64.9	63.7	58.9	66.8	67.3
Medium Trucks:	58.5	56.8	50.4	50.6	58.3	58.5
Heavy Trucks:	57.9	56.2	48.7	49.9	57.7	57.8
Vehicle Noise:	68.1	66.0	64.1	60.0	67.8	68.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	34	72	156	335
CNEL:	36	78	167	360

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026)
Road Name: Orange Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,667 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	867 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-2.54	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-20.95	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-26.43	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	66.4	64.2	63.1	58.2	66.1	66.6
Medium Trucks:	59.0	57.3	50.9	51.1	58.8	59.0
Heavy Trucks:	58.3	56.7	49.2	50.4	58.2	58.3
Vehicle Noise:	67.7	65.6	63.5	59.6	67.4	67.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	31	68	146	315
CNEL:	34	73	157	337

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026)
Road Name: Orange Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	10,095 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,010 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.44%
Medium Trucks:	80.9%	4.6%	14.4%	1.21%
Heavy Trucks:	81.8%	3.6%	14.5%	0.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-1.86	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-20.95	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-26.43	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.1	64.9	63.7	58.9	66.8	67.3
Medium Trucks:	59.0	57.3	50.9	51.1	58.8	59.0
Heavy Trucks:	58.3	56.7	49.2	50.4	58.2	58.3
Vehicle Noise:	68.2	66.1	64.1	60.1	67.9	68.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	34	73	158	340
CNEL:	37	79	170	366

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	9,600 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	960 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-2.09	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-20.51	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-25.98	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	66.8	64.6	63.5	58.7	66.5	67.1
Medium Trucks:	59.5	57.7	51.3	51.5	59.3	59.5
Heavy Trucks:	58.8	57.1	49.6	50.9	58.6	58.8
Vehicle Noise:	68.1	66.0	63.9	60.0	67.8	68.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	34	73	156	337
CNEL:	36	78	168	361

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	11,925 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,193 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.54%
Medium Trucks:	80.9%	4.6%	14.4%	1.14%
Heavy Trucks:	81.8%	3.6%	14.5%	0.32%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-1.14	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-20.51	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-25.98	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.8	65.6	64.5	59.6	67.5	68.0
Medium Trucks:	59.5	57.7	51.3	51.5	59.3	59.5
Heavy Trucks:	58.8	57.1	49.6	50.9	58.6	58.8
Vehicle Noise:	68.8	66.8	64.8	60.7	68.6	69.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	38	81	175	377
CNEL:	41	87	188	405

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	9,600 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	960 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-2.09	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-20.51	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-25.98	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	66.8	64.6	63.5	58.7	66.5	67.1
Medium Trucks:	59.5	57.7	51.3	51.5	59.3	59.5
Heavy Trucks:	58.8	57.1	49.6	50.9	58.6	58.8
Vehicle Noise:	68.1	66.0	63.9	60.0	67.8	68.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	34	73	156	337
CNEL:	36	78	168	361

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	11,925 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,193 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.54%
Medium Trucks:	80.9%	4.6%	14.4%	1.14%
Heavy Trucks:	81.8%	3.6%	14.5%	0.32%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	-1.14	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-20.51	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-25.98	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.8	65.6	64.5	59.6	67.5	68.0
Medium Trucks:	59.5	57.7	51.3	51.5	59.3	59.5
Heavy Trucks:	58.8	57.1	49.6	50.9	58.6	58.8
Vehicle Noise:	68.8	66.8	64.8	60.7	68.6	69.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	38	81	175	377
CNEL:	41	87	188	405

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E
Road Name: Perris Blvd
Road Segment: between Orange Aven and Citrus Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	25,533 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,553 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.15	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.26	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-21.74	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.1	68.9	67.7	62.9	70.8	71.3
Medium Trucks:	63.7	62.0	55.6	55.8	63.5	63.7
Heavy Trucks:	63.0	61.4	53.9	55.1	62.9	63.0
Vehicle Noise:	72.4	70.3	68.2	64.3	72.1	72.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	65	139	300	647
CNEL:	69	149	322	694

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP
Road Name: Perris Blvd
Road Segment: between Orange Aven and Citrus Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	30,376 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,038 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.47%
Medium Trucks:	80.9%	4.6%	14.4%	1.19%
Heavy Trucks:	81.8%	3.6%	14.5%	0.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.92	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.26	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-21.74	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.9	69.7	68.5	63.7	71.6	72.1
Medium Trucks:	63.7	62.0	55.6	55.8	63.5	63.7
Heavy Trucks:	63.0	61.4	53.9	55.1	62.9	63.0
Vehicle Noise:	72.9	70.9	68.9	64.8	72.7	73.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	71	152	328	707
CNEL:	76	164	353	760

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026)
Road Name: Perris Blvd
Road Segment: between Orange Aven and Citrus Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	37,820 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,782 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.86	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.55	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.03	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.8	70.6	69.5	64.6	72.5	73.0
Medium Trucks:	65.4	63.7	57.3	57.5	65.2	65.4
Heavy Trucks:	64.7	63.1	55.6	56.8	64.6	64.7
Vehicle Noise:	74.1	72.0	69.9	66.0	73.8	74.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	84	181	390	841
CNEL:	90	194	418	901

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026)
Road Name: Perris Blvd
Road Segment: between Orange Aven and Citrus Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	41,541 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,154 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.35%
Medium Trucks:	80.9%	4.6%	14.4%	1.29%
Heavy Trucks:	81.8%	3.6%	14.5%	0.37%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.27	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.55	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.03	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.2	71.0	69.9	65.1	72.9	73.5
Medium Trucks:	65.4	63.7	57.3	57.5	65.2	65.4
Heavy Trucks:	64.7	63.1	55.6	56.8	64.6	64.7
Vehicle Noise:	74.4	72.3	70.2	66.3	74.1	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	88	190	409	882
CNEL:	95	204	439	946

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Orange Aven and Citrus Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	40,884 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,088 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.20	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.21	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.69	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.1	70.9	69.8	65.0	72.8	73.4
Medium Trucks:	65.7	64.0	57.6	57.8	65.6	65.7
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.0
Vehicle Noise:	74.4	72.3	70.2	66.3	74.1	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	89	191	411	886
CNEL:	95	205	441	949

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Orange Aven and Citrus Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	45,727 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,573 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.38%
Medium Trucks:	80.9%	4.6%	14.4%	1.27%
Heavy Trucks:	81.8%	3.6%	14.5%	0.36%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.69	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.21	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.69	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.6	71.4	70.3	65.5	73.3	73.9
Medium Trucks:	65.7	64.0	57.6	57.8	65.6	65.7
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.0
Vehicle Noise:	74.8	72.7	70.7	66.7	74.5	75.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	94	202	435	938
CNEL:	101	217	467	1,006

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Orange Aven and Citrus Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	40,884 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,088 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.20	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.21	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.69	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.1	70.9	69.8	65.0	72.8	73.4
Medium Trucks:	65.7	64.0	57.6	57.8	65.6	65.7
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.0
Vehicle Noise:	74.4	72.3	70.2	66.3	74.1	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	89	191	411	886
CNEL:	95	205	441	949

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Orange Aven and Citrus Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	45,727 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,573 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.38%
Medium Trucks:	80.9%	4.6%	14.4%	1.27%
Heavy Trucks:	81.8%	3.6%	14.5%	0.36%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.69	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.21	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.69	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.6	71.4	70.3	65.5	73.3	73.9
Medium Trucks:	65.7	64.0	57.6	57.8	65.6	65.7
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.0
Vehicle Noise:	74.8	72.7	70.7	66.7	74.5	75.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	94	202	435	938
CNEL:	101	217	467	1,006

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Barrett Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,167 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	117 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-10.73	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-29.15	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-34.62	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	58.1	55.9	54.7	49.9	57.8	58.3
Medium Trucks:	50.9	49.2	42.8	43.0	50.8	50.9
Heavy Trucks:	50.7	49.1	41.6	42.8	50.6	50.7
Vehicle Noise:	59.5	57.4	55.2	51.4	59.2	59.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	6	14	29	63
CNEL:	7	15	31	67

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Barrett Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	7,726 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	773 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	99.73%
Medium Trucks:	80.9%	4.6%	14.4%	0.21%
Heavy Trucks:	81.8%	3.6%	14.5%	0.06%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-2.46	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-29.15	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-34.62	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	66.4	64.2	63.0	58.2	66.1	66.6
Medium Trucks:	50.9	49.2	42.8	43.0	50.8	50.9
Heavy Trucks:	50.7	49.1	41.6	42.8	50.6	50.7
Vehicle Noise:	66.6	64.4	63.1	58.5	66.3	66.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	19	40	87	187
CNEL:	20	44	94	203

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Barrett Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,345 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	135 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-10.12	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-28.53	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-34.01	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	58.7	56.5	55.4	50.5	58.4	58.9
Medium Trucks:	51.6	49.9	43.5	43.6	51.4	51.6
Heavy Trucks:	51.4	49.7	42.2	43.4	51.2	51.3
Vehicle Noise:	60.1	58.0	55.8	52.0	59.8	60.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	7	15	32	69
CNEL:	7	16	34	74

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Barrett Ave | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,333 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	633 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	99.61%
Medium Trucks:	80.9%	4.6%	14.4%	0.30%
Heavy Trucks:	81.8%	3.6%	14.5%	0.09%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-3.33	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-28.53	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-34.01	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	65.5	63.3	62.2	57.3	65.2	65.7
Medium Trucks:	51.6	49.9	43.5	43.6	51.4	51.6
Heavy Trucks:	51.4	49.7	42.2	43.4	51.2	51.3
Vehicle Noise:	65.8	63.7	62.3	57.7	65.5	66.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	17	36	77	166
CNEL:	18	39	84	180

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) *Project Name:* Harvest Landing
Road Name: Barrett Ave *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,485	vehicles
Peak Hour Percentage:	10.00%	
Peak Hour Volume:	149	vehicles
Vehicle Speed:	40	mph
Near/Far Lane Distance:	34	feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-9.69	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-28.10	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-33.58	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.1	56.9	55.8	51.0	58.8	59.4
Medium Trucks:	52.0	50.3	43.9	44.0	51.8	52.0
Heavy Trucks:	51.8	50.1	42.6	43.9	51.6	51.8
Vehicle Noise:	60.5	58.5	56.3	52.4	60.3	60.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	7	16	34	74
CNEL:	8	17	37	79

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) *Project Name:* Harvest Landing
Road Name: Barrett Ave *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,044	vehicles
Peak Hour Percentage:	10.00%	
Peak Hour Volume:	804	vehicles
Vehicle Speed:	40	mph
Near/Far Lane Distance:	34	feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	99.66%
Medium Trucks:	80.9%	4.6%	14.4%	0.26%
Heavy Trucks:	81.8%	3.6%	14.5%	0.07%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-2.29	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-28.10	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-33.58	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	66.5	64.3	63.2	58.4	66.2	66.8
Medium Trucks:	52.0	50.3	43.9	44.0	51.8	52.0
Heavy Trucks:	51.8	50.1	42.6	43.9	51.6	51.8
Vehicle Noise:	66.8	64.7	63.3	58.7	66.5	67.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	19	42	90	194
CNEL:	21	45	97	210

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) *Project Name:* Harvest Landing
Road Name: Barrett Ave *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	1,509	vehicles
Peak Hour Percentage:	10.00%	
Peak Hour Volume:	151	vehicles
Vehicle Speed:	40	mph
Near/Far Lane Distance:	34	feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-9.62	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-28.03	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-33.51	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	59.2	57.0	55.9	51.0	58.9	59.4
Medium Trucks:	52.1	50.4	44.0	44.1	51.9	52.1
Heavy Trucks:	51.9	50.2	42.7	43.9	51.7	51.8
Vehicle Noise:	60.6	58.5	56.3	52.5	60.3	60.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	7	16	35	75
CNEL:	8	17	37	80

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) *Project Name:* Harvest Landing
Road Name: Barrett Ave *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,068	vehicles
Peak Hour Percentage:	10.00%	
Peak Hour Volume:	807	vehicles
Vehicle Speed:	40	mph
Near/Far Lane Distance:	34	feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	99.66%
Medium Trucks:	80.9%	4.6%	14.4%	0.26%
Heavy Trucks:	81.8%	3.6%	14.5%	0.07%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-2.27	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-28.03	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-33.51	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	66.5	64.3	63.2	58.4	66.2	66.8
Medium Trucks:	52.1	50.4	44.0	44.1	51.9	52.1
Heavy Trucks:	51.9	50.2	42.7	43.9	51.7	51.8
Vehicle Noise:	66.8	64.7	63.3	58.7	66.5	67.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	19	42	90	194
CNEL:	21	45	98	210

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	23,745 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,375 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	1.84	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.57	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-22.05	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	70.8	68.6	67.4	62.6	70.5	71.0
Medium Trucks:	63.4	61.7	55.3	55.4	63.2	63.4
Heavy Trucks:	62.7	61.0	53.5	54.8	62.5	62.7
Vehicle Noise:	72.0	70.0	67.8	63.9	71.8	72.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	62	133	286	617
CNEL:	66	142	307	661

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	27,064 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,706 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.41%
Medium Trucks:	80.9%	4.6%	14.4%	1.24%
Heavy Trucks:	81.8%	3.6%	14.5%	0.35%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.42	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.57	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-22.05	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.3	69.2	68.0	63.2	71.0	71.6
Medium Trucks:	63.4	61.7	55.3	55.4	63.2	63.4
Heavy Trucks:	62.7	61.0	53.5	54.8	62.5	62.7
Vehicle Noise:	72.5	70.4	68.4	64.4	72.2	72.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	66	142	306	659
CNEL:	71	152	328	707

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	35,971 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,597 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.64	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.77	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.25	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.6	70.4	69.2	64.4	72.3	72.8
Medium Trucks:	65.2	63.5	57.1	57.2	65.0	65.2
Heavy Trucks:	64.5	62.8	55.3	56.6	64.3	64.5
Vehicle Noise:	73.8	71.8	69.7	65.7	73.6	74.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	81	175	377	813
CNEL:	87	188	405	872

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	39,290 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,929 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.34%
Medium Trucks:	80.9%	4.6%	14.4%	1.30%
Heavy Trucks:	81.8%	3.6%	14.5%	0.37%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.03	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.77	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.25	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.0	70.8	69.6	64.8	72.7	73.2
Medium Trucks:	65.2	63.5	57.1	57.2	65.0	65.2
Heavy Trucks:	64.5	62.8	55.3	56.6	64.3	64.5
Vehicle Noise:	74.1	72.1	70.0	66.0	73.9	74.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	85	183	395	851
CNEL:	91	197	424	912

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	38,820 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,882 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.97	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.44	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.92	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.9	70.7	69.6	64.8	72.6	73.2
Medium Trucks:	65.5	63.8	57.4	57.6	65.3	65.5
Heavy Trucks:	64.8	63.2	55.7	56.9	64.7	64.8
Vehicle Noise:	74.2	72.1	70.0	66.1	73.9	74.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	86	184	397	856
CNEL:	92	198	426	917

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	42,139 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,214 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.33%
Medium Trucks:	80.9%	4.6%	14.4%	1.30%
Heavy Trucks:	81.8%	3.6%	14.5%	0.37%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.34	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.44	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.92	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.3	71.1	69.9	65.1	73.0	73.5
Medium Trucks:	65.5	63.8	57.4	57.6	65.3	65.5
Heavy Trucks:	64.8	63.2	55.7	56.9	64.7	64.8
Vehicle Noise:	74.4	72.4	70.3	66.3	74.2	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	89	192	414	892
CNEL:	96	206	444	957

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	38,820 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,882 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.97	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.44	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.92	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.9	70.7	69.6	64.8	72.6	73.2
Medium Trucks:	65.5	63.8	57.4	57.6	65.3	65.5
Heavy Trucks:	64.8	63.2	55.7	56.9	64.7	64.8
Vehicle Noise:	74.2	72.1	70.0	66.1	73.9	74.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	86	184	397	856
CNEL:	92	198	426	917

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	42,139 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,214 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.33%
Medium Trucks:	80.9%	4.6%	14.4%	1.30%
Heavy Trucks:	81.8%	3.6%	14.5%	0.37%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.34	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.44	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.92	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.3	71.1	69.9	65.1	73.0	73.5
Medium Trucks:	65.5	63.8	57.4	57.6	65.3	65.5
Heavy Trucks:	64.8	63.2	55.7	56.9	64.7	64.8
Vehicle Noise:	74.4	72.4	70.3	66.3	74.2	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	89	192	414	892
CNEL:	96	206	444	957

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	23,951 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,395 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	1.88	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.54	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-22.01	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	70.8	68.6	67.5	62.7	70.5	71.1
Medium Trucks:	63.4	61.7	55.3	55.5	63.2	63.4
Heavy Trucks:	62.7	61.1	53.6	54.8	62.6	62.7
Vehicle Noise:	72.1	70.0	67.9	64.0	71.8	72.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	62	134	288	620
CNEL:	66	143	308	665

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	28,366 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,837 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.47%
Medium Trucks:	80.9%	4.6%	14.4%	1.19%
Heavy Trucks:	81.8%	3.6%	14.5%	0.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.62	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.54	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-22.01	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.6	69.4	68.2	63.4	71.3	71.8
Medium Trucks:	63.4	61.7	55.3	55.5	63.2	63.4
Heavy Trucks:	62.7	61.1	53.6	54.8	62.6	62.7
Vehicle Noise:	72.6	70.6	68.6	64.5	72.4	72.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	68	146	314	676
CNEL:	73	156	337	726

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	38,203 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,820 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.90	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.51	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.99	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.8	70.6	69.5	64.7	72.5	73.1
Medium Trucks:	65.5	63.7	57.3	57.5	65.3	65.4
Heavy Trucks:	64.8	63.1	55.6	56.9	64.6	64.8
Vehicle Noise:	74.1	72.0	69.9	66.0	73.8	74.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	85	182	393	846
CNEL:	91	195	421	907

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	41,159 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,116 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.31%
Medium Trucks:	80.9%	4.6%	14.4%	1.31%
Heavy Trucks:	81.8%	3.6%	14.5%	0.37%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.23	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.51	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.99	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.2	71.0	69.8	65.0	72.9	73.4
Medium Trucks:	65.5	63.7	57.3	57.5	65.3	65.4
Heavy Trucks:	64.8	63.1	55.6	56.9	64.6	64.8
Vehicle Noise:	74.4	72.3	70.2	66.3	74.1	74.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	88	189	408	879
CNEL:	94	203	438	943

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	41,077 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,108 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.22	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.19	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.67	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.2	71.0	69.8	65.0	72.8	73.4
Medium Trucks:	65.8	64.1	57.7	57.8	65.6	65.8
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.1
Vehicle Noise:	74.4	72.4	70.2	66.3	74.1	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	89	191	412	888
CNEL:	95	205	442	952

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	45,493 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,549 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.36%
Medium Trucks:	80.9%	4.6%	14.4%	1.28%
Heavy Trucks:	81.8%	3.6%	14.5%	0.36%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.67	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.19	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.67	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.6	71.4	70.3	65.4	73.3	73.8
Medium Trucks:	65.8	64.1	57.7	57.8	65.6	65.8
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.1
Vehicle Noise:	74.8	72.7	70.6	66.7	74.5	74.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	94	202	434	936
CNEL:	100	216	466	1,004

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	41,077 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,108 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.22	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.19	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.67	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.2	71.0	69.8	65.0	72.8	73.4
Medium Trucks:	65.8	64.1	57.7	57.8	65.6	65.8
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.1
Vehicle Noise:	74.4	72.4	70.2	66.3	74.1	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	89	191	412	888
CNEL:	95	205	442	952

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Rider St and Placentia Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	45,493 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,549 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.36%
Medium Trucks:	80.9%	4.6%	14.4%	1.28%
Heavy Trucks:	81.8%	3.6%	14.5%	0.36%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.67	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.19	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.67	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.6	71.4	70.3	65.4	73.3	73.8
Medium Trucks:	65.8	64.1	57.7	57.8	65.6	65.8
Heavy Trucks:	65.1	63.4	55.9	57.2	64.9	65.1
Vehicle Noise:	74.8	72.7	70.6	66.7	74.5	74.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	94	202	434	936
CNEL:	100	216	466	1,004

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	33,486 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,349 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	2.87	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-15.54	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-21.01	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.2	70.0	68.9	64.1	71.9	72.5
Medium Trucks:	64.6	62.9	56.5	56.7	64.5	64.6
Heavy Trucks:	63.5	61.9	54.4	55.6	63.4	63.5
Vehicle Noise:	73.4	71.3	69.3	65.3	73.1	73.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	95	205	443	954
CNEL:	102	220	475	1,023

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	41,825 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,183 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.55%
Medium Trucks:	80.9%	4.6%	14.4%	1.13%
Heavy Trucks:	81.8%	3.6%	14.5%	0.32%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	3.86	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-15.54	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-21.01	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.2	71.0	69.9	65.1	72.9	73.5
Medium Trucks:	64.6	62.9	56.5	56.7	64.5	64.6
Heavy Trucks:	63.5	61.9	54.4	55.6	63.4	63.5
Vehicle Noise:	74.2	72.1	70.2	66.1	73.9	74.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	107	231	498	1,072
CNEL:	115	248	535	1,153

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	41,646 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,165 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	3.82	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.59	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-20.07	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.2	71.0	69.8	65.0	72.9	73.4
Medium Trucks:	65.6	63.9	57.5	57.6	65.4	65.6
Heavy Trucks:	64.5	62.8	55.3	56.6	64.3	64.5
Vehicle Noise:	74.3	72.3	70.2	66.2	74.1	74.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	110	238	512	1,103
CNEL:	118	255	549	1,183

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	49,873 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,987 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.48%
Medium Trucks:	80.9%	4.6%	14.4%	1.18%
Heavy Trucks:	81.8%	3.6%	14.5%	0.33%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	4.62	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.59	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-20.07	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	74.0	71.8	70.6	65.8	73.7	74.2
Medium Trucks:	65.6	63.9	57.5	57.6	65.4	65.6
Heavy Trucks:	64.5	62.8	55.3	56.6	64.3	64.5
Vehicle Noise:	75.0	72.9	71.0	66.9	74.7	75.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	121	261	563	1,212
CNEL:	130	281	605	1,303

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) *Project Name:* Harvest Landing
Road Name: Nuevo Rd *Job Number:* 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	45,664 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,566 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	4.22	0.35	-1.20	*-4.69*	0.000	0.000
Medium Trucks:	81.00	-14.19	0.38	-1.20	*-4.88*	0.000	0.000
Heavy Trucks:	85.38	-19.67	0.38	-1.20	*-5.35*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	73.6	71.4	70.2	65.4	73.3	73.8
Medium Trucks:	66.0	64.3	57.9	58.0	65.8	66.0
Heavy Trucks:	64.9	63.2	55.7	57.0	64.7	64.9
Vehicle Noise:	74.7	72.7	70.6	66.6	74.5	74.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	117	253	544	1,173
CNEL:	126	271	584	1,258

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) *Project Name:* Harvest Landing
Road Name: Nuevo Rd *Job Number:* 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	54,004 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	5,400 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.46%
Medium Trucks:	80.9%	4.6%	14.4%	1.20%
Heavy Trucks:	81.8%	3.6%	14.5%	0.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	4.96	0.35	-1.20	*-4.69*	0.000	0.000
Medium Trucks:	81.00	-14.19	0.38	-1.20	*-4.88*	0.000	0.000
Heavy Trucks:	85.38	-19.67	0.38	-1.20	*-5.35*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	74.3	72.1	71.0	66.2	74.0	74.6
Medium Trucks:	66.0	64.3	57.9	58.0	65.8	66.0
Heavy Trucks:	64.9	63.2	55.7	57.0	64.7	64.9
Vehicle Noise:	75.3	73.2	71.3	67.2	75.0	75.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	128	276	594	1,281
CNEL:	138	297	639	1,376

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) *Project Name:* Harvest Landing
Road Name: Nuevo Rd *Job Number:* 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	45,664 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,566 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	4.22	0.35	-1.20	*-4.69*	0.000	0.000
Medium Trucks:	81.00	-14.19	0.38	-1.20	*-4.88*	0.000	0.000
Heavy Trucks:	85.38	-19.67	0.38	-1.20	*-5.35*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	73.6	71.4	70.2	65.4	73.3	73.8
Medium Trucks:	66.0	64.3	57.9	58.0	65.8	66.0
Heavy Trucks:	64.9	63.2	55.7	57.0	64.7	64.9
Vehicle Noise:	74.7	72.7	70.6	66.6	74.5	74.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	117	253	544	1,173
CNEL:	126	271	584	1,258

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) *Project Name:* Harvest Landing
Road Name: Nuevo Rd *Job Number:* 15605
Road Segment: between Perris Blvd and I-215 NB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	54,004 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	5,400 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.46%
Medium Trucks:	80.9%	4.6%	14.4%	1.20%
Heavy Trucks:	81.8%	3.6%	14.5%	0.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	70.20	4.96	0.35	-1.20	*-4.69*	0.000	0.000
Medium Trucks:	81.00	-14.19	0.38	-1.20	*-4.88*	0.000	0.000
Heavy Trucks:	85.38	-19.67	0.38	-1.20	*-5.35*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	74.3	72.1	71.0	66.2	74.0	74.6
Medium Trucks:	66.0	64.3	57.9	58.0	65.8	66.0
Heavy Trucks:	64.9	63.2	55.7	57.0	64.7	64.9
Vehicle Noise:	75.3	73.2	71.3	67.2	75.0	75.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	128	276	594	1,281
CNEL:	138	297	639	1,376

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E
Road Name: I-215 Frontage Rd
Road Segment: between Placentia Ave and Orange Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	5,666 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	567 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-3.87	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-22.29	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-27.76	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.9	62.7	61.6	56.8	64.6	65.2
Medium Trucks:	57.8	56.1	49.7	49.9	57.6	57.8
Heavy Trucks:	57.6	55.9	48.4	49.7	57.4	57.6
Vehicle Noise:	66.3	64.3	62.1	58.2	66.1	66.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	18	39	84	181
CNEL:	19	42	90	193

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP
Road Name: I-215 Frontage Rd
Road Segment: between Placentia Ave and Orange Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	14,372 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,437 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	87.49%
Medium Trucks:	80.9%	4.6%	14.4%	3.14%
Heavy Trucks:	81.8%	3.6%	14.5%	9.36%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-0.33	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-14.78	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-10.04	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	68.5	66.3	65.1	60.3	68.2	68.7
Medium Trucks:	65.3	63.6	57.2	57.4	65.1	65.3
Heavy Trucks:	75.3	73.7	66.2	67.4	75.2	75.3
Vehicle Noise:	76.5	74.7	69.0	68.5	76.3	76.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	87	187	403	868
CNEL:	90	193	416	897

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026)
Road Name: I-215 Frontage Rd
Road Segment: between Placentia Ave and Orange Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,006 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	601 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-3.62	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-22.03	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-27.51	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	65.2	63.0	61.9	57.0	64.9	65.4
Medium Trucks:	58.1	56.4	50.0	50.1	57.9	58.1
Heavy Trucks:	57.9	56.2	48.7	49.9	57.7	57.8
Vehicle Noise:	66.6	64.5	62.3	58.5	66.3	66.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	19	40	87	188
CNEL:	20	43	93	201

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026)
Road Name: I-215 Frontage Rd
Road Segment: between Placentia Ave and Orange Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	8,398 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	840 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	92.22%
Medium Trucks:	80.9%	4.6%	14.4%	2.43%
Heavy Trucks:	81.8%	3.6%	14.5%	5.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-2.44	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-18.22	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-14.81	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	66.4	64.2	63.0	58.2	66.1	66.6
Medium Trucks:	61.9	60.2	53.8	53.9	61.7	61.9
Heavy Trucks:	70.6	68.9	61.4	62.6	70.4	70.5
Vehicle Noise:	72.4	70.6	65.6	64.4	72.2	72.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	46	99	214	460
CNEL:	48	103	222	478

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) *Project Name:* Harvest Landing
Road Name: I-215 Frontage Rd *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	6,686 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	669 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-3.15	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-21.57	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-27.04	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	65.7	63.5	62.3	57.5	65.4	65.9
Medium Trucks:	58.5	56.8	50.4	50.6	58.3	58.5
Heavy Trucks:	58.3	56.7	49.2	50.4	58.2	58.3
Vehicle Noise:	67.1	65.0	62.8	59.0	66.8	67.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	20	43	94	202
CNEL:	22	46	100	216

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) *Project Name:* Harvest Landing
Road Name: I-215 Frontage Rd *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	15,392 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,539 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	88.20%
Medium Trucks:	80.9%	4.6%	14.4%	3.03%
Heavy Trucks:	81.8%	3.6%	14.5%	8.77%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	0.00	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-14.64	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-10.02	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	68.8	66.6	65.5	60.7	68.5	69.1
Medium Trucks:	65.5	63.7	57.3	57.5	65.3	65.5
Heavy Trucks:	75.3	73.7	66.2	67.4	75.2	75.3
Vehicle Noise:	76.6	74.8	69.1	68.6	76.4	76.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	88	189	407	878
CNEL:	91	196	421	908

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) *Project Name:* Harvest Landing
Road Name: I-215 Frontage Rd *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	9,236 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	924 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	-1.75	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-20.16	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-25.64	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	67.1	64.9	63.7	58.9	66.8	67.3
Medium Trucks:	59.9	58.2	51.8	52.0	59.7	59.9
Heavy Trucks:	59.7	58.1	50.6	51.8	59.6	59.7
Vehicle Noise:	68.5	66.4	64.2	60.4	68.2	68.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	25	54	116	250
CNEL:	27	58	124	268

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) *Project Name:* Harvest Landing
Road Name: I-215 Frontage Rd *Job Number:* 15605
Road Segment: between Placentia Ave and Orange Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	17,941 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,794 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	*Day*	*Evening*	*Night*	*Daily*
Autos:	72.3%	13.9%	13.8%	89.62%
Medium Trucks:	80.9%	4.6%	14.4%	2.80%
Heavy Trucks:	81.8%	3.6%	14.5%	7.58%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	*Grade Adjustment:*	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	*REMEL*	*Traffic Flow*	*Distance*	*Finite Road*	*Fresnel*	*Barrier Atten*	*Berm Atten*
Autos:	66.51	0.74	3.51	-1.20	*-4.52*	0.000	0.000
Medium Trucks:	77.72	-14.32	3.58	-1.20	*-4.86*	0.000	0.000
Heavy Trucks:	82.99	-9.99	3.57	-1.20	*-5.69*	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	*Leq Peak Hour*	*Leq Day*	*Leq Evening*	*Leq Night*	*Ldn*	*CNEL*
Autos:	69.6	67.4	66.2	61.4	69.3	69.8
Medium Trucks:	65.8	64.1	57.7	57.8	65.6	65.8
Heavy Trucks:	75.4	73.7	66.2	67.5	75.2	75.4
Vehicle Noise:	76.7	75.0	69.5	68.8	76.6	76.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	*65 dBA*	*60 dBA*	*55 dBA*
Ldn:	90	194	419	902
CNEL:	93	201	434	934

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,855 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	286 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-6.85	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-25.26	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-30.74	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.0	59.8	58.6	53.8	61.7	62.2
Medium Trucks:	54.8	53.1	46.7	46.9	54.6	54.8
Heavy Trucks:	54.6	53.0	45.5	46.7	54.5	54.6
Vehicle Noise:	63.4	61.3	59.1	55.3	63.1	63.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	11	25	53	114
CNEL:	12	26	57	122

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	10,431 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,043 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	94.09%
Medium Trucks:	80.9%	4.6%	14.4%	1.57%
Heavy Trucks:	81.8%	3.6%	14.5%	4.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-1.41	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-19.17	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-14.77	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.4	65.2	64.1	59.3	67.1	67.7
Medium Trucks:	60.9	59.2	52.8	53.0	60.7	60.9
Heavy Trucks:	70.6	68.9	61.4	62.7	70.4	70.6
Vehicle Noise:	72.6	70.8	66.2	64.6	72.4	72.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	48	103	221	477
CNEL:	50	107	231	497

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,026 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	303 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-6.60	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-25.01	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-30.49	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.2	60.0	58.9	54.1	61.9	62.5
Medium Trucks:	55.1	53.4	47.0	47.1	54.9	55.1
Heavy Trucks:	54.9	53.2	45.7	47.0	54.7	54.9
Vehicle Noise:	63.6	61.6	59.3	55.5	63.3	63.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	12	26	55	119
CNEL:	13	27	59	127

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	5,419 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	542 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	88.95%
Medium Trucks:	80.9%	4.6%	14.4%	2.99%
Heavy Trucks:	81.8%	3.6%	14.5%	8.06%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.50	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-19.23	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-14.92	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.3	62.1	61.0	56.2	64.0	64.6
Medium Trucks:	60.9	59.2	52.8	52.9	60.7	60.9
Heavy Trucks:	70.4	68.8	61.3	62.5	70.3	70.4
Vehicle Noise:	71.8	70.0	64.4	63.8	71.6	71.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	42	90	195	420
CNEL:	43	94	202	434

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,369 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	337 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-6.13	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-24.54	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-30.02	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.7	60.5	59.3	54.5	62.4	62.9
Medium Trucks:	55.6	53.8	47.4	47.6	55.4	55.5
Heavy Trucks:	55.3	53.7	46.2	47.4	55.2	55.3
Vehicle Noise:	64.1	62.0	59.8	56.0	63.8	64.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	13	28	59	128
CNEL:	14	29	63	137

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	10,945 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,095 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	94.28%
Medium Trucks:	80.9%	4.6%	14.4%	1.57%
Heavy Trucks:	81.8%	3.6%	14.5%	4.15%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-1.19	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-18.98	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-14.75	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.6	65.4	64.3	59.5	67.3	67.9
Medium Trucks:	61.1	59.4	53.0	53.2	60.9	61.1
Heavy Trucks:	70.6	69.0	61.5	62.7	70.4	70.6
Vehicle Noise:	72.7	70.9	66.3	64.7	72.5	72.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	48	104	224	483
CNEL:	50	109	234	504

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	4,654 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	465 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.73	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-23.14	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-28.62	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.1	61.9	60.8	55.9	63.8	64.3
Medium Trucks:	57.0	55.2	48.8	49.0	56.8	57.0
Heavy Trucks:	56.7	55.1	47.6	48.8	56.6	56.7
Vehicle Noise:	65.5	63.4	61.2	57.4	65.2	65.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	16	34	73	158
CNEL:	17	37	79	169

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: I-215 Frontage Rd | Job Number: 15605
Road Segment: between Orange Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	12,230 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,223 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	94.69%
Medium Trucks:	80.9%	4.6%	14.4%	1.55%
Heavy Trucks:	81.8%	3.6%	14.5%	3.76%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-0.69	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-18.55	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-14.70	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	68.1	65.9	64.8	60.0	67.8	68.4
Medium Trucks:	61.5	59.8	53.4	53.6	61.4	61.5
Heavy Trucks:	70.7	69.0	61.5	62.7	70.5	70.6
Vehicle Noise:	72.9	71.1	66.7	64.9	72.7	73.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	50	108	232	500
CNEL:	52	112	242	522

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	2,998 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	300 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-6.64	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-25.05	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-30.53	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.2	60.0	58.8	54.0	61.9	62.4
Medium Trucks:	55.0	53.3	46.9	47.1	54.9	55.0
Heavy Trucks:	54.8	53.2	45.7	46.9	54.7	54.8
Vehicle Noise:	63.6	61.5	59.3	55.5	63.3	63.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	12	25	55	118
CNEL:	13	27	59	126

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	5,347 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	535 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	77.86%
Medium Trucks:	80.9%	4.6%	14.4%	5.42%
Heavy Trucks:	81.8%	3.6%	14.5%	16.72%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-5.13	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-16.70	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-11.81	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	63.7	61.5	60.3	55.5	63.4	63.9
Medium Trucks:	63.4	61.7	55.3	55.4	63.2	63.4
Heavy Trucks:	73.6	71.9	64.4	65.6	73.4	73.5
Vehicle Noise:	74.3	72.6	66.2	66.4	74.2	74.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	63	135	290	625
CNEL:	64	139	298	643

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,178 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	318 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-6.38	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-24.80	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-30.27	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.4	60.2	59.1	54.3	62.1	62.7
Medium Trucks:	55.3	53.6	47.2	47.3	55.1	55.3
Heavy Trucks:	55.1	53.4	45.9	47.2	54.9	55.1
Vehicle Noise:	63.8	61.8	59.6	55.7	63.6	64.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	12	26	57	123
CNEL:	13	28	61	131

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,499 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	350 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.35%
Medium Trucks:	80.9%	4.6%	14.4%	1.29%
Heavy Trucks:	81.8%	3.6%	14.5%	0.36%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-5.96	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-24.80	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-30.27	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.9	60.7	59.5	54.7	62.6	63.1
Medium Trucks:	55.3	53.6	47.2	47.3	55.1	55.3
Heavy Trucks:	55.1	53.4	45.9	47.2	54.9	55.1
Vehicle Noise:	64.1	62.1	59.9	56.0	63.9	64.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	13	28	60	129
CNEL:	14	30	64	138

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	3,538 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	354 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-5.92	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-24.33	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-29.81	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.9	60.7	59.6	54.7	62.6	63.1
Medium Trucks:	55.8	54.1	47.7	47.8	55.6	55.8
Heavy Trucks:	55.6	53.9	46.4	47.6	55.4	55.5
Vehicle Noise:	64.3	62.2	60.0	56.2	64.0	64.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	13	28	61	132
CNEL:	14	30	66	141

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	5,887 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	589 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	79.72%
Medium Trucks:	80.9%	4.6%	14.4%	5.06%
Heavy Trucks:	81.8%	3.6%	14.5%	15.22%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.61	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-16.59	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-11.80	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.2	62.0	60.9	56.1	63.9	64.5
Medium Trucks:	63.5	61.8	55.4	55.6	63.3	63.5
Heavy Trucks:	73.6	71.9	64.4	65.6	73.4	73.5
Vehicle Noise:	74.4	72.7	66.4	66.5	74.2	74.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	63	136	293	631
CNEL:	65	140	302	650

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	4,887 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	489 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-4.52	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-22.93	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-28.40	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	64.3	62.1	61.0	56.1	64.0	64.5
Medium Trucks:	57.2	55.5	49.1	49.2	57.0	57.2
Heavy Trucks:	57.0	55.3	47.8	49.0	56.8	56.9
Vehicle Noise:	65.7	63.6	61.4	57.6	65.4	65.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	16	35	76	164
CNEL:	18	38	81	175

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Orange Ave | Job Number: 15605
Road Segment: between I-215 Frontage Rd and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	7,236 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	724 vehicles
Vehicle Speed:	40 mph
Near/Far Lane Distance:	34 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	33.0 feet
Centerline Dist. to Observer:	33.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	83.16%
Medium Trucks:	80.9%	4.6%	14.4%	4.38%
Heavy Trucks:	81.8%	3.6%	14.5%	12.46%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	28.723
Medium Trucks:	28.413
Heavy Trucks:	28.443

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	66.51	-3.53	3.51	-1.20	-4.52	0.000	0.000
Medium Trucks:	77.72	-16.32	3.58	-1.20	-4.86	0.000	0.000
Heavy Trucks:	82.99	-11.78	3.57	-1.20	-5.69	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	65.3	63.1	61.9	57.1	65.0	65.5
Medium Trucks:	63.8	62.1	55.7	55.8	63.6	63.8
Heavy Trucks:	73.6	71.9	64.4	65.7	73.4	73.6
Vehicle Noise:	74.6	72.8	66.7	66.6	74.4	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	65	139	300	647
CNEL:	67	144	309	666

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	22,066 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,207 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	1.52	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.89	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-22.37	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	70.5	68.3	67.1	62.3	70.1	70.7
Medium Trucks:	63.1	61.4	55.0	55.1	62.9	63.1
Heavy Trucks:	62.4	60.7	53.2	54.5	62.2	62.4
Vehicle Noise:	71.7	69.7	67.5	63.6	71.4	71.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	59	126	273	587
CNEL:	63	136	292	629

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	23,782 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,378 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.32%
Medium Trucks:	80.9%	4.6%	14.4%	1.31%
Heavy Trucks:	81.8%	3.6%	14.5%	0.37%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	1.85	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.89	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-22.37	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	70.8	68.6	67.4	62.6	70.5	71.0
Medium Trucks:	63.1	61.4	55.0	55.1	62.9	63.1
Heavy Trucks:	62.4	60.7	53.2	54.5	62.2	62.4
Vehicle Noise:	72.0	69.9	67.8	63.9	71.7	72.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	61	131	283	610
CNEL:	65	141	304	654

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	29,684 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,968 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.81	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.60	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-21.08	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.7	69.5	68.4	63.6	71.4	72.0
Medium Trucks:	64.4	62.6	56.2	56.4	64.2	64.4
Heavy Trucks:	63.7	62.0	54.5	55.8	63.5	63.7
Vehicle Noise:	73.0	70.9	68.8	64.9	72.7	73.2

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	72	154	332	715
CNEL:	77	165	356	767

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	30,951 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,095 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.26%
Medium Trucks:	80.9%	4.6%	14.4%	1.36%
Heavy Trucks:	81.8%	3.6%	14.5%	0.38%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.99	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.60	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-21.08	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.9	69.7	68.6	63.8	71.6	72.2
Medium Trucks:	64.4	62.6	56.2	56.4	64.2	64.4
Heavy Trucks:	63.7	62.0	54.5	55.8	63.5	63.7
Vehicle Noise:	73.1	71.1	69.0	65.0	72.9	73.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	73	157	339	731
CNEL:	78	169	364	784

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	32,332 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,233 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.18	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.23	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.71	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.1	69.9	68.8	64.0	71.8	72.4
Medium Trucks:	64.7	63.0	56.6	56.8	64.5	64.7
Heavy Trucks:	64.0	62.4	54.9	56.1	63.9	64.0
Vehicle Noise:	73.4	71.3	69.2	65.3	73.1	73.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	76	163	352	757
CNEL:	81	175	377	812

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	34,048 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,405 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.28%
Medium Trucks:	80.9%	4.6%	14.4%	1.34%
Heavy Trucks:	81.8%	3.6%	14.5%	0.38%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.41	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.23	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.71	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.3	70.1	69.0	64.2	72.0	72.6
Medium Trucks:	64.7	63.0	56.6	56.8	64.5	64.7
Heavy Trucks:	64.0	62.4	54.9	56.1	63.9	64.0
Vehicle Noise:	73.6	71.5	69.4	65.5	73.3	73.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	78	168	361	777
CNEL:	83	180	387	834

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	32,332 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,233 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.18	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.23	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.71	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.1	69.9	68.8	64.0	71.8	72.4
Medium Trucks:	64.7	63.0	56.6	56.8	64.5	64.7
Heavy Trucks:	64.0	62.4	54.9	56.1	63.9	64.0
Vehicle Noise:	73.4	71.3	69.2	65.3	73.1	73.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	76	163	352	757
CNEL:	81	175	377	812

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Nuevo Rd | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	34,048 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,405 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.28%
Medium Trucks:	80.9%	4.6%	14.4%	1.34%
Heavy Trucks:	81.8%	3.6%	14.5%	0.38%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.41	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.23	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.71	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.3	70.1	69.0	64.2	72.0	72.6
Medium Trucks:	64.7	63.0	56.6	56.8	64.5	64.7
Heavy Trucks:	64.0	62.4	54.9	56.1	63.9	64.0
Vehicle Noise:	73.6	71.5	69.4	65.5	73.3	73.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	78	168	361	777
CNEL:	83	180	387	834

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E
Road Name: Perris Blvd
Road Segment: between Citrus Ave and Nuevo Rd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	26,744 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,674 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	1.90	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.52	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-21.99	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.3	69.1	67.9	63.1	71.0	71.5
Medium Trucks:	63.7	62.0	55.6	55.7	63.5	63.7
Heavy Trucks:	62.6	60.9	53.4	54.6	62.4	62.5
Vehicle Noise:	72.4	70.4	68.3	64.3	72.2	72.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	82	177	381	821
CNEL:	88	190	409	881

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP
Road Name: Perris Blvd
Road Segment: between Citrus Ave and Nuevo Rd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	40,438 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,044 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.80%
Medium Trucks:	80.9%	4.6%	14.4%	0.94%
Heavy Trucks:	81.8%	3.6%	14.5%	0.27%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	3.72	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.52	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-21.99	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.1	70.9	69.7	64.9	72.8	73.3
Medium Trucks:	63.7	62.0	55.6	55.7	63.5	63.7
Heavy Trucks:	62.6	60.9	53.4	54.6	62.4	62.5
Vehicle Noise:	73.9	71.8	70.0	65.8	73.6	74.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	103	221	476	1,025
CNEL:	110	238	513	1,104

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026)
Road Name: Perris Blvd
Road Segment: between Citrus Ave and Nuevo Rd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	39,262 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,926 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	3.57	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.85	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-20.32	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.9	70.7	69.6	64.8	72.6	73.2
Medium Trucks:	65.3	63.6	57.2	57.4	65.1	65.3
Heavy Trucks:	64.2	62.6	55.1	56.3	64.1	64.2
Vehicle Noise:	74.1	72.0	70.0	66.0	73.8	74.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	106	228	492	1,060
CNEL:	114	245	528	1,138

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026)
Road Name: Perris Blvd
Road Segment: between Citrus Ave and Nuevo Rd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	51,833 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	5,183 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.62%
Medium Trucks:	80.9%	4.6%	14.4%	1.07%
Heavy Trucks:	81.8%	3.6%	14.5%	0.30%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	4.79	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.85	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-20.32	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	74.1	71.9	70.8	66.0	73.8	74.4
Medium Trucks:	65.3	63.6	57.2	57.4	65.1	65.3
Heavy Trucks:	64.2	62.6	55.1	56.3	64.1	64.2
Vehicle Noise:	75.1	73.0	71.1	66.9	74.8	75.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	123	265	570	1,229
CNEL:	132	285	614	1,322

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Citrus Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	42,471 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,247 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	3.91	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.51	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-19.98	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.3	71.1	69.9	65.1	73.0	73.5
Medium Trucks:	65.7	64.0	57.6	57.7	65.5	65.7
Heavy Trucks:	64.6	62.9	55.4	56.7	64.4	64.5
Vehicle Noise:	74.4	72.4	70.3	66.3	74.2	74.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	112	241	519	1,117
CNEL:	120	258	556	1,199

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Citrus Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	56,165 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	5,616 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.63%
Medium Trucks:	80.9%	4.6%	14.4%	1.07%
Heavy Trucks:	81.8%	3.6%	14.5%	0.30%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	5.14	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.51	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-19.98	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	74.5	72.3	71.2	66.3	74.2	74.7
Medium Trucks:	65.7	64.0	57.6	57.7	65.5	65.7
Heavy Trucks:	64.6	62.9	55.4	56.7	64.4	64.5
Vehicle Noise:	75.4	73.3	71.4	67.3	75.1	75.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	130	279	602	1,296
CNEL:	139	300	647	1,394

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Citrus Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	46,021 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,602 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	4.25	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.16	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-19.63	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.6	71.4	70.3	65.5	73.3	73.9
Medium Trucks:	66.0	64.3	57.9	58.1	65.8	66.0
Heavy Trucks:	64.9	63.3	55.8	57.0	64.8	64.9
Vehicle Noise:	74.8	72.7	70.7	66.7	74.5	75.0

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	118	254	547	1,179
CNEL:	126	272	587	1,265

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Perris Blvd | Job Number: 15605
Road Segment: between Citrus Ave and Nuevo Rd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	59,715 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	5,971 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.60%
Medium Trucks:	80.9%	4.6%	14.4%	1.09%
Heavy Trucks:	81.8%	3.6%	14.5%	0.31%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	5.40	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-14.16	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-19.63	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	74.8	72.6	71.4	66.6	74.5	75.0
Medium Trucks:	66.0	64.3	57.9	58.1	65.8	66.0
Heavy Trucks:	64.9	63.3	55.8	57.0	64.8	64.9
Vehicle Noise:	75.7	73.6	71.7	67.6	75.4	75.9

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	135	292	628	1,353
CNEL:	146	314	676	1,456

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	18,457 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,846 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	0.74	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-17.67	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-23.14	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	69.7	67.5	66.3	61.5	69.4	69.9
Medium Trucks:	62.3	60.6	54.2	54.3	62.1	62.3
Heavy Trucks:	61.6	60.0	52.5	53.7	61.4	61.6
Vehicle Noise:	70.9	68.9	66.8	62.8	70.7	71.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	52	112	242	521
CNEL:	56	120	259	559

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	28,159 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,816 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	92.79%
Medium Trucks:	80.9%	4.6%	14.4%	2.25%
Heavy Trucks:	81.8%	3.6%	14.5%	4.96%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.33	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-13.83	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-10.39	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.3	69.1	67.9	63.1	71.0	71.5
Medium Trucks:	66.1	64.4	58.0	58.2	65.9	66.1
Heavy Trucks:	74.4	72.7	65.2	66.5	74.2	74.4
Vehicle Noise:	76.5	74.7	70.1	68.5	76.3	76.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	124	267	575	1,238
CNEL:	129	278	599	1,291

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	30,384 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,038 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.91	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.50	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.98	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.8	69.6	68.5	63.7	71.5	72.1
Medium Trucks:	64.5	62.7	56.3	56.5	64.3	64.5
Heavy Trucks:	63.8	62.1	54.6	55.9	63.6	63.8
Vehicle Noise:	73.1	71.0	68.9	65.0	72.8	73.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	73	157	337	727
CNEL:	78	168	362	779

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	36,080 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,608 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	97.57%
Medium Trucks:	80.9%	4.6%	14.4%	1.39%
Heavy Trucks:	81.8%	3.6%	14.5%	1.04%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.63	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-14.83	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-16.08	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.6	70.4	69.2	64.4	72.3	72.8
Medium Trucks:	65.1	63.4	57.0	57.2	64.9	65.1
Heavy Trucks:	68.7	67.0	59.5	60.8	68.5	68.7
Vehicle Noise:	74.6	72.6	69.9	66.5	74.3	74.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	91	197	423	912
CNEL:	97	209	450	971

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	32,599 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,260 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.21	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.20	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.67	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.1	69.9	68.8	64.0	71.8	72.4
Medium Trucks:	64.8	63.1	56.7	56.8	64.6	64.8
Heavy Trucks:	64.1	62.4	54.9	56.2	63.9	64.1
Vehicle Noise:	73.4	71.4	69.2	65.3	73.1	73.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	76	164	353	762
CNEL:	82	176	379	816

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	42,301 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,230 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	94.59%
Medium Trucks:	80.9%	4.6%	14.4%	1.97%
Heavy Trucks:	81.8%	3.6%	14.5%	3.44%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.18	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-12.63	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-10.21	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.1	70.9	69.8	65.0	72.8	73.4
Medium Trucks:	67.3	65.6	59.2	59.4	67.1	67.3
Heavy Trucks:	74.5	72.9	65.4	66.6	74.4	74.5
Vehicle Noise:	77.4	75.5	71.4	69.3	77.1	77.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	141	303	652	1,405
CNEL:	147	317	683	1,472

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	32,599 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,260 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.21	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-15.20	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-20.67	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.1	69.9	68.8	64.0	71.8	72.4
Medium Trucks:	64.8	63.1	56.7	56.8	64.6	64.8
Heavy Trucks:	64.1	62.4	54.9	56.2	63.9	64.1
Vehicle Noise:	73.4	71.4	69.2	65.3	73.1	73.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	76	164	353	762
CNEL:	82	176	379	816

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and I-215 SB Ramps

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	42,301 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,230 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	94.59%
Medium Trucks:	80.9%	4.6%	14.4%	1.97%
Heavy Trucks:	81.8%	3.6%	14.5%	3.44%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.18	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-12.63	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-10.21	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.1	70.9	69.8	65.0	72.8	73.4
Medium Trucks:	67.3	65.6	59.2	59.4	67.1	67.3
Heavy Trucks:	74.5	72.9	65.4	66.6	74.4	74.5
Vehicle Noise:	77.4	75.5	71.4	69.3	77.1	77.4

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	141	303	652	1,405
CNEL:	147	317	683	1,472

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E
Road Name: Placentia Ave
Road Segment: between I-215 NB Ramps and Indian Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	25,715 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,572 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	2.18	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.23	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-21.70	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.1	68.9	67.8	63.0	70.8	71.4
Medium Trucks:	63.7	62.0	55.6	55.8	63.5	63.7
Heavy Trucks:	63.1	61.4	53.9	55.1	62.9	63.0
Vehicle Noise:	72.4	70.3	68.2	64.3	72.1	72.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	65	140	302	650
CNEL:	70	150	323	697

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP
Road Name: Placentia Ave
Road Segment: between I-215 NB Ramps and Indian Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	34,256 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,426 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.64%
Medium Trucks:	80.9%	4.6%	14.4%	1.06%
Heavy Trucks:	81.8%	3.6%	14.5%	0.30%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	3.45	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-16.23	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-21.70	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.4	70.2	69.0	64.2	72.1	72.6
Medium Trucks:	63.7	62.0	55.6	55.8	63.5	63.7
Heavy Trucks:	63.1	61.4	53.9	55.1	62.9	63.0
Vehicle Noise:	73.4	71.3	69.4	65.3	73.1	73.6

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	75	163	350	755
CNEL:	81	175	377	811

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026)
Road Name: Placentia Ave
Road Segment: between I-215 NB Ramps and Indian Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	43,472 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,347 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.46	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-13.95	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.42	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.4	71.2	70.1	65.2	73.1	73.6
Medium Trucks:	66.0	64.3	57.9	58.1	65.8	66.0
Heavy Trucks:	65.3	63.7	56.2	57.4	65.2	65.3
Vehicle Noise:	74.7	72.6	70.5	66.6	74.4	74.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	92	199	428	923
CNEL:	99	213	459	989

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026)
Road Name: Placentia Ave
Road Segment: between I-215 NB Ramps and Indian Ave
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	48,982 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,898 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.39%
Medium Trucks:	80.9%	4.6%	14.4%	1.26%
Heavy Trucks:	81.8%	3.6%	14.5%	0.36%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.99	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-13.95	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.42	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.9	71.7	70.6	65.8	73.6	74.2
Medium Trucks:	66.0	64.3	57.9	58.1	65.8	66.0
Heavy Trucks:	65.3	63.7	56.2	57.4	65.2	65.3
Vehicle Noise:	75.1	73.0	71.0	67.0	74.8	75.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	98	211	455	981
CNEL:	105	227	488	1,052

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	46,558 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,656 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.76	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-13.65	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.13	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.7	71.5	70.4	65.5	73.4	73.9
Medium Trucks:	66.3	64.6	58.2	58.4	66.1	66.3
Heavy Trucks:	65.6	64.0	56.5	57.7	65.5	65.6
Vehicle Noise:	75.0	72.9	70.8	66.9	74.7	75.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	97	208	448	966
CNEL:	104	223	480	1,035

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	55,098 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	5,510 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.47%
Medium Trucks:	80.9%	4.6%	14.4%	1.20%
Heavy Trucks:	81.8%	3.6%	14.5%	0.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	5.51	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-13.65	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.13	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	74.4	72.2	71.1	66.3	74.1	74.7
Medium Trucks:	66.3	64.6	58.2	58.4	66.1	66.3
Heavy Trucks:	65.6	64.0	56.5	57.7	65.5	65.6
Vehicle Noise:	75.5	73.4	71.5	67.4	75.3	75.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	105	227	489	1,053
CNEL:	113	244	525	1,131

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	46,558 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	4,656 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	4.76	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-13.65	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.13	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.7	71.5	70.4	65.5	73.4	73.9
Medium Trucks:	66.3	64.6	58.2	58.4	66.1	66.3
Heavy Trucks:	65.6	64.0	56.5	57.7	65.5	65.6
Vehicle Noise:	75.0	72.9	70.8	66.9	74.7	75.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	97	208	448	966
CNEL:	104	223	480	1,035

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between I-215 NB Ramps and Indian Ave

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	55,098 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	5,510 vehicles
Vehicle Speed:	45 mph
Near/Far Lane Distance:	56 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	47.0 feet
Centerline Dist. to Observer:	47.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.47%
Medium Trucks:	80.9%	4.6%	14.4%	1.20%
Heavy Trucks:	81.8%	3.6%	14.5%	0.34%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	38.079
Medium Trucks:	37.846
Heavy Trucks:	37.869

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	68.46	5.51	1.67	-1.20	-4.63	0.000	0.000
Medium Trucks:	79.45	-13.65	1.71	-1.20	-4.87	0.000	0.000
Heavy Trucks:	84.25	-19.13	1.71	-1.20	-5.46	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	74.4	72.2	71.1	66.3	74.1	74.7
Medium Trucks:	66.3	64.6	58.2	58.4	66.1	66.3
Heavy Trucks:	65.6	64.0	56.5	57.7	65.5	65.6
Vehicle Noise:	75.5	73.4	71.5	67.4	75.3	75.7

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	105	227	489	1,053
CNEL:	113	244	525	1,131

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: E
Road Name: Placentia Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	11,227 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,123 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	-1.87	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-20.28	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-25.76	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	67.5	65.3	64.1	59.3	67.2	67.7
Medium Trucks:	59.9	58.2	51.8	51.9	59.7	59.9
Heavy Trucks:	58.8	57.1	49.6	50.9	58.6	58.8
Vehicle Noise:	68.7	66.6	64.5	60.6	68.4	68.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	46	99	214	460
CNEL:	49	106	229	494

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: EP
Road Name: Placentia Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	19,517 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	1,952 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.96%
Medium Trucks:	80.9%	4.6%	14.4%	0.81%
Heavy Trucks:	81.8%	3.6%	14.5%	0.23%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	0.56	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-20.28	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-25.76	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	69.9	67.7	66.6	61.8	69.6	70.2
Medium Trucks:	59.9	58.2	51.8	51.9	59.7	59.9
Heavy Trucks:	58.8	57.1	49.6	50.9	58.6	58.8
Vehicle Noise:	70.6	68.5	66.8	62.5	70.3	70.8

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	62	134	289	622
CNEL:	67	144	311	671

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2026)
Road Name: Placentia Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	25,000 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,500 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	1.60	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.81	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-22.28	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.0	68.8	67.6	62.8	70.7	71.2
Medium Trucks:	63.4	61.7	55.3	55.4	63.2	63.4
Heavy Trucks:	62.3	60.6	53.1	54.4	62.1	62.2
Vehicle Noise:	72.1	70.1	68.0	64.0	71.9	72.3

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	78	169	364	785
CNEL:	84	181	391	842

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2026)
Road Name: Placentia Ave
Road Segment: between Indian Ave and Perris Blvd
Project Name: Harvest Landing
Job Number: 15605

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	30,933 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,093 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.53%
Medium Trucks:	80.9%	4.6%	14.4%	1.14%
Heavy Trucks:	81.8%	3.6%	14.5%	0.32%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	2.54	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.81	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-22.28	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.9	69.7	68.6	63.7	71.6	72.1
Medium Trucks:	63.4	61.7	55.3	55.4	63.2	63.4
Heavy Trucks:	62.3	60.6	53.1	54.4	62.1	62.2
Vehicle Noise:	72.9	70.8	68.9	64.8	72.6	73.1

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	88	189	408	878
CNEL:	94	203	438	944

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OY (2030) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	26,347 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,635 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	1.83	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.58	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-22.06	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.2	69.0	67.8	63.0	70.9	71.4
Medium Trucks:	63.6	61.9	55.5	55.7	63.4	63.6
Heavy Trucks:	62.5	60.8	53.3	54.6	62.3	62.5
Vehicle Noise:	72.4	70.3	68.2	64.3	72.1	72.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	81	175	377	813
CNEL:	87	188	405	872

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: OYP (2030) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	34,637 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,464 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.62%
Medium Trucks:	80.9%	4.6%	14.4%	1.08%
Heavy Trucks:	81.8%	3.6%	14.5%	0.31%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	3.04	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.58	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-22.06	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.4	70.2	69.1	64.2	72.1	72.6
Medium Trucks:	63.6	61.9	55.5	55.7	63.4	63.6
Heavy Trucks:	62.5	60.8	53.3	54.6	62.3	62.5
Vehicle Noise:	73.3	71.2	69.4	65.2	73.0	73.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	94	202	436	940
CNEL:	101	218	469	1,011

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GP (2045) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	26,347 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	2,635 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.18%
Medium Trucks:	80.9%	4.6%	14.4%	1.42%
Heavy Trucks:	81.8%	3.6%	14.5%	0.40%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	1.83	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.58	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-22.06	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	71.2	69.0	67.8	63.0	70.9	71.4
Medium Trucks:	63.6	61.9	55.5	55.7	63.4	63.6
Heavy Trucks:	62.5	60.8	53.3	54.6	62.3	62.5
Vehicle Noise:	72.4	70.3	68.2	64.3	72.1	72.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	81	175	377	813
CNEL:	87	188	405	872

Tuesday, January 14, 2025

FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL (9/12/2021)

Scenario: GPP (2045) | Project Name: Harvest Landing
Road Name: Placentia Ave | Job Number: 15605
Road Segment: between Indian Ave and Perris Blvd

SITE SPECIFIC INPUT DATA

Highway Data

Average Daily Traffic (Adt):	34,637 vehicles
Peak Hour Percentage:	10.00%
Peak Hour Volume:	3,464 vehicles
Vehicle Speed:	50 mph
Near/Far Lane Distance:	73 feet

Site Data

Barrier Height:	**0.0 feet**
Barrier Type (0-Wall, 1-Berm):	0.0
Centerline Dist. to Barrier:	59.0 feet
Centerline Dist. to Observer:	59.0 feet
Barrier Distance to Observer:	0.0 feet
Observer Height (Above Pad):	5.0 feet
Pad Elevation:	0.0 feet
Road Elevation:	0.0 feet
Road Grade:	0.0%
Left View:	-90.0 degrees
Right View:	90.0 degrees

NOISE MODEL INPUTS

Site Conditions (Hard = 10, Soft = 15)

Autos:	15
Medium Trucks (2 Axles):	15
Heavy Trucks (3+ Axles):	15

Vehicle Mix

VehicleType	Day	Evening	Night	Daily
Autos:	72.3%	13.9%	13.8%	98.62%
Medium Trucks:	80.9%	4.6%	14.4%	1.08%
Heavy Trucks:	81.8%	3.6%	14.5%	0.31%

Noise Source Elevations (in feet)

Autos:	0.000		
Medium Trucks:	2.297		
Heavy Trucks:	8.004	Grade Adjustment:	0.0

Lane Equivalent Distance (in feet)

Autos:	46.623
Medium Trucks:	46.433
Heavy Trucks:	46.452

FHWA Noise Model Calculations

VehicleType	REMEL	Traffic Flow	Distance	Finite Road	Fresnel	Barrier Atten	Berm Atten
Autos:	70.20	3.04	0.35	-1.20	-4.69	0.000	0.000
Medium Trucks:	81.00	-16.58	0.38	-1.20	-4.88	0.000	0.000
Heavy Trucks:	85.38	-22.06	0.38	-1.20	-5.35	0.000	0.000

Unmitigated Noise Levels (without Topo and barrier attenuation)

VehicleType	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	72.4	70.2	69.1	64.2	72.1	72.6
Medium Trucks:	63.6	61.9	55.5	55.7	63.4	63.6
Heavy Trucks:	62.5	60.8	53.3	54.6	62.3	62.5
Vehicle Noise:	73.3	71.2	69.4	65.2	73.0	73.5

Centerline Distance to Noise Contour (in feet)

	70 dBA	65 dBA	60 dBA	55 dBA
Ldn:	94	202	436	940
CNEL:	101	218	469	1,011

Tuesday, January 14, 2025

APPENDIX 9.1:

PHASE 1 - OPERATIONAL NOISE CALCULATIONS (LMAX)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_Phase1.cna
Date: 19.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (#(Unit,LEN))	**2000.01**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (#(Unit,LEN))	**999.99**
Min. Length of Section (#(Unit,LEN))	**1.01**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**100.00**
Search Radius Rcvr	**100.00**
Max. Distance Source - Rcvr	**1000.00 1000.00**
Min. Distance Rvcr - Reflector	**1.00 1.00**
Min. Distance Source - Reflector	**0.10**
Industrial (ISO 9613)	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (#(Unit,TEMP))	**10**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (#(Unit,SPEED))	**3.0**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	51.6	51.2	57.9	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	50.3	50.0	56.7	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	54.9	54.7	61.4	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	51.7	51.5	58.2	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	51.5	51.3	58.0	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	54.5	54.3	61.0	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	53.9	53.7	60.4	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	50.0	49.8	56.5	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	54.0	53.9	60.6	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC001	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264905.42	2241692.52	35.00
POINTSOURCE		AC002	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265010.64	2241700.48	35.00
POINTSOURCE		AC003	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264840.43	2241652.73	35.00
POINTSOURCE		AC004	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264800.19	2241697.39	35.00
POINTSOURCE		AC005	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264238.09	2239948.49	35.00
POINTSOURCE		AC006	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263998.41	2239941.89	35.00
POINTSOURCE		AC007	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263995.11	2239780.27	35.00
POINTSOURCE		AC008	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264240.29	2239790.16	35.00
POINTSOURCE		AC009	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264239.19	2240096.91	35.00
POINTSOURCE		AC010	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263995.11	2240098.01	35.00
POINTSOURCE		AC011	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265005.74	2240043.36	35.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC012	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264975.30	2240103.77	35.00
POINTSOURCE		AC013	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265009.95	2240275.15	35.00
POINTSOURCE		AC014	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264982.79	2240338.84	35.00
POINTSOURCE		AC015	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265005.66	2240539.89	35.00
POINTSOURCE		AC016	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265045.25	2240582.25	35.00
POINTSOURCE		AC017	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264445.25	2240602.39	35.00
POINTSOURCE		AC018	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264615.39	2240764.19	35.00
POINTSOURCE		AC019	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264430.66	2240829.47	35.00
POINTSOURCE		AC020	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264596.64	2241010.03	35.00
POINTSOURCE		AC021	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264443.86	2241057.94	35.00
POINTSOURCE		AC022	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264589.00	2241141.28	35.00
POINTSOURCE		AC023	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264496.64	2241178.78	35.00
POINTSOURCE		AC024	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264590.39	2241247.53	35.00
POINTSOURCE		AC025	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264475.11	2241304.47	35.00
POINTSOURCE		AC026	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264585.52	2241368.36	35.00
POINTSOURCE		AC027	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264498.02	2241419.05	35.00
POINTSOURCE		AC028	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264574.41	2241464.89	35.00
POINTSOURCE		AC029	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264572.33	2241513.50	35.00
POINTSOURCE		AC030	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264571.64	2241589.19	35.00
POINTSOURCE		AC031	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264507.75	2241591.28	35.00
POINTSOURCE		AC032	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264451.50	2241581.55	35.00
POINTSOURCE		AC033	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264418.16	2241619.75	35.00
POINTSOURCE		AC034	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265016.77	2241022.53	35.00
POINTSOURCE		AC035	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265044.55	2241106.55	35.00
POINTSOURCE		AC036	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265004.27	2241248.92	35.00
POINTSOURCE		AC037	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264786.22	2241560.03	35.00
POINTSOURCE		AC038	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264807.05	2241596.14	35.00
POINTSOURCE		AC039	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264860.52	2241589.19	35.00
POINTSOURCE		AC040	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264899.41	2241555.17	35.00
POINTSOURCE		AC041	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265036.91	2241546.14	35.00
POINTSOURCE		AC042	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265061.22	2241602.39	35.00
POINTSOURCE		AC043	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263560.23	2239034.89	35.00
POINTSOURCE		AC044	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263621.46	2238967.62	35.00
POINTSOURCE		AC045	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263574.03	2239474.73	35.00
POINTSOURCE		AC046	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263634.40	2239542.86	35.00
POINTSOURCE		AC047	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262813.36	2239025.40	35.00
POINTSOURCE		AC048	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262768.52	2238965.89	35.00
POINTSOURCE		AC049	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262833.20	2239494.56	35.00
POINTSOURCE		AC050	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262780.59	2239545.45	35.00
POINTSOURCE		AC051	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263236.00	2240627.65	50.00
POINTSOURCE		AC052	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263402.67	2240619.84	50.00
POINTSOURCE		AC053	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263540.69	2240617.24	50.00
POINTSOURCE		AC054	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263397.46	2241083.38	50.00
POINTSOURCE		AC055	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263545.90	2241085.99	50.00
POINTSOURCE		AC056	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263249.02	2241093.80	50.00
POINTSOURCE		AC057	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263658.03	2238259.79	50.00
POINTSOURCE		AC058	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263714.21	2238205.99	50.00
POINTSOURCE		AC059	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263092.54	2238257.39	50.00
POINTSOURCE		AC060	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263147.54	2238205.99	50.00
POINTSOURCE		AC061	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262336.83	2239819.15	50.00
POINTSOURCE		AC062	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262364.61	2239835.64	50.00
POINTSOURCE		AC063	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262238.74	2239934.60	50.00
POINTSOURCE		AC064	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262198.81	2239914.63	50.00
POINTSOURCE		AC065	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262036.48	2240431.13	50.00
POINTSOURCE		AC066	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261987.00	2240409.42	50.00
POINTSOURCE		AC067	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262249.64	2240949.26	50.00
POINTSOURCE		AC068	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262303.22	2240895.69	50.00
POINTSOURCE		AC069	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262259.48	2241619.49	50.00
POINTSOURCE		AC070	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262311.96	2241676.34	50.00
POINTSOURCE		AC071	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261894.31	2241628.23	50.00
POINTSOURCE		AC072	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261846.20	2241680.71	50.00
POINTSOURCE		DT01	86.5	86.5	86.5	Lw	86.5		900.00	0.00	270.00	3.00	a	6265083.50	2241059.12	3.00
POINTSOURCE		DT02	86.5	86.5	86.5	Lw	86.5		900.00	0.00	270.00	3.00	a	6265022.01	2241213.96	3.00
POINTSOURCE		GAS01	86.1	86.1	86.1	Lw	86.1					5.00	a	6264923.06	2239575.77	5.00
POINTSOURCE		GAS02	86.1	86.1	86.1	Lw	86.1					5.00	a	6264838.40	2239574.67	5.00
POINTSOURCE		GAS03	86.1	86.1	86.1	Lw	86.1					5.00	a	6264923.06	2239615.35	5.00
POINTSOURCE		GAS04	86.1	86.1	86.1	Lw	86.1					5.00	a	6264839.50	2239614.25	5.00
POINTSOURCE		GAS05	86.1	86.1	86.1	Lw	86.1					5.00	a	6264925.25	2239651.63	5.00
POINTSOURCE		GAS06	86.1	86.1	86.1	Lw	86.1					5.00	a	6264840.60	2239650.53	5.00
POINTSOURCE		GAS07	86.1	86.1	86.1	Lw	86.1					5.00	a	6264925.25	2239695.61	5.00
POINTSOURCE		GAS08	86.1	86.1	86.1	Lw	86.1					5.00	a	6264839.50	2239694.51	5.00
POINTSOURCE		GAS09	86.1	86.1	86.1	Lw	86.1					5.00	a	6264927.45	2239731.89	5.00
POINTSOURCE		GAS10	86.1	86.1	86.1	Lw	86.1					5.00	a	6264840.60	2239735.19	5.00
POINTSOURCE		TRASH01	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262454.10	2241589.97	5.00
POINTSOURCE		TRASH02	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262445.35	2240895.69	5.00
POINTSOURCE		TRASH03	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6261841.82	2240960.20	5.00
POINTSOURCE		TRASH04	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262200.33	2240231.45	5.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		TRASH05	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262226.73	2240169.15	5.00
POINTSOURCE		TRASH06	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262342.87	2239573.63	5.00
POINTSOURCE		TRASH07	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262385.03	2239732.73	5.00
POINTSOURCE		TRASH08	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263105.70	2238656.70	5.00
POINTSOURCE		TRASH09	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263652.05	2238657.89	5.00
POINTSOURCE		TRASH10	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262867.69	2239694.65	5.00
POINTSOURCE		TRASH11	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263530.04	2239695.51	5.00
POINTSOURCE		TRASH12	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262850.45	2238816.69	5.00
POINTSOURCE		TRASH13	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263514.52	2238816.69	5.00
POINTSOURCE		TRASH14	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264390.39	2240655.17	5.00
POINTSOURCE		TRASH15	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264342.47	2241025.30	5.00
POINTSOURCE		TRASH16	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264352.89	2241540.58	5.00
POINTSOURCE		TRASH17	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264353.58	2241254.47	5.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)	
LINESOURCE		TRUCK01	91.4	91.4	91.4	64.6	64.6	64.6	Lw	91.4									8	a
LINESOURCE		TRUCK02	91.4	91.4	91.4	69.1	69.1	69.1	Lw	91.4									8	a
LINESOURCE		TRUCK03	91.4	91.4	91.4	69.7	69.7	69.7	Lw	91.4									8	a
LINESOURCE		TRUCK04	91.4	91.4	91.4	75.8	75.8	75.8	Lw	91.4									8	a
LINESOURCE		TRUCK05	91.4	91.4	91.4	68.4	68.4	68.4	Lw	91.4									8	a
LINESOURCE		TRUCK06	91.4	91.4	91.4	76.9	76.9	76.9	Lw	91.4									8	a
LINESOURCE		TRUCK07	91.4	91.4	91.4	66.8	66.8	66.8	Lw	91.4									8	a
LINESOURCE		TRUCK08	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4									8	a
LINESOURCE		TRUCK09	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4									8	a
LINESOURCE		TRUCK10	91.4	91.4	91.4	66.4	66.4	66.4	Lw	91.4									8	a
LINESOURCE		TRUCK11	91.4	91.4	91.4	62.7	62.7	62.7	Lw	91.4									8	a
LINESOURCE		TRUCK13	91.4	91.4	91.4	65.4	65.4	65.4	Lw	91.4									8	a
LINESOURCE		TRUCK14	91.4	91.4	91.4	64.6	64.6	64.6	Lw	91.4									8	a
LINESOURCE		TRUCK15	91.4	91.4	91.4	66.7	66.7	66.7	Lw	91.4									8	a
LINESOURCE		TRUCK16	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4									8	a
LINESOURCE		TRUCK17	91.4	91.4	91.4	63.0	63.0	63.0	Lw	91.4									8	a
LINESOURCE		TRUCK18	91.4	91.4	91.4	67.3	67.3	67.3	Lw	91.4									8	a
LINESOURCE		TRUCK19	91.4	91.4	91.4	70.5	70.5	70.5	Lw	91.4									8	a
LINESOURCE		TRUCK20	91.4	91.4	91.4	67.7	67.7	67.7	Lw	91.4									8	a
LINESOURCE		TRUCK21	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4									8	a
LINESOURCE		TRUCK22	91.4	91.4	91.4	67.7	67.7	67.7	Lw	91.4									8	a
LINESOURCE		TRUCK23	91.4	91.4	91.4	67.6	67.6	67.6	Lw	91.4									8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK01	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261771.48	2240997.61	8.00	0.00
						6261776.46	2240964.20	8.00	0.00
						6261783.50	2240931.17	8.00	0.00
						6261792.58	2240898.63	8.00	0.00
						6261803.65	2240866.72	8.00	0.00
						6261816.68	2240835.55	8.00	0.00
						6261818.62	2240828.59	8.00	0.00
						6261821.68	2240822.05	8.00	0.00
						6261825.76	2240816.08	8.00	0.00
						6261830.77	2240810.86	8.00	0.00
						6261836.55	2240806.53	8.00	0.00
						6261842.96	2240803.20	8.00	0.00
						6261849.84	2240800.96	8.00	0.00
						6261856.98	2240799.87	8.00	0.00
						6261864.21	2240799.96	8.00	0.00
						6261871.32	2240801.23	8.00	0.00
						6261878.14	2240803.64	8.00	0.00
						6261884.46	2240807.13	8.00	0.00
						6261904.69	2240810.69	8.00	0.00
						6261925.20	2240811.79	8.00	0.00
						6261945.69	2240810.41	8.00	0.00
						6262339.30	2240804.94	8.00	0.00
						6262349.90	2240810.37	8.00	0.00
						6262359.50	2240817.42	8.00	0.00
						6262367.86	2240825.90	8.00	0.00
						6262374.76	2240835.60	8.00	0.00
						6262380.04	2240846.28	8.00	0.00
						6262383.56	2240857.66	8.00	0.00
						6262385.22	2240869.45	8.00	0.00
						6262396.50	2241595.48	8.00	0.00
LINESOURCE	TRUCK02	8.00	a			6261768.57	2241031.26	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6261764.20	2241591.06	8.00	0.00
LINESOURCE	TRUCK03	8.00	a			6261573.68	2241317.56	8.00	0.00
						6261586.66	2241320.74	8.00	0.00
						6261599.05	2241325.77	8.00	0.00
						6261610.57	2241332.56	8.00	0.00
						6261620.98	2241340.95	8.00	0.00
						6261630.06	2241350.77	8.00	0.00
						6261637.61	2241361.80	8.00	0.00
						6261642.51	2241373.96	8.00	0.00
						6261645.65	2241386.68	8.00	0.00
						6261646.99	2241399.72	8.00	0.00
						6261646.48	2241412.82	8.00	0.00
						6261644.15	2241425.72	8.00	0.00
						6261640.03	2241438.16	8.00	0.00
						6261593.37	2241570.27	8.00	0.00
						6261591.12	2241583.75	8.00	0.00
						6261591.04	2241597.41	8.00	0.00
						6261593.16	2241610.90	8.00	0.00
						6261597.41	2241623.89	8.00	0.00
						6261603.67	2241636.03	8.00	0.00
						6261611.84	2241646.50	8.00	0.00
						6261621.62	2241655.50	8.00	0.00
						6261632.73	2241662.78	8.00	0.00
						6261644.88	2241668.15	8.00	0.00
						6261656.69	2241670.20	8.00	0.00
						6261668.67	2241670.39	8.00	0.00
						6261680.53	2241668.72	8.00	0.00
						6261691.99	2241665.21	8.00	0.00
						6261702.76	2241659.96	8.00	0.00
LINESOURCE	TRUCK04	8.00	a			6261702.76	2241659.96	8.00	0.00
						6261719.25	2241642.50	8.00	0.00
						6261733.81	2241623.40	8.00	0.00
						6261746.28	2241602.87	8.00	0.00
						6261756.54	2241581.15	8.00	0.00
						6261764.45	2241558.47	8.00	0.00
LINESOURCE	TRUCK05	8.00	a			6262438.39	2240524.88	8.00	0.00
						6262442.73	2240311.33	8.00	0.00
						6262051.24	2240112.55	8.00	0.00
LINESOURCE	TRUCK06	8.00	a			6262325.89	2239523.77	8.00	0.00
						6262406.28	2239569.15	8.00	0.00
LINESOURCE	TRUCK07	8.00	a			6263714.21	2238693.76	8.00	0.00
						6263042.33	2238699.74	8.00	0.00
						6263013.77	2238701.93	8.00	0.00
						6262985.13	2238701.72	8.00	0.00
						6262956.61	2238699.09	8.00	0.00
						6262928.40	2238694.08	8.00	0.00
						6262900.72	2238686.70	8.00	0.00
						6262873.77	2238677.02	8.00	0.00
						6262784.91	2238619.90	8.00	0.00
LINESOURCE	TRUCK08	8.00	a			6263527.46	2238890.86	8.00	0.00
						6262767.65	2238890.86	8.00	0.00
						6262755.83	2238890.36	8.00	0.00
						6262744.08	2238891.75	8.00	0.00
						6262732.70	2238894.99	8.00	0.00
						6262721.98	2238900.01	8.00	0.00
						6262712.21	2238906.68	8.00	0.00
						6262703.62	2238914.82	8.00	0.00
						6262696.44	2238924.23	8.00	0.00
						6262690.85	2238934.66	8.00	0.00
						6262687.00	2238945.85	8.00	0.00
						6262684.99	2238957.51	8.00	0.00
						6262684.86	2238969.34	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
LINESOURCE	TRUCK09	8.00	a			6263538.67	2239623.07	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
						6262619.31	2239606.68	8.00	0.00
						6262611.03	2239605.28	8.00	0.00
						6262603.10	2239602.52	8.00	0.00
						6262595.74	2239598.46	8.00	0.00
						6262589.16	2239593.23	8.00	0.00
						6262583.56	2239586.97	8.00	0.00
						6262579.09	2239579.86	8.00	0.00
						6262575.87	2239572.10	8.00	0.00
						6262574.00	2239563.91	8.00	0.00
						6262573.53	2239555.52	8.00	0.00
						6262574.47	2239547.17	8.00	0.00
						6262577.06	2239483.35	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262633.98	2239236.70	8.00	0.00
						6262631.39	2239114.23	8.00	0.00
						6262627.14	2239099.52	8.00	0.00
						6262620.95	2239085.51	8.00	0.00
						6262612.94	2239072.45	8.00	0.00
						6262603.26	2239060.58	8.00	0.00
						6262592.08	2239050.12	8.00	0.00
						6262579.59	2239041.25	8.00	0.00
						6262566.03	2239034.13	8.00	0.00
LINESOURCE	TRUCK10	8.00	a			6264294.28	2239583.54	8.00	0.00
						6263922.20	2239586.30	8.00	0.00
						6263926.79	2240128.35	8.00	0.00
						6263928.63	2240201.85	8.00	0.00
						6263867.99	2240203.69	8.00	0.00
LINESOURCE	TRUCK11	8.00	a			6263827.07	2241825.51	8.00	0.00
						6261719.13	2241877.13	8.00	0.00
						6261680.77	2241870.12	8.00	0.00
						6261642.76	2241861.39	8.00	0.00
						6261605.18	2241850.95	8.00	0.00
						6261568.12	2241838.83	8.00	0.00
						6261531.63	2241825.05	8.00	0.00
						6261408.36	2241782.10	8.00	0.00
LINESOURCE	TRUCK13	8.00	a			6261796.42	2240673.25	8.00	0.00
						6261907.12	2240704.76	8.00	0.00
						6262018.91	2240714.07	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
LINESOURCE	TRUCK14	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262710.16	2241746.29	8.00	0.00
						6262691.53	2240783.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
LINESOURCE	TRUCK15	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262888.91	2240780.23	8.00	0.00
LINESOURCE	TRUCK16	8.00	a			6262702.52	2241351.47	8.00	0.00
						6263103.29	2241355.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
						6263075.35	2239758.25	8.00	0.00
LINESOURCE	TRUCK17	8.00	a			6263092.16	2240600.34	8.00	0.00
						6262676.62	2240607.87	8.00	0.00
						6262674.76	2239761.98	8.00	0.00
						6263667.84	2239748.94	8.00	0.00
LINESOURCE	TRUCK18	8.00	a			6262883.61	2240604.12	8.00	0.00
						6262872.10	2239759.39	8.00	0.00
LINESOURCE	TRUCK19	8.00	a			6262675.67	2240173.76	8.00	0.00
						6263083.71	2240177.23	8.00	0.00
LINESOURCE	TRUCK20	8.00	a			6263360.42	2240522.16	8.00	0.00
						6263349.12	2239753.12	8.00	0.00
LINESOURCE	TRUCK21	8.00	a			6263641.76	2241008.46	8.00	0.00
						6263643.68	2239749.25	8.00	0.00
LINESOURCE	TRUCK22	8.00	a			6263477.67	2240522.63	8.00	0.00
						6263462.05	2239751.80	8.00	0.00
LINESOURCE	TRUCK23	8.00	a			6263578.37	2240533.05	8.00	0.00
						6263562.74	2239753.53	8.00	0.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR001	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR002	91.4	91.4	91.4	65.0	65.0	65.0	Lw	91.4					5	a
AREASOURCE		CAR003	91.4	91.4	91.4	62.0	62.0	62.0	Lw	91.4					5	a
AREASOURCE		CAR004	91.4	91.4	91.4	70.2	70.2	70.2	Lw	91.4					5	a
AREASOURCE		CAR005	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR006	91.4	91.4	91.4	65.8	65.8	65.8	Lw	91.4					5	a
AREASOURCE		CAR007	91.4	91.4	91.4	68.3	68.3	68.3	Lw	91.4					5	a
AREASOURCE		CAR008	91.4	91.4	91.4	67.4	67.4	67.4	Lw	91.4					5	a
AREASOURCE		CAR009	91.4	91.4	91.4	68.4	68.4	68.4	Lw	91.4					5	a
AREASOURCE		CAR010	91.4	91.4	91.4	70.6	70.6	70.6	Lw	91.4					5	a
AREASOURCE		CAR011	91.4	91.4	91.4	74.0	74.0	74.0	Lw	91.4					5	a
AREASOURCE		CAR012	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR013	91.4	91.4	91.4	66.6	66.6	66.6	Lw	91.4					5	a
AREASOURCE		CAR014	91.4	91.4	91.4	66.7	66.7	66.7	Lw	91.4					5	a
AREASOURCE		CAR015	91.4	91.4	91.4	75.2	75.2	75.2	Lw	91.4					5	a
AREASOURCE		CAR016	91.4	91.4	91.4	61.5	61.5	61.5	Lw	91.4					5	a
AREASOURCE		CAR017	91.4	91.4	91.4	75.0	75.0	75.0	Lw	91.4					5	a
AREASOURCE		CAR018	91.4	91.4	91.4	70.3	70.3	70.3	Lw	91.4					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR019	91.4	91.4	91.4	71.8	71.8	71.8	Lw	91.4					5	a
AREASOURCE		CAR020	91.4	91.4	91.4	65.3	65.3	65.3	Lw	91.4					5	a
AREASOURCE		CAR021	91.4	91.4	91.4	72.1	72.1	72.1	Lw	91.4					5	a
AREASOURCE		CAR022	91.4	91.4	91.4	68.5	68.5	68.5	Lw	91.4					5	a
AREASOURCE		CAR023	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR024	91.4	91.4	91.4	74.9	74.9	74.9	Lw	91.4					5	a
AREASOURCE		CAR025	91.4	91.4	91.4	67.9	67.9	67.9	Lw	91.4					5	a
AREASOURCE		CAR026	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR027	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR028	91.4	91.4	91.4	63.1	63.1	63.1	Lw	91.4					5	a
AREASOURCE		CAR029	91.4	91.4	91.4	63.7	63.7	63.7	Lw	91.4					5	a
AREASOURCE		CAR030	91.4	91.4	91.4	60.4	60.4	60.4	Lw	91.4					5	a
AREASOURCE		CAR031	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR032	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR033	91.4	91.4	91.4	60.3	60.3	60.3	Lw	91.4					5	a
AREASOURCE		CAR034	91.4	91.4	91.4	69.9	69.9	69.9	Lw	91.4					5	a
AREASOURCE		CAR035	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR036	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR037	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR038	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR039	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR040	91.4	91.4	91.4	63.3	63.3	63.3	Lw	91.4					5	a
AREASOURCE		CAR041	91.4	91.4	91.4	62.8	62.8	62.8	Lw	91.4					5	a
AREASOURCE		CAR042	91.4	91.4	91.4	74.5	74.5	74.5	Lw	91.4					5	a
AREASOURCE		CAR043	91.4	91.4	91.4	57.1	57.1	57.1	Lw	91.4					5	a
AREASOURCE		CAR044	91.4	91.4	91.4	59.2	59.2	59.2	Lw	91.4					5	a
AREASOURCE		CAR045	91.4	91.4	91.4	65.0	65.0	65.0	Lw	91.4					5	a
AREASOURCE		CAR046	91.4	91.4	91.4	65.3	65.3	65.3	Lw	91.4					5	a
AREASOURCE		CAR047	91.4	91.4	91.4	63.1	63.1	63.1	Lw	91.4					5	a
AREASOURCE		CAR048	91.4	91.4	91.4	63.0	63.0	63.0	Lw	91.4					5	a
AREASOURCE		CAR049	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR050	91.4	91.4	91.4	63.8	63.8	63.8	Lw	91.4					5	a
AREASOURCE		CAR051	91.4	91.4	91.4	67.1	67.1	67.1	Lw	91.4					5	a
AREASOURCE		CAR052	91.4	91.4	91.4	63.7	63.7	63.7	Lw	91.4					5	a
AREASOURCE		CAR053	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR054	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4					5	a
AREASOURCE		CAR055	91.4	91.4	91.4	65.5	65.5	65.5	Lw	91.4					5	a
AREASOURCE		CAR056	91.4	91.4	91.4	63.8	63.8	63.8	Lw	91.4					5	a
AREASOURCE		CAR057	91.4	91.4	91.4	63.3	63.3	63.3	Lw	91.4					5	a
AREASOURCE		CAR058	91.4	91.4	91.4	63.4	63.4	63.4	Lw	91.4					5	a
AREASOURCE		CAR059	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR060	91.4	91.4	91.4	69.7	69.7	69.7	Lw	91.4					5	a
AREASOURCE		CAR061	91.4	91.4	91.4	69.6	69.6	69.6	Lw	91.4					5	a
AREASOURCE		CAR062	91.4	91.4	91.4	67.5	67.5	67.5	Lw	91.4					5	a
AREASOURCE		CAR063	91.4	91.4	91.4	65.2	65.2	65.2	Lw	91.4					5	a
AREASOURCE		CAR064	91.4	91.4	91.4	68.1	68.1	68.1	Lw	91.4					5	a
AREASOURCE		CAR065	91.4	91.4	91.4	68.2	68.2	68.2	Lw	91.4					5	a
AREASOURCE		CAR066	91.4	91.4	91.4	68.8	68.8	68.8	Lw	91.4					5	a
AREASOURCE		CAR067	91.4	91.4	91.4	63.5	63.5	63.5	Lw	91.4					5	a
AREASOURCE		CAR068	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR069	91.4	91.4	91.4	64.8	64.8	64.8	Lw	91.4					5	a
AREASOURCE		CAR070	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR071	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR072	91.4	91.4	91.4	63.5	63.5	63.5	Lw	91.4					5	a
AREASOURCE		CAR073	91.4	91.4	91.4	68.3	68.3	68.3	Lw	91.4					5	a
AREASOURCE		CAR074	91.4	91.4	91.4	69.2	69.2	69.2	Lw	91.4					5	a
AREASOURCE		CAR075	91.4	91.4	91.4	70.0	70.0	70.0	Lw	91.4					5	a
AREASOURCE		CAR076	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR077	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR078	91.4	91.4	91.4	66.2	66.2	66.2	Lw	91.4					5	a
AREASOURCE		CAR079	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR080	91.4	91.4	91.4	66.3	66.3	66.3	Lw	91.4					5	a
AREASOURCE		CAR081	91.4	91.4	91.4	66.5	66.5	66.5	Lw	91.4					5	a
AREASOURCE		CAR082	91.4	91.4	91.4	66.3	66.3	66.3	Lw	91.4					5	a
AREASOURCE		CAR083	91.4	91.4	91.4	66.9	66.9	66.9	Lw	91.4					5	a
AREASOURCE		CAR084	91.4	91.4	91.4	64.1	64.1	64.1	Lw	91.4					5	a
AREASOURCE		CAR085	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4					5	a
AREASOURCE		CAR086	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR087	91.4	91.4	91.4	66.2	66.2	66.2	Lw	91.4					5	a
AREASOURCE		CAR088	91.4	91.4	91.4	67.4	67.4	67.4	Lw	91.4					5	a
AREASOURCE		CAR089	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR090	91.4	91.4	91.4	66.1	66.1	66.1	Lw	91.4					5	a
AREASOURCE		CAR091	91.4	91.4	91.4	65.7	65.7	65.7	Lw	91.4					5	a
AREASOURCE		CAR092	91.4	91.4	91.4	69.3	69.3	69.3	Lw	91.4					5	a
AREASOURCE		CAR093	91.4	91.4	91.4	68.5	68.5	68.5	Lw	91.4					5	a
AREASOURCE		CAR094	91.4	91.4	91.4	70.6	70.6	70.6	Lw	91.4					5	a
AREASOURCE		CAR095	91.4	91.4	91.4	67.2	67.2	67.2	Lw	91.4					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR096	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR097	91.4	91.4	91.4	65.5	65.5	65.5	Lw	91.4					5	a
AREASOURCE		CAR098	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4					5	a
AREASOURCE		CAR099	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR100	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR101	91.4	91.4	91.4	60.7	60.7	60.7	Lw	91.4					5	a
AREASOURCE		CAR102	91.4	91.4	91.4	60.0	60.0	60.0	Lw	91.4					5	a
AREASOURCE		CAR103	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR104	91.4	91.4	91.4	64.3	64.3	64.3	Lw	91.4					5	a
AREASOURCE		CAR105	91.4	91.4	91.4	64.8	64.8	64.8	Lw	91.4					5	a
AREASOURCE		CAR106	91.4	91.4	91.4	69.0	69.0	69.0	Lw	91.4					5	a
AREASOURCE		CAR107	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR108	91.4	91.4	91.4	61.4	61.4	61.4	Lw	91.4					5	a
AREASOURCE		CAR109	91.4	91.4	91.4	61.6	61.6	61.6	Lw	91.4					5	a
AREASOURCE		CAR110	91.4	91.4	91.4	61.6	61.6	61.6	Lw	91.4					5	a
AREASOURCE		CAR111	91.4	91.4	91.4	61.1	61.1	61.1	Lw	91.4					5	a
AREASOURCE		DRY004	111.6	111.6	111.6	77.2	77.2	77.2	Lw	111.6					8	a
AREASOURCE		DRY005	111.6	111.6	111.6	77.4	77.4	77.4	Lw	111.6					8	a
AREASOURCE		DRY006	111.6	111.6	111.6	75.9	75.9	75.9	Lw	111.6					8	a
AREASOURCE		DRY007	111.6	111.6	111.6	76.7	76.7	76.7	Lw	111.6					8	a
AREASOURCE		DRY008	111.6	111.6	111.6	75.3	75.3	75.3	Lw	111.6					8	a
AREASOURCE		DRY009	111.6	111.6	111.6	76.0	76.0	76.0	Lw	111.6					8	a
AREASOURCE		DRY010	111.6	111.6	111.6	77.3	77.3	77.3	Lw	111.6					8	a
AREASOURCE		DRY011	111.6	111.6	111.6	74.7	74.7	74.7	Lw	111.6					8	a
AREASOURCE		DRY012	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY013	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY014	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY015	111.6	111.6	111.6	75.0	75.0	75.0	Lw	111.6					8	a
AREASOURCE		DRY016	111.6	111.6	111.6	74.8	74.8	74.8	Lw	111.6					8	a
AREASOURCE		DRY017	111.6	111.6	111.6	74.3	74.3	74.3	Lw	111.6					8	a
AREASOURCE		DRY018	111.6	111.6	111.6	75.0	75.0	75.0	Lw	111.6					8	a
AREASOURCE		DRY019	111.6	111.6	111.6	72.9	72.9	72.9	Lw	111.6					8	a
AREASOURCE		DRY020	111.6	111.6	111.6	73.7	73.7	73.7	Lw	111.6					8	a
AREASOURCE		DRY021	111.6	111.6	111.6	78.2	78.2	78.2	Lw	111.6					8	a
AREASOURCE		DRY022	111.6	111.6	111.6	73.6	73.6	73.6	Lw	111.6					8	a
AREASOURCE		DRY023	111.6	111.6	111.6	75.3	75.3	75.3	Lw	111.6					8	a
AREASOURCE		DRY024	111.6	111.6	111.6	74.0	74.0	74.0	Lw	111.6					8	a
AREASOURCE		DRY025	111.6	111.6	111.6	76.2	76.2	76.2	Lw	111.6					8	a
AREASOURCE		DRY026	111.6	111.6	111.6	76.5	76.5	76.5	Lw	111.6					8	a
AREASOURCE		DRY027	111.6	111.6	111.6	85.6	85.6	85.6	Lw	111.6					8	a
AREASOURCE		DRY028	111.6	111.6	111.6	85.1	85.1	85.1	Lw	111.6					8	a
AREASOURCE		DRY029	111.6	111.6	111.6	81.8	81.8	81.8	Lw	111.6					8	a
AREASOURCE		DRY030	111.6	111.6	111.6	81.1	81.1	81.1	Lw	111.6					8	a
AREASOURCE		DRY031	111.6	111.6	111.6	80.8	80.8	80.8	Lw	111.6					8	a
AREASOURCE		DRY032	111.6	111.6	111.6	76.1	76.1	76.1	Lw	111.6					8	a
AREASOURCE		DRY033	111.6	111.6	111.6	76.1	76.1	76.1	Lw	111.6					8	a
AREASOURCE		DRY034	111.6	111.6	111.6	75.9	75.9	75.9	Lw	111.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR001	5.00	a			6261833.96	2241791.77	5.00	0.00
						6262050.31	2241789.35	5.00	0.00
						6262049.40	2241772.08	5.00	0.00
						6261833.66	2241774.20	5.00	0.00
AREASOURCE	CAR002	5.00	a			6262096.37	2241787.53	5.00	0.00
						6262377.86	2241784.50	5.00	0.00
						6262377.56	2241767.84	5.00	0.00
						6262096.06	2241771.17	5.00	0.00
AREASOURCE	CAR003	5.00	a			6261856.08	2241744.81	5.00	0.00
						6262377.26	2241739.05	5.00	0.00
						6262376.35	2241721.78	5.00	0.00
						6261855.78	2241726.32	5.00	0.00
AREASOURCE	CAR004	5.00	a			6262376.95	2241712.08	5.00	0.00
						6262392.71	2241711.48	5.00	0.00
						6262391.80	2241620.88	5.00	0.00
						6262376.35	2241620.88	5.00	0.00
AREASOURCE	CAR005	5.00	a			6262438.16	2241782.99	5.00	0.00
						6262435.13	2241620.57	5.00	0.00
						6262419.98	2241619.97	5.00	0.00
						6262423.01	2241783.59	5.00	0.00
AREASOURCE	CAR006	5.00	a			6261869.22	2240625.84	5.00	0.00
						6261927.78	2240637.36	5.00	0.00
						6261979.30	2240642.48	5.00	0.00
						6262037.54	2240642.16	5.00	0.00
						6262097.06	2240642.48	5.00	0.00
						6262096.42	2240625.52	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6261988.26	2240625.52	5.00	0.00
						6261930.34	2240620.40	5.00	0.00
						6261872.10	2240608.56	5.00	0.00
AREASOURCE	CAR007	5.00	a			6261924.90	2240572.72	5.00	0.00
						6261921.70	2240590.64	5.00	0.00
						6261977.70	2240596.72	5.00	0.00
						6261990.18	2240597.68	5.00	0.00
						6262049.38	2240598.00	5.00	0.00
						6262048.74	2240580.08	5.00	0.00
						6261982.50	2240580.40	5.00	0.00
AREASOURCE	CAR008	5.00	a			6262090.98	2240594.80	5.00	0.00
						6262098.98	2240580.08	5.00	0.00
						6262026.34	2240542.64	5.00	0.00
						6261992.10	2240523.44	5.00	0.00
						6261971.30	2240501.36	5.00	0.00
						6261960.10	2240513.52	5.00	0.00
						6261979.62	2240534.96	5.00	0.00
						6261986.98	2240542.32	5.00	0.00
						6262018.02	2240558.32	5.00	0.00
AREASOURCE	CAR009	5.00	a			6261866.66	2240600.88	5.00	0.00
						6261922.02	2240486.64	5.00	0.00
						6261906.02	2240480.24	5.00	0.00
						6261851.30	2240593.20	5.00	0.00
AREASOURCE	CAR010	5.00	a			6261941.22	2240452.40	5.00	0.00
						6262001.38	2240482.16	5.00	0.00
						6262010.98	2240465.20	5.00	0.00
						6261947.62	2240435.12	5.00	0.00
AREASOURCE	CAR011	5.00	a			6262381.73	2240151.35	5.00	0.00
						6262372.78	2240168.22	5.00	0.00
						6262397.71	2240182.81	5.00	0.00
						6262408.55	2240165.22	5.00	0.00
AREASOURCE	CAR012	5.00	a			6262438.15	2240191.58	5.00	0.00
						6262455.73	2240191.58	5.00	0.00
						6262448.33	2239815.58	5.00	0.00
						6262431.22	2239816.04	5.00	0.00
AREASOURCE	CAR013	5.00	a			6262371.55	2239956.17	5.00	0.00
						6262378.49	2239940.91	5.00	0.00
						6262209.22	2239856.28	5.00	0.00
						6262201.82	2239872.46	5.00	0.00
AREASOURCE	CAR014	5.00	a			6262376.64	2239899.29	5.00	0.00
						6262385.43	2239883.56	5.00	0.00
						6262232.34	2239805.86	5.00	0.00
						6262223.56	2239822.51	5.00	0.00
AREASOURCE	CAR015	5.00	a			6262401.15	2239878.48	5.00	0.00
						6262400.69	2239851.65	5.00	0.00
						6262384.36	2239851.96	5.00	0.00
						6262384.10	2239879.04	5.00	0.00
AREASOURCE	CAR016	5.00	a			6263161.59	2238163.94	5.00	0.00
						6263729.58	2238163.94	5.00	0.00
						6263728.28	2238144.29	5.00	0.00
						6263161.59	2238146.48	5.00	0.00
AREASOURCE	CAR017	5.00	a			6263217.91	2238116.35	5.00	0.00
						6263246.73	2238116.79	5.00	0.00
						6263247.16	2238100.20	5.00	0.00
						6263219.66	2238099.76	5.00	0.00
AREASOURCE	CAR018	5.00	a			6263256.77	2238108.50	5.00	0.00
						6263272.92	2238108.06	5.00	0.00
						6263272.92	2238025.11	5.00	0.00
						6263255.02	2238027.29	5.00	0.00
AREASOURCE	CAR019	5.00	a			6263222.28	2238092.78	5.00	0.00
						6263250.65	2238048.25	5.00	0.00
						6263236.25	2238036.90	5.00	0.00
						6263207.00	2238083.61	5.00	0.00
AREASOURCE	CAR020	5.00	a			6263177.31	2238075.31	5.00	0.00
						6263317.89	2237865.76	5.00	0.00
						6263300.86	2237855.28	5.00	0.00
						6263165.08	2238066.15	5.00	0.00
AREASOURCE	CAR021	5.00	a			6263321.38	2237844.36	5.00	0.00
						6263321.38	2237861.83	5.00	0.00
						6263376.83	2237861.39	5.00	0.00
						6263375.95	2237845.67	5.00	0.00
AREASOURCE	CAR022	5.00	a			6263387.74	2237870.56	5.00	0.00
						6263479.42	2237929.50	5.00	0.00
						6263489.46	2237914.22	5.00	0.00
						6263399.53	2237853.53	5.00	0.00
AREASOURCE	CAR023	5.00	a			6263534.87	2237962.68	5.00	0.00
						6263715.61	2238085.79	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263726.53	2238070.08	5.00	0.00
						6263543.60	2237950.45	5.00	0.00
AREASOURCE	CAR024	5.00	a			6263652.31	2238107.19	5.00	0.00
						6263651.87	2238080.99	5.00	0.00
						6263633.97	2238080.55	5.00	0.00
						6263633.97	2238107.62	5.00	0.00
AREASOURCE	CAR025	5.00	a			6263605.60	2238108.06	5.00	0.00
						6263604.72	2238053.05	5.00	0.00
						6263585.51	2238053.92	5.00	0.00
						6263585.95	2238036.46	5.00	0.00
						6263567.18	2238035.15	5.00	0.00
						6263567.61	2238108.06	5.00	0.00
AREASOURCE	CAR026	5.00	a			6263539.24	2238108.50	5.00	0.00
						6263537.05	2238007.64	5.00	0.00
						6263517.41	2238007.21	5.00	0.00
						6263517.84	2237997.60	5.00	0.00
						6263500.38	2237999.35	5.00	0.00
						6263501.69	2238100.20	5.00	0.00
						6263519.15	2238098.89	5.00	0.00
						6263520.46	2238108.50	5.00	0.00
AREASOURCE	CAR027	5.00	a			6263434.46	2238108.50	5.00	0.00
						6263453.67	2238108.06	5.00	0.00
						6263453.67	2238100.64	5.00	0.00
						6263471.56	2238099.76	5.00	0.00
						6263470.69	2237963.55	5.00	0.00
						6263451.05	2237963.55	5.00	0.00
						6263452.36	2237954.38	5.00	0.00
						6263432.71	2237954.82	5.00	0.00
AREASOURCE	CAR028	5.00	a			6263368.97	2238107.62	5.00	0.00
						6263406.08	2238108.50	5.00	0.00
						6263402.58	2237916.40	5.00	0.00
						6263384.69	2237918.15	5.00	0.00
						6263384.69	2237908.54	5.00	0.00
						6263365.48	2237908.10	5.00	0.00
AREASOURCE	CAR029	5.00	a			6263302.61	2238108.50	5.00	0.00
						6263338.84	2238106.75	5.00	0.00
						6263337.10	2237926.44	5.00	0.00
						6263318.76	2237927.31	5.00	0.00
						6263317.89	2237944.78	5.00	0.00
						6263299.99	2237944.78	5.00	0.00
AREASOURCE	CAR030	5.00	a			6263206.20	2241722.79	5.00	0.00
						6263569.49	2241723.41	5.00	0.00
						6263569.49	2241686.21	5.00	0.00
						6263206.20	2241685.59	5.00	0.00
AREASOURCE	CAR031	5.00	a			6263205.58	2241659.56	5.00	0.00
						6263568.25	2241659.56	5.00	0.00
						6263567.63	2241622.98	5.00	0.00
						6263204.96	2241622.98	5.00	0.00
AREASOURCE	CAR032	5.00	a			6263203.10	2241595.70	5.00	0.00
						6263566.39	2241596.94	5.00	0.00
						6263567.01	2241559.13	5.00	0.00
						6263202.48	2241560.37	5.00	0.00
AREASOURCE	CAR033	5.00	a			6263201.86	2241534.33	5.00	0.00
						6263565.77	2241532.47	5.00	0.00
						6263565.77	2241494.65	5.00	0.00
						6263203.10	2241496.51	5.00	0.00
AREASOURCE	CAR034	5.00	a			6263149.79	2241650.88	5.00	0.00
						6263170.87	2241649.64	5.00	0.00
						6263171.49	2241578.34	5.00	0.00
						6263150.41	2241578.34	5.00	0.00
AREASOURCE	CAR035	5.00	a			6263148.55	2241524.41	5.00	0.00
						6263167.15	2241522.55	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263142.97	2241244.82	5.00	0.00
AREASOURCE	CAR036	5.00	a			6263202.48	2241469.23	5.00	0.00
						6263565.77	2241469.85	5.00	0.00
						6263563.91	2241433.28	5.00	0.00
						6263201.86	2241432.66	5.00	0.00
AREASOURCE	CAR037	5.00	a			6263201.24	2241405.38	5.00	0.00
						6263563.29	2241406.62	5.00	0.00
						6263564.53	2241368.80	5.00	0.00
						6263201.24	2241369.42	5.00	0.00
AREASOURCE	CAR038	5.00	a			6263200.62	2241341.53	5.00	0.00
						6263561.43	2241343.39	5.00	0.00
						6263562.67	2241305.57	5.00	0.00
						6263200.62	2241306.19	5.00	0.00
AREASOURCE	CAR039	5.00	a			6263200.00	2241278.29	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263561.43	2241280.15	5.00	0.00
						6263560.81	2241243.58	5.00	0.00
						6263200.00	2241241.72	5.00	0.00
AREASOURCE	CAR040	5.00	a			6263600.48	2241523.17	5.00	0.00
						6263622.80	2241523.79	5.00	0.00
						6263617.84	2241217.54	5.00	0.00
						6263594.90	2241219.40	5.00	0.00
AREASOURCE	CAR041	5.00	a			6263161.57	2241215.68	5.00	0.00
						6263596.33	2241214.62	5.00	0.00
						6263597.20	2241197.70	5.00	0.00
						6263161.87	2241196.40	5.00	0.00
AREASOURCE	CAR042	5.00	a			6263142.97	2241244.82	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263161.57	2241215.68	5.00	0.00
						6263143.21	2241216.36	5.00	0.00
AREASOURCE	CAR043	5.00	a			6263697.77	2239646.90	5.00	0.00
						6263735.80	2239646.14	5.00	0.00
						6263721.35	2238869.70	5.00	0.00
						6263684.84	2238869.70	5.00	0.00
AREASOURCE	CAR044	5.00	a			6263758.61	2239658.31	5.00	0.00
						6263782.18	2239655.27	5.00	0.00
						6263767.74	2238861.33	5.00	0.00
						6263746.44	2238862.85	5.00	0.00
AREASOURCE	CAR045	5.00	a			6264438.31	2241650.71	5.00	0.00
						6264436.03	2241675.76	5.00	0.00
						6264631.88	2241673.49	5.00	0.00
						6264629.61	2241649.57	5.00	0.00
AREASOURCE	CAR046	5.00	a			6264619.36	2241614.27	5.00	0.00
						6264640.99	2241615.41	5.00	0.00
						6264638.30	2241407.25	5.00	0.00
						6264617.47	2241406.55	5.00	0.00
AREASOURCE	CAR047	5.00	a			6264678.58	2241475.30	5.00	0.00
						6264896.64	2241472.53	5.00	0.00
						6264897.33	2241438.50	5.00	0.00
						6264679.27	2241441.97	5.00	0.00
AREASOURCE	CAR048	5.00	a			6264678.58	2241414.19	5.00	0.00
						6264898.02	2241414.19	5.00	0.00
						6264896.64	2241378.08	5.00	0.00
						6264678.58	2241382.25	5.00	0.00
AREASOURCE	CAR049	5.00	a			6264939.00	2241457.94	5.00	0.00
						6264969.55	2241457.25	5.00	0.00
						6264967.47	2241330.17	5.00	0.00
						6264938.30	2241326.69	5.00	0.00
AREASOURCE	CAR050	5.00	a			6264996.64	2241463.50	5.00	0.00
						6265042.47	2241462.80	5.00	0.00
						6265039.00	2241326.69	5.00	0.00
						6264994.55	2241323.92	5.00	0.00
AREASOURCE	CAR051	5.00	a			6265066.77	2241460.72	5.00	0.00
						6265088.30	2241460.03	5.00	0.00
						6265084.14	2241323.92	5.00	0.00
						6265063.30	2241323.92	5.00	0.00
AREASOURCE	CAR052	5.00	a			6264682.75	2241348.22	5.00	0.00
						6264889.69	2241346.83	5.00	0.00
						6264887.61	2241315.58	5.00	0.00
						6264680.66	2241317.67	5.00	0.00
AREASOURCE	CAR053	5.00	a			6264684.83	2241287.11	5.00	0.00
						6264861.22	2241289.89	5.00	0.00
						6264861.22	2241251.69	5.00	0.00
						6264682.05	2241252.39	5.00	0.00
AREASOURCE	CAR054	5.00	a			6264679.97	2241230.86	5.00	0.00
						6264909.83	2241229.47	5.00	0.00
						6264912.61	2241209.33	5.00	0.00
						6264677.19	2241207.94	5.00	0.00
AREASOURCE	CAR055	5.00	a			6264676.50	2241155.86	5.00	0.00
						6264906.36	2241157.94	5.00	0.00
						6264907.05	2241137.80	5.00	0.00
						6264675.80	2241139.89	5.00	0.00
AREASOURCE	CAR056	5.00	a			6264682.75	2241107.94	5.00	0.00
						6264908.44	2241109.33	5.00	0.00
						6264909.14	2241079.47	5.00	0.00
						6264682.75	2241082.94	5.00	0.00
AREASOURCE	CAR057	5.00	a			6264693.16	2241049.61	5.00	0.00
						6264908.44	2241051.00	5.00	0.00
						6264909.83	2241018.36	5.00	0.00
						6264689.69	2241018.36	5.00	0.00
AREASOURCE	CAR058	5.00	a			6264694.55	2240987.80	5.00	0.00
						6264907.75	2240988.50	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6264907.75	2240954.47	5.00	0.00
						6264696.64	2240957.25	5.00	0.00
AREASOURCE	CAR059	5.00	a			6264689.00	2240924.61	5.00	0.00
						6264913.30	2240921.14	5.00	0.00
						6264911.22	2240890.58	5.00	0.00
						6264690.39	2240896.83	5.00	0.00
AREASOURCE	CAR060	5.00	a			6264952.19	2241098.92	5.00	0.00
						6264973.72	2241098.92	5.00	0.00
						6264973.72	2241026.69	5.00	0.00
						6264951.50	2241025.30	5.00	0.00
AREASOURCE	CAR061	5.00	a			6264979.27	2241290.58	5.00	0.00
						6265061.22	2241289.89	5.00	0.00
						6265059.83	2241269.75	5.00	0.00
						6264981.36	2241269.75	5.00	0.00
AREASOURCE	CAR062	5.00	a			6264962.61	2240969.05	5.00	0.00
						6265080.66	2240969.75	5.00	0.00
						6265080.66	2240944.75	5.00	0.00
						6264962.61	2240948.92	5.00	0.00
AREASOURCE	CAR063	5.00	a			6265057.05	2240746.83	5.00	0.00
						6265061.91	2240933.64	5.00	0.00
						6265082.75	2240931.55	5.00	0.00
						6265084.14	2240744.75	5.00	0.00
AREASOURCE	CAR064	5.00	a			6264961.91	2240920.44	5.00	0.00
						6265032.05	2240922.53	5.00	0.00
						6265030.66	2240885.72	5.00	0.00
						6264965.39	2240889.89	5.00	0.00
AREASOURCE	CAR065	5.00	a			6264962.61	2240860.72	5.00	0.00
						6265027.19	2240860.72	5.00	0.00
						6265029.27	2240826.69	5.00	0.00
						6264959.83	2240827.39	5.00	0.00
AREASOURCE	CAR066	5.00	a			6264966.77	2240737.11	5.00	0.00
						6265057.05	2240746.83	5.00	0.00
						6265059.83	2240720.44	5.00	0.00
						6264965.39	2240721.14	5.00	0.00
AREASOURCE	CAR067	5.00	a			6264702.19	2240866.97	5.00	0.00
						6264906.36	2240863.50	5.00	0.00
						6264906.36	2240829.47	5.00	0.00
						6264701.50	2240835.72	5.00	0.00
AREASOURCE	CAR068	5.00	a			6264701.50	2240804.47	5.00	0.00
						6264909.83	2240803.78	5.00	0.00
						6264909.14	2240771.83	5.00	0.00
						6264700.80	2240778.78	5.00	0.00
AREASOURCE	CAR069	5.00	a			6264703.58	2240748.22	5.00	0.00
						6264906.36	2240748.92	5.00	0.00
						6264905.66	2240722.53	5.00	0.00
						6264702.89	2240726.00	5.00	0.00
AREASOURCE	CAR070	5.00	a			6264720.94	2240695.44	5.00	0.00
						6264902.19	2240697.53	5.00	0.00
						6264902.89	2240662.80	5.00	0.00
						6264723.72	2240662.80	5.00	0.00
AREASOURCE	CAR071	5.00	a			6264711.22	2240630.86	5.00	0.00
						6264902.19	2240630.17	5.00	0.00
						6264904.27	2240597.53	5.00	0.00
						6264711.91	2240599.61	5.00	0.00
AREASOURCE	CAR072	5.00	a			6264707.75	2240571.83	5.00	0.00
						6264904.27	2240569.75	5.00	0.00
						6264902.19	2240535.72	5.00	0.00
						6264709.14	2240537.11	5.00	0.00
AREASOURCE	CAR073	5.00	a			6264960.52	2240694.75	5.00	0.00
						6265034.83	2240688.50	5.00	0.00
						6265037.61	2240660.72	5.00	0.00
						6264964.69	2240662.11	5.00	0.00
AREASOURCE	CAR074	5.00	a			6264968.86	2240798.92	5.00	0.00
						6265033.44	2240798.22	5.00	0.00
						6265034.14	2240771.14	5.00	0.00
						6264966.77	2240771.83	5.00	0.00
AREASOURCE	CAR075	5.00	a			6264979.27	2240628.78	5.00	0.00
						6265071.64	2240628.08	5.00	0.00
						6265067.47	2240610.03	5.00	0.00
						6264979.27	2240614.19	5.00	0.00
AREASOURCE	CAR076	5.00	a			6264386.22	2240519.75	5.00	0.00
						6264636.91	2240519.05	5.00	0.00
						6264637.61	2240495.44	5.00	0.00
						6264386.91	2240494.75	5.00	0.00
AREASOURCE	CAR077	5.00	a			6263912.96	2240345.45	5.00	0.00
						6263947.52	2240345.87	5.00	0.00
						6263946.69	2240230.09	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263916.71	2240228.43	5.00	0.00
AREASOURCE	CAR078	5.00	a			6263978.76	2240344.20	5.00	0.00
						6264010.83	2240342.53	5.00	0.00
						6264008.74	2240225.93	5.00	0.00
						6263979.59	2240227.59	5.00	0.00
AREASOURCE	CAR079	5.00	a			6264042.89	2240342.95	5.00	0.00
						6264078.29	2240344.62	5.00	0.00
						6264076.21	2240230.92	5.00	0.00
						6264042.89	2240233.01	5.00	0.00
AREASOURCE	CAR080	5.00	a			6264109.53	2240344.20	5.00	0.00
						6264142.01	2240344.62	5.00	0.00
						6264139.51	2240233.84	5.00	0.00
						6264108.28	2240234.26	5.00	0.00
AREASOURCE	CAR081	5.00	a			6264172.83	2240342.95	5.00	0.00
						6264202.40	2240343.78	5.00	0.00
						6264201.56	2240231.34	5.00	0.00
						6264171.99	2240231.34	5.00	0.00
AREASOURCE	CAR082	5.00	a			6264236.13	2240342.12	5.00	0.00
						6264267.78	2240342.12	5.00	0.00
						6264261.53	2240225.51	5.00	0.00
						6264233.21	2240225.09	5.00	0.00
AREASOURCE	CAR083	5.00	a			6264298.60	2240339.62	5.00	0.00
						6264324.83	2240339.20	5.00	0.00
						6264326.08	2240227.59	5.00	0.00
						6264297.76	2240226.76	5.00	0.00
AREASOURCE	CAR084	5.00	a			6264375.64	2240331.71	5.00	0.00
						6264415.20	2240331.71	5.00	0.00
						6264413.96	2240186.36	5.00	0.00
						6264373.98	2240186.36	5.00	0.00
AREASOURCE	CAR085	5.00	a			6264446.86	2240322.55	5.00	0.00
						6264477.67	2240322.96	5.00	0.00
						6264474.76	2240193.44	5.00	0.00
						6264442.27	2240190.53	5.00	0.00
AREASOURCE	CAR086	5.00	a			6264508.07	2240316.30	5.00	0.00
						6264539.31	2240317.55	5.00	0.00
						6264541.39	2240195.53	5.00	0.00
						6264509.74	2240193.03	5.00	0.00
AREASOURCE	CAR087	5.00	a			6264570.54	2240314.22	5.00	0.00
						6264600.53	2240314.22	5.00	0.00
						6264603.44	2240191.78	5.00	0.00
						6264575.12	2240190.95	5.00	0.00
AREASOURCE	CAR088	5.00	a			6264633.84	2240315.05	5.00	0.00
						6264658.41	2240315.05	5.00	0.00
						6264655.08	2240194.69	5.00	0.00
						6264635.09	2240192.61	5.00	0.00
AREASOURCE	CAR089	5.00	a			6264735.46	2240315.05	5.00	0.00
						6264733.38	2240183.03	5.00	0.00
						6264714.64	2240182.20	5.00	0.00
						6264717.14	2240313.80	5.00	0.00
AREASOURCE	CAR090	5.00	a			6264782.10	2240330.46	5.00	0.00
						6264888.71	2240331.71	5.00	0.00
						6264888.30	2240296.72	5.00	0.00
						6264784.18	2240295.89	5.00	0.00
AREASOURCE	CAR091	5.00	a			6264780.85	2240264.24	5.00	0.00
						6264885.38	2240262.58	5.00	0.00
						6264887.47	2240224.26	5.00	0.00
						6264778.35	2240228.01	5.00	0.00
AREASOURCE	CAR092	5.00	a			6264782.94	2240193.86	5.00	0.00
						6264886.63	2240194.28	5.00	0.00
						6264887.47	2240177.20	5.00	0.00
						6264782.10	2240177.20	5.00	0.00
AREASOURCE	CAR093	5.00	a			6264929.11	2240360.86	5.00	0.00
						6264949.10	2240360.86	5.00	0.00
						6264947.85	2240253.83	5.00	0.00
						6264928.69	2240253.83	5.00	0.00
AREASOURCE	CAR094	5.00	a			6265020.31	2240221.76	5.00	0.00
						6265041.55	2240220.51	5.00	0.00
						6265039.89	2240158.46	5.00	0.00
						6265019.07	2240160.13	5.00	0.00
AREASOURCE	CAR095	5.00	a			6264780.02	2240145.55	5.00	0.00
						6264885.80	2240144.72	5.00	0.00
						6264883.72	2240114.73	5.00	0.00
						6264785.02	2240119.73	5.00	0.00
AREASOURCE	CAR096	5.00	a			6264929.94	2240124.31	5.00	0.00
						6264951.60	2240124.73	5.00	0.00
						6264949.93	2240006.87	5.00	0.00
						6264929.11	2240007.70	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR097	5.00	a			6264766.28	2240078.09	5.00	0.00
						6264887.05	2240081.00	5.00	0.00
						6264887.88	2240042.27	5.00	0.00
						6264768.78	2240046.43	5.00	0.00
AREASOURCE	CAR098	5.00	a			6264782.94	2240015.20	5.00	0.00
						6264883.30	2240013.12	5.00	0.00
						6264883.72	2239972.72	5.00	0.00
						6264781.69	2239975.64	5.00	0.00
AREASOURCE	CAR099	5.00	a			6264385.64	2240121.40	5.00	0.00
						6264668.41	2240115.98	5.00	0.00
						6264668.41	2240098.91	5.00	0.00
						6264386.47	2240100.57	5.00	0.00
AREASOURCE	CAR100	5.00	a			6264386.05	2240071.01	5.00	0.00
						6264688.40	2240069.34	5.00	0.00
						6264691.73	2240055.18	5.00	0.00
						6264711.30	2240050.18	5.00	0.00
						6264710.06	2240036.44	5.00	0.00
						6264385.22	2240042.69	5.00	0.00
AREASOURCE	CAR101	5.00	a			6264385.64	2240010.62	5.00	0.00
						6264718.38	2240011.04	5.00	0.00
						6264717.14	2239972.72	5.00	0.00
						6264385.22	2239972.72	5.00	0.00
AREASOURCE	CAR102	5.00	a			6263899.22	2240387.93	5.00	0.00
						6264651.75	2240386.26	5.00	0.00
						6264650.09	2240363.77	5.00	0.00
						6263894.63	2240370.85	5.00	0.00
AREASOURCE	CAR103	5.00	a			6264384.80	2239942.74	5.00	0.00
						6264716.72	2239941.90	5.00	0.00
						6264714.22	2239911.09	5.00	0.00
						6264386.47	2239915.67	5.00	0.00
AREASOURCE	CAR104	5.00	a			6264784.18	2239941.90	5.00	0.00
						6264969.92	2239941.90	5.00	0.00
						6264970.34	2239911.50	5.00	0.00
						6264782.52	2239913.59	5.00	0.00
AREASOURCE	CAR105	5.00	a			6264783.77	2239879.85	5.00	0.00
						6265010.74	2239875.27	5.00	0.00
						6265011.99	2239854.45	5.00	0.00
						6264782.94	2239857.78	5.00	0.00
AREASOURCE	CAR106	5.00	a			6265015.32	2239976.47	5.00	0.00
						6265034.89	2239973.56	5.00	0.00
						6265029.89	2239879.85	5.00	0.00
						6265010.32	2239882.35	5.00	0.00
AREASOURCE	CAR107	5.00	a			6264425.62	2239881.52	5.00	0.00
						6264715.47	2239879.44	5.00	0.00
						6264715.47	2239843.20	5.00	0.00
						6264424.37	2239851.12	5.00	0.00
AREASOURCE	CAR108	5.00	a			6264385.64	2239811.55	5.00	0.00
						6264714.64	2239811.14	5.00	0.00
						6264712.14	2239776.57	5.00	0.00
						6264384.39	2239779.90	5.00	0.00
AREASOURCE	CAR109	5.00	a			6264383.97	2239749.09	5.00	0.00
						6264712.14	2239742.84	5.00	0.00
						6264713.39	2239713.27	5.00	0.00
						6264383.14	2239716.60	5.00	0.00
AREASOURCE	CAR110	5.00	a			6264384.39	2239685.78	5.00	0.00
						6264709.22	2239683.70	5.00	0.00
						6264713.39	2239650.39	5.00	0.00
						6264384.80	2239656.22	5.00	0.00
AREASOURCE	CAR111	5.00	a			6264383.55	2239620.82	5.00	0.00
						6264710.47	2239621.23	5.00	0.00
						6264712.55	2239582.92	5.00	0.00
						6264382.30	2239589.17	5.00	0.00
AREASOURCE	DRY004	8.00	a			6263998.39	2239719.51	8.00	0.00
						6264093.87	2239717.34	8.00	0.00
						6264093.87	2239736.87	8.00	0.00
						6264254.46	2239736.87	8.00	0.00
						6264280.50	2239710.83	8.00	0.00
						6264292.35	2239677.04	8.00	0.00
						6264234.88	2239619.57	8.00	0.00
						6264000.56	2239624.03	8.00	0.00
AREASOURCE	DRY005	8.00	a			6262873.73	2238851.19	8.00	0.00
						6263492.96	2238853.78	8.00	0.00
						6263492.96	2238808.93	8.00	0.00
						6262872.87	2238805.48	8.00	0.00
AREASOURCE	DRY006	8.00	a			6262853.90	2238996.08	8.00	0.00
						6263530.91	2238988.32	8.00	0.00
						6263530.91	2238931.39	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262855.62	2238935.71	8.00	0.00
AREASOURCE	DRY007	8.00	a			6262889.26	2239708.45	8.00	0.00
						6263511.93	2239710.17	8.00	0.00
						6263511.07	2239655.84	8.00	0.00
						6262888.39	2239654.98	8.00	0.00
AREASOURCE	DRY008	8.00	a			6262864.25	2239573.04	8.00	0.00
						6263542.12	2239575.63	8.00	0.00
						6263543.84	2239562.70	8.00	0.00
						6263541.25	2239502.32	8.00	0.00
						6262861.66	2239512.67	8.00	0.00
AREASOURCE	DRY009	8.00	a			6263678.28	2240940.15	8.00	0.00
						6263713.00	2240940.15	8.00	0.00
						6263693.47	2239779.13	8.00	0.00
						6263660.92	2239779.13	8.00	0.00
AREASOURCE	DRY010	8.00	a			6263591.82	2240540.60	8.00	0.00
						6263629.31	2240538.82	8.00	0.00
						6263617.70	2239783.63	8.00	0.00
						6263579.32	2239783.63	8.00	0.00
AREASOURCE	DRY011	8.00	a			6263494.52	2240541.50	8.00	0.00
						6263565.04	2240539.71	8.00	0.00
						6263548.97	2239787.20	8.00	0.00
						6263479.34	2239785.42	8.00	0.00
AREASOURCE	DRY012	8.00	a			6263393.65	2240540.60	8.00	0.00
						6263459.70	2240539.71	8.00	0.00
						6263448.10	2239785.42	8.00	0.00
						6263381.15	2239785.42	8.00	0.00
AREASOURCE	DRY013	8.00	a			6262914.29	2240155.87	8.00	0.00
						6263045.51	2240154.08	8.00	0.00
						6263039.26	2239771.13	8.00	0.00
						6262908.93	2239773.81	8.00	0.00
AREASOURCE	DRY014	8.00	a			6262919.65	2240580.77	8.00	0.00
						6263052.65	2240578.99	8.00	0.00
						6263045.51	2240196.04	8.00	0.00
						6262916.97	2240196.93	8.00	0.00
AREASOURCE	DRY015	8.00	a			6262709.87	2240159.44	8.00	0.00
						6262843.77	2240157.65	8.00	0.00
						6262836.63	2239776.49	8.00	0.00
						6262709.87	2239778.27	8.00	0.00
AREASOURCE	DRY016	8.00	a			6262717.90	2240582.56	8.00	0.00
						6262850.91	2240579.88	8.00	0.00
						6262844.66	2240200.50	8.00	0.00
						6262708.98	2240204.07	8.00	0.00
AREASOURCE	DRY017	8.00	a			6262587.58	2240628.08	8.00	0.00
						6262654.53	2240629.87	8.00	0.00
						6262640.24	2239749.71	8.00	0.00
						6262575.97	2239750.60	8.00	0.00
AREASOURCE	DRY018	8.00	a			6263253.69	2240559.29	8.00	0.00
						6263318.66	2240559.29	8.00	0.00
						6263308.24	2239780.54	8.00	0.00
						6263247.96	2239779.23	8.00	0.00
AREASOURCE	DRY019	8.00	a			6263186.55	2241034.11	8.00	0.00
						6263163.83	2239781.14	8.00	0.00
						6263103.38	2239784.01	8.00	0.00
						6263120.65	2241033.26	8.00	0.00
AREASOURCE	DRY020	8.00	a			6262935.34	2241332.68	8.00	0.00
						6263065.05	2241331.71	8.00	0.00
						6263058.23	2240816.75	8.00	0.00
						6262928.51	2240814.80	8.00	0.00
AREASOURCE	DRY021	8.00	a			6262942.16	2241773.52	8.00	0.00
						6263004.58	2241772.55	8.00	0.00
						6262997.76	2241389.25	8.00	0.00
						6262937.29	2241391.20	8.00	0.00
AREASOURCE	DRY022	8.00	a			6262733.45	2241331.71	8.00	0.00
						6262868.04	2241331.71	8.00	0.00
						6262856.34	2240812.84	8.00	0.00
						6262726.62	2240810.89	8.00	0.00
AREASOURCE	DRY023	8.00	a			6262741.25	2241724.76	8.00	0.00
						6262874.87	2241724.76	8.00	0.00
						6262868.04	2241378.52	8.00	0.00
						6262735.40	2241380.47	8.00	0.00
AREASOURCE	DRY024	8.00	a			6262611.53	2241770.60	8.00	0.00
						6262672.98	2241769.62	8.00	0.00
						6262655.42	2240774.81	8.00	0.00
						6262593.00	2240776.76	8.00	0.00
AREASOURCE	DRY025	8.00	a			6263041.14	2238787.01	8.00	0.00
						6263726.17	2238785.81	8.00	0.00
						6263726.17	2238730.82	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263038.75	2238732.02	8.00	0.00
AREASOURCE	DRY026	8.00	a			6263124.51	2238591.66	8.00	0.00
						6263128.41	2238659.09	8.00	0.00
						6263636.51	2238656.70	8.00	0.00
						6263632.42	2238585.58	8.00	0.00
AREASOURCE	DRY027	8.00	a			6262400.95	2240612.62	8.00	0.00
						6262468.52	2240611.57	8.00	0.00
						6262464.30	2240547.16	8.00	0.00
						6262399.89	2240548.21	8.00	0.00
AREASOURCE	DRY028	8.00	a			6262308.03	2239648.60	8.00	0.00
						6262376.81	2239682.09	8.00	0.00
						6262406.23	2239630.65	8.00	0.00
						6262333.37	2239592.64	8.00	0.00
AREASOURCE	DRY029	8.00	a			6262270.02	2240123.75	8.00	0.00
						6262242.56	2240181.82	8.00	0.00
						6262380.88	2240248.34	8.00	0.00
						6262410.45	2240190.27	8.00	0.00
						6262367.16	2240164.93	8.00	0.00
AREASOURCE	DRY030	8.00	a			6262232.01	2240318.03	8.00	0.00
						6262403.45	2240398.77	8.00	0.00
						6262431.57	2240342.32	8.00	0.00
						6262266.85	2240261.01	8.00	0.00
AREASOURCE	DRY031	8.00	a			6261629.71	2241292.57	8.00	0.00
						6261676.73	2241310.07	8.00	0.00
						6261747.80	2241128.57	8.00	0.00
						6261730.30	2241120.92	8.00	0.00
						6261749.98	2241066.25	8.00	0.00
						6261711.72	2241053.13	8.00	0.00
AREASOURCE	DRY032	8.00	a			6262469.41	2241571.38	8.00	0.00
						6262462.85	2240912.09	8.00	0.00
						6262403.81	2240913.18	8.00	0.00
						6262411.46	2241572.47	8.00	0.00
AREASOURCE	DRY033	8.00	a			6262284.63	2241594.34	8.00	0.00
						6262348.05	2241593.25	8.00	0.00
						6262339.30	2240979.88	8.00	0.00
						6262325.09	2240976.60	8.00	0.00
						6262279.16	2240976.60	8.00	0.00
AREASOURCE	DRY034	8.00	a			6261869.16	2241601.99	8.00	0.00
						6261858.43	2240983.06	8.00	0.00
						6261794.81	2240984.25	8.00	0.00
						6261802.46	2241604.18	8.00	0.00
						6261818.86	2241601.99	8.00	0.00

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00019	x	0		45.00	a	6261818.86	2241709.14	45.00	0.00
									6262337.11	2241701.49	45.00	0.00
									6262334.93	2241593.25	45.00	0.00
									6262284.63	2241594.34	45.00	0.00
									6262279.16	2240976.60	45.00	0.00
									6262325.09	2240976.60	45.00	0.00
									6262326.18	2240836.65	45.00	0.00
									6261856.04	2240845.39	45.00	0.00
									6261869.16	2241601.99	45.00	0.00
									6261818.86	2241601.99	45.00	0.00
BUILDING			BUILDING00020	x	0		45.00	a	6262036.67	2240498.59	45.00	0.00
									6262302.75	2240630.57	45.00	0.00
									6262413.62	2240403.56	45.00	0.00
									6262232.01	2240318.03	45.00	0.00
									6262258.40	2240274.74	45.00	0.00
									6262069.40	2240181.82	45.00	0.00
									6261953.25	2240415.17	45.00	0.00
									6262051.45	2240466.91	45.00	0.00
BUILDING			BUILDING00021	x	0		45.00	a	6262092.63	2240087.85	45.00	0.00
									6262248.90	2240168.10	45.00	0.00
									6262270.02	2240123.75	45.00	0.00
									6262367.16	2240164.93	45.00	0.00
									6262406.23	2240086.79	45.00	0.00
									6262404.11	2239991.76	45.00	0.00
									6262188.71	2239886.18	45.00	0.00
BUILDING			BUILDING00022	x	0		45.00	a	6262234.12	2239796.43	45.00	0.00
									6262373.49	2239867.17	45.00	0.00
									6262399.89	2239818.60	45.00	0.00
									6262396.72	2239755.25	45.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6262359.77	2239736.24	45.00	0.00
									6262388.28	2239687.67	45.00	0.00
									6262308.03	2239648.60	45.00	0.00
BUILDING			BUILDING00023	x	0		45.00	a	6263015.11	2238643.76	45.00	0.00
									6263125.38	2238642.02	45.00	0.00
									6263124.51	2238591.66	45.00	0.00
									6263632.42	2238585.58	45.00	0.00
									6263633.29	2238632.47	45.00	0.00
									6263742.69	2238632.47	45.00	0.00
									6263734.01	2238172.31	45.00	0.00
									6263094.99	2238182.73	45.00	0.00
									6263010.77	2238307.75	45.00	0.00
BUILDING			BUILDING00024	x	0		45.00	a	6263188.69	2241151.98	45.00	0.00
									6263603.57	2241151.98	45.00	0.00
									6263599.75	2240559.29	45.00	0.00
									6263253.69	2240559.29	45.00	0.00
									6263247.96	2239779.23	45.00	0.00
									6263163.83	2239781.14	45.00	0.00
BUILDING			BUILDING00025	x	0		30.00	a	6262746.09	2239577.36	30.00	0.00
									6262864.25	2239573.04	30.00	0.00
									6262861.66	2239512.67	30.00	0.00
									6263541.25	2239502.32	30.00	0.00
									6263543.84	2239562.70	30.00	0.00
									6263648.20	2239558.38	30.00	0.00
									6263643.02	2238925.36	30.00	0.00
									6263530.91	2238931.39	30.00	0.00
									6263530.91	2238988.32	30.00	0.00
									6262853.90	2238996.08	30.00	0.00
									6262855.62	2238935.71	30.00	0.00
									6262735.74	2238936.57	30.00	0.00
									6262736.61	2238996.94	30.00	0.00
									6262727.12	2238996.94	30.00	0.00
BUILDING			BUILDING00026	x	0		30.00	a	6264398.46	2241634.77	30.00	0.00
									6264436.03	2241635.91	30.00	0.00
									6264447.42	2241621.11	30.00	0.00
									6264602.28	2241616.55	30.00	0.00
									6264595.45	2241393.37	30.00	0.00
									6264611.39	2241391.10	30.00	0.00
									6264605.69	2241036.97	30.00	0.00
									6264622.77	2241038.11	30.00	0.00
									6264620.50	2240794.44	30.00	0.00
									6264640.99	2240794.44	30.00	0.00
									6264637.58	2240579.23	30.00	0.00
									6264391.63	2240579.23	30.00	0.00
									6264392.76	2240617.94	30.00	0.00
									6264422.37	2240617.94	30.00	0.00
									6264421.23	2240800.13	30.00	0.00
									6264400.74	2240798.99	30.00	0.00
									6264399.60	2241040.39	30.00	0.00
									6264425.79	2241039.25	30.00	0.00
									6264424.65	2241131.48	30.00	0.00
									6264397.32	2241132.62	30.00	0.00
									6264393.90	2241153.12	30.00	0.00
									6264473.61	2241155.39	30.00	0.00
									6264472.47	2241271.54	30.00	0.00
									6264425.79	2241272.68	30.00	0.00
									6264425.79	2241294.31	30.00	0.00
									6264405.29	2241295.45	30.00	0.00
									6264404.15	2241315.94	30.00	0.00
									6264433.76	2241315.94	30.00	0.00
									6264433.76	2241396.79	30.00	0.00
									6264454.25	2241388.82	30.00	0.00
									6264454.25	2241409.32	30.00	0.00
									6264477.03	2241425.26	30.00	0.00
									6264473.61	2241561.90	30.00	0.00
									6264398.46	2241565.31	30.00	0.00
BUILDING			BUILDING00027	x	0		30.00	a	6264785.60	2241714.48	30.00	0.00
									6264852.78	2241713.34	30.00	0.00
									6264850.51	2241643.88	30.00	0.00
									6264784.46	2241641.60	30.00	0.00
BUILDING			BUILDING00028	x	0		30.00	a	6264881.25	2241715.62	30.00	0.00
									6265024.72	2241714.48	30.00	0.00
									6265023.58	2241687.15	30.00	0.00
									6264999.67	2241655.27	30.00	0.00
									6264917.69	2241655.27	30.00	0.00
									6264897.19	2241642.74	30.00	0.00
									6264880.11	2241641.60	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00029	x	0		30.00	a	6265019.03	2241619.97	30.00	0.00
									6265081.66	2241622.25	30.00	0.00
									6265077.10	2241532.29	30.00	0.00
									6265006.50	2241531.15	30.00	0.00
									6265006.50	2241561.90	30.00	0.00
									6265022.45	2241560.76	30.00	0.00
BUILDING			BUILDING00030	x	0		30.00	a	6264767.38	2241609.72	30.00	0.00
									6264822.04	2241608.58	30.00	0.00
									6264820.90	2241544.82	30.00	0.00
									6264766.25	2241547.09	30.00	0.00
BUILDING			BUILDING00031	x	0		30.00	a	6264844.81	2241612.00	30.00	0.00
									6264875.56	2241608.58	30.00	0.00
									6264885.81	2241592.64	30.00	0.00
									6264894.92	2241588.09	30.00	0.00
									6264915.41	2241586.95	30.00	0.00
									6264915.41	2241544.82	30.00	0.00
									6264845.95	2241544.82	30.00	0.00
BUILDING			BUILDING00032	x	0		30.00	a	6264983.73	2241260.15	30.00	0.00
									6265056.61	2241260.15	30.00	0.00
									6265061.16	2241235.10	30.00	0.00
									6264983.73	2241235.10	30.00	0.00
BUILDING			BUILDING00033	x	0		30.00	a	6264981.45	2241128.07	30.00	0.00
									6265058.88	2241125.79	30.00	0.00
									6265058.88	2241006.23	30.00	0.00
									6264996.26	2241003.95	30.00	0.00
									6264996.26	2241103.01	30.00	0.00
									6264981.45	2241105.29	30.00	0.00
BUILDING			BUILDING00034	x	0		30.00	a	6264986.01	2240603.14	30.00	0.00
									6265066.85	2240599.73	30.00	0.00
									6265067.99	2240523.43	30.00	0.00
									6264984.87	2240524.57	30.00	0.00
									6264982.59	2240532.54	30.00	0.00
									6264972.34	2240530.27	30.00	0.00
									6264973.48	2240582.65	30.00	0.00
									6264987.15	2240579.23	30.00	0.00
BUILDING			BUILDING00035	x	0		30.00	a	6263946.30	2240147.03	30.00	0.00
									6264030.94	2240144.86	30.00	0.00
									6264030.94	2240183.92	30.00	0.00
									6264185.02	2240179.58	30.00	0.00
									6264189.36	2240138.35	30.00	0.00
									6264254.46	2240140.52	30.00	0.00
									6264289.19	2240112.31	30.00	0.00
									6264280.50	2239875.76	30.00	0.00
									6264323.91	2239871.42	30.00	0.00
									6264326.08	2239706.49	30.00	0.00
									6264280.50	2239710.83	30.00	0.00
									6264254.46	2239736.87	30.00	0.00
									6264093.87	2239736.87	30.00	0.00
									6264093.87	2239717.34	30.00	0.00
									6263998.39	2239719.51	30.00	0.00
									6264000.56	2239624.03	30.00	0.00
									6263944.13	2239626.20	30.00	0.00
BUILDING			BUILDING00036	x	0		30.00	a	6264970.61	2240352.32	30.00	0.00
									6265026.60	2240349.72	30.00	0.00
									6265022.69	2240255.97	30.00	0.00
									6264969.31	2240259.88	30.00	0.00
BUILDING			BUILDING00037	x	0		30.00	a	6264966.70	2240115.35	30.00	0.00
									6265022.69	2240115.35	30.00	0.00
									6265018.79	2240025.50	30.00	0.00
									6264961.49	2240024.20	30.00	0.00
BUILDING			BUILDING00038	x	0		30.00	a	6264975.83	2239763.78	30.00	0.00
									6265024.21	2239759.38	30.00	0.00
									6265027.50	2239551.58	30.00	0.00
									6264973.63	2239554.88	30.00	0.00

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APPENDIX 9.2:

PHASE 1 - OPERATIONAL NOISE CALCULATIONS (LEQ)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_CNEL Phase 1.cna
Date: 19.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	46.6	45.5	52.2	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	44.8	44.2	50.8	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	50.5	50.1	56.7	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	45.5	45.0	51.7	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	45.1	44.7	51.4	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	46.9	46.7	53.4	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	46.0	45.9	52.5	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	42.2	42.0	48.7	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	46.1	46.0	52.7	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC001	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264905.42	2241692.52	35.00
POINTSOURCE		AC002	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265010.64	2241700.48	35.00
POINTSOURCE		AC003	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264840.43	2241652.73	35.00
POINTSOURCE		AC004	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264800.19	2241697.39	35.00
POINTSOURCE		AC005	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264238.09	2239948.49	35.00
POINTSOURCE		AC006	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263998.41	2239941.89	35.00
POINTSOURCE		AC007	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263995.11	2239780.27	35.00
POINTSOURCE		AC008	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264240.29	2239790.16	35.00
POINTSOURCE		AC009	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264239.19	2240096.91	35.00
POINTSOURCE		AC010	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263995.11	2240098.01	35.00
POINTSOURCE		AC011	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265005.74	2240043.36	35.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC012	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264975.30	2240103.77	35.00
POINTSOURCE		AC013	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265009.95	2240275.15	35.00
POINTSOURCE		AC014	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264982.79	2240338.84	35.00
POINTSOURCE		AC015	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265005.66	2240539.89	35.00
POINTSOURCE		AC016	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265045.25	2240582.25	35.00
POINTSOURCE		AC017	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264445.25	2240602.39	35.00
POINTSOURCE		AC018	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264615.39	2240764.19	35.00
POINTSOURCE		AC019	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264430.66	2240829.47	35.00
POINTSOURCE		AC020	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264596.64	2241010.03	35.00
POINTSOURCE		AC021	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264443.86	2241057.94	35.00
POINTSOURCE		AC022	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264589.00	2241141.28	35.00
POINTSOURCE		AC023	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264496.64	2241178.78	35.00
POINTSOURCE		AC024	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264590.39	2241247.53	35.00
POINTSOURCE		AC025	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264475.11	2241304.47	35.00
POINTSOURCE		AC026	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264585.52	2241368.36	35.00
POINTSOURCE		AC027	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264498.02	2241419.05	35.00
POINTSOURCE		AC028	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264574.41	2241464.89	35.00
POINTSOURCE		AC029	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264572.33	2241513.50	35.00
POINTSOURCE		AC030	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264571.64	2241589.19	35.00
POINTSOURCE		AC031	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264507.75	2241591.28	35.00
POINTSOURCE		AC032	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264451.50	2241581.55	35.00
POINTSOURCE		AC033	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264418.16	2241619.75	35.00
POINTSOURCE		AC034	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265016.77	2241022.53	35.00
POINTSOURCE		AC035	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265044.55	2241106.55	35.00
POINTSOURCE		AC036	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265004.27	2241248.92	35.00
POINTSOURCE		AC037	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264786.22	2241560.03	35.00
POINTSOURCE		AC038	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264807.05	2241596.14	35.00
POINTSOURCE		AC039	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264860.52	2241589.19	35.00
POINTSOURCE		AC040	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264899.41	2241555.17	35.00
POINTSOURCE		AC041	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265036.91	2241546.14	35.00
POINTSOURCE		AC042	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265061.22	2241602.39	35.00
POINTSOURCE		AC043	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263560.23	2239034.89	35.00
POINTSOURCE		AC044	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263621.46	2238967.62	35.00
POINTSOURCE		AC045	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263574.03	2239474.73	35.00
POINTSOURCE		AC046	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263634.40	2239542.86	35.00
POINTSOURCE		AC047	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262813.36	2239025.40	35.00
POINTSOURCE		AC048	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262768.52	2238965.89	35.00
POINTSOURCE		AC049	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262833.20	2239494.56	35.00
POINTSOURCE		AC050	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262780.59	2239545.45	35.00
POINTSOURCE		AC051	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263236.00	2240627.65	50.00
POINTSOURCE		AC052	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263402.67	2240619.84	50.00
POINTSOURCE		AC053	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263540.69	2240617.24	50.00
POINTSOURCE		AC054	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263397.46	2241083.38	50.00
POINTSOURCE		AC055	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263545.90	2241085.99	50.00
POINTSOURCE		AC056	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263249.02	2241093.80	50.00
POINTSOURCE		AC057	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263658.03	2238259.79	50.00
POINTSOURCE		AC058	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263714.21	2238205.99	50.00
POINTSOURCE		AC059	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263092.54	2238257.39	50.00
POINTSOURCE		AC060	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263147.54	2238205.99	50.00
POINTSOURCE		AC061	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262336.83	2239819.15	50.00
POINTSOURCE		AC062	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262364.61	2239835.64	50.00
POINTSOURCE		AC063	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262238.74	2239934.60	50.00
POINTSOURCE		AC064	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262198.81	2239914.63	50.00
POINTSOURCE		AC065	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262036.48	2240431.13	50.00
POINTSOURCE		AC066	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261987.00	2240409.42	50.00
POINTSOURCE		AC067	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262249.64	2240949.26	50.00
POINTSOURCE		AC068	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262303.22	2240895.69	50.00
POINTSOURCE		AC069	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262259.48	2241619.49	50.00
POINTSOURCE		AC070	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262311.96	2241676.34	50.00
POINTSOURCE		AC071	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261894.31	2241628.23	50.00
POINTSOURCE		AC072	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261846.20	2241680.71	50.00
POINTSOURCE		DT01	83.2	83.2	83.2	Lw	83.2		900.00	0.00	270.00	3.00	a	6265083.50	2241059.12	3.00
POINTSOURCE		DT02	83.2	83.2	83.2	Lw	83.2		900.00	0.00	270.00	3.00	a	6265022.01	2241213.96	3.00
POINTSOURCE		GAS01	79.9	79.9	79.9	Lw	79.9					5.00	a	6264923.06	2239575.77	5.00
POINTSOURCE		GAS02	79.9	79.9	79.9	Lw	79.9					5.00	a	6264838.40	2239574.67	5.00
POINTSOURCE		GAS03	79.9	79.9	79.9	Lw	79.9					5.00	a	6264923.06	2239615.35	5.00
POINTSOURCE		GAS04	79.9	79.9	79.9	Lw	79.9					5.00	a	6264839.50	2239614.25	5.00
POINTSOURCE		GAS05	79.9	79.9	79.9	Lw	79.9					5.00	a	6264925.25	2239651.63	5.00
POINTSOURCE		GAS06	79.9	79.9	79.9	Lw	79.9					5.00	a	6264840.60	2239650.53	5.00
POINTSOURCE		GAS07	79.9	79.9	79.9	Lw	79.9					5.00	a	6264925.25	2239695.61	5.00
POINTSOURCE		GAS08	79.9	79.9	79.9	Lw	79.9					5.00	a	6264839.50	2239694.51	5.00
POINTSOURCE		GAS09	79.9	79.9	79.9	Lw	79.9					5.00	a	6264927.45	2239731.89	5.00
POINTSOURCE		GAS10	79.9	79.9	79.9	Lw	79.9					5.00	a	6264840.60	2239735.19	5.00
POINTSOURCE		TRASH01	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262454.10	2241589.97	5.00
POINTSOURCE		TRASH02	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262445.35	2240895.69	5.00
POINTSOURCE		TRASH03	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6261841.82	2240960.20	5.00
POINTSOURCE		TRASH04	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262200.33	2240231.45	5.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		TRASH05	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262226.73	2240169.15	5.00
POINTSOURCE		TRASH06	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262342.87	2239573.63	5.00
POINTSOURCE		TRASH07	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262385.03	2239732.73	5.00
POINTSOURCE		TRASH08	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263105.70	2238656.70	5.00
POINTSOURCE		TRASH09	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263652.05	2238657.89	5.00
POINTSOURCE		TRASH10	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262867.69	2239694.65	5.00
POINTSOURCE		TRASH11	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263530.04	2239695.51	5.00
POINTSOURCE		TRASH12	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262850.45	2238816.69	5.00
POINTSOURCE		TRASH13	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263514.52	2238816.69	5.00
POINTSOURCE		TRASH14	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264390.39	2240655.17	5.00
POINTSOURCE		TRASH15	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264342.47	2241025.30	5.00
POINTSOURCE		TRASH16	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264352.89	2241540.58	5.00
POINTSOURCE		TRASH17	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264353.58	2241254.47	5.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)	
LINESOURCE		TRUCK01	89.7	89.7	89.7	62.9	62.9	62.9	Lw	89.7									8	a
LINESOURCE		TRUCK02	89.7	89.7	89.7	67.4	67.4	67.4	Lw	89.7									8	a
LINESOURCE		TRUCK03	89.7	89.7	89.7	68.0	68.0	68.0	Lw	89.7									8	a
LINESOURCE		TRUCK04	89.7	89.7	89.7	74.1	74.1	74.1	Lw	89.7									8	a
LINESOURCE		TRUCK05	89.7	89.7	89.7	66.7	66.7	66.7	Lw	89.7									8	a
LINESOURCE		TRUCK06	89.7	89.7	89.7	75.2	75.2	75.2	Lw	89.7									8	a
LINESOURCE		TRUCK07	89.7	89.7	89.7	65.1	65.1	65.1	Lw	89.7									8	a
LINESOURCE		TRUCK08	89.7	89.7	89.7	63.0	63.0	63.0	Lw	89.7									8	a
LINESOURCE		TRUCK09	89.7	89.7	89.7	63.0	63.0	63.0	Lw	89.7									8	a
LINESOURCE		TRUCK10	89.7	89.7	89.7	64.7	64.7	64.7	Lw	89.7									8	a
LINESOURCE		TRUCK11	89.7	89.7	89.7	61.0	61.0	61.0	Lw	89.7									8	a
LINESOURCE		TRUCK13	89.7	89.7	89.7	63.7	63.7	63.7	Lw	89.7									8	a
LINESOURCE		TRUCK14	89.7	89.7	89.7	62.9	62.9	62.9	Lw	89.7									8	a
LINESOURCE		TRUCK15	89.7	89.7	89.7	65.0	65.0	65.0	Lw	89.7									8	a
LINESOURCE		TRUCK16	89.7	89.7	89.7	61.9	61.9	61.9	Lw	89.7									8	a
LINESOURCE		TRUCK17	89.7	89.7	89.7	61.3	61.3	61.3	Lw	89.7									8	a
LINESOURCE		TRUCK18	89.7	89.7	89.7	65.6	65.6	65.6	Lw	89.7									8	a
LINESOURCE		TRUCK19	89.7	89.7	89.7	68.8	68.8	68.8	Lw	89.7									8	a
LINESOURCE		TRUCK20	89.7	89.7	89.7	66.0	66.0	66.0	Lw	89.7									8	a
LINESOURCE		TRUCK21	89.7	89.7	89.7	63.9	63.9	63.9	Lw	89.7									8	a
LINESOURCE		TRUCK22	89.7	89.7	89.7	66.0	66.0	66.0	Lw	89.7									8	a
LINESOURCE		TRUCK23	89.7	89.7	89.7	65.9	65.9	65.9	Lw	89.7									8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK01	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261771.48	2240997.61	8.00	0.00
						6261776.46	2240964.20	8.00	0.00
						6261783.50	2240931.17	8.00	0.00
						6261792.58	2240898.63	8.00	0.00
						6261803.65	2240866.72	8.00	0.00
						6261816.68	2240835.55	8.00	0.00
						6261818.62	2240828.59	8.00	0.00
						6261821.68	2240822.05	8.00	0.00
						6261825.76	2240816.08	8.00	0.00
						6261830.77	2240810.86	8.00	0.00
						6261836.55	2240806.53	8.00	0.00
						6261842.96	2240803.20	8.00	0.00
						6261849.84	2240800.96	8.00	0.00
						6261856.98	2240799.87	8.00	0.00
						6261864.21	2240799.96	8.00	0.00
						6261871.32	2240801.23	8.00	0.00
						6261878.14	2240803.64	8.00	0.00
						6261884.46	2240807.13	8.00	0.00
						6261904.69	2240810.69	8.00	0.00
						6261925.20	2240811.79	8.00	0.00
						6261945.69	2240810.41	8.00	0.00
						6262339.30	2240804.94	8.00	0.00
						6262349.90	2240810.37	8.00	0.00
						6262359.50	2240817.42	8.00	0.00
						6262367.86	2240825.90	8.00	0.00
						6262374.76	2240835.60	8.00	0.00
						6262380.04	2240846.28	8.00	0.00
						6262383.56	2240857.66	8.00	0.00
						6262385.22	2240869.45	8.00	0.00
						6262396.50	2241595.48	8.00	0.00
LINESOURCE	TRUCK02	8.00	a			6261768.57	2241031.26	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6261764.20	2241591.06	8.00	0.00
LINESOURCE	TRUCK03	8.00	a			6261573.68	2241317.56	8.00	0.00
						6261586.66	2241320.74	8.00	0.00
						6261599.05	2241325.77	8.00	0.00
						6261610.57	2241332.56	8.00	0.00
						6261620.98	2241340.95	8.00	0.00
						6261630.06	2241350.77	8.00	0.00
						6261637.61	2241361.80	8.00	0.00
						6261642.51	2241373.96	8.00	0.00
						6261645.65	2241386.68	8.00	0.00
						6261646.99	2241399.72	8.00	0.00
						6261646.48	2241412.82	8.00	0.00
						6261644.15	2241425.72	8.00	0.00
						6261640.03	2241438.16	8.00	0.00
						6261593.37	2241570.27	8.00	0.00
						6261591.12	2241583.75	8.00	0.00
						6261591.04	2241597.41	8.00	0.00
						6261593.16	2241610.90	8.00	0.00
						6261597.41	2241623.89	8.00	0.00
						6261603.67	2241636.03	8.00	0.00
						6261611.84	2241646.50	8.00	0.00
						6261621.62	2241655.50	8.00	0.00
						6261632.73	2241662.78	8.00	0.00
						6261644.88	2241668.15	8.00	0.00
						6261656.69	2241670.20	8.00	0.00
						6261668.67	2241670.39	8.00	0.00
						6261680.53	2241668.72	8.00	0.00
						6261691.99	2241665.21	8.00	0.00
						6261702.76	2241659.96	8.00	0.00
LINESOURCE	TRUCK04	8.00	a			6261702.76	2241659.96	8.00	0.00
						6261719.25	2241642.50	8.00	0.00
						6261733.81	2241623.40	8.00	0.00
						6261746.28	2241602.87	8.00	0.00
						6261756.54	2241581.15	8.00	0.00
						6261764.45	2241558.47	8.00	0.00
LINESOURCE	TRUCK05	8.00	a			6262438.39	2240524.88	8.00	0.00
						6262442.73	2240311.33	8.00	0.00
						6262051.24	2240112.55	8.00	0.00
LINESOURCE	TRUCK06	8.00	a			6262325.89	2239523.77	8.00	0.00
						6262406.28	2239569.15	8.00	0.00
LINESOURCE	TRUCK07	8.00	a			6263714.21	2238693.76	8.00	0.00
						6263042.33	2238699.74	8.00	0.00
						6263013.77	2238701.93	8.00	0.00
						6262985.13	2238701.72	8.00	0.00
						6262956.61	2238699.09	8.00	0.00
						6262928.40	2238694.08	8.00	0.00
						6262900.72	2238686.70	8.00	0.00
						6262873.77	2238677.02	8.00	0.00
						6262784.91	2238619.90	8.00	0.00
LINESOURCE	TRUCK08	8.00	a			6263527.46	2238890.86	8.00	0.00
						6262767.65	2238890.86	8.00	0.00
						6262755.83	2238890.36	8.00	0.00
						6262744.08	2238891.75	8.00	0.00
						6262732.70	2238894.99	8.00	0.00
						6262721.98	2238900.01	8.00	0.00
						6262712.21	2238906.68	8.00	0.00
						6262703.62	2238914.82	8.00	0.00
						6262696.44	2238924.23	8.00	0.00
						6262690.85	2238934.66	8.00	0.00
						6262687.00	2238945.85	8.00	0.00
						6262684.99	2238957.51	8.00	0.00
						6262684.86	2238969.34	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
LINESOURCE	TRUCK09	8.00	a			6263538.67	2239623.07	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
						6262619.31	2239606.68	8.00	0.00
						6262611.03	2239605.28	8.00	0.00
						6262603.10	2239602.52	8.00	0.00
						6262595.74	2239598.46	8.00	0.00
						6262589.16	2239593.23	8.00	0.00
						6262583.56	2239586.97	8.00	0.00
						6262579.09	2239579.86	8.00	0.00
						6262575.87	2239572.10	8.00	0.00
						6262574.00	2239563.91	8.00	0.00
						6262573.53	2239555.52	8.00	0.00
						6262574.47	2239547.17	8.00	0.00
						6262577.06	2239483.35	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262633.98	2239236.70	8.00	0.00
						6262631.39	2239114.23	8.00	0.00
						6262627.14	2239099.52	8.00	0.00
						6262620.95	2239085.51	8.00	0.00
						6262612.94	2239072.45	8.00	0.00
						6262603.26	2239060.58	8.00	0.00
						6262592.08	2239050.12	8.00	0.00
						6262579.59	2239041.25	8.00	0.00
						6262566.03	2239034.13	8.00	0.00
LINESOURCE	TRUCK10	8.00	a			6264294.28	2239583.54	8.00	0.00
						6263922.20	2239586.30	8.00	0.00
						6263926.79	2240128.35	8.00	0.00
						6263928.63	2240201.85	8.00	0.00
						6263867.99	2240203.69	8.00	0.00
LINESOURCE	TRUCK11	8.00	a			6263827.07	2241825.51	8.00	0.00
						6261719.13	2241877.13	8.00	0.00
						6261680.77	2241870.12	8.00	0.00
						6261642.76	2241861.39	8.00	0.00
						6261605.18	2241850.95	8.00	0.00
						6261568.12	2241838.83	8.00	0.00
						6261531.63	2241825.05	8.00	0.00
						6261408.36	2241782.10	8.00	0.00
LINESOURCE	TRUCK13	8.00	a			6261796.42	2240673.25	8.00	0.00
						6261907.12	2240704.76	8.00	0.00
						6262018.91	2240714.07	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
LINESOURCE	TRUCK14	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262710.16	2241746.29	8.00	0.00
						6262691.53	2240783.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
LINESOURCE	TRUCK15	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262888.91	2240780.23	8.00	0.00
LINESOURCE	TRUCK16	8.00	a			6262702.52	2241351.47	8.00	0.00
						6263103.29	2241355.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
						6263075.35	2239758.25	8.00	0.00
LINESOURCE	TRUCK17	8.00	a			6263092.16	2240600.34	8.00	0.00
						6262676.62	2240607.87	8.00	0.00
						6262674.76	2239761.98	8.00	0.00
						6263667.84	2239748.94	8.00	0.00
LINESOURCE	TRUCK18	8.00	a			6262883.61	2240604.12	8.00	0.00
						6262872.10	2239759.39	8.00	0.00
LINESOURCE	TRUCK19	8.00	a			6262675.67	2240173.76	8.00	0.00
						6263083.71	2240177.23	8.00	0.00
LINESOURCE	TRUCK20	8.00	a			6263360.42	2240522.16	8.00	0.00
						6263349.12	2239753.12	8.00	0.00
LINESOURCE	TRUCK21	8.00	a			6263641.76	2241008.46	8.00	0.00
						6263643.68	2239749.25	8.00	0.00
LINESOURCE	TRUCK22	8.00	a			6263477.67	2240522.63	8.00	0.00
						6263462.05	2239751.80	8.00	0.00
LINESOURCE	TRUCK23	8.00	a			6263578.37	2240533.05	8.00	0.00
						6263562.74	2239753.53	8.00	0.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR001	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR002	87.8	87.8	87.8	61.4	61.4	61.4	Lw	87.8					5	a
AREASOURCE		CAR003	87.8	87.8	87.8	58.4	58.4	58.4	Lw	87.8					5	a
AREASOURCE		CAR004	87.8	87.8	87.8	66.6	66.6	66.6	Lw	87.8					5	a
AREASOURCE		CAR005	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR006	87.8	87.8	87.8	62.2	62.2	62.2	Lw	87.8					5	a
AREASOURCE		CAR007	87.8	87.8	87.8	64.7	64.7	64.7	Lw	87.8					5	a
AREASOURCE		CAR008	87.8	87.8	87.8	63.8	63.8	63.8	Lw	87.8					5	a
AREASOURCE		CAR009	87.8	87.8	87.8	64.8	64.8	64.8	Lw	87.8					5	a
AREASOURCE		CAR010	87.8	87.8	87.8	67.0	67.0	67.0	Lw	87.8					5	a
AREASOURCE		CAR011	87.8	87.8	87.8	70.4	70.4	70.4	Lw	87.8					5	a
AREASOURCE		CAR012	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR013	87.8	87.8	87.8	63.0	63.0	63.0	Lw	87.8					5	a
AREASOURCE		CAR014	87.8	87.8	87.8	63.1	63.1	63.1	Lw	87.8					5	a
AREASOURCE		CAR015	87.8	87.8	87.8	71.6	71.6	71.6	Lw	87.8					5	a
AREASOURCE		CAR016	87.8	87.8	87.8	57.9	57.9	57.9	Lw	87.8					5	a
AREASOURCE		CAR017	87.8	87.8	87.8	71.4	71.4	71.4	Lw	87.8					5	a
AREASOURCE		CAR018	87.8	87.8	87.8	66.7	66.7	66.7	Lw	87.8					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR019	87.8	87.8	87.8	68.2	68.2	68.2	Lw	87.8					5	a
AREASOURCE		CAR020	87.8	87.8	87.8	61.7	61.7	61.7	Lw	87.8					5	a
AREASOURCE		CAR021	87.8	87.8	87.8	68.5	68.5	68.5	Lw	87.8					5	a
AREASOURCE		CAR022	87.8	87.8	87.8	64.9	64.9	64.9	Lw	87.8					5	a
AREASOURCE		CAR023	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR024	87.8	87.8	87.8	71.3	71.3	71.3	Lw	87.8					5	a
AREASOURCE		CAR025	87.8	87.8	87.8	64.3	64.3	64.3	Lw	87.8					5	a
AREASOURCE		CAR026	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR027	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR028	87.8	87.8	87.8	59.5	59.5	59.5	Lw	87.8					5	a
AREASOURCE		CAR029	87.8	87.8	87.8	60.1	60.1	60.1	Lw	87.8					5	a
AREASOURCE		CAR030	87.8	87.8	87.8	56.8	56.8	56.8	Lw	87.8					5	a
AREASOURCE		CAR031	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR032	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR033	87.8	87.8	87.8	56.7	56.7	56.7	Lw	87.8					5	a
AREASOURCE		CAR034	87.8	87.8	87.8	66.3	66.3	66.3	Lw	87.8					5	a
AREASOURCE		CAR035	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR036	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR037	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR038	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR039	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR040	87.8	87.8	87.8	59.7	59.7	59.7	Lw	87.8					5	a
AREASOURCE		CAR041	87.8	87.8	87.8	59.2	59.2	59.2	Lw	87.8					5	a
AREASOURCE		CAR042	87.8	87.8	87.8	70.9	70.9	70.9	Lw	87.8					5	a
AREASOURCE		CAR043	87.8	87.8	87.8	53.5	53.5	53.5	Lw	87.8					5	a
AREASOURCE		CAR044	87.8	87.8	87.8	55.6	55.6	55.6	Lw	87.8					5	a
AREASOURCE		CAR045	87.8	87.8	87.8	61.4	61.4	61.4	Lw	87.8					5	a
AREASOURCE		CAR046	87.8	87.8	87.8	61.7	61.7	61.7	Lw	87.8					5	a
AREASOURCE		CAR047	87.8	87.8	87.8	59.5	59.5	59.5	Lw	87.8					5	a
AREASOURCE		CAR048	87.8	87.8	87.8	59.4	59.4	59.4	Lw	87.8					5	a
AREASOURCE		CAR049	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR050	87.8	87.8	87.8	60.2	60.2	60.2	Lw	87.8					5	a
AREASOURCE		CAR051	87.8	87.8	87.8	63.5	63.5	63.5	Lw	87.8					5	a
AREASOURCE		CAR052	87.8	87.8	87.8	60.1	60.1	60.1	Lw	87.8					5	a
AREASOURCE		CAR053	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR054	87.8	87.8	87.8	61.1	61.1	61.1	Lw	87.8					5	a
AREASOURCE		CAR055	87.8	87.8	87.8	61.9	61.9	61.9	Lw	87.8					5	a
AREASOURCE		CAR056	87.8	87.8	87.8	60.2	60.2	60.2	Lw	87.8					5	a
AREASOURCE		CAR057	87.8	87.8	87.8	59.7	59.7	59.7	Lw	87.8					5	a
AREASOURCE		CAR058	87.8	87.8	87.8	59.8	59.8	59.8	Lw	87.8					5	a
AREASOURCE		CAR059	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR060	87.8	87.8	87.8	66.1	66.1	66.1	Lw	87.8					5	a
AREASOURCE		CAR061	87.8	87.8	87.8	66.0	66.0	66.0	Lw	87.8					5	a
AREASOURCE		CAR062	87.8	87.8	87.8	63.9	63.9	63.9	Lw	87.8					5	a
AREASOURCE		CAR063	87.8	87.8	87.8	61.6	61.6	61.6	Lw	87.8					5	a
AREASOURCE		CAR064	87.8	87.8	87.8	64.5	64.5	64.5	Lw	87.8					5	a
AREASOURCE		CAR065	87.8	87.8	87.8	64.6	64.6	64.6	Lw	87.8					5	a
AREASOURCE		CAR066	87.8	87.8	87.8	65.2	65.2	65.2	Lw	87.8					5	a
AREASOURCE		CAR067	87.8	87.8	87.8	59.9	59.9	59.9	Lw	87.8					5	a
AREASOURCE		CAR068	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR069	87.8	87.8	87.8	61.2	61.2	61.2	Lw	87.8					5	a
AREASOURCE		CAR070	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR071	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR072	87.8	87.8	87.8	59.9	59.9	59.9	Lw	87.8					5	a
AREASOURCE		CAR073	87.8	87.8	87.8	64.7	64.7	64.7	Lw	87.8					5	a
AREASOURCE		CAR074	87.8	87.8	87.8	65.6	65.6	65.6	Lw	87.8					5	a
AREASOURCE		CAR075	87.8	87.8	87.8	66.4	66.4	66.4	Lw	87.8					5	a
AREASOURCE		CAR076	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR077	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR078	87.8	87.8	87.8	62.6	62.6	62.6	Lw	87.8					5	a
AREASOURCE		CAR079	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR080	87.8	87.8	87.8	62.7	62.7	62.7	Lw	87.8					5	a
AREASOURCE		CAR081	87.8	87.8	87.8	62.9	62.9	62.9	Lw	87.8					5	a
AREASOURCE		CAR082	87.8	87.8	87.8	62.7	62.7	62.7	Lw	87.8					5	a
AREASOURCE		CAR083	87.8	87.8	87.8	63.3	63.3	63.3	Lw	87.8					5	a
AREASOURCE		CAR084	87.8	87.8	87.8	60.5	60.5	60.5	Lw	87.8					5	a
AREASOURCE		CAR085	87.8	87.8	87.8	62.0	62.0	62.0	Lw	87.8					5	a
AREASOURCE		CAR086	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR087	87.8	87.8	87.8	62.6	62.6	62.6	Lw	87.8					5	a
AREASOURCE		CAR088	87.8	87.8	87.8	63.8	63.8	63.8	Lw	87.8					5	a
AREASOURCE		CAR089	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR090	87.8	87.8	87.8	62.5	62.5	62.5	Lw	87.8					5	a
AREASOURCE		CAR091	87.8	87.8	87.8	62.1	62.1	62.1	Lw	87.8					5	a
AREASOURCE		CAR092	87.8	87.8	87.8	65.7	65.7	65.7	Lw	87.8					5	a
AREASOURCE		CAR093	87.8	87.8	87.8	64.9	64.9	64.9	Lw	87.8					5	a
AREASOURCE		CAR094	87.8	87.8	87.8	67.0	67.0	67.0	Lw	87.8					5	a
AREASOURCE		CAR095	87.8	87.8	87.8	63.6	63.6	63.6	Lw	87.8					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR096	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR097	87.8	87.8	87.8	61.9	61.9	61.9	Lw	87.8					5	a
AREASOURCE		CAR098	87.8	87.8	87.8	62.0	62.0	62.0	Lw	87.8					5	a
AREASOURCE		CAR099	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR100	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR101	87.8	87.8	87.8	57.1	57.1	57.1	Lw	87.8					5	a
AREASOURCE		CAR102	87.8	87.8	87.8	56.4	56.4	56.4	Lw	87.8					5	a
AREASOURCE		CAR103	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR104	87.8	87.8	87.8	60.7	60.7	60.7	Lw	87.8					5	a
AREASOURCE		CAR105	87.8	87.8	87.8	61.2	61.2	61.2	Lw	87.8					5	a
AREASOURCE		CAR106	87.8	87.8	87.8	65.4	65.4	65.4	Lw	87.8					5	a
AREASOURCE		CAR107	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR108	87.8	87.8	87.8	57.8	57.8	57.8	Lw	87.8					5	a
AREASOURCE		CAR109	87.8	87.8	87.8	58.0	58.0	58.0	Lw	87.8					5	a
AREASOURCE		CAR110	87.8	87.8	87.8	58.0	58.0	58.0	Lw	87.8					5	a
AREASOURCE		CAR111	87.8	87.8	87.8	57.5	57.5	57.5	Lw	87.8					5	a
AREASOURCE		DRY004	103.4	103.4	103.4	69.0	69.0	69.0	Lw	103.4					8	a
AREASOURCE		DRY005	103.4	103.4	103.4	69.2	69.2	69.2	Lw	103.4					8	a
AREASOURCE		DRY006	103.4	103.4	103.4	67.7	67.7	67.7	Lw	103.4					8	a
AREASOURCE		DRY007	103.4	103.4	103.4	68.5	68.5	68.5	Lw	103.4					8	a
AREASOURCE		DRY008	103.4	103.4	103.4	67.1	67.1	67.1	Lw	103.4					8	a
AREASOURCE		DRY009	103.4	103.4	103.4	67.8	67.8	67.8	Lw	103.4					8	a
AREASOURCE		DRY010	103.4	103.4	103.4	69.1	69.1	69.1	Lw	103.4					8	a
AREASOURCE		DRY011	103.4	103.4	103.4	66.5	66.5	66.5	Lw	103.4					8	a
AREASOURCE		DRY012	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY013	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY014	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY015	103.4	103.4	103.4	66.8	66.8	66.8	Lw	103.4					8	a
AREASOURCE		DRY016	103.4	103.4	103.4	66.6	66.6	66.6	Lw	103.4					8	a
AREASOURCE		DRY017	103.4	103.4	103.4	66.1	66.1	66.1	Lw	103.4					8	a
AREASOURCE		DRY018	103.4	103.4	103.4	66.8	66.8	66.8	Lw	103.4					8	a
AREASOURCE		DRY019	103.4	103.4	103.4	64.7	64.7	64.7	Lw	103.4					8	a
AREASOURCE		DRY020	103.4	103.4	103.4	65.5	65.5	65.5	Lw	103.4					8	a
AREASOURCE		DRY021	103.4	103.4	103.4	70.0	70.0	70.0	Lw	103.4					8	a
AREASOURCE		DRY022	103.4	103.4	103.4	65.4	65.4	65.4	Lw	103.4					8	a
AREASOURCE		DRY023	103.4	103.4	103.4	67.1	67.1	67.1	Lw	103.4					8	a
AREASOURCE		DRY024	103.4	103.4	103.4	65.8	65.8	65.8	Lw	103.4					8	a
AREASOURCE		DRY025	103.4	103.4	103.4	68.0	68.0	68.0	Lw	103.4					8	a
AREASOURCE		DRY026	103.4	103.4	103.4	68.3	68.3	68.3	Lw	103.4					8	a
AREASOURCE		DRY027	103.4	103.4	103.4	77.4	77.4	77.4	Lw	103.4					8	a
AREASOURCE		DRY028	103.4	103.4	103.4	76.9	76.9	76.9	Lw	103.4					8	a
AREASOURCE		DRY029	103.4	103.4	103.4	73.6	73.6	73.6	Lw	103.4					8	a
AREASOURCE		DRY030	103.4	103.4	103.4	72.9	72.9	72.9	Lw	103.4					8	a
AREASOURCE		DRY031	103.4	103.4	103.4	72.6	72.6	72.6	Lw	103.4					8	a
AREASOURCE		DRY032	103.4	103.4	103.4	67.9	67.9	67.9	Lw	103.4					8	a
AREASOURCE		DRY033	103.4	103.4	103.4	67.9	67.9	67.9	Lw	103.4					8	a
AREASOURCE		DRY034	103.4	103.4	103.4	67.7	67.7	67.7	Lw	103.4					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR001	5.00	a			6261833.96	2241791.77	5.00	0.00
						6262050.31	2241789.35	5.00	0.00
						6262049.40	2241772.08	5.00	0.00
						6261833.66	2241774.20	5.00	0.00
AREASOURCE	CAR002	5.00	a			6262096.37	2241787.53	5.00	0.00
						6262377.86	2241784.50	5.00	0.00
						6262377.56	2241767.84	5.00	0.00
						6262096.06	2241771.17	5.00	0.00
AREASOURCE	CAR003	5.00	a			6261856.08	2241744.81	5.00	0.00
						6262377.26	2241739.05	5.00	0.00
						6262376.35	2241721.78	5.00	0.00
						6261855.78	2241726.32	5.00	0.00
AREASOURCE	CAR004	5.00	a			6262376.95	2241712.08	5.00	0.00
						6262392.71	2241711.48	5.00	0.00
						6262391.80	2241620.88	5.00	0.00
						6262376.35	2241620.88	5.00	0.00
AREASOURCE	CAR005	5.00	a			6262438.16	2241782.99	5.00	0.00
						6262435.13	2241620.57	5.00	0.00
						6262419.98	2241619.97	5.00	0.00
						6262423.01	2241783.59	5.00	0.00
AREASOURCE	CAR006	5.00	a			6261869.22	2240625.84	5.00	0.00
						6261927.78	2240637.36	5.00	0.00
						6261979.30	2240642.48	5.00	0.00
						6262037.54	2240642.16	5.00	0.00
						6262097.06	2240642.48	5.00	0.00
						6262096.42	2240625.52	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6261988.26	2240625.52	5.00	0.00
						6261930.34	2240620.40	5.00	0.00
						6261872.10	2240608.56	5.00	0.00
AREASOURCE	CAR007	5.00	a			6261924.90	2240572.72	5.00	0.00
						6261921.70	2240590.64	5.00	0.00
						6261977.70	2240596.72	5.00	0.00
						6261990.18	2240597.68	5.00	0.00
						6262049.38	2240598.00	5.00	0.00
						6262048.74	2240580.08	5.00	0.00
						6261982.50	2240580.40	5.00	0.00
AREASOURCE	CAR008	5.00	a			6262090.98	2240594.80	5.00	0.00
						6262098.98	2240580.08	5.00	0.00
						6262026.34	2240542.64	5.00	0.00
						6261992.10	2240523.44	5.00	0.00
						6261971.30	2240501.36	5.00	0.00
						6261960.10	2240513.52	5.00	0.00
						6261979.62	2240534.96	5.00	0.00
						6261986.98	2240542.32	5.00	0.00
						6262018.02	2240558.32	5.00	0.00
AREASOURCE	CAR009	5.00	a			6261866.66	2240600.88	5.00	0.00
						6261922.02	2240486.64	5.00	0.00
						6261906.02	2240480.24	5.00	0.00
						6261851.30	2240593.20	5.00	0.00
AREASOURCE	CAR010	5.00	a			6261941.22	2240452.40	5.00	0.00
						6262001.38	2240482.16	5.00	0.00
						6262010.98	2240465.20	5.00	0.00
						6261947.62	2240435.12	5.00	0.00
AREASOURCE	CAR011	5.00	a			6262381.73	2240151.35	5.00	0.00
						6262372.78	2240168.22	5.00	0.00
						6262397.71	2240182.81	5.00	0.00
						6262408.55	2240165.22	5.00	0.00
AREASOURCE	CAR012	5.00	a			6262438.15	2240191.58	5.00	0.00
						6262455.73	2240191.58	5.00	0.00
						6262448.33	2239815.58	5.00	0.00
						6262431.22	2239816.04	5.00	0.00
AREASOURCE	CAR013	5.00	a			6262371.55	2239956.17	5.00	0.00
						6262378.49	2239940.91	5.00	0.00
						6262209.22	2239856.28	5.00	0.00
						6262201.82	2239872.46	5.00	0.00
AREASOURCE	CAR014	5.00	a			6262376.64	2239899.29	5.00	0.00
						6262385.43	2239883.56	5.00	0.00
						6262232.34	2239805.86	5.00	0.00
						6262223.56	2239822.51	5.00	0.00
AREASOURCE	CAR015	5.00	a			6262401.15	2239878.48	5.00	0.00
						6262400.69	2239851.65	5.00	0.00
						6262384.36	2239851.96	5.00	0.00
						6262384.10	2239879.04	5.00	0.00
AREASOURCE	CAR016	5.00	a			6263161.59	2238163.94	5.00	0.00
						6263729.58	2238163.94	5.00	0.00
						6263728.28	2238144.29	5.00	0.00
						6263161.59	2238146.48	5.00	0.00
AREASOURCE	CAR017	5.00	a			6263217.91	2238116.35	5.00	0.00
						6263246.73	2238116.79	5.00	0.00
						6263247.16	2238100.20	5.00	0.00
						6263219.66	2238099.76	5.00	0.00
AREASOURCE	CAR018	5.00	a			6263256.77	2238108.50	5.00	0.00
						6263272.92	2238108.06	5.00	0.00
						6263272.92	2238025.11	5.00	0.00
						6263255.02	2238027.29	5.00	0.00
AREASOURCE	CAR019	5.00	a			6263222.28	2238092.78	5.00	0.00
						6263250.65	2238048.25	5.00	0.00
						6263236.25	2238036.90	5.00	0.00
						6263207.00	2238083.61	5.00	0.00
AREASOURCE	CAR020	5.00	a			6263177.31	2238075.31	5.00	0.00
						6263317.89	2237865.76	5.00	0.00
						6263300.86	2237855.28	5.00	0.00
						6263165.08	2238066.15	5.00	0.00
AREASOURCE	CAR021	5.00	a			6263321.38	2237844.36	5.00	0.00
						6263321.38	2237861.83	5.00	0.00
						6263376.83	2237861.39	5.00	0.00
						6263375.95	2237845.67	5.00	0.00
AREASOURCE	CAR022	5.00	a			6263387.74	2237870.56	5.00	0.00
						6263479.42	2237929.50	5.00	0.00
						6263489.46	2237914.22	5.00	0.00
						6263399.53	2237853.53	5.00	0.00
AREASOURCE	CAR023	5.00	a			6263534.87	2237962.68	5.00	0.00
						6263715.61	2238085.79	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263726.53	2238070.08	5.00	0.00
						6263543.60	2237950.45	5.00	0.00
AREASOURCE	CAR024	5.00	a			6263652.31	2238107.19	5.00	0.00
						6263651.87	2238080.99	5.00	0.00
						6263633.97	2238080.55	5.00	0.00
						6263633.97	2238107.62	5.00	0.00
AREASOURCE	CAR025	5.00	a			6263605.60	2238108.06	5.00	0.00
						6263604.72	2238053.05	5.00	0.00
						6263585.51	2238053.92	5.00	0.00
						6263585.95	2238036.46	5.00	0.00
						6263567.18	2238035.15	5.00	0.00
						6263567.61	2238108.06	5.00	0.00
AREASOURCE	CAR026	5.00	a			6263539.24	2238108.50	5.00	0.00
						6263537.05	2238007.64	5.00	0.00
						6263517.41	2238007.21	5.00	0.00
						6263517.84	2237997.60	5.00	0.00
						6263500.38	2237999.35	5.00	0.00
						6263501.69	2238100.20	5.00	0.00
						6263519.15	2238098.89	5.00	0.00
						6263520.46	2238108.50	5.00	0.00
AREASOURCE	CAR027	5.00	a			6263434.46	2238108.50	5.00	0.00
						6263453.67	2238108.06	5.00	0.00
						6263453.67	2238100.64	5.00	0.00
						6263471.56	2238099.76	5.00	0.00
						6263470.69	2237963.55	5.00	0.00
						6263451.05	2237963.55	5.00	0.00
						6263452.36	2237954.38	5.00	0.00
						6263432.71	2237954.82	5.00	0.00
AREASOURCE	CAR028	5.00	a			6263368.97	2238107.62	5.00	0.00
						6263406.08	2238108.50	5.00	0.00
						6263402.58	2237916.40	5.00	0.00
						6263384.69	2237918.15	5.00	0.00
						6263384.69	2237908.54	5.00	0.00
						6263365.48	2237908.10	5.00	0.00
AREASOURCE	CAR029	5.00	a			6263302.61	2238108.50	5.00	0.00
						6263338.84	2238106.75	5.00	0.00
						6263337.10	2237926.44	5.00	0.00
						6263318.76	2237927.31	5.00	0.00
						6263317.89	2237944.78	5.00	0.00
						6263299.99	2237944.78	5.00	0.00
AREASOURCE	CAR030	5.00	a			6263206.20	2241722.79	5.00	0.00
						6263569.49	2241723.41	5.00	0.00
						6263569.49	2241686.21	5.00	0.00
						6263206.20	2241685.59	5.00	0.00
AREASOURCE	CAR031	5.00	a			6263205.58	2241659.56	5.00	0.00
						6263568.25	2241659.56	5.00	0.00
						6263567.63	2241622.98	5.00	0.00
						6263204.96	2241622.98	5.00	0.00
AREASOURCE	CAR032	5.00	a			6263203.10	2241595.70	5.00	0.00
						6263566.39	2241596.94	5.00	0.00
						6263567.01	2241559.13	5.00	0.00
						6263202.48	2241560.37	5.00	0.00
AREASOURCE	CAR033	5.00	a			6263201.86	2241534.33	5.00	0.00
						6263565.77	2241532.47	5.00	0.00
						6263565.77	2241494.65	5.00	0.00
						6263203.10	2241496.51	5.00	0.00
AREASOURCE	CAR034	5.00	a			6263149.79	2241650.88	5.00	0.00
						6263170.87	2241649.64	5.00	0.00
						6263171.49	2241578.34	5.00	0.00
						6263150.41	2241578.34	5.00	0.00
AREASOURCE	CAR035	5.00	a			6263148.55	2241524.41	5.00	0.00
						6263167.15	2241522.55	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263142.97	2241244.82	5.00	0.00
AREASOURCE	CAR036	5.00	a			6263202.48	2241469.23	5.00	0.00
						6263565.77	2241469.85	5.00	0.00
						6263563.91	2241433.28	5.00	0.00
						6263201.86	2241432.66	5.00	0.00
AREASOURCE	CAR037	5.00	a			6263201.24	2241405.38	5.00	0.00
						6263563.29	2241406.62	5.00	0.00
						6263564.53	2241368.80	5.00	0.00
						6263201.24	2241369.42	5.00	0.00
AREASOURCE	CAR038	5.00	a			6263200.62	2241341.53	5.00	0.00
						6263561.43	2241343.39	5.00	0.00
						6263562.67	2241305.57	5.00	0.00
						6263200.62	2241306.19	5.00	0.00
AREASOURCE	CAR039	5.00	a			6263200.00	2241278.29	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263561.43	2241280.15	5.00	0.00
						6263560.81	2241243.58	5.00	0.00
						6263200.00	2241241.72	5.00	0.00
AREASOURCE	CAR040	5.00	a			6263600.48	2241523.17	5.00	0.00
						6263622.80	2241523.79	5.00	0.00
						6263617.84	2241217.54	5.00	0.00
						6263594.90	2241219.40	5.00	0.00
AREASOURCE	CAR041	5.00	a			6263161.57	2241215.68	5.00	0.00
						6263596.33	2241214.62	5.00	0.00
						6263597.20	2241197.70	5.00	0.00
						6263161.87	2241196.40	5.00	0.00
AREASOURCE	CAR042	5.00	a			6263142.97	2241244.82	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263161.57	2241215.68	5.00	0.00
						6263143.21	2241216.36	5.00	0.00
AREASOURCE	CAR043	5.00	a			6263697.77	2239646.90	5.00	0.00
						6263735.80	2239646.14	5.00	0.00
						6263721.35	2238869.70	5.00	0.00
						6263684.84	2238869.70	5.00	0.00
AREASOURCE	CAR044	5.00	a			6263758.61	2239658.31	5.00	0.00
						6263782.18	2239655.27	5.00	0.00
						6263767.74	2238861.33	5.00	0.00
						6263746.44	2238862.85	5.00	0.00
AREASOURCE	CAR045	5.00	a			6264438.31	2241650.71	5.00	0.00
						6264436.03	2241675.76	5.00	0.00
						6264631.88	2241673.49	5.00	0.00
						6264629.61	2241649.57	5.00	0.00
AREASOURCE	CAR046	5.00	a			6264619.36	2241614.27	5.00	0.00
						6264640.99	2241615.41	5.00	0.00
						6264638.30	2241407.25	5.00	0.00
						6264617.47	2241406.55	5.00	0.00
AREASOURCE	CAR047	5.00	a			6264678.58	2241475.30	5.00	0.00
						6264896.64	2241472.53	5.00	0.00
						6264897.33	2241438.50	5.00	0.00
						6264679.27	2241441.97	5.00	0.00
AREASOURCE	CAR048	5.00	a			6264678.58	2241414.19	5.00	0.00
						6264898.02	2241414.19	5.00	0.00
						6264896.64	2241378.08	5.00	0.00
						6264678.58	2241382.25	5.00	0.00
AREASOURCE	CAR049	5.00	a			6264939.00	2241457.94	5.00	0.00
						6264969.55	2241457.25	5.00	0.00
						6264967.47	2241330.17	5.00	0.00
						6264938.30	2241326.69	5.00	0.00
AREASOURCE	CAR050	5.00	a			6264996.64	2241463.50	5.00	0.00
						6265042.47	2241462.80	5.00	0.00
						6265039.00	2241326.69	5.00	0.00
						6264994.55	2241323.92	5.00	0.00
AREASOURCE	CAR051	5.00	a			6265066.77	2241460.72	5.00	0.00
						6265088.30	2241460.03	5.00	0.00
						6265084.14	2241323.92	5.00	0.00
						6265063.30	2241323.92	5.00	0.00
AREASOURCE	CAR052	5.00	a			6264682.75	2241348.22	5.00	0.00
						6264889.69	2241346.83	5.00	0.00
						6264887.61	2241315.58	5.00	0.00
						6264680.66	2241317.67	5.00	0.00
AREASOURCE	CAR053	5.00	a			6264684.83	2241287.11	5.00	0.00
						6264861.22	2241289.89	5.00	0.00
						6264861.22	2241251.69	5.00	0.00
						6264682.05	2241252.39	5.00	0.00
AREASOURCE	CAR054	5.00	a			6264679.97	2241230.86	5.00	0.00
						6264909.83	2241229.47	5.00	0.00
						6264912.61	2241209.33	5.00	0.00
						6264677.19	2241207.94	5.00	0.00
AREASOURCE	CAR055	5.00	a			6264676.50	2241155.86	5.00	0.00
						6264906.36	2241157.94	5.00	0.00
						6264907.05	2241137.80	5.00	0.00
						6264675.80	2241139.89	5.00	0.00
AREASOURCE	CAR056	5.00	a			6264682.75	2241107.94	5.00	0.00
						6264908.44	2241109.33	5.00	0.00
						6264909.14	2241079.47	5.00	0.00
						6264682.75	2241082.94	5.00	0.00
AREASOURCE	CAR057	5.00	a			6264693.16	2241049.61	5.00	0.00
						6264908.44	2241051.00	5.00	0.00
						6264909.83	2241018.36	5.00	0.00
						6264689.69	2241018.36	5.00	0.00
AREASOURCE	CAR058	5.00	a			6264694.55	2240987.80	5.00	0.00
						6264907.75	2240988.50	5.00	0.00

Name	ID	Height			Coordinates			
		Begin		End	x	y	z	Ground
		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)
					6264907.75	2240954.47	5.00	0.00
					6264696.64	2240957.25	5.00	0.00
AREASOURCE	CAR059	5.00	a		6264689.00	2240924.61	5.00	0.00
					6264913.30	2240921.14	5.00	0.00
					6264911.22	2240890.58	5.00	0.00
					6264690.39	2240896.83	5.00	0.00
AREASOURCE	CAR060	5.00	a		6264952.19	2241098.92	5.00	0.00
					6264973.72	2241098.92	5.00	0.00
					6264973.72	2241026.69	5.00	0.00
					6264951.50	2241025.30	5.00	0.00
AREASOURCE	CAR061	5.00	a		6264979.27	2241290.58	5.00	0.00
					6265061.22	2241289.89	5.00	0.00
					6265059.83	2241269.75	5.00	0.00
					6264981.36	2241269.75	5.00	0.00
AREASOURCE	CAR062	5.00	a		6264962.61	2240969.05	5.00	0.00
					6265080.66	2240969.75	5.00	0.00
					6265080.66	2240944.75	5.00	0.00
					6264962.61	2240948.92	5.00	0.00
AREASOURCE	CAR063	5.00	a		6265057.05	2240746.83	5.00	0.00
					6265061.91	2240933.64	5.00	0.00
					6265082.75	2240931.55	5.00	0.00
					6265084.14	2240744.75	5.00	0.00
AREASOURCE	CAR064	5.00	a		6264961.91	2240920.44	5.00	0.00
					6265032.05	2240922.53	5.00	0.00
					6265030.66	2240885.72	5.00	0.00
					6264965.39	2240889.89	5.00	0.00
AREASOURCE	CAR065	5.00	a		6264962.61	2240860.72	5.00	0.00
					6265027.19	2240860.72	5.00	0.00
					6265029.27	2240826.69	5.00	0.00
					6264959.83	2240827.39	5.00	0.00
AREASOURCE	CAR066	5.00	a		6264966.77	2240737.11	5.00	0.00
					6265057.05	2240746.83	5.00	0.00
					6265059.83	2240720.44	5.00	0.00
					6264965.39	2240721.14	5.00	0.00
AREASOURCE	CAR067	5.00	a		6264702.19	2240866.97	5.00	0.00
					6264906.36	2240863.50	5.00	0.00
					6264906.36	2240829.47	5.00	0.00
					6264701.50	2240835.72	5.00	0.00
AREASOURCE	CAR068	5.00	a		6264701.50	2240804.47	5.00	0.00
					6264909.83	2240803.78	5.00	0.00
					6264909.14	2240771.83	5.00	0.00
					6264700.80	2240778.78	5.00	0.00
AREASOURCE	CAR069	5.00	a		6264703.58	2240748.22	5.00	0.00
					6264906.36	2240748.92	5.00	0.00
					6264905.66	2240722.53	5.00	0.00
					6264702.89	2240726.00	5.00	0.00
AREASOURCE	CAR070	5.00	a		6264720.94	2240695.44	5.00	0.00
					6264902.19	2240697.53	5.00	0.00
					6264902.89	2240662.80	5.00	0.00
					6264723.72	2240662.80	5.00	0.00
AREASOURCE	CAR071	5.00	a		6264711.22	2240630.86	5.00	0.00
					6264902.19	2240630.17	5.00	0.00
					6264904.27	2240597.53	5.00	0.00
					6264711.91	2240599.61	5.00	0.00
AREASOURCE	CAR072	5.00	a		6264707.75	2240571.83	5.00	0.00
					6264904.27	2240569.75	5.00	0.00
					6264902.19	2240535.72	5.00	0.00
					6264709.14	2240537.11	5.00	0.00
AREASOURCE	CAR073	5.00	a		6264960.52	2240694.75	5.00	0.00
					6265034.83	2240688.50	5.00	0.00
					6265037.61	2240660.72	5.00	0.00
					6264964.69	2240662.11	5.00	0.00
AREASOURCE	CAR074	5.00	a		6264968.86	2240798.92	5.00	0.00
					6265033.44	2240798.22	5.00	0.00
					6265034.14	2240771.14	5.00	0.00
					6264966.77	2240771.83	5.00	0.00
AREASOURCE	CAR075	5.00	a		6264979.27	2240628.78	5.00	0.00
					6265071.64	2240628.08	5.00	0.00
					6265067.47	2240610.03	5.00	0.00
					6264979.27	2240614.19	5.00	0.00
AREASOURCE	CAR076	5.00	a		6264386.22	2240519.75	5.00	0.00
					6264636.91	2240519.05	5.00	0.00
					6264637.61	2240495.44	5.00	0.00
					6264386.91	2240494.75	5.00	0.00
AREASOURCE	CAR077	5.00	a		6263912.96	2240345.45	5.00	0.00
					6263947.52	2240345.87	5.00	0.00
					6263946.69	2240230.09	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263916.71	2240228.43	5.00	0.00
AREASOURCE	CAR078	5.00	a			6263978.76	2240344.20	5.00	0.00
						6264010.83	2240342.53	5.00	0.00
						6264008.74	2240225.93	5.00	0.00
						6263979.59	2240227.59	5.00	0.00
AREASOURCE	CAR079	5.00	a			6264042.89	2240342.95	5.00	0.00
						6264078.29	2240344.62	5.00	0.00
						6264076.21	2240230.92	5.00	0.00
						6264042.89	2240233.01	5.00	0.00
AREASOURCE	CAR080	5.00	a			6264109.53	2240344.20	5.00	0.00
						6264142.01	2240344.62	5.00	0.00
						6264139.51	2240233.84	5.00	0.00
						6264108.28	2240234.26	5.00	0.00
AREASOURCE	CAR081	5.00	a			6264172.83	2240342.95	5.00	0.00
						6264202.40	2240343.78	5.00	0.00
						6264201.56	2240231.34	5.00	0.00
						6264171.99	2240231.34	5.00	0.00
AREASOURCE	CAR082	5.00	a			6264236.13	2240342.12	5.00	0.00
						6264267.78	2240342.12	5.00	0.00
						6264261.53	2240225.51	5.00	0.00
						6264233.21	2240225.09	5.00	0.00
AREASOURCE	CAR083	5.00	a			6264298.60	2240339.62	5.00	0.00
						6264324.83	2240339.20	5.00	0.00
						6264326.08	2240227.59	5.00	0.00
						6264297.76	2240226.76	5.00	0.00
AREASOURCE	CAR084	5.00	a			6264375.64	2240331.71	5.00	0.00
						6264415.20	2240331.71	5.00	0.00
						6264413.96	2240186.36	5.00	0.00
						6264373.98	2240186.36	5.00	0.00
AREASOURCE	CAR085	5.00	a			6264446.86	2240322.55	5.00	0.00
						6264477.67	2240322.96	5.00	0.00
						6264474.76	2240193.44	5.00	0.00
						6264442.27	2240190.53	5.00	0.00
AREASOURCE	CAR086	5.00	a			6264508.07	2240316.30	5.00	0.00
						6264539.31	2240317.55	5.00	0.00
						6264541.39	2240195.53	5.00	0.00
						6264509.74	2240193.03	5.00	0.00
AREASOURCE	CAR087	5.00	a			6264570.54	2240314.22	5.00	0.00
						6264600.53	2240314.22	5.00	0.00
						6264603.44	2240191.78	5.00	0.00
						6264575.12	2240190.95	5.00	0.00
AREASOURCE	CAR088	5.00	a			6264633.84	2240315.05	5.00	0.00
						6264658.41	2240315.05	5.00	0.00
						6264655.08	2240194.69	5.00	0.00
						6264635.09	2240192.61	5.00	0.00
AREASOURCE	CAR089	5.00	a			6264735.46	2240315.05	5.00	0.00
						6264733.38	2240183.03	5.00	0.00
						6264714.64	2240182.20	5.00	0.00
						6264717.14	2240313.80	5.00	0.00
AREASOURCE	CAR090	5.00	a			6264782.10	2240330.46	5.00	0.00
						6264888.71	2240331.71	5.00	0.00
						6264888.30	2240296.72	5.00	0.00
						6264784.18	2240295.89	5.00	0.00
AREASOURCE	CAR091	5.00	a			6264780.85	2240264.24	5.00	0.00
						6264885.38	2240262.58	5.00	0.00
						6264887.47	2240224.26	5.00	0.00
						6264778.35	2240228.01	5.00	0.00
AREASOURCE	CAR092	5.00	a			6264782.94	2240193.86	5.00	0.00
						6264886.63	2240194.28	5.00	0.00
						6264887.47	2240177.20	5.00	0.00
						6264782.10	2240177.20	5.00	0.00
AREASOURCE	CAR093	5.00	a			6264929.11	2240360.86	5.00	0.00
						6264949.10	2240360.86	5.00	0.00
						6264947.85	2240253.83	5.00	0.00
						6264928.69	2240253.83	5.00	0.00
AREASOURCE	CAR094	5.00	a			6265020.31	2240221.76	5.00	0.00
						6265041.55	2240220.51	5.00	0.00
						6265039.89	2240158.46	5.00	0.00
						6265019.07	2240160.13	5.00	0.00
AREASOURCE	CAR095	5.00	a			6264780.02	2240145.55	5.00	0.00
						6264885.80	2240144.72	5.00	0.00
						6264883.72	2240114.73	5.00	0.00
						6264785.02	2240119.73	5.00	0.00
AREASOURCE	CAR096	5.00	a			6264929.94	2240124.31	5.00	0.00
						6264951.60	2240124.73	5.00	0.00
						6264949.93	2240006.87	5.00	0.00
						6264929.11	2240007.70	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR097	5.00	a			6264766.28	2240078.09	5.00	0.00
						6264887.05	2240081.00	5.00	0.00
						6264887.88	2240042.27	5.00	0.00
						6264768.78	2240046.43	5.00	0.00
AREASOURCE	CAR098	5.00	a			6264782.94	2240015.20	5.00	0.00
						6264883.30	2240013.12	5.00	0.00
						6264883.72	2239972.72	5.00	0.00
						6264781.69	2239975.64	5.00	0.00
AREASOURCE	CAR099	5.00	a			6264385.64	2240121.40	5.00	0.00
						6264668.41	2240115.98	5.00	0.00
						6264668.41	2240098.91	5.00	0.00
						6264386.47	2240100.57	5.00	0.00
AREASOURCE	CAR100	5.00	a			6264386.05	2240071.01	5.00	0.00
						6264688.40	2240069.34	5.00	0.00
						6264691.73	2240055.18	5.00	0.00
						6264711.30	2240050.18	5.00	0.00
						6264710.06	2240036.44	5.00	0.00
						6264385.22	2240042.69	5.00	0.00
AREASOURCE	CAR101	5.00	a			6264385.64	2240010.62	5.00	0.00
						6264718.38	2240011.04	5.00	0.00
						6264717.14	2239972.72	5.00	0.00
						6264385.22	2239972.72	5.00	0.00
AREASOURCE	CAR102	5.00	a			6263899.22	2240387.93	5.00	0.00
						6264651.75	2240386.26	5.00	0.00
						6264650.09	2240363.77	5.00	0.00
						6263894.63	2240370.85	5.00	0.00
AREASOURCE	CAR103	5.00	a			6264384.80	2239942.74	5.00	0.00
						6264716.72	2239941.90	5.00	0.00
						6264714.22	2239911.09	5.00	0.00
						6264386.47	2239915.67	5.00	0.00
AREASOURCE	CAR104	5.00	a			6264784.18	2239941.90	5.00	0.00
						6264969.92	2239941.90	5.00	0.00
						6264970.34	2239911.50	5.00	0.00
						6264782.52	2239913.59	5.00	0.00
AREASOURCE	CAR105	5.00	a			6264783.77	2239879.85	5.00	0.00
						6265010.74	2239875.27	5.00	0.00
						6265011.99	2239854.45	5.00	0.00
						6264782.94	2239857.78	5.00	0.00
AREASOURCE	CAR106	5.00	a			6265015.32	2239976.47	5.00	0.00
						6265034.89	2239973.56	5.00	0.00
						6265029.89	2239879.85	5.00	0.00
						6265010.32	2239882.35	5.00	0.00
AREASOURCE	CAR107	5.00	a			6264425.62	2239881.52	5.00	0.00
						6264715.47	2239879.44	5.00	0.00
						6264715.47	2239843.20	5.00	0.00
						6264424.37	2239851.12	5.00	0.00
AREASOURCE	CAR108	5.00	a			6264385.64	2239811.55	5.00	0.00
						6264714.64	2239811.14	5.00	0.00
						6264712.14	2239776.57	5.00	0.00
						6264384.39	2239779.90	5.00	0.00
AREASOURCE	CAR109	5.00	a			6264383.97	2239749.09	5.00	0.00
						6264712.14	2239742.84	5.00	0.00
						6264713.39	2239713.27	5.00	0.00
						6264383.14	2239716.60	5.00	0.00
AREASOURCE	CAR110	5.00	a			6264384.39	2239685.78	5.00	0.00
						6264709.22	2239683.70	5.00	0.00
						6264713.39	2239650.39	5.00	0.00
						6264384.80	2239656.22	5.00	0.00
AREASOURCE	CAR111	5.00	a			6264383.55	2239620.82	5.00	0.00
						6264710.47	2239621.23	5.00	0.00
						6264712.55	2239582.92	5.00	0.00
						6264382.30	2239589.17	5.00	0.00
AREASOURCE	DRY004	8.00	a			6263998.39	2239719.51	8.00	0.00
						6264093.87	2239717.34	8.00	0.00
						6264093.87	2239736.87	8.00	0.00
						6264254.46	2239736.87	8.00	0.00
						6264280.50	2239710.83	8.00	0.00
						6264292.35	2239677.04	8.00	0.00
						6264234.88	2239619.57	8.00	0.00
						6264000.56	2239624.03	8.00	0.00
AREASOURCE	DRY005	8.00	a			6262873.73	2238851.19	8.00	0.00
						6263492.96	2238853.78	8.00	0.00
						6263492.96	2238808.93	8.00	0.00
						6262872.87	2238805.48	8.00	0.00
AREASOURCE	DRY006	8.00	a			6262853.90	2238996.08	8.00	0.00
						6263530.91	2238988.32	8.00	0.00
						6263530.91	2238931.39	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262855.62	2238935.71	8.00	0.00
AREASOURCE	DRY007	8.00	a			6262889.26	2239708.45	8.00	0.00
						6263511.93	2239710.17	8.00	0.00
						6263511.07	2239655.84	8.00	0.00
						6262888.39	2239654.98	8.00	0.00
AREASOURCE	DRY008	8.00	a			6262864.25	2239573.04	8.00	0.00
						6263542.12	2239575.63	8.00	0.00
						6263543.84	2239562.70	8.00	0.00
						6263541.25	2239502.32	8.00	0.00
						6262861.66	2239512.67	8.00	0.00
AREASOURCE	DRY009	8.00	a			6263678.28	2240940.15	8.00	0.00
						6263713.00	2240940.15	8.00	0.00
						6263693.47	2239779.13	8.00	0.00
						6263660.92	2239779.13	8.00	0.00
AREASOURCE	DRY010	8.00	a			6263591.82	2240540.60	8.00	0.00
						6263629.31	2240538.82	8.00	0.00
						6263617.70	2239783.63	8.00	0.00
						6263579.32	2239783.63	8.00	0.00
AREASOURCE	DRY011	8.00	a			6263494.52	2240541.50	8.00	0.00
						6263565.04	2240539.71	8.00	0.00
						6263548.97	2239787.20	8.00	0.00
						6263479.34	2239785.42	8.00	0.00
AREASOURCE	DRY012	8.00	a			6263393.65	2240540.60	8.00	0.00
						6263459.70	2240539.71	8.00	0.00
						6263448.10	2239785.42	8.00	0.00
						6263381.15	2239785.42	8.00	0.00
AREASOURCE	DRY013	8.00	a			6262914.29	2240155.87	8.00	0.00
						6263045.51	2240154.08	8.00	0.00
						6263039.26	2239771.13	8.00	0.00
						6262908.93	2239773.81	8.00	0.00
AREASOURCE	DRY014	8.00	a			6262919.65	2240580.77	8.00	0.00
						6263052.65	2240578.99	8.00	0.00
						6263045.51	2240196.04	8.00	0.00
						6262916.97	2240196.93	8.00	0.00
AREASOURCE	DRY015	8.00	a			6262709.87	2240159.44	8.00	0.00
						6262843.77	2240157.65	8.00	0.00
						6262836.63	2239776.49	8.00	0.00
						6262709.87	2239778.27	8.00	0.00
AREASOURCE	DRY016	8.00	a			6262717.90	2240582.56	8.00	0.00
						6262850.91	2240579.88	8.00	0.00
						6262844.66	2240200.50	8.00	0.00
						6262708.98	2240204.07	8.00	0.00
AREASOURCE	DRY017	8.00	a			6262587.58	2240628.08	8.00	0.00
						6262654.53	2240629.87	8.00	0.00
						6262640.24	2239749.71	8.00	0.00
						6262575.97	2239750.60	8.00	0.00
AREASOURCE	DRY018	8.00	a			6263253.69	2240559.29	8.00	0.00
						6263318.66	2240559.29	8.00	0.00
						6263308.24	2239780.54	8.00	0.00
						6263247.96	2239779.23	8.00	0.00
AREASOURCE	DRY019	8.00	a			6263186.55	2241034.11	8.00	0.00
						6263163.83	2239781.14	8.00	0.00
						6263103.38	2239784.01	8.00	0.00
						6263120.65	2241033.26	8.00	0.00
AREASOURCE	DRY020	8.00	a			6262935.34	2241332.68	8.00	0.00
						6263065.05	2241331.71	8.00	0.00
						6263058.23	2240816.75	8.00	0.00
						6262928.51	2240814.80	8.00	0.00
AREASOURCE	DRY021	8.00	a			6262942.16	2241773.52	8.00	0.00
						6263004.58	2241772.55	8.00	0.00
						6262997.76	2241389.25	8.00	0.00
						6262937.29	2241391.20	8.00	0.00
AREASOURCE	DRY022	8.00	a			6262733.45	2241331.71	8.00	0.00
						6262868.04	2241331.71	8.00	0.00
						6262856.34	2240812.84	8.00	0.00
						6262726.62	2240810.89	8.00	0.00
AREASOURCE	DRY023	8.00	a			6262741.25	2241724.76	8.00	0.00
						6262874.87	2241724.76	8.00	0.00
						6262868.04	2241378.52	8.00	0.00
						6262735.40	2241380.47	8.00	0.00
AREASOURCE	DRY024	8.00	a			6262611.53	2241770.60	8.00	0.00
						6262672.98	2241769.62	8.00	0.00
						6262655.42	2240774.81	8.00	0.00
						6262593.00	2240776.76	8.00	0.00
AREASOURCE	DRY025	8.00	a			6263041.14	2238787.01	8.00	0.00
						6263726.17	2238785.81	8.00	0.00
						6263726.17	2238730.82	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263038.75	2238732.02	8.00	0.00
AREASOURCE	DRY026	8.00	a			6263124.51	2238591.66	8.00	0.00
						6263128.41	2238659.09	8.00	0.00
						6263636.51	2238656.70	8.00	0.00
						6263632.42	2238585.58	8.00	0.00
AREASOURCE	DRY027	8.00	a			6262400.95	2240612.62	8.00	0.00
						6262468.52	2240611.57	8.00	0.00
						6262464.30	2240547.16	8.00	0.00
						6262399.89	2240548.21	8.00	0.00
AREASOURCE	DRY028	8.00	a			6262308.03	2239648.60	8.00	0.00
						6262376.81	2239682.09	8.00	0.00
						6262406.23	2239630.65	8.00	0.00
						6262333.37	2239592.64	8.00	0.00
AREASOURCE	DRY029	8.00	a			6262270.02	2240123.75	8.00	0.00
						6262242.56	2240181.82	8.00	0.00
						6262380.88	2240248.34	8.00	0.00
						6262410.45	2240190.27	8.00	0.00
						6262367.16	2240164.93	8.00	0.00
AREASOURCE	DRY030	8.00	a			6262232.01	2240318.03	8.00	0.00
						6262403.45	2240398.77	8.00	0.00
						6262431.57	2240342.32	8.00	0.00
						6262266.85	2240261.01	8.00	0.00
AREASOURCE	DRY031	8.00	a			6261629.71	2241292.57	8.00	0.00
						6261676.73	2241310.07	8.00	0.00
						6261747.80	2241128.57	8.00	0.00
						6261730.30	2241120.92	8.00	0.00
						6261749.98	2241066.25	8.00	0.00
						6261711.72	2241053.13	8.00	0.00
AREASOURCE	DRY032	8.00	a			6262469.41	2241571.38	8.00	0.00
						6262462.85	2240912.09	8.00	0.00
						6262403.81	2240913.18	8.00	0.00
						6262411.46	2241572.47	8.00	0.00
AREASOURCE	DRY033	8.00	a			6262284.63	2241594.34	8.00	0.00
						6262348.05	2241593.25	8.00	0.00
						6262339.30	2240979.88	8.00	0.00
						6262325.09	2240976.60	8.00	0.00
						6262279.16	2240976.60	8.00	0.00
AREASOURCE	DRY034	8.00	a			6261869.16	2241601.99	8.00	0.00
						6261858.43	2240983.06	8.00	0.00
						6261794.81	2240984.25	8.00	0.00
						6261802.46	2241604.18	8.00	0.00
						6261818.86	2241601.99	8.00	0.00

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00019	x	0		45.00	a	6261818.86	2241709.14	45.00	0.00
									6262337.11	2241701.49	45.00	0.00
									6262334.93	2241593.25	45.00	0.00
									6262284.63	2241594.34	45.00	0.00
									6262279.16	2240976.60	45.00	0.00
									6262325.09	2240976.60	45.00	0.00
									6262326.18	2240836.65	45.00	0.00
									6261856.04	2240845.39	45.00	0.00
									6261869.16	2241601.99	45.00	0.00
									6261818.86	2241601.99	45.00	0.00
BUILDING			BUILDING00020	x	0		45.00	a	6262036.67	2240498.59	45.00	0.00
									6262302.75	2240630.57	45.00	0.00
									6262413.62	2240403.56	45.00	0.00
									6262232.01	2240318.03	45.00	0.00
									6262258.40	2240274.74	45.00	0.00
									6262069.40	2240181.82	45.00	0.00
									6261953.25	2240415.17	45.00	0.00
									6262051.45	2240466.91	45.00	0.00
BUILDING			BUILDING00021	x	0		45.00	a	6262092.63	2240087.85	45.00	0.00
									6262248.90	2240168.10	45.00	0.00
									6262270.02	2240123.75	45.00	0.00
									6262367.16	2240164.93	45.00	0.00
									6262406.23	2240086.79	45.00	0.00
									6262404.11	2239991.76	45.00	0.00
									6262188.71	2239886.18	45.00	0.00
BUILDING			BUILDING00022	x	0		45.00	a	6262234.12	2239796.43	45.00	0.00
									6262373.49	2239867.17	45.00	0.00
									6262399.89	2239818.60	45.00	0.00
									6262396.72	2239755.25	45.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6262359.77	2239736.24	45.00	0.00
									6262388.28	2239687.67	45.00	0.00
									6262308.03	2239648.60	45.00	0.00
BUILDING			BUILDING00023	x	0		45.00	a	6263015.11	2238643.76	45.00	0.00
									6263125.38	2238642.02	45.00	0.00
									6263124.51	2238591.66	45.00	0.00
									6263632.42	2238585.58	45.00	0.00
									6263633.29	2238632.47	45.00	0.00
									6263742.69	2238632.47	45.00	0.00
									6263734.01	2238172.31	45.00	0.00
									6263094.99	2238182.73	45.00	0.00
									6263010.77	2238307.75	45.00	0.00
BUILDING			BUILDING00024	x	0		45.00	a	6263188.69	2241151.98	45.00	0.00
									6263603.57	2241151.98	45.00	0.00
									6263599.75	2240559.29	45.00	0.00
									6263253.69	2240559.29	45.00	0.00
									6263247.96	2239779.23	45.00	0.00
									6263163.83	2239781.14	45.00	0.00
BUILDING			BUILDING00025	x	0		30.00	a	6262746.09	2239577.36	30.00	0.00
									6262864.25	2239573.04	30.00	0.00
									6262861.66	2239512.67	30.00	0.00
									6263541.25	2239502.32	30.00	0.00
									6263543.84	2239562.70	30.00	0.00
									6263648.20	2239558.38	30.00	0.00
									6263643.02	2238925.36	30.00	0.00
									6263530.91	2238931.39	30.00	0.00
									6263530.91	2238988.32	30.00	0.00
									6262853.90	2238996.08	30.00	0.00
									6262855.62	2238935.71	30.00	0.00
									6262735.74	2238936.57	30.00	0.00
									6262736.61	2238996.94	30.00	0.00
									6262727.12	2238996.94	30.00	0.00
BUILDING			BUILDING00026	x	0		30.00	a	6264398.46	2241634.77	30.00	0.00
									6264436.03	2241635.91	30.00	0.00
									6264447.42	2241621.11	30.00	0.00
									6264602.28	2241616.55	30.00	0.00
									6264595.45	2241393.37	30.00	0.00
									6264611.39	2241391.10	30.00	0.00
									6264605.69	2241036.97	30.00	0.00
									6264622.77	2241038.11	30.00	0.00
									6264620.50	2240794.44	30.00	0.00
									6264640.99	2240794.44	30.00	0.00
									6264637.58	2240579.23	30.00	0.00
									6264391.63	2240579.23	30.00	0.00
									6264392.76	2240617.94	30.00	0.00
									6264422.37	2240617.94	30.00	0.00
									6264421.23	2240800.13	30.00	0.00
									6264400.74	2240798.99	30.00	0.00
									6264399.60	2241040.39	30.00	0.00
									6264425.79	2241039.25	30.00	0.00
									6264424.65	2241131.48	30.00	0.00
									6264397.32	2241132.62	30.00	0.00
									6264393.90	2241153.12	30.00	0.00
									6264473.61	2241155.39	30.00	0.00
									6264472.47	2241271.54	30.00	0.00
									6264425.79	2241272.68	30.00	0.00
									6264425.79	2241294.31	30.00	0.00
									6264405.29	2241295.45	30.00	0.00
									6264404.15	2241315.94	30.00	0.00
									6264433.76	2241315.94	30.00	0.00
									6264433.76	2241396.79	30.00	0.00
									6264454.25	2241388.82	30.00	0.00
									6264454.25	2241409.32	30.00	0.00
									6264477.03	2241425.26	30.00	0.00
									6264473.61	2241561.90	30.00	0.00
									6264398.46	2241565.31	30.00	0.00
BUILDING			BUILDING00027	x	0		30.00	a	6264785.60	2241714.48	30.00	0.00
									6264852.78	2241713.34	30.00	0.00
									6264850.51	2241643.88	30.00	0.00
									6264784.46	2241641.60	30.00	0.00
BUILDING			BUILDING00028	x	0		30.00	a	6264881.25	2241715.62	30.00	0.00
									6265024.72	2241714.48	30.00	0.00
									6265023.58	2241687.15	30.00	0.00
									6264999.67	2241655.27	30.00	0.00
									6264917.69	2241655.27	30.00	0.00
									6264897.19	2241642.74	30.00	0.00
									6264880.11	2241641.60	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00029	x	0		30.00	a	6265019.03	2241619.97	30.00	0.00
									6265081.66	2241622.25	30.00	0.00
									6265077.10	2241532.29	30.00	0.00
									6265006.50	2241531.15	30.00	0.00
									6265006.50	2241561.90	30.00	0.00
									6265022.45	2241560.76	30.00	0.00
BUILDING			BUILDING00030	x	0		30.00	a	6264767.38	2241609.72	30.00	0.00
									6264822.04	2241608.58	30.00	0.00
									6264820.90	2241544.82	30.00	0.00
									6264766.25	2241547.09	30.00	0.00
BUILDING			BUILDING00031	x	0		30.00	a	6264844.81	2241612.00	30.00	0.00
									6264875.56	2241608.58	30.00	0.00
									6264885.81	2241592.64	30.00	0.00
									6264894.92	2241588.09	30.00	0.00
									6264915.41	2241586.95	30.00	0.00
									6264915.41	2241544.82	30.00	0.00
									6264845.95	2241544.82	30.00	0.00
BUILDING			BUILDING00032	x	0		30.00	a	6264983.73	2241260.15	30.00	0.00
									6265056.61	2241260.15	30.00	0.00
									6265061.16	2241235.10	30.00	0.00
									6264983.73	2241235.10	30.00	0.00
BUILDING			BUILDING00033	x	0		30.00	a	6264981.45	2241128.07	30.00	0.00
									6265058.88	2241125.79	30.00	0.00
									6265058.88	2241006.23	30.00	0.00
									6264996.26	2241003.95	30.00	0.00
									6264996.26	2241103.01	30.00	0.00
									6264981.45	2241105.29	30.00	0.00
BUILDING			BUILDING00034	x	0		30.00	a	6264986.01	2240603.14	30.00	0.00
									6265066.85	2240599.73	30.00	0.00
									6265067.99	2240523.43	30.00	0.00
									6264984.87	2240524.57	30.00	0.00
									6264982.59	2240532.54	30.00	0.00
									6264972.34	2240530.27	30.00	0.00
									6264973.48	2240582.65	30.00	0.00
									6264987.15	2240579.23	30.00	0.00
BUILDING			BUILDING00035	x	0		30.00	a	6263946.30	2240147.03	30.00	0.00
									6264030.94	2240144.86	30.00	0.00
									6264030.94	2240183.92	30.00	0.00
									6264185.02	2240179.58	30.00	0.00
									6264189.36	2240138.35	30.00	0.00
									6264254.46	2240140.52	30.00	0.00
									6264289.19	2240112.31	30.00	0.00
									6264280.50	2239875.76	30.00	0.00
									6264323.91	2239871.42	30.00	0.00
									6264326.08	2239706.49	30.00	0.00
									6264280.50	2239710.83	30.00	0.00
									6264254.46	2239736.87	30.00	0.00
									6264093.87	2239736.87	30.00	0.00
									6264093.87	2239717.34	30.00	0.00
									6263998.39	2239719.51	30.00	0.00
									6264000.56	2239624.03	30.00	0.00
									6263944.13	2239626.20	30.00	0.00
BUILDING			BUILDING00036	x	0		30.00	a	6264970.61	2240352.32	30.00	0.00
									6265026.60	2240349.72	30.00	0.00
									6265022.69	2240255.97	30.00	0.00
									6264969.31	2240259.88	30.00	0.00
BUILDING			BUILDING00037	x	0		30.00	a	6264966.70	2240115.35	30.00	0.00
									6265022.69	2240115.35	30.00	0.00
									6265018.79	2240025.50	30.00	0.00
									6264961.49	2240024.20	30.00	0.00
BUILDING			BUILDING00038	x	0		30.00	a	6264975.83	2239763.78	30.00	0.00
									6265024.21	2239759.38	30.00	0.00
									6265027.50	2239551.58	30.00	0.00
									6264973.63	2239554.88	30.00	0.00

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APPENDIX 9.3:

PHASE 2, WITH OVERLAY - OPERATIONAL NOISE CALCULATIONS (LMAX)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_P2 Overlay.cna
Date: 20.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (#(Unit,LEN))	**2000.01**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (#(Unit,LEN))	**999.99**
Min. Length of Section (#(Unit,LEN))	**1.01**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**100.00**
Search Radius Rcvr	**100.00**
Max. Distance Source - Rcvr	**1000.00 1000.00**
Min. Distance Rvcr - Reflector	**1.00 1.00**
Min. Distance Source - Reflector	**0.10**
Industrial (ISO 9613)	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (#(Unit,TEMP))	**10**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (#(Unit,SPEED))	**3.0**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	52.4	52.1	58.8	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	50.6	50.4	57.0	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	55.0	54.8	61.4	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	51.8	51.6	58.3	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	51.6	51.4	58.1	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	54.6	54.4	61.1	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	57.3	57.3	63.9	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	52.3	52.2	58.9	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	65.1	65.1	71.7	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC001	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264905.42	2241692.52	35.00
POINTSOURCE		AC002	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265010.64	2241700.48	35.00
POINTSOURCE		AC003	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264840.43	2241652.73	35.00
POINTSOURCE		AC004	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264800.19	2241697.39	35.00
POINTSOURCE		AC005	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264238.09	2239948.49	35.00
POINTSOURCE		AC006	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263998.41	2239941.89	35.00
POINTSOURCE		AC007	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263995.11	2239780.27	35.00
POINTSOURCE		AC008	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264240.29	2239790.16	35.00
POINTSOURCE		AC009	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264239.19	2240096.91	35.00
POINTSOURCE		AC010	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263995.11	2240098.01	35.00
POINTSOURCE		AC011	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265005.74	2240043.36	35.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC012	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264975.30	2240103.77	35.00
POINTSOURCE		AC013	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265009.95	2240275.15	35.00
POINTSOURCE		AC014	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264982.79	2240338.84	35.00
POINTSOURCE		AC015	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265005.66	2240539.89	35.00
POINTSOURCE		AC016	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265045.25	2240582.25	35.00
POINTSOURCE		AC017	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264445.25	2240602.39	35.00
POINTSOURCE		AC018	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264615.39	2240764.19	35.00
POINTSOURCE		AC019	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264430.66	2240829.47	35.00
POINTSOURCE		AC020	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264596.64	2241010.03	35.00
POINTSOURCE		AC021	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264443.86	2241057.94	35.00
POINTSOURCE		AC022	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264589.00	2241141.28	35.00
POINTSOURCE		AC023	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264496.64	2241178.78	35.00
POINTSOURCE		AC024	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264590.39	2241247.53	35.00
POINTSOURCE		AC025	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264475.11	2241304.47	35.00
POINTSOURCE		AC026	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264585.52	2241368.36	35.00
POINTSOURCE		AC027	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264498.02	2241419.05	35.00
POINTSOURCE		AC028	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264574.41	2241464.89	35.00
POINTSOURCE		AC029	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264572.33	2241513.50	35.00
POINTSOURCE		AC030	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264571.64	2241589.19	35.00
POINTSOURCE		AC031	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264507.75	2241591.28	35.00
POINTSOURCE		AC032	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264451.50	2241581.55	35.00
POINTSOURCE		AC033	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264418.16	2241619.75	35.00
POINTSOURCE		AC034	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265016.77	2241022.53	35.00
POINTSOURCE		AC035	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265044.55	2241106.55	35.00
POINTSOURCE		AC036	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265004.27	2241248.92	35.00
POINTSOURCE		AC037	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264786.22	2241560.03	35.00
POINTSOURCE		AC038	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264807.05	2241596.14	35.00
POINTSOURCE		AC039	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264860.52	2241589.19	35.00
POINTSOURCE		AC040	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264899.41	2241555.17	35.00
POINTSOURCE		AC041	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265036.91	2241546.14	35.00
POINTSOURCE		AC042	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265061.22	2241602.39	35.00
POINTSOURCE		AC043	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263560.23	2239034.89	35.00
POINTSOURCE		AC044	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263621.46	2238967.62	35.00
POINTSOURCE		AC045	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263574.03	2239474.73	35.00
POINTSOURCE		AC046	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263634.40	2239542.86	35.00
POINTSOURCE		AC047	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262813.36	2239025.40	35.00
POINTSOURCE		AC048	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262768.52	2238965.89	35.00
POINTSOURCE		AC049	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262833.20	2239494.56	35.00
POINTSOURCE		AC050	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262780.59	2239545.45	35.00
POINTSOURCE		AC051	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263236.00	2240627.65	50.00
POINTSOURCE		AC052	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263402.67	2240619.84	50.00
POINTSOURCE		AC053	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263540.69	2240617.24	50.00
POINTSOURCE		AC054	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263397.46	2241083.38	50.00
POINTSOURCE		AC055	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263545.90	2241085.99	50.00
POINTSOURCE		AC056	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263249.02	2241093.80	50.00
POINTSOURCE		AC057	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263658.03	2238259.79	50.00
POINTSOURCE		AC058	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263714.21	2238205.99	50.00
POINTSOURCE		AC059	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263092.54	2238257.39	50.00
POINTSOURCE		AC060	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263147.54	2238205.99	50.00
POINTSOURCE		AC061	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262336.83	2239819.15	50.00
POINTSOURCE		AC062	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262364.61	2239835.64	50.00
POINTSOURCE		AC063	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262238.74	2239934.60	50.00
POINTSOURCE		AC064	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262198.81	2239914.63	50.00
POINTSOURCE		AC065	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262036.48	2240431.13	50.00
POINTSOURCE		AC066	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261987.00	2240409.42	50.00
POINTSOURCE		AC067	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262249.64	2240949.26	50.00
POINTSOURCE		AC068	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262303.22	2240895.69	50.00
POINTSOURCE		AC069	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262259.48	2241619.49	50.00
POINTSOURCE		AC070	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262311.96	2241676.34	50.00
POINTSOURCE		AC071	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261894.31	2241628.23	50.00
POINTSOURCE		AC072	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261846.20	2241680.71	50.00
POINTSOURCE		DT01	86.5	86.5	86.5	Lw	86.5		900.00	0.00	270.00	3.00	a	6265083.50	2241059.12	3.00
POINTSOURCE		DT02	86.5	86.5	86.5	Lw	86.5		900.00	0.00	270.00	3.00	a	6265022.01	2241213.96	3.00
POINTSOURCE		GAS01	86.1	86.1	86.1	Lw	86.1					5.00	a	6264923.06	2239575.77	5.00
POINTSOURCE		GAS02	86.1	86.1	86.1	Lw	86.1					5.00	a	6264838.40	2239574.67	5.00
POINTSOURCE		GAS03	86.1	86.1	86.1	Lw	86.1					5.00	a	6264923.06	2239615.35	5.00
POINTSOURCE		GAS04	86.1	86.1	86.1	Lw	86.1					5.00	a	6264839.50	2239614.25	5.00
POINTSOURCE		GAS05	86.1	86.1	86.1	Lw	86.1					5.00	a	6264925.25	2239651.63	5.00
POINTSOURCE		GAS06	86.1	86.1	86.1	Lw	86.1					5.00	a	6264840.60	2239650.53	5.00
POINTSOURCE		GAS07	86.1	86.1	86.1	Lw	86.1					5.00	a	6264925.25	2239695.61	5.00
POINTSOURCE		GAS08	86.1	86.1	86.1	Lw	86.1					5.00	a	6264839.50	2239694.51	5.00
POINTSOURCE		GAS09	86.1	86.1	86.1	Lw	86.1					5.00	a	6264927.45	2239731.89	5.00
POINTSOURCE		GAS10	86.1	86.1	86.1	Lw	86.1					5.00	a	6264840.60	2239735.19	5.00
POINTSOURCE		TRASH01	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262454.10	2241589.97	5.00
POINTSOURCE		TRASH02	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262445.35	2240895.69	5.00
POINTSOURCE		TRASH03	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6261841.82	2240960.20	5.00
POINTSOURCE		TRASH04	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262200.33	2240231.45	5.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		TRASH05	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262226.73	2240169.15	5.00
POINTSOURCE		TRASH06	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262342.87	2239573.63	5.00
POINTSOURCE		TRASH07	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262385.03	2239732.73	5.00
POINTSOURCE		TRASH08	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263105.70	2238656.70	5.00
POINTSOURCE		TRASH09	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263652.05	2238657.89	5.00
POINTSOURCE		TRASH10	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262867.69	2239694.65	5.00
POINTSOURCE		TRASH11	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263530.04	2239695.51	5.00
POINTSOURCE		TRASH12	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262850.45	2238816.69	5.00
POINTSOURCE		TRASH13	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263514.52	2238816.69	5.00
POINTSOURCE		TRASH14	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264390.39	2240655.17	5.00
POINTSOURCE		TRASH15	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264342.47	2241025.30	5.00
POINTSOURCE		TRASH16	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264352.89	2241540.58	5.00
POINTSOURCE		TRASH17	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264353.58	2241254.47	5.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)	
LINESOURCE		TRUCK01	91.4	91.4	91.4	64.6	64.6	64.6	Lw	91.4									8	a
LINESOURCE		TRUCK02	91.4	91.4	91.4	69.1	69.1	69.1	Lw	91.4									8	a
LINESOURCE		TRUCK03	91.4	91.4	91.4	69.7	69.7	69.7	Lw	91.4									8	a
LINESOURCE		TRUCK04	91.4	91.4	91.4	75.8	75.8	75.8	Lw	91.4									8	a
LINESOURCE		TRUCK05	91.4	91.4	91.4	68.4	68.4	68.4	Lw	91.4									8	a
LINESOURCE		TRUCK06	91.4	91.4	91.4	76.9	76.9	76.9	Lw	91.4									8	a
LINESOURCE		TRUCK07	91.4	91.4	91.4	66.8	66.8	66.8	Lw	91.4									8	a
LINESOURCE		TRUCK08	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4									8	a
LINESOURCE		TRUCK09	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4									8	a
LINESOURCE		TRUCK10	91.4	91.4	91.4	66.4	66.4	66.4	Lw	91.4									8	a
LINESOURCE		TRUCK11	91.4	91.4	91.4	62.7	62.7	62.7	Lw	91.4									8	a
LINESOURCE		TRUCK12	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4									8	a
LINESOURCE		TRUCK13	91.4	91.4	91.4	65.4	65.4	65.4	Lw	91.4									8	a
LINESOURCE		TRUCK14	91.4	91.4	91.4	64.6	64.6	64.6	Lw	91.4									8	a
LINESOURCE		TRUCK15	91.4	91.4	91.4	66.7	66.7	66.7	Lw	91.4									8	a
LINESOURCE		TRUCK16	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4									8	a
LINESOURCE		TRUCK17	91.4	91.4	91.4	63.0	63.0	63.0	Lw	91.4									8	a
LINESOURCE		TRUCK18	91.4	91.4	91.4	67.3	67.3	67.3	Lw	91.4									8	a
LINESOURCE		TRUCK19	91.4	91.4	91.4	70.5	70.5	70.5	Lw	91.4									8	a
LINESOURCE		TRUCK20	91.4	91.4	91.4	67.7	67.7	67.7	Lw	91.4									8	a
LINESOURCE		TRUCK21	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4									8	a
LINESOURCE		TRUCK22	91.4	91.4	91.4	67.7	67.7	67.7	Lw	91.4									8	a
LINESOURCE		TRUCK23	91.4	91.4	91.4	67.6	67.6	67.6	Lw	91.4									8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK01	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261771.48	2240997.61	8.00	0.00
						6261776.46	2240964.20	8.00	0.00
						6261783.50	2240931.17	8.00	0.00
						6261792.58	2240898.63	8.00	0.00
						6261803.65	2240866.72	8.00	0.00
						6261816.68	2240835.55	8.00	0.00
						6261818.62	2240828.59	8.00	0.00
						6261821.68	2240822.05	8.00	0.00
						6261825.76	2240816.08	8.00	0.00
						6261830.77	2240810.86	8.00	0.00
						6261836.55	2240806.53	8.00	0.00
						6261842.96	2240803.20	8.00	0.00
						6261849.84	2240800.96	8.00	0.00
						6261856.98	2240799.87	8.00	0.00
						6261864.21	2240799.96	8.00	0.00
						6261871.32	2240801.23	8.00	0.00
						6261878.14	2240803.64	8.00	0.00
						6261884.46	2240807.13	8.00	0.00
						6261904.69	2240810.69	8.00	0.00
						6261925.20	2240811.79	8.00	0.00
						6261945.69	2240810.41	8.00	0.00
						6262339.30	2240804.94	8.00	0.00
						6262349.90	2240810.37	8.00	0.00
						6262359.50	2240817.42	8.00	0.00
						6262367.86	2240825.90	8.00	0.00
						6262374.76	2240835.60	8.00	0.00
						6262380.04	2240846.28	8.00	0.00
						6262383.56	2240857.66	8.00	0.00
						6262385.22	2240869.45	8.00	0.00
						6262396.50	2241595.48	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK02	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261764.20	2241591.06	8.00	0.00
LINESOURCE	TRUCK03	8.00	a			6261573.68	2241317.56	8.00	0.00
						6261586.66	2241320.74	8.00	0.00
						6261599.05	2241325.77	8.00	0.00
						6261610.57	2241332.56	8.00	0.00
						6261620.98	2241340.95	8.00	0.00
						6261630.06	2241350.77	8.00	0.00
						6261637.61	2241361.80	8.00	0.00
						6261642.51	2241373.96	8.00	0.00
						6261645.65	2241386.68	8.00	0.00
						6261646.99	2241399.72	8.00	0.00
						6261646.48	2241412.82	8.00	0.00
						6261644.15	2241425.72	8.00	0.00
						6261640.03	2241438.16	8.00	0.00
						6261593.37	2241570.27	8.00	0.00
						6261591.12	2241583.75	8.00	0.00
						6261591.04	2241597.41	8.00	0.00
						6261593.16	2241610.90	8.00	0.00
						6261597.41	2241623.89	8.00	0.00
						6261603.67	2241636.03	8.00	0.00
						6261611.84	2241646.50	8.00	0.00
						6261621.62	2241655.50	8.00	0.00
						6261632.73	2241662.78	8.00	0.00
						6261644.88	2241668.15	8.00	0.00
						6261656.69	2241670.20	8.00	0.00
						6261668.67	2241670.39	8.00	0.00
						6261680.53	2241668.72	8.00	0.00
						6261691.99	2241665.21	8.00	0.00
						6261702.76	2241659.96	8.00	0.00
LINESOURCE	TRUCK04	8.00	a			6261702.76	2241659.96	8.00	0.00
						6261719.25	2241642.50	8.00	0.00
						6261733.81	2241623.40	8.00	0.00
						6261746.28	2241602.87	8.00	0.00
						6261756.54	2241581.15	8.00	0.00
						6261764.45	2241558.47	8.00	0.00
LINESOURCE	TRUCK05	8.00	a			6262438.39	2240524.88	8.00	0.00
						6262442.73	2240311.33	8.00	0.00
						6262051.24	2240112.55	8.00	0.00
LINESOURCE	TRUCK06	8.00	a			6262325.89	2239523.77	8.00	0.00
						6262406.28	2239569.15	8.00	0.00
LINESOURCE	TRUCK07	8.00	a			6263714.21	2238693.76	8.00	0.00
						6263042.33	2238699.74	8.00	0.00
						6263013.77	2238701.93	8.00	0.00
						6262985.13	2238701.72	8.00	0.00
						6262956.61	2238699.09	8.00	0.00
						6262928.40	2238694.08	8.00	0.00
						6262900.72	2238686.70	8.00	0.00
						6262873.77	2238677.02	8.00	0.00
						6262784.91	2238619.90	8.00	0.00
LINESOURCE	TRUCK08	8.00	a			6263527.46	2238890.86	8.00	0.00
						6262767.65	2238890.86	8.00	0.00
						6262755.83	2238890.36	8.00	0.00
						6262744.08	2238891.75	8.00	0.00
						6262732.70	2238894.99	8.00	0.00
						6262721.98	2238900.01	8.00	0.00
						6262712.21	2238906.68	8.00	0.00
						6262703.62	2238914.82	8.00	0.00
						6262696.44	2238924.23	8.00	0.00
						6262690.85	2238934.66	8.00	0.00
						6262687.00	2238945.85	8.00	0.00
						6262684.99	2238957.51	8.00	0.00
						6262684.86	2238969.34	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
LINESOURCE	TRUCK09	8.00	a			6263538.67	2239623.07	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
						6262619.31	2239606.68	8.00	0.00
						6262611.03	2239605.28	8.00	0.00
						6262603.10	2239602.52	8.00	0.00
						6262595.74	2239598.46	8.00	0.00
						6262589.16	2239593.23	8.00	0.00
						6262583.56	2239586.97	8.00	0.00
						6262579.09	2239579.86	8.00	0.00
						6262575.87	2239572.10	8.00	0.00
						6262574.00	2239563.91	8.00	0.00
						6262573.53	2239555.52	8.00	0.00
						6262574.47	2239547.17	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262577.06	2239483.35	8.00	0.00
						6262633.98	2239236.70	8.00	0.00
						6262631.39	2239114.23	8.00	0.00
						6262627.14	2239099.52	8.00	0.00
						6262620.95	2239085.51	8.00	0.00
						6262612.94	2239072.45	8.00	0.00
						6262603.26	2239060.58	8.00	0.00
						6262592.08	2239050.12	8.00	0.00
						6262579.59	2239041.25	8.00	0.00
						6262566.03	2239034.13	8.00	0.00
LINESOURCE	TRUCK10	8.00	a			6264294.28	2239583.54	8.00	0.00
						6263922.20	2239586.30	8.00	0.00
						6263926.79	2240128.35	8.00	0.00
						6263928.63	2240201.85	8.00	0.00
						6263867.99	2240203.69	8.00	0.00
LINESOURCE	TRUCK11	8.00	a			6263827.07	2241825.51	8.00	0.00
						6261719.13	2241877.13	8.00	0.00
						6261680.77	2241870.12	8.00	0.00
						6261642.76	2241861.39	8.00	0.00
						6261605.18	2241850.95	8.00	0.00
						6261568.12	2241838.83	8.00	0.00
						6261531.63	2241825.05	8.00	0.00
						6261408.36	2241782.10	8.00	0.00
LINESOURCE	TRUCK12	8.00	a			6262537.55	2241857.09	8.00	0.00
						6262563.06	2243848.54	8.00	0.00
LINESOURCE	TRUCK13	8.00	a			6261796.42	2240673.25	8.00	0.00
						6261907.12	2240704.76	8.00	0.00
						6262018.91	2240714.07	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
LINESOURCE	TRUCK14	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262710.16	2241746.29	8.00	0.00
						6262691.53	2240783.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
LINESOURCE	TRUCK15	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262888.91	2240780.23	8.00	0.00
LINESOURCE	TRUCK16	8.00	a			6262702.52	2241351.47	8.00	0.00
						6263103.29	2241355.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
						6263075.35	2239758.25	8.00	0.00
LINESOURCE	TRUCK17	8.00	a			6263092.16	2240600.34	8.00	0.00
						6262676.62	2240607.87	8.00	0.00
						6262674.76	2239761.98	8.00	0.00
						6263667.84	2239748.94	8.00	0.00
LINESOURCE	TRUCK18	8.00	a			6262883.61	2240604.12	8.00	0.00
						6262872.10	2239759.39	8.00	0.00
LINESOURCE	TRUCK19	8.00	a			6262675.67	2240173.76	8.00	0.00
						6263083.71	2240177.23	8.00	0.00
LINESOURCE	TRUCK20	8.00	a			6263360.42	2240522.16	8.00	0.00
						6263349.12	2239753.12	8.00	0.00
LINESOURCE	TRUCK21	8.00	a			6263641.76	2241008.46	8.00	0.00
						6263643.68	2239749.25	8.00	0.00
LINESOURCE	TRUCK22	8.00	a			6263477.67	2240522.63	8.00	0.00
						6263462.05	2239751.80	8.00	0.00
LINESOURCE	TRUCK23	8.00	a			6263578.37	2240533.05	8.00	0.00
						6263562.74	2239753.53	8.00	0.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR001	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR002	91.4	91.4	91.4	65.0	65.0	65.0	Lw	91.4					5	a
AREASOURCE		CAR003	91.4	91.4	91.4	62.0	62.0	62.0	Lw	91.4					5	a
AREASOURCE		CAR004	91.4	91.4	91.4	70.2	70.2	70.2	Lw	91.4					5	a
AREASOURCE		CAR005	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR006	91.4	91.4	91.4	65.8	65.8	65.8	Lw	91.4					5	a
AREASOURCE		CAR007	91.4	91.4	91.4	68.3	68.3	68.3	Lw	91.4					5	a
AREASOURCE		CAR008	91.4	91.4	91.4	67.4	67.4	67.4	Lw	91.4					5	a
AREASOURCE		CAR009	91.4	91.4	91.4	68.4	68.4	68.4	Lw	91.4					5	a
AREASOURCE		CAR010	91.4	91.4	91.4	70.6	70.6	70.6	Lw	91.4					5	a
AREASOURCE		CAR011	91.4	91.4	91.4	74.0	74.0	74.0	Lw	91.4					5	a
AREASOURCE		CAR012	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR013	91.4	91.4	91.4	66.6	66.6	66.6	Lw	91.4					5	a
AREASOURCE		CAR014	91.4	91.4	91.4	66.7	66.7	66.7	Lw	91.4					5	a
AREASOURCE		CAR015	91.4	91.4	91.4	75.2	75.2	75.2	Lw	91.4					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR016	91.4	91.4	91.4	61.5	61.5	61.5	Lw	91.4					5	a
AREASOURCE		CAR017	91.4	91.4	91.4	75.0	75.0	75.0	Lw	91.4					5	a
AREASOURCE		CAR018	91.4	91.4	91.4	70.3	70.3	70.3	Lw	91.4					5	a
AREASOURCE		CAR019	91.4	91.4	91.4	71.8	71.8	71.8	Lw	91.4					5	a
AREASOURCE		CAR020	91.4	91.4	91.4	65.3	65.3	65.3	Lw	91.4					5	a
AREASOURCE		CAR021	91.4	91.4	91.4	72.1	72.1	72.1	Lw	91.4					5	a
AREASOURCE		CAR022	91.4	91.4	91.4	68.5	68.5	68.5	Lw	91.4					5	a
AREASOURCE		CAR023	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR024	91.4	91.4	91.4	74.9	74.9	74.9	Lw	91.4					5	a
AREASOURCE		CAR025	91.4	91.4	91.4	67.9	67.9	67.9	Lw	91.4					5	a
AREASOURCE		CAR026	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR027	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR028	91.4	91.4	91.4	63.1	63.1	63.1	Lw	91.4					5	a
AREASOURCE		CAR029	91.4	91.4	91.4	63.7	63.7	63.7	Lw	91.4					5	a
AREASOURCE		CAR030	91.4	91.4	91.4	60.4	60.4	60.4	Lw	91.4					5	a
AREASOURCE		CAR031	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR032	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR033	91.4	91.4	91.4	60.3	60.3	60.3	Lw	91.4					5	a
AREASOURCE		CAR034	91.4	91.4	91.4	69.9	69.9	69.9	Lw	91.4					5	a
AREASOURCE		CAR035	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR036	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR037	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR038	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR039	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR040	91.4	91.4	91.4	63.3	63.3	63.3	Lw	91.4					5	a
AREASOURCE		CAR041	91.4	91.4	91.4	62.8	62.8	62.8	Lw	91.4					5	a
AREASOURCE		CAR042	91.4	91.4	91.4	74.5	74.5	74.5	Lw	91.4					5	a
AREASOURCE		CAR043	91.4	91.4	91.4	57.1	57.1	57.1	Lw	91.4					5	a
AREASOURCE		CAR044	91.4	91.4	91.4	59.2	59.2	59.2	Lw	91.4					5	a
AREASOURCE		CAR045	91.4	91.4	91.4	65.0	65.0	65.0	Lw	91.4					5	a
AREASOURCE		CAR046	91.4	91.4	91.4	65.3	65.3	65.3	Lw	91.4					5	a
AREASOURCE		CAR047	91.4	91.4	91.4	63.1	63.1	63.1	Lw	91.4					5	a
AREASOURCE		CAR048	91.4	91.4	91.4	63.0	63.0	63.0	Lw	91.4					5	a
AREASOURCE		CAR049	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR050	91.4	91.4	91.4	63.8	63.8	63.8	Lw	91.4					5	a
AREASOURCE		CAR051	91.4	91.4	91.4	67.1	67.1	67.1	Lw	91.4					5	a
AREASOURCE		CAR052	91.4	91.4	91.4	63.7	63.7	63.7	Lw	91.4					5	a
AREASOURCE		CAR053	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR054	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4					5	a
AREASOURCE		CAR055	91.4	91.4	91.4	65.5	65.5	65.5	Lw	91.4					5	a
AREASOURCE		CAR056	91.4	91.4	91.4	63.8	63.8	63.8	Lw	91.4					5	a
AREASOURCE		CAR057	91.4	91.4	91.4	63.3	63.3	63.3	Lw	91.4					5	a
AREASOURCE		CAR058	91.4	91.4	91.4	63.4	63.4	63.4	Lw	91.4					5	a
AREASOURCE		CAR059	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR060	91.4	91.4	91.4	69.7	69.7	69.7	Lw	91.4					5	a
AREASOURCE		CAR061	91.4	91.4	91.4	69.6	69.6	69.6	Lw	91.4					5	a
AREASOURCE		CAR062	91.4	91.4	91.4	67.5	67.5	67.5	Lw	91.4					5	a
AREASOURCE		CAR063	91.4	91.4	91.4	65.2	65.2	65.2	Lw	91.4					5	a
AREASOURCE		CAR064	91.4	91.4	91.4	68.1	68.1	68.1	Lw	91.4					5	a
AREASOURCE		CAR065	91.4	91.4	91.4	68.2	68.2	68.2	Lw	91.4					5	a
AREASOURCE		CAR066	91.4	91.4	91.4	68.8	68.8	68.8	Lw	91.4					5	a
AREASOURCE		CAR067	91.4	91.4	91.4	63.5	63.5	63.5	Lw	91.4					5	a
AREASOURCE		CAR068	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR069	91.4	91.4	91.4	64.8	64.8	64.8	Lw	91.4					5	a
AREASOURCE		CAR070	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR071	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR072	91.4	91.4	91.4	63.5	63.5	63.5	Lw	91.4					5	a
AREASOURCE		CAR073	91.4	91.4	91.4	68.3	68.3	68.3	Lw	91.4					5	a
AREASOURCE		CAR074	91.4	91.4	91.4	69.2	69.2	69.2	Lw	91.4					5	a
AREASOURCE		CAR075	91.4	91.4	91.4	70.0	70.0	70.0	Lw	91.4					5	a
AREASOURCE		CAR076	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR077	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR078	91.4	91.4	91.4	66.2	66.2	66.2	Lw	91.4					5	a
AREASOURCE		CAR079	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR080	91.4	91.4	91.4	66.3	66.3	66.3	Lw	91.4					5	a
AREASOURCE		CAR081	91.4	91.4	91.4	66.5	66.5	66.5	Lw	91.4					5	a
AREASOURCE		CAR082	91.4	91.4	91.4	66.3	66.3	66.3	Lw	91.4					5	a
AREASOURCE		CAR083	91.4	91.4	91.4	66.9	66.9	66.9	Lw	91.4					5	a
AREASOURCE		CAR084	91.4	91.4	91.4	64.1	64.1	64.1	Lw	91.4					5	a
AREASOURCE		CAR085	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4					5	a
AREASOURCE		CAR086	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR087	91.4	91.4	91.4	66.2	66.2	66.2	Lw	91.4					5	a
AREASOURCE		CAR088	91.4	91.4	91.4	67.4	67.4	67.4	Lw	91.4					5	a
AREASOURCE		CAR089	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR090	91.4	91.4	91.4	66.1	66.1	66.1	Lw	91.4					5	a
AREASOURCE		CAR091	91.4	91.4	91.4	65.7	65.7	65.7	Lw	91.4					5	a
AREASOURCE		CAR092	91.4	91.4	91.4	69.3	69.3	69.3	Lw	91.4					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR093	91.4	91.4	91.4	68.5	68.5	68.5	Lw	91.4					5	a
AREASOURCE		CAR094	91.4	91.4	91.4	70.6	70.6	70.6	Lw	91.4					5	a
AREASOURCE		CAR095	91.4	91.4	91.4	67.2	67.2	67.2	Lw	91.4					5	a
AREASOURCE		CAR096	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR097	91.4	91.4	91.4	65.5	65.5	65.5	Lw	91.4					5	a
AREASOURCE		CAR098	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4					5	a
AREASOURCE		CAR099	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR100	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR101	91.4	91.4	91.4	60.7	60.7	60.7	Lw	91.4					5	a
AREASOURCE		CAR102	91.4	91.4	91.4	60.0	60.0	60.0	Lw	91.4					5	a
AREASOURCE		CAR103	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR104	91.4	91.4	91.4	64.3	64.3	64.3	Lw	91.4					5	a
AREASOURCE		CAR105	91.4	91.4	91.4	64.8	64.8	64.8	Lw	91.4					5	a
AREASOURCE		CAR106	91.4	91.4	91.4	69.0	69.0	69.0	Lw	91.4					5	a
AREASOURCE		CAR107	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR108	91.4	91.4	91.4	61.4	61.4	61.4	Lw	91.4					5	a
AREASOURCE		CAR109	91.4	91.4	91.4	61.6	61.6	61.6	Lw	91.4					5	a
AREASOURCE		CAR110	91.4	91.4	91.4	61.6	61.6	61.6	Lw	91.4					5	a
AREASOURCE		CAR111	91.4	91.4	91.4	61.1	61.1	61.1	Lw	91.4					5	a
AREASOURCE		DRY001	111.6	111.6	111.6	58.2	58.2	58.2	Lw	111.6					8	a
AREASOURCE		DRY002	111.6	111.6	111.6	92.9	92.9	92.9	Lw	111.6					8	a
AREASOURCE		DRY003	111.6	111.6	111.6	57.0	57.0	57.0	Lw	111.6					8	a
AREASOURCE		DRY004	111.6	111.6	111.6	77.2	77.2	77.2	Lw	111.6					8	a
AREASOURCE		DRY005	111.6	111.6	111.6	77.4	77.4	77.4	Lw	111.6					8	a
AREASOURCE		DRY006	111.6	111.6	111.6	75.9	75.9	75.9	Lw	111.6					8	a
AREASOURCE		DRY007	111.6	111.6	111.6	76.7	76.7	76.7	Lw	111.6					8	a
AREASOURCE		DRY008	111.6	111.6	111.6	75.3	75.3	75.3	Lw	111.6					8	a
AREASOURCE		DRY009	111.6	111.6	111.6	76.0	76.0	76.0	Lw	111.6					8	a
AREASOURCE		DRY010	111.6	111.6	111.6	77.3	77.3	77.3	Lw	111.6					8	a
AREASOURCE		DRY011	111.6	111.6	111.6	74.7	74.7	74.7	Lw	111.6					8	a
AREASOURCE		DRY012	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY013	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY014	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY015	111.6	111.6	111.6	75.0	75.0	75.0	Lw	111.6					8	a
AREASOURCE		DRY016	111.6	111.6	111.6	74.8	74.8	74.8	Lw	111.6					8	a
AREASOURCE		DRY017	111.6	111.6	111.6	74.3	74.3	74.3	Lw	111.6					8	a
AREASOURCE		DRY018	111.6	111.6	111.6	75.0	75.0	75.0	Lw	111.6					8	a
AREASOURCE		DRY019	111.6	111.6	111.6	72.9	72.9	72.9	Lw	111.6					8	a
AREASOURCE		DRY020	111.6	111.6	111.6	73.7	73.7	73.7	Lw	111.6					8	a
AREASOURCE		DRY021	111.6	111.6	111.6	78.2	78.2	78.2	Lw	111.6					8	a
AREASOURCE		DRY022	111.6	111.6	111.6	73.6	73.6	73.6	Lw	111.6					8	a
AREASOURCE		DRY023	111.6	111.6	111.6	75.3	75.3	75.3	Lw	111.6					8	a
AREASOURCE		DRY024	111.6	111.6	111.6	74.0	74.0	74.0	Lw	111.6					8	a
AREASOURCE		DRY025	111.6	111.6	111.6	76.2	76.2	76.2	Lw	111.6					8	a
AREASOURCE		DRY026	111.6	111.6	111.6	76.5	76.5	76.5	Lw	111.6					8	a
AREASOURCE		DRY027	111.6	111.6	111.6	85.6	85.6	85.6	Lw	111.6					8	a
AREASOURCE		DRY028	111.6	111.6	111.6	85.1	85.1	85.1	Lw	111.6					8	a
AREASOURCE		DRY029	111.6	111.6	111.6	81.8	81.8	81.8	Lw	111.6					8	a
AREASOURCE		DRY030	111.6	111.6	111.6	81.1	81.1	81.1	Lw	111.6					8	a
AREASOURCE		DRY031	111.6	111.6	111.6	80.8	80.8	80.8	Lw	111.6					8	a
AREASOURCE		DRY032	111.6	111.6	111.6	76.1	76.1	76.1	Lw	111.6					8	a
AREASOURCE		DRY033	111.6	111.6	111.6	76.1	76.1	76.1	Lw	111.6					8	a
AREASOURCE		DRY034	111.6	111.6	111.6	75.9	75.9	75.9	Lw	111.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR001	5.00	a			6261833.96	2241791.77	5.00	0.00
						6262050.31	2241789.35	5.00	0.00
						6262049.40	2241772.08	5.00	0.00
						6261833.66	2241774.20	5.00	0.00
AREASOURCE	CAR002	5.00	a			6262096.37	2241787.53	5.00	0.00
						6262377.86	2241784.50	5.00	0.00
						6262377.56	2241767.84	5.00	0.00
						6262096.06	2241771.17	5.00	0.00
AREASOURCE	CAR003	5.00	a			6261856.08	2241744.81	5.00	0.00
						6262377.26	2241739.05	5.00	0.00
						6262376.35	2241721.78	5.00	0.00
						6261855.78	2241726.32	5.00	0.00
AREASOURCE	CAR004	5.00	a			6262376.95	2241712.08	5.00	0.00
						6262392.71	2241711.48	5.00	0.00
						6262391.80	2241620.88	5.00	0.00
						6262376.35	2241620.88	5.00	0.00
AREASOURCE	CAR005	5.00	a			6262438.16	2241782.99	5.00	0.00
						6262435.13	2241620.57	5.00	0.00
						6262419.98	2241619.97	5.00	0.00
						6262423.01	2241783.59	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR006	5.00	a			6261869.22	2240625.84	5.00	0.00
						6261927.78	2240637.36	5.00	0.00
						6261979.30	2240642.48	5.00	0.00
						6262037.54	2240642.16	5.00	0.00
						6262097.06	2240642.48	5.00	0.00
						6262096.42	2240625.52	5.00	0.00
						6261988.26	2240625.52	5.00	0.00
						6261930.34	2240620.40	5.00	0.00
						6261872.10	2240608.56	5.00	0.00
AREASOURCE	CAR007	5.00	a			6261924.90	2240572.72	5.00	0.00
						6261921.70	2240590.64	5.00	0.00
						6261977.70	2240596.72	5.00	0.00
						6261990.18	2240597.68	5.00	0.00
						6262049.38	2240598.00	5.00	0.00
						6262048.74	2240580.08	5.00	0.00
						6261982.50	2240580.40	5.00	0.00
AREASOURCE	CAR008	5.00	a			6262090.98	2240594.80	5.00	0.00
						6262098.98	2240580.08	5.00	0.00
						6262026.34	2240542.64	5.00	0.00
						6261992.10	2240523.44	5.00	0.00
						6261971.30	2240501.36	5.00	0.00
						6261960.10	2240513.52	5.00	0.00
						6261979.62	2240534.96	5.00	0.00
						6261986.98	2240542.32	5.00	0.00
						6262018.02	2240558.32	5.00	0.00
AREASOURCE	CAR009	5.00	a			6261866.66	2240600.88	5.00	0.00
						6261922.02	2240486.64	5.00	0.00
						6261906.02	2240480.24	5.00	0.00
						6261851.30	2240593.20	5.00	0.00
AREASOURCE	CAR010	5.00	a			6261941.22	2240452.40	5.00	0.00
						6262001.38	2240482.16	5.00	0.00
						6262010.98	2240465.20	5.00	0.00
						6261947.62	2240435.12	5.00	0.00
AREASOURCE	CAR011	5.00	a			6262381.73	2240151.35	5.00	0.00
						6262372.78	2240168.22	5.00	0.00
						6262397.71	2240182.81	5.00	0.00
						6262408.55	2240165.22	5.00	0.00
AREASOURCE	CAR012	5.00	a			6262438.15	2240191.58	5.00	0.00
						6262455.73	2240191.58	5.00	0.00
						6262448.33	2239815.58	5.00	0.00
						6262431.22	2239816.04	5.00	0.00
AREASOURCE	CAR013	5.00	a			6262371.55	2239956.17	5.00	0.00
						6262378.49	2239940.91	5.00	0.00
						6262209.22	2239856.28	5.00	0.00
						6262201.82	2239872.46	5.00	0.00
AREASOURCE	CAR014	5.00	a			6262376.64	2239899.29	5.00	0.00
						6262385.43	2239883.56	5.00	0.00
						6262232.34	2239805.86	5.00	0.00
						6262223.56	2239822.51	5.00	0.00
AREASOURCE	CAR015	5.00	a			6262401.15	2239878.48	5.00	0.00
						6262400.69	2239851.65	5.00	0.00
						6262384.36	2239851.96	5.00	0.00
						6262384.10	2239879.04	5.00	0.00
AREASOURCE	CAR016	5.00	a			6263161.59	2238163.94	5.00	0.00
						6263729.58	2238163.94	5.00	0.00
						6263728.28	2238144.29	5.00	0.00
						6263161.59	2238146.48	5.00	0.00
AREASOURCE	CAR017	5.00	a			6263217.91	2238116.35	5.00	0.00
						6263246.73	2238116.79	5.00	0.00
						6263247.16	2238100.20	5.00	0.00
						6263219.66	2238099.76	5.00	0.00
AREASOURCE	CAR018	5.00	a			6263256.77	2238108.50	5.00	0.00
						6263272.92	2238108.06	5.00	0.00
						6263272.92	2238025.11	5.00	0.00
						6263255.02	2238027.29	5.00	0.00
AREASOURCE	CAR019	5.00	a			6263222.28	2238092.78	5.00	0.00
						6263250.65	2238048.25	5.00	0.00
						6263236.25	2238036.90	5.00	0.00
						6263207.00	2238083.61	5.00	0.00
AREASOURCE	CAR020	5.00	a			6263177.31	2238075.31	5.00	0.00
						6263317.89	2237865.76	5.00	0.00
						6263300.86	2237855.28	5.00	0.00
						6263165.08	2238066.15	5.00	0.00
AREASOURCE	CAR021	5.00	a			6263321.38	2237844.36	5.00	0.00
						6263321.38	2237861.83	5.00	0.00
						6263376.83	2237861.39	5.00	0.00
						6263375.95	2237845.67	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR022	5.00	a			6263387.74	2237870.56	5.00	0.00
						6263479.42	2237929.50	5.00	0.00
						6263489.46	2237914.22	5.00	0.00
						6263399.53	2237853.53	5.00	0.00
AREASOURCE	CAR023	5.00	a			6263534.87	2237962.68	5.00	0.00
						6263715.61	2238085.79	5.00	0.00
						6263726.53	2238070.08	5.00	0.00
						6263543.60	2237950.45	5.00	0.00
AREASOURCE	CAR024	5.00	a			6263652.31	2238107.19	5.00	0.00
						6263651.87	2238080.99	5.00	0.00
						6263633.97	2238080.55	5.00	0.00
						6263633.97	2238107.62	5.00	0.00
AREASOURCE	CAR025	5.00	a			6263605.60	2238108.06	5.00	0.00
						6263604.72	2238053.05	5.00	0.00
						6263585.51	2238053.92	5.00	0.00
						6263585.95	2238036.46	5.00	0.00
						6263567.18	2238035.15	5.00	0.00
						6263567.61	2238108.06	5.00	0.00
AREASOURCE	CAR026	5.00	a			6263539.24	2238108.50	5.00	0.00
						6263537.05	2238007.64	5.00	0.00
						6263517.41	2238007.21	5.00	0.00
						6263517.84	2237997.60	5.00	0.00
						6263500.38	2237999.35	5.00	0.00
						6263501.69	2238100.20	5.00	0.00
						6263519.15	2238098.89	5.00	0.00
						6263520.46	2238108.50	5.00	0.00
AREASOURCE	CAR027	5.00	a			6263434.46	2238108.50	5.00	0.00
						6263453.67	2238108.06	5.00	0.00
						6263453.67	2238100.64	5.00	0.00
						6263471.56	2238099.76	5.00	0.00
						6263470.69	2237963.55	5.00	0.00
						6263451.05	2237963.55	5.00	0.00
						6263452.36	2237954.38	5.00	0.00
						6263432.71	2237954.82	5.00	0.00
AREASOURCE	CAR028	5.00	a			6263368.97	2238107.62	5.00	0.00
						6263406.08	2238108.50	5.00	0.00
						6263402.58	2237916.40	5.00	0.00
						6263384.69	2237918.15	5.00	0.00
						6263384.69	2237908.54	5.00	0.00
						6263365.48	2237908.10	5.00	0.00
AREASOURCE	CAR029	5.00	a			6263302.61	2238108.50	5.00	0.00
						6263338.84	2238106.75	5.00	0.00
						6263337.10	2237926.44	5.00	0.00
						6263318.76	2237927.31	5.00	0.00
						6263317.89	2237944.78	5.00	0.00
						6263299.99	2237944.78	5.00	0.00
AREASOURCE	CAR030	5.00	a			6263206.20	2241722.79	5.00	0.00
						6263569.49	2241723.41	5.00	0.00
						6263569.49	2241686.21	5.00	0.00
						6263206.20	2241685.59	5.00	0.00
AREASOURCE	CAR031	5.00	a			6263205.58	2241659.56	5.00	0.00
						6263568.25	2241659.56	5.00	0.00
						6263567.63	2241622.98	5.00	0.00
						6263204.96	2241622.98	5.00	0.00
AREASOURCE	CAR032	5.00	a			6263203.10	2241595.70	5.00	0.00
						6263566.39	2241596.94	5.00	0.00
						6263567.01	2241559.13	5.00	0.00
						6263202.48	2241560.37	5.00	0.00
AREASOURCE	CAR033	5.00	a			6263201.86	2241534.33	5.00	0.00
						6263565.77	2241532.47	5.00	0.00
						6263565.77	2241494.65	5.00	0.00
						6263203.10	2241496.51	5.00	0.00
AREASOURCE	CAR034	5.00	a			6263149.79	2241650.88	5.00	0.00
						6263170.87	2241649.64	5.00	0.00
						6263171.49	2241578.34	5.00	0.00
						6263150.41	2241578.34	5.00	0.00
AREASOURCE	CAR035	5.00	a			6263148.55	2241524.41	5.00	0.00
						6263167.15	2241522.55	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263142.97	2241244.82	5.00	0.00
AREASOURCE	CAR036	5.00	a			6263202.48	2241469.23	5.00	0.00
						6263565.77	2241469.85	5.00	0.00
						6263563.91	2241433.28	5.00	0.00
						6263201.86	2241432.66	5.00	0.00
AREASOURCE	CAR037	5.00	a			6263201.24	2241405.38	5.00	0.00
						6263563.29	2241406.62	5.00	0.00
						6263564.53	2241368.80	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263201.24	2241369.42	5.00	0.00
AREASOURCE	CAR038	5.00	a			6263200.62	2241341.53	5.00	0.00
						6263561.43	2241343.39	5.00	0.00
						6263562.67	2241305.57	5.00	0.00
						6263200.62	2241306.19	5.00	0.00
AREASOURCE	CAR039	5.00	a			6263200.00	2241278.29	5.00	0.00
						6263561.43	2241280.15	5.00	0.00
						6263560.81	2241243.58	5.00	0.00
						6263200.00	2241241.72	5.00	0.00
AREASOURCE	CAR040	5.00	a			6263600.48	2241523.17	5.00	0.00
						6263622.80	2241523.79	5.00	0.00
						6263617.84	2241217.54	5.00	0.00
						6263594.90	2241219.40	5.00	0.00
AREASOURCE	CAR041	5.00	a			6263161.57	2241215.68	5.00	0.00
						6263596.33	2241214.62	5.00	0.00
						6263597.20	2241197.70	5.00	0.00
						6263161.87	2241196.40	5.00	0.00
AREASOURCE	CAR042	5.00	a			6263142.97	2241244.82	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263161.57	2241215.68	5.00	0.00
						6263143.21	2241216.36	5.00	0.00
AREASOURCE	CAR043	5.00	a			6263697.77	2239646.90	5.00	0.00
						6263735.80	2239646.14	5.00	0.00
						6263721.35	2238869.70	5.00	0.00
						6263684.84	2238869.70	5.00	0.00
AREASOURCE	CAR044	5.00	a			6263758.61	2239658.31	5.00	0.00
						6263782.18	2239655.27	5.00	0.00
						6263767.74	2238861.33	5.00	0.00
						6263746.44	2238862.85	5.00	0.00
AREASOURCE	CAR045	5.00	a			6264438.31	2241650.71	5.00	0.00
						6264436.03	2241675.76	5.00	0.00
						6264631.88	2241673.49	5.00	0.00
						6264629.61	2241649.57	5.00	0.00
AREASOURCE	CAR046	5.00	a			6264619.36	2241614.27	5.00	0.00
						6264640.99	2241615.41	5.00	0.00
						6264638.30	2241407.25	5.00	0.00
						6264617.47	2241406.55	5.00	0.00
AREASOURCE	CAR047	5.00	a			6264678.58	2241475.30	5.00	0.00
						6264896.64	2241472.53	5.00	0.00
						6264897.33	2241438.50	5.00	0.00
						6264679.27	2241441.97	5.00	0.00
AREASOURCE	CAR048	5.00	a			6264678.58	2241414.19	5.00	0.00
						6264898.02	2241414.19	5.00	0.00
						6264896.64	2241378.08	5.00	0.00
						6264678.58	2241382.25	5.00	0.00
AREASOURCE	CAR049	5.00	a			6264939.00	2241457.94	5.00	0.00
						6264969.55	2241457.25	5.00	0.00
						6264967.47	2241330.17	5.00	0.00
						6264938.30	2241326.69	5.00	0.00
AREASOURCE	CAR050	5.00	a			6264996.64	2241463.50	5.00	0.00
						6265042.47	2241462.80	5.00	0.00
						6265039.00	2241326.69	5.00	0.00
						6264994.55	2241323.92	5.00	0.00
AREASOURCE	CAR051	5.00	a			6265066.77	2241460.72	5.00	0.00
						6265088.30	2241460.03	5.00	0.00
						6265084.14	2241323.92	5.00	0.00
						6265063.30	2241323.92	5.00	0.00
AREASOURCE	CAR052	5.00	a			6264682.75	2241348.22	5.00	0.00
						6264889.69	2241346.83	5.00	0.00
						6264887.61	2241315.58	5.00	0.00
						6264680.66	2241317.67	5.00	0.00
AREASOURCE	CAR053	5.00	a			6264684.83	2241287.11	5.00	0.00
						6264861.22	2241289.89	5.00	0.00
						6264861.22	2241251.69	5.00	0.00
						6264682.05	2241252.39	5.00	0.00
AREASOURCE	CAR054	5.00	a			6264679.97	2241230.86	5.00	0.00
						6264909.83	2241229.47	5.00	0.00
						6264912.61	2241209.33	5.00	0.00
						6264677.19	2241207.94	5.00	0.00
AREASOURCE	CAR055	5.00	a			6264676.50	2241155.86	5.00	0.00
						6264906.36	2241157.94	5.00	0.00
						6264907.05	2241137.80	5.00	0.00
						6264675.80	2241139.89	5.00	0.00
AREASOURCE	CAR056	5.00	a			6264682.75	2241107.94	5.00	0.00
						6264908.44	2241109.33	5.00	0.00
						6264909.14	2241079.47	5.00	0.00
						6264682.75	2241082.94	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR057	5.00	a			6264693.16	2241049.61	5.00	0.00
						6264908.44	2241051.00	5.00	0.00
						6264909.83	2241018.36	5.00	0.00
						6264689.69	2241018.36	5.00	0.00
AREASOURCE	CAR058	5.00	a			6264694.55	2240987.80	5.00	0.00
						6264907.75	2240988.50	5.00	0.00
						6264907.75	2240954.47	5.00	0.00
						6264696.64	2240957.25	5.00	0.00
AREASOURCE	CAR059	5.00	a			6264689.00	2240924.61	5.00	0.00
						6264913.30	2240921.14	5.00	0.00
						6264911.22	2240890.58	5.00	0.00
						6264690.39	2240896.83	5.00	0.00
AREASOURCE	CAR060	5.00	a			6264952.19	2241098.92	5.00	0.00
						6264973.72	2241098.92	5.00	0.00
						6264973.72	2241026.69	5.00	0.00
						6264951.50	2241025.30	5.00	0.00
AREASOURCE	CAR061	5.00	a			6264979.27	2241290.58	5.00	0.00
						6265061.22	2241289.89	5.00	0.00
						6265059.83	2241269.75	5.00	0.00
						6264981.36	2241269.75	5.00	0.00
AREASOURCE	CAR062	5.00	a			6264962.61	2240969.05	5.00	0.00
						6265080.66	2240969.75	5.00	0.00
						6265080.66	2240944.75	5.00	0.00
						6264962.61	2240948.92	5.00	0.00
AREASOURCE	CAR063	5.00	a			6265057.05	2240746.83	5.00	0.00
						6265061.91	2240933.64	5.00	0.00
						6265082.75	2240931.55	5.00	0.00
						6265084.14	2240744.75	5.00	0.00
AREASOURCE	CAR064	5.00	a			6264961.91	2240920.44	5.00	0.00
						6265032.05	2240922.53	5.00	0.00
						6265030.66	2240885.72	5.00	0.00
						6264965.39	2240889.89	5.00	0.00
AREASOURCE	CAR065	5.00	a			6264962.61	2240860.72	5.00	0.00
						6265027.19	2240860.72	5.00	0.00
						6265029.27	2240826.69	5.00	0.00
						6264959.83	2240827.39	5.00	0.00
AREASOURCE	CAR066	5.00	a			6264966.77	2240737.11	5.00	0.00
						6265057.05	2240746.83	5.00	0.00
						6265059.83	2240720.44	5.00	0.00
						6264965.39	2240721.14	5.00	0.00
AREASOURCE	CAR067	5.00	a			6264702.19	2240866.97	5.00	0.00
						6264906.36	2240863.50	5.00	0.00
						6264906.36	2240829.47	5.00	0.00
						6264701.50	2240835.72	5.00	0.00
AREASOURCE	CAR068	5.00	a			6264701.50	2240804.47	5.00	0.00
						6264909.83	2240803.78	5.00	0.00
						6264909.14	2240771.83	5.00	0.00
						6264700.80	2240778.78	5.00	0.00
AREASOURCE	CAR069	5.00	a			6264703.58	2240748.22	5.00	0.00
						6264906.36	2240748.92	5.00	0.00
						6264905.66	2240722.53	5.00	0.00
						6264702.89	2240726.00	5.00	0.00
AREASOURCE	CAR070	5.00	a			6264720.94	2240695.44	5.00	0.00
						6264902.19	2240697.53	5.00	0.00
						6264902.89	2240662.80	5.00	0.00
						6264723.72	2240662.80	5.00	0.00
AREASOURCE	CAR071	5.00	a			6264711.22	2240630.86	5.00	0.00
						6264902.19	2240630.17	5.00	0.00
						6264904.27	2240597.53	5.00	0.00
						6264711.91	2240599.61	5.00	0.00
AREASOURCE	CAR072	5.00	a			6264707.75	2240571.83	5.00	0.00
						6264904.27	2240569.75	5.00	0.00
						6264902.19	2240535.72	5.00	0.00
						6264709.14	2240537.11	5.00	0.00
AREASOURCE	CAR073	5.00	a			6264960.52	2240694.75	5.00	0.00
						6265034.83	2240688.50	5.00	0.00
						6265037.61	2240660.72	5.00	0.00
						6264964.69	2240662.11	5.00	0.00
AREASOURCE	CAR074	5.00	a			6264968.86	2240798.92	5.00	0.00
						6265033.44	2240798.22	5.00	0.00
						6265034.14	2240771.14	5.00	0.00
						6264966.77	2240771.83	5.00	0.00
AREASOURCE	CAR075	5.00	a			6264979.27	2240628.78	5.00	0.00
						6265071.64	2240628.08	5.00	0.00
						6265067.47	2240610.03	5.00	0.00
						6264979.27	2240614.19	5.00	0.00
AREASOURCE	CAR076	5.00	a			6264386.22	2240519.75	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6264636.91	2240519.05	5.00	0.00
						6264637.61	2240495.44	5.00	0.00
						6264386.91	2240494.75	5.00	0.00
AREASOURCE	CAR077	5.00	a			6263912.96	2240345.45	5.00	0.00
						6263947.52	2240345.87	5.00	0.00
						6263946.69	2240230.09	5.00	0.00
						6263916.71	2240228.43	5.00	0.00
AREASOURCE	CAR078	5.00	a			6263978.76	2240344.20	5.00	0.00
						6264010.83	2240342.53	5.00	0.00
						6264008.74	2240225.93	5.00	0.00
						6263979.59	2240227.59	5.00	0.00
AREASOURCE	CAR079	5.00	a			6264042.89	2240342.95	5.00	0.00
						6264078.29	2240344.62	5.00	0.00
						6264076.21	2240230.92	5.00	0.00
						6264042.89	2240233.01	5.00	0.00
AREASOURCE	CAR080	5.00	a			6264109.53	2240344.20	5.00	0.00
						6264142.01	2240344.62	5.00	0.00
						6264139.51	2240233.84	5.00	0.00
						6264108.28	2240234.26	5.00	0.00
AREASOURCE	CAR081	5.00	a			6264172.83	2240342.95	5.00	0.00
						6264202.40	2240343.78	5.00	0.00
						6264201.56	2240231.34	5.00	0.00
						6264171.99	2240231.34	5.00	0.00
AREASOURCE	CAR082	5.00	a			6264236.13	2240342.12	5.00	0.00
						6264267.78	2240342.12	5.00	0.00
						6264261.53	2240225.51	5.00	0.00
						6264233.21	2240225.09	5.00	0.00
AREASOURCE	CAR083	5.00	a			6264298.60	2240339.62	5.00	0.00
						6264324.83	2240339.20	5.00	0.00
						6264326.08	2240227.59	5.00	0.00
						6264297.76	2240226.76	5.00	0.00
AREASOURCE	CAR084	5.00	a			6264375.64	2240331.71	5.00	0.00
						6264415.20	2240331.71	5.00	0.00
						6264413.96	2240186.36	5.00	0.00
						6264373.98	2240186.36	5.00	0.00
AREASOURCE	CAR085	5.00	a			6264446.86	2240322.55	5.00	0.00
						6264477.67	2240322.96	5.00	0.00
						6264474.76	2240193.44	5.00	0.00
						6264442.27	2240190.53	5.00	0.00
AREASOURCE	CAR086	5.00	a			6264508.07	2240316.30	5.00	0.00
						6264539.31	2240317.55	5.00	0.00
						6264541.39	2240195.53	5.00	0.00
						6264509.74	2240193.03	5.00	0.00
AREASOURCE	CAR087	5.00	a			6264570.54	2240314.22	5.00	0.00
						6264600.53	2240314.22	5.00	0.00
						6264603.44	2240191.78	5.00	0.00
						6264575.12	2240190.95	5.00	0.00
AREASOURCE	CAR088	5.00	a			6264633.84	2240315.05	5.00	0.00
						6264658.41	2240315.05	5.00	0.00
						6264655.08	2240194.69	5.00	0.00
						6264635.09	2240192.61	5.00	0.00
AREASOURCE	CAR089	5.00	a			6264735.46	2240315.05	5.00	0.00
						6264733.38	2240183.03	5.00	0.00
						6264714.64	2240182.20	5.00	0.00
						6264717.14	2240313.80	5.00	0.00
AREASOURCE	CAR090	5.00	a			6264782.10	2240330.46	5.00	0.00
						6264888.71	2240331.71	5.00	0.00
						6264888.30	2240296.72	5.00	0.00
						6264784.18	2240295.89	5.00	0.00
AREASOURCE	CAR091	5.00	a			6264780.85	2240264.24	5.00	0.00
						6264885.38	2240262.58	5.00	0.00
						6264887.47	2240224.26	5.00	0.00
						6264778.35	2240228.01	5.00	0.00
AREASOURCE	CAR092	5.00	a			6264782.94	2240193.86	5.00	0.00
						6264886.63	2240194.28	5.00	0.00
						6264887.47	2240177.20	5.00	0.00
						6264782.10	2240177.20	5.00	0.00
AREASOURCE	CAR093	5.00	a			6264929.11	2240360.86	5.00	0.00
						6264949.10	2240360.86	5.00	0.00
						6264947.85	2240253.83	5.00	0.00
						6264928.69	2240253.83	5.00	0.00
AREASOURCE	CAR094	5.00	a			6265020.31	2240221.76	5.00	0.00
						6265041.55	2240220.51	5.00	0.00
						6265039.89	2240158.46	5.00	0.00
						6265019.07	2240160.13	5.00	0.00
AREASOURCE	CAR095	5.00	a			6264780.02	2240145.55	5.00	0.00
						6264885.80	2240144.72	5.00	0.00

Name	ID	Height			Coordinates			
		Begin		End	x	y	z	Ground
		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)
					6264883.72	2240114.73	5.00	0.00
					6264785.02	2240119.73	5.00	0.00
AREASOURCE	CAR096	5.00	a		6264929.94	2240124.31	5.00	0.00
					6264951.60	2240124.73	5.00	0.00
					6264949.93	2240006.87	5.00	0.00
					6264929.11	2240007.70	5.00	0.00
AREASOURCE	CAR097	5.00	a		6264766.28	2240078.09	5.00	0.00
					6264887.05	2240081.00	5.00	0.00
					6264887.88	2240042.27	5.00	0.00
					6264768.78	2240046.43	5.00	0.00
AREASOURCE	CAR098	5.00	a		6264782.94	2240015.20	5.00	0.00
					6264883.30	2240013.12	5.00	0.00
					6264883.72	2239972.72	5.00	0.00
					6264781.69	2239975.64	5.00	0.00
AREASOURCE	CAR099	5.00	a		6264385.64	2240121.40	5.00	0.00
					6264668.41	2240115.98	5.00	0.00
					6264668.41	2240098.91	5.00	0.00
					6264386.47	2240100.57	5.00	0.00
AREASOURCE	CAR100	5.00	a		6264386.05	2240071.01	5.00	0.00
					6264688.40	2240069.34	5.00	0.00
					6264691.73	2240055.18	5.00	0.00
					6264711.30	2240050.18	5.00	0.00
					6264710.06	2240036.44	5.00	0.00
					6264385.22	2240042.69	5.00	0.00
AREASOURCE	CAR101	5.00	a		6264385.64	2240010.62	5.00	0.00
					6264718.38	2240011.04	5.00	0.00
					6264717.14	2239972.72	5.00	0.00
					6264385.22	2239972.72	5.00	0.00
AREASOURCE	CAR102	5.00	a		6263899.22	2240387.93	5.00	0.00
					6264651.75	2240386.26	5.00	0.00
					6264650.09	2240363.77	5.00	0.00
					6263894.63	2240370.85	5.00	0.00
AREASOURCE	CAR103	5.00	a		6264384.80	2239942.74	5.00	0.00
					6264716.72	2239941.90	5.00	0.00
					6264714.22	2239911.09	5.00	0.00
					6264386.47	2239915.67	5.00	0.00
AREASOURCE	CAR104	5.00	a		6264784.18	2239941.90	5.00	0.00
					6264969.92	2239941.90	5.00	0.00
					6264970.34	2239911.50	5.00	0.00
					6264782.52	2239913.59	5.00	0.00
AREASOURCE	CAR105	5.00	a		6264783.77	2239879.85	5.00	0.00
					6265010.74	2239875.27	5.00	0.00
					6265011.99	2239854.45	5.00	0.00
					6264782.94	2239857.78	5.00	0.00
AREASOURCE	CAR106	5.00	a		6265015.32	2239976.47	5.00	0.00
					6265034.89	2239973.56	5.00	0.00
					6265029.89	2239879.85	5.00	0.00
					6265010.32	2239882.35	5.00	0.00
AREASOURCE	CAR107	5.00	a		6264425.62	2239881.52	5.00	0.00
					6264715.47	2239879.44	5.00	0.00
					6264715.47	2239843.20	5.00	0.00
					6264424.37	2239851.12	5.00	0.00
AREASOURCE	CAR108	5.00	a		6264385.64	2239811.55	5.00	0.00
					6264714.64	2239811.14	5.00	0.00
					6264712.14	2239776.57	5.00	0.00
					6264384.39	2239779.90	5.00	0.00
AREASOURCE	CAR109	5.00	a		6264383.97	2239749.09	5.00	0.00
					6264712.14	2239742.84	5.00	0.00
					6264713.39	2239713.27	5.00	0.00
					6264383.14	2239716.60	5.00	0.00
AREASOURCE	CAR110	5.00	a		6264384.39	2239685.78	5.00	0.00
					6264709.22	2239683.70	5.00	0.00
					6264713.39	2239650.39	5.00	0.00
					6264384.80	2239656.22	5.00	0.00
AREASOURCE	CAR111	5.00	a		6264383.55	2239620.82	5.00	0.00
					6264710.47	2239621.23	5.00	0.00
					6264712.55	2239582.92	5.00	0.00
					6264382.30	2239589.17	5.00	0.00
AREASOURCE	DRY001	8.00	a		6261585.67	2243876.02	8.00	0.00
					6261832.75	2243868.74	8.00	0.00
					6262534.41	2243852.30	8.00	0.00
					6262500.40	2241930.52	8.00	0.00
					6262475.24	2241902.85	8.00	0.00
					6261818.62	2241928.00	8.00	0.00
					6261715.47	2241930.52	8.00	0.00
					6261637.48	2241917.94	8.00	0.00
					6261478.99	2241880.20	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6261381.57	2241858.91	8.00	0.00
						6261325.43	2242078.46	8.00	0.00
						6261301.04	2242198.65	8.00	0.00
						6261277.87	2242501.71	8.00	0.00
						6261278.62	2242848.75	8.00	0.00
						6261282.15	2243218.16	8.00	0.00
						6261288.35	2243360.14	8.00	0.00
						6261300.32	2243424.19	8.00	0.00
						6261333.50	2243522.68	8.00	0.00
						6261394.68	2243634.42	8.00	0.00
						6261502.67	2243772.73	8.00	0.00
AREASOURCE	DRY002	8.00	a			6262520.88	2243149.96	8.00	0.00
						6262532.63	2243849.89	8.00	0.00
						6262523.16	2243149.90	8.00	0.00
AREASOURCE	DRY003	8.00	a			6262606.60	2243846.62	8.00	0.00
						6262611.91	2244414.34	8.00	0.00
						6262651.20	2244446.42	8.00	0.00
						6263823.69	2244411.63	8.00	0.00
						6263847.16	2244393.40	8.00	0.00
						6263824.63	2241882.86	8.00	0.00
						6262601.03	2241905.36	8.00	0.00
						6262580.91	2241925.49	8.00	0.00
AREASOURCE	DRY004	8.00	a			6263998.39	2239719.51	8.00	0.00
						6264093.87	2239717.34	8.00	0.00
						6264093.87	2239736.87	8.00	0.00
						6264254.46	2239736.87	8.00	0.00
						6264280.50	2239710.83	8.00	0.00
						6264292.35	2239677.04	8.00	0.00
						6264234.88	2239619.57	8.00	0.00
						6264000.56	2239624.03	8.00	0.00
AREASOURCE	DRY005	8.00	a			6262873.73	2238851.19	8.00	0.00
						6263492.96	2238853.78	8.00	0.00
						6263492.96	2238808.93	8.00	0.00
						6262872.87	2238805.48	8.00	0.00
AREASOURCE	DRY006	8.00	a			6262853.90	2238996.08	8.00	0.00
						6263530.91	2238988.32	8.00	0.00
						6263530.91	2238931.39	8.00	0.00
						6262855.62	2238935.71	8.00	0.00
AREASOURCE	DRY007	8.00	a			6262889.26	2239708.45	8.00	0.00
						6263511.93	2239710.17	8.00	0.00
						6263511.07	2239655.84	8.00	0.00
						6262888.39	2239654.98	8.00	0.00
AREASOURCE	DRY008	8.00	a			6262864.25	2239573.04	8.00	0.00
						6263542.12	2239575.63	8.00	0.00
						6263543.84	2239562.70	8.00	0.00
						6263541.25	2239502.32	8.00	0.00
						6262861.66	2239512.67	8.00	0.00
AREASOURCE	DRY009	8.00	a			6263678.28	2240940.15	8.00	0.00
						6263713.00	2240940.15	8.00	0.00
						6263693.47	2239779.13	8.00	0.00
						6263660.92	2239779.13	8.00	0.00
AREASOURCE	DRY010	8.00	a			6263591.82	2240540.60	8.00	0.00
						6263629.31	2240538.82	8.00	0.00
						6263617.70	2239783.63	8.00	0.00
						6263579.32	2239783.63	8.00	0.00
AREASOURCE	DRY011	8.00	a			6263494.52	2240541.50	8.00	0.00
						6263565.04	2240539.71	8.00	0.00
						6263548.97	2239787.20	8.00	0.00
						6263479.34	2239785.42	8.00	0.00
AREASOURCE	DRY012	8.00	a			6263393.65	2240540.60	8.00	0.00
						6263459.70	2240539.71	8.00	0.00
						6263448.10	2239785.42	8.00	0.00
						6263381.15	2239785.42	8.00	0.00
AREASOURCE	DRY013	8.00	a			6262914.29	2240155.87	8.00	0.00
						6263045.51	2240154.08	8.00	0.00
						6263039.26	2239771.13	8.00	0.00
						6262908.93	2239773.81	8.00	0.00
AREASOURCE	DRY014	8.00	a			6262919.65	2240580.77	8.00	0.00
						6263052.65	2240578.99	8.00	0.00
						6263045.51	2240196.04	8.00	0.00
						6262916.97	2240196.93	8.00	0.00
AREASOURCE	DRY015	8.00	a			6262709.87	2240159.44	8.00	0.00
						6262843.77	2240157.65	8.00	0.00
						6262836.63	2239776.49	8.00	0.00
						6262709.87	2239778.27	8.00	0.00
AREASOURCE	DRY016	8.00	a			6262717.90	2240582.56	8.00	0.00
						6262850.91	2240579.88	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262844.66	2240200.50	8.00	0.00
						6262708.98	2240204.07	8.00	0.00
AREASOURCE	DRY017	8.00	a			6262587.58	2240628.08	8.00	0.00
						6262654.53	2240629.87	8.00	0.00
						6262640.24	2239749.71	8.00	0.00
						6262575.97	2239750.60	8.00	0.00
AREASOURCE	DRY018	8.00	a			6263253.69	2240559.29	8.00	0.00
						6263318.66	2240559.29	8.00	0.00
						6263308.24	2239780.54	8.00	0.00
						6263247.96	2239779.23	8.00	0.00
AREASOURCE	DRY019	8.00	a			6263186.55	2241034.11	8.00	0.00
						6263163.83	2239781.14	8.00	0.00
						6263103.38	2239784.01	8.00	0.00
						6263120.65	2241033.26	8.00	0.00
AREASOURCE	DRY020	8.00	a			6262935.34	2241332.68	8.00	0.00
						6263065.05	2241331.71	8.00	0.00
						6263058.23	2240816.75	8.00	0.00
						6262928.51	2240814.80	8.00	0.00
AREASOURCE	DRY021	8.00	a			6262942.16	2241773.52	8.00	0.00
						6263004.58	2241772.55	8.00	0.00
						6262997.76	2241389.25	8.00	0.00
						6262937.29	2241391.20	8.00	0.00
AREASOURCE	DRY022	8.00	a			6262733.45	2241331.71	8.00	0.00
						6262868.04	2241331.71	8.00	0.00
						6262856.34	2240812.84	8.00	0.00
						6262726.62	2240810.89	8.00	0.00
AREASOURCE	DRY023	8.00	a			6262741.25	2241724.76	8.00	0.00
						6262874.87	2241724.76	8.00	0.00
						6262868.04	2241378.52	8.00	0.00
						6262735.40	2241380.47	8.00	0.00
AREASOURCE	DRY024	8.00	a			6262611.53	2241770.60	8.00	0.00
						6262672.98	2241769.62	8.00	0.00
						6262655.42	2240774.81	8.00	0.00
						6262593.00	2240776.76	8.00	0.00
AREASOURCE	DRY025	8.00	a			6263041.14	2238787.01	8.00	0.00
						6263726.17	2238785.81	8.00	0.00
						6263726.17	2238730.82	8.00	0.00
						6263038.75	2238732.02	8.00	0.00
AREASOURCE	DRY026	8.00	a			6263124.51	2238591.66	8.00	0.00
						6263128.41	2238659.09	8.00	0.00
						6263636.51	2238656.70	8.00	0.00
						6263632.42	2238585.58	8.00	0.00
AREASOURCE	DRY027	8.00	a			6262400.95	2240612.62	8.00	0.00
						6262468.52	2240611.57	8.00	0.00
						6262464.30	2240547.16	8.00	0.00
						6262399.89	2240548.21	8.00	0.00
AREASOURCE	DRY028	8.00	a			6262308.03	2239648.60	8.00	0.00
						6262376.81	2239682.09	8.00	0.00
						6262406.23	2239630.65	8.00	0.00
						6262333.37	2239592.64	8.00	0.00
AREASOURCE	DRY029	8.00	a			6262270.02	2240123.75	8.00	0.00
						6262242.56	2240181.82	8.00	0.00
						6262380.88	2240248.34	8.00	0.00
						6262410.45	2240190.27	8.00	0.00
						6262367.16	2240164.93	8.00	0.00
AREASOURCE	DRY030	8.00	a			6262232.01	2240318.03	8.00	0.00
						6262403.45	2240398.77	8.00	0.00
						6262431.57	2240342.32	8.00	0.00
						6262266.85	2240261.01	8.00	0.00
AREASOURCE	DRY031	8.00	a			6261629.71	2241292.57	8.00	0.00
						6261676.73	2241310.07	8.00	0.00
						6261747.80	2241128.57	8.00	0.00
						6261730.30	2241120.92	8.00	0.00
						6261749.98	2241066.25	8.00	0.00
						6261711.72	2241053.13	8.00	0.00
AREASOURCE	DRY032	8.00	a			6262469.41	2241571.38	8.00	0.00
						6262462.85	2240912.09	8.00	0.00
						6262403.81	2240913.18	8.00	0.00
						6262411.46	2241572.47	8.00	0.00
AREASOURCE	DRY033	8.00	a			6262284.63	2241594.34	8.00	0.00
						6262348.05	2241593.25	8.00	0.00
						6262339.30	2240979.88	8.00	0.00
						6262325.09	2240976.60	8.00	0.00
						6262279.16	2240976.60	8.00	0.00
AREASOURCE	DRY034	8.00	a			6261869.16	2241601.99	8.00	0.00
						6261858.43	2240983.06	8.00	0.00
						6261794.81	2240984.25	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6261802.46	2241604.18	8.00	0.00
				6261818.86	2241601.99	8.00	0.00

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00019	x	0		45.00	a	6261818.86	2241709.14	45.00	0.00
									6262337.11	2241701.49	45.00	0.00
									6262334.93	2241593.25	45.00	0.00
									6262284.63	2241594.34	45.00	0.00
									6262279.16	2240976.60	45.00	0.00
									6262325.09	2240976.60	45.00	0.00
									6262326.18	2240836.65	45.00	0.00
									6261856.04	2240845.39	45.00	0.00
									6261869.16	2241601.99	45.00	0.00
									6261818.86	2241601.99	45.00	0.00
BUILDING			BUILDING00020	x	0		45.00	a	6262036.67	2240498.59	45.00	0.00
									6262302.75	2240630.57	45.00	0.00
									6262413.62	2240403.56	45.00	0.00
									6262232.01	2240318.03	45.00	0.00
									6262258.40	2240274.74	45.00	0.00
									6262069.40	2240181.82	45.00	0.00
									6261953.25	2240415.17	45.00	0.00
									6262051.45	2240466.91	45.00	0.00
BUILDING			BUILDING00021	x	0		45.00	a	6262092.63	2240087.85	45.00	0.00
									6262248.90	2240168.10	45.00	0.00
									6262270.02	2240123.75	45.00	0.00
									6262367.16	2240164.93	45.00	0.00
									6262406.23	2240086.79	45.00	0.00
									6262404.11	2239991.76	45.00	0.00
									6262188.71	2239886.18	45.00	0.00
BUILDING			BUILDING00022	x	0		45.00	a	6262234.12	2239796.43	45.00	0.00
									6262373.49	2239867.17	45.00	0.00
									6262399.89	2239818.60	45.00	0.00
									6262396.72	2239755.25	45.00	0.00
									6262359.77	2239736.24	45.00	0.00
									6262388.28	2239687.67	45.00	0.00
									6262308.03	2239648.60	45.00	0.00
BUILDING			BUILDING00023	x	0		45.00	a	6263015.11	2238643.76	45.00	0.00
									6263125.38	2238642.02	45.00	0.00
									6263124.51	2238591.66	45.00	0.00
									6263632.42	2238585.58	45.00	0.00
									6263633.29	2238632.47	45.00	0.00
									6263742.69	2238632.47	45.00	0.00
									6263734.01	2238172.31	45.00	0.00
									6263094.99	2238182.73	45.00	0.00
									6263010.77	2238307.75	45.00	0.00
BUILDING			BUILDING00024	x	0		45.00	a	6263188.69	2241151.98	45.00	0.00
									6263603.57	2241151.98	45.00	0.00
									6263599.75	2240559.29	45.00	0.00
									6263253.69	2240559.29	45.00	0.00
									6263247.96	2239779.23	45.00	0.00
									6263163.83	2239781.14	45.00	0.00
BUILDING			BUILDING00025	x	0		30.00	a	6262746.09	2239577.36	30.00	0.00
									6262864.25	2239573.04	30.00	0.00
									6262861.66	2239512.67	30.00	0.00
									6263541.25	2239502.32	30.00	0.00
									6263543.84	2239562.70	30.00	0.00
									6263648.20	2239558.38	30.00	0.00
									6263643.02	2238925.36	30.00	0.00
									6263530.91	2238931.39	30.00	0.00
									6263530.91	2238988.32	30.00	0.00
									6262853.90	2238996.08	30.00	0.00
									6262855.62	2238935.71	30.00	0.00
									6262735.74	2238936.57	30.00	0.00
									6262736.61	2238996.94	30.00	0.00
									6262727.12	2238996.94	30.00	0.00
BUILDING			BUILDING00026	x	0		30.00	a	6264398.46	2241634.77	30.00	0.00
									6264436.03	2241635.91	30.00	0.00
									6264447.42	2241621.11	30.00	0.00
									6264602.28	2241616.55	30.00	0.00
									6264595.45	2241393.37	30.00	0.00
									6264611.39	2241391.10	30.00	0.00
									6264605.69	2241036.97	30.00	0.00
									6264622.77	2241038.11	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264620.50	2240794.44	30.00	0.00
									6264640.99	2240794.44	30.00	0.00
									6264637.58	2240579.23	30.00	0.00
									6264391.63	2240579.23	30.00	0.00
									6264392.76	2240617.94	30.00	0.00
									6264422.37	2240617.94	30.00	0.00
									6264421.23	2240800.13	30.00	0.00
									6264400.74	2240798.99	30.00	0.00
									6264399.60	2241040.39	30.00	0.00
									6264425.79	2241039.25	30.00	0.00
									6264424.65	2241131.48	30.00	0.00
									6264397.32	2241132.62	30.00	0.00
									6264393.90	2241153.12	30.00	0.00
									6264473.61	2241155.39	30.00	0.00
									6264472.47	2241271.54	30.00	0.00
									6264425.79	2241272.68	30.00	0.00
									6264425.79	2241294.31	30.00	0.00
									6264405.29	2241295.45	30.00	0.00
									6264404.15	2241315.94	30.00	0.00
									6264433.76	2241315.94	30.00	0.00
									6264433.76	2241396.79	30.00	0.00
									6264454.25	2241388.82	30.00	0.00
									6264454.25	2241409.32	30.00	0.00
									6264477.03	2241425.26	30.00	0.00
									6264473.61	2241561.90	30.00	0.00
									6264398.46	2241565.31	30.00	0.00
BUILDING			BUILDING00027	x	0		30.00	a	6264785.60	2241714.48	30.00	0.00
									6264852.78	2241713.34	30.00	0.00
									6264850.51	2241643.88	30.00	0.00
									6264784.46	2241641.60	30.00	0.00
BUILDING			BUILDING00028	x	0		30.00	a	6264881.25	2241715.62	30.00	0.00
									6265024.72	2241714.48	30.00	0.00
									6265023.58	2241687.15	30.00	0.00
									6264999.67	2241655.27	30.00	0.00
									6264917.69	2241655.27	30.00	0.00
									6264897.19	2241642.74	30.00	0.00
									6264880.11	2241641.60	30.00	0.00
BUILDING			BUILDING00029	x	0		30.00	a	6265019.03	2241619.97	30.00	0.00
									6265081.66	2241622.25	30.00	0.00
									6265077.10	2241532.29	30.00	0.00
									6265006.50	2241531.15	30.00	0.00
									6265006.50	2241561.90	30.00	0.00
									6265022.45	2241560.76	30.00	0.00
BUILDING			BUILDING00030	x	0		30.00	a	6264767.38	2241609.72	30.00	0.00
									6264822.04	2241608.58	30.00	0.00
									6264820.90	2241544.82	30.00	0.00
									6264766.25	2241547.09	30.00	0.00
BUILDING			BUILDING00031	x	0		30.00	a	6264844.81	2241612.00	30.00	0.00
									6264875.56	2241608.58	30.00	0.00
									6264885.81	2241592.64	30.00	0.00
									6264894.92	2241588.09	30.00	0.00
									6264915.41	2241586.95	30.00	0.00
									6264915.41	2241544.82	30.00	0.00
									6264845.95	2241544.82	30.00	0.00
BUILDING			BUILDING00032	x	0		30.00	a	6264983.73	2241260.15	30.00	0.00
									6265056.61	2241260.15	30.00	0.00
									6265061.16	2241235.10	30.00	0.00
									6264983.73	2241235.10	30.00	0.00
BUILDING			BUILDING00033	x	0		30.00	a	6264981.45	2241128.07	30.00	0.00
									6265058.88	2241125.79	30.00	0.00
									6265058.88	2241006.23	30.00	0.00
									6264996.26	2241003.95	30.00	0.00
									6264996.26	2241103.01	30.00	0.00
									6264981.45	2241105.29	30.00	0.00
BUILDING			BUILDING00034	x	0		30.00	a	6264986.01	2240603.14	30.00	0.00
									6265066.85	2240599.73	30.00	0.00
									6265067.99	2240523.43	30.00	0.00
									6264984.87	2240524.57	30.00	0.00
									6264982.59	2240532.54	30.00	0.00
									6264972.34	2240530.27	30.00	0.00
									6264973.48	2240582.65	30.00	0.00
									6264987.15	2240579.23	30.00	0.00
BUILDING			BUILDING00035	x	0		30.00	a	6263946.30	2240147.03	30.00	0.00
									6264030.94	2240144.86	30.00	0.00
									6264030.94	2240183.92	30.00	0.00
									6264185.02	2240179.58	30.00	0.00
									6264189.36	2240138.35	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264254.46	2240140.52	30.00	0.00
									6264289.19	2240112.31	30.00	0.00
									6264280.50	2239875.76	30.00	0.00
									6264323.91	2239871.42	30.00	0.00
									6264326.08	2239706.49	30.00	0.00
									6264280.50	2239710.83	30.00	0.00
									6264254.46	2239736.87	30.00	0.00
									6264093.87	2239736.87	30.00	0.00
									6264093.87	2239717.34	30.00	0.00
									6263998.39	2239719.51	30.00	0.00
									6264000.56	2239624.03	30.00	0.00
									6263944.13	2239626.20	30.00	0.00
BUILDING			BUILDING00036	x	0		30.00	a	6264970.61	2240352.32	30.00	0.00
									6265026.60	2240349.72	30.00	0.00
									6265022.69	2240255.97	30.00	0.00
									6264969.31	2240259.88	30.00	0.00
BUILDING			BUILDING00037	x	0		30.00	a	6264966.70	2240115.35	30.00	0.00
									6265022.69	2240115.35	30.00	0.00
									6265018.79	2240025.50	30.00	0.00
									6264961.49	2240024.20	30.00	0.00
BUILDING			BUILDING00038	x	0		30.00	a	6264975.83	2239763.78	30.00	0.00
									6265024.21	2239759.38	30.00	0.00
									6265027.50	2239551.58	30.00	0.00
									6264973.63	2239554.88	30.00	0.00

APPENDIX 9.4:

PHASE 2, WITH OVERLAY - OPERATIONAL NOISE CALCULATIONS (LEQ)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_P2 Overlay CNEL.cna
Date: 20.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	47.0	46.1	52.7	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	44.9	44.3	51.0	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	50.5	50.1	56.8	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	45.5	45.1	51.8	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	45.2	44.8	51.5	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	46.9	46.8	53.4	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	49.3	49.2	55.9	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	44.4	44.3	50.9	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	56.9	56.9	63.6	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC001	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264905.42	2241692.52	35.00
POINTSOURCE		AC002	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265010.64	2241700.48	35.00
POINTSOURCE		AC003	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264840.43	2241652.73	35.00
POINTSOURCE		AC004	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264800.19	2241697.39	35.00
POINTSOURCE		AC005	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264238.09	2239948.49	35.00
POINTSOURCE		AC006	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263998.41	2239941.89	35.00
POINTSOURCE		AC007	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263995.11	2239780.27	35.00
POINTSOURCE		AC008	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264240.29	2239790.16	35.00
POINTSOURCE		AC009	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264239.19	2240096.91	35.00
POINTSOURCE		AC010	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263995.11	2240098.01	35.00
POINTSOURCE		AC011	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265005.74	2240043.36	35.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC012	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264975.30	2240103.77	35.00
POINTSOURCE		AC013	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265009.95	2240275.15	35.00
POINTSOURCE		AC014	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264982.79	2240338.84	35.00
POINTSOURCE		AC015	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265005.66	2240539.89	35.00
POINTSOURCE		AC016	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265045.25	2240582.25	35.00
POINTSOURCE		AC017	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264445.25	2240602.39	35.00
POINTSOURCE		AC018	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264615.39	2240764.19	35.00
POINTSOURCE		AC019	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264430.66	2240829.47	35.00
POINTSOURCE		AC020	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264596.64	2241010.03	35.00
POINTSOURCE		AC021	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264443.86	2241057.94	35.00
POINTSOURCE		AC022	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264589.00	2241141.28	35.00
POINTSOURCE		AC023	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264496.64	2241178.78	35.00
POINTSOURCE		AC024	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264590.39	2241247.53	35.00
POINTSOURCE		AC025	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264475.11	2241304.47	35.00
POINTSOURCE		AC026	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264585.52	2241368.36	35.00
POINTSOURCE		AC027	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264498.02	2241419.05	35.00
POINTSOURCE		AC028	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264574.41	2241464.89	35.00
POINTSOURCE		AC029	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264572.33	2241513.50	35.00
POINTSOURCE		AC030	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264571.64	2241589.19	35.00
POINTSOURCE		AC031	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264507.75	2241591.28	35.00
POINTSOURCE		AC032	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264451.50	2241581.55	35.00
POINTSOURCE		AC033	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264418.16	2241619.75	35.00
POINTSOURCE		AC034	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265016.77	2241022.53	35.00
POINTSOURCE		AC035	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265044.55	2241106.55	35.00
POINTSOURCE		AC036	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265004.27	2241248.92	35.00
POINTSOURCE		AC037	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264786.22	2241560.03	35.00
POINTSOURCE		AC038	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264807.05	2241596.14	35.00
POINTSOURCE		AC039	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264860.52	2241589.19	35.00
POINTSOURCE		AC040	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264899.41	2241555.17	35.00
POINTSOURCE		AC041	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265036.91	2241546.14	35.00
POINTSOURCE		AC042	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265061.22	2241602.39	35.00
POINTSOURCE		AC043	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263560.23	2239034.89	35.00
POINTSOURCE		AC044	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263621.46	2238967.62	35.00
POINTSOURCE		AC045	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263574.03	2239474.73	35.00
POINTSOURCE		AC046	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263634.40	2239542.86	35.00
POINTSOURCE		AC047	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262813.36	2239025.40	35.00
POINTSOURCE		AC048	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262768.52	2238965.89	35.00
POINTSOURCE		AC049	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262833.20	2239494.56	35.00
POINTSOURCE		AC050	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262780.59	2239545.45	35.00
POINTSOURCE		AC051	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263236.00	2240627.65	50.00
POINTSOURCE		AC052	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263402.67	2240619.84	50.00
POINTSOURCE		AC053	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263540.69	2240617.24	50.00
POINTSOURCE		AC054	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263397.46	2241083.38	50.00
POINTSOURCE		AC055	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263545.90	2241085.99	50.00
POINTSOURCE		AC056	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263249.02	2241093.80	50.00
POINTSOURCE		AC057	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263658.03	2238259.79	50.00
POINTSOURCE		AC058	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263714.21	2238205.99	50.00
POINTSOURCE		AC059	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263092.54	2238257.39	50.00
POINTSOURCE		AC060	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263147.54	2238205.99	50.00
POINTSOURCE		AC061	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262336.83	2239819.15	50.00
POINTSOURCE		AC062	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262364.61	2239835.64	50.00
POINTSOURCE		AC063	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262238.74	2239934.60	50.00
POINTSOURCE		AC064	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262198.81	2239914.63	50.00
POINTSOURCE		AC065	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262036.48	2240431.13	50.00
POINTSOURCE		AC066	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261987.00	2240409.42	50.00
POINTSOURCE		AC067	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262249.64	2240949.26	50.00
POINTSOURCE		AC068	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262303.22	2240895.69	50.00
POINTSOURCE		AC069	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262259.48	2241619.49	50.00
POINTSOURCE		AC070	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262311.96	2241676.34	50.00
POINTSOURCE		AC071	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261894.31	2241628.23	50.00
POINTSOURCE		AC072	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261846.20	2241680.71	50.00
POINTSOURCE		DT01	83.2	83.2	83.2	Lw	83.2		900.00	0.00	270.00	3.00	a	6265083.50	2241059.12	3.00
POINTSOURCE		DT02	83.2	83.2	83.2	Lw	83.2		900.00	0.00	270.00	3.00	a	6265022.01	2241213.96	3.00
POINTSOURCE		GAS01	79.9	79.9	79.9	Lw	79.9					5.00	a	6264923.06	2239575.77	5.00
POINTSOURCE		GAS02	79.9	79.9	79.9	Lw	79.9					5.00	a	6264838.40	2239574.67	5.00
POINTSOURCE		GAS03	79.9	79.9	79.9	Lw	79.9					5.00	a	6264923.06	2239615.35	5.00
POINTSOURCE		GAS04	79.9	79.9	79.9	Lw	79.9					5.00	a	6264839.50	2239614.25	5.00
POINTSOURCE		GAS05	79.9	79.9	79.9	Lw	79.9					5.00	a	6264925.25	2239651.63	5.00
POINTSOURCE		GAS06	79.9	79.9	79.9	Lw	79.9					5.00	a	6264840.60	2239650.53	5.00
POINTSOURCE		GAS07	79.9	79.9	79.9	Lw	79.9					5.00	a	6264925.25	2239695.61	5.00
POINTSOURCE		GAS08	79.9	79.9	79.9	Lw	79.9					5.00	a	6264839.50	2239694.51	5.00
POINTSOURCE		GAS09	79.9	79.9	79.9	Lw	79.9					5.00	a	6264927.45	2239731.89	5.00
POINTSOURCE		GAS10	79.9	79.9	79.9	Lw	79.9					5.00	a	6264840.60	2239735.19	5.00
POINTSOURCE		TRASH01	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262454.10	2241589.97	5.00
POINTSOURCE		TRASH02	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262445.35	2240895.69	5.00
POINTSOURCE		TRASH03	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6261841.82	2240960.20	5.00
POINTSOURCE		TRASH04	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262200.33	2240231.45	5.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		TRASH05	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262226.73	2240169.15	5.00
POINTSOURCE		TRASH06	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262342.87	2239573.63	5.00
POINTSOURCE		TRASH07	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262385.03	2239732.73	5.00
POINTSOURCE		TRASH08	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263105.70	2238656.70	5.00
POINTSOURCE		TRASH09	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263652.05	2238657.89	5.00
POINTSOURCE		TRASH10	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262867.69	2239694.65	5.00
POINTSOURCE		TRASH11	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263530.04	2239695.51	5.00
POINTSOURCE		TRASH12	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262850.45	2238816.69	5.00
POINTSOURCE		TRASH13	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263514.52	2238816.69	5.00
POINTSOURCE		TRASH14	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264390.39	2240655.17	5.00
POINTSOURCE		TRASH15	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264342.47	2241025.30	5.00
POINTSOURCE		TRASH16	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264352.89	2241540.58	5.00
POINTSOURCE		TRASH17	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264353.58	2241254.47	5.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)	
LINESOURCE		TRUCK01	89.7	89.7	89.7	62.9	62.9	62.9	Lw	89.7									8	a
LINESOURCE		TRUCK02	89.7	89.7	89.7	67.4	67.4	67.4	Lw	89.7									8	a
LINESOURCE		TRUCK03	89.7	89.7	89.7	68.0	68.0	68.0	Lw	89.7									8	a
LINESOURCE		TRUCK04	89.7	89.7	89.7	74.1	74.1	74.1	Lw	89.7									8	a
LINESOURCE		TRUCK05	89.7	89.7	89.7	66.7	66.7	66.7	Lw	89.7									8	a
LINESOURCE		TRUCK06	89.7	89.7	89.7	75.2	75.2	75.2	Lw	89.7									8	a
LINESOURCE		TRUCK07	89.7	89.7	89.7	65.1	65.1	65.1	Lw	89.7									8	a
LINESOURCE		TRUCK08	89.7	89.7	89.7	63.0	63.0	63.0	Lw	89.7									8	a
LINESOURCE		TRUCK09	89.7	89.7	89.7	63.0	63.0	63.0	Lw	89.7									8	a
LINESOURCE		TRUCK10	89.7	89.7	89.7	64.7	64.7	64.7	Lw	89.7									8	a
LINESOURCE		TRUCK11	89.7	89.7	89.7	61.0	61.0	61.0	Lw	89.7									8	a
LINESOURCE		TRUCK12	89.7	89.7	89.7	61.9	61.9	61.9	Lw	89.7									8	a
LINESOURCE		TRUCK13	89.7	89.7	89.7	63.7	63.7	63.7	Lw	89.7									8	a
LINESOURCE		TRUCK14	89.7	89.7	89.7	62.9	62.9	62.9	Lw	89.7									8	a
LINESOURCE		TRUCK15	89.7	89.7	89.7	65.0	65.0	65.0	Lw	89.7									8	a
LINESOURCE		TRUCK16	89.7	89.7	89.7	61.9	61.9	61.9	Lw	89.7									8	a
LINESOURCE		TRUCK17	89.7	89.7	89.7	61.3	61.3	61.3	Lw	89.7									8	a
LINESOURCE		TRUCK18	89.7	89.7	89.7	65.6	65.6	65.6	Lw	89.7									8	a
LINESOURCE		TRUCK19	89.7	89.7	89.7	68.8	68.8	68.8	Lw	89.7									8	a
LINESOURCE		TRUCK20	89.7	89.7	89.7	66.0	66.0	66.0	Lw	89.7									8	a
LINESOURCE		TRUCK21	89.7	89.7	89.7	63.9	63.9	63.9	Lw	89.7									8	a
LINESOURCE		TRUCK22	89.7	89.7	89.7	66.0	66.0	66.0	Lw	89.7									8	a
LINESOURCE		TRUCK23	89.7	89.7	89.7	65.9	65.9	65.9	Lw	89.7									8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK01	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261771.48	2240997.61	8.00	0.00
						6261776.46	2240964.20	8.00	0.00
						6261783.50	2240931.17	8.00	0.00
						6261792.58	2240898.63	8.00	0.00
						6261803.65	2240866.72	8.00	0.00
						6261816.68	2240835.55	8.00	0.00
						6261818.62	2240828.59	8.00	0.00
						6261821.68	2240822.05	8.00	0.00
						6261825.76	2240816.08	8.00	0.00
						6261830.77	2240810.86	8.00	0.00
						6261836.55	2240806.53	8.00	0.00
						6261842.96	2240803.20	8.00	0.00
						6261849.84	2240800.96	8.00	0.00
						6261856.98	2240799.87	8.00	0.00
						6261864.21	2240799.96	8.00	0.00
						6261871.32	2240801.23	8.00	0.00
						6261878.14	2240803.64	8.00	0.00
						6261884.46	2240807.13	8.00	0.00
						6261904.69	2240810.69	8.00	0.00
						6261925.20	2240811.79	8.00	0.00
						6261945.69	2240810.41	8.00	0.00
						6262339.30	2240804.94	8.00	0.00
						6262349.90	2240810.37	8.00	0.00
						6262359.50	2240817.42	8.00	0.00
						6262367.86	2240825.90	8.00	0.00
						6262374.76	2240835.60	8.00	0.00
						6262380.04	2240846.28	8.00	0.00
						6262383.56	2240857.66	8.00	0.00
						6262385.22	2240869.45	8.00	0.00
						6262396.50	2241595.48	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK02	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261764.20	2241591.06	8.00	0.00
LINESOURCE	TRUCK03	8.00	a			6261573.68	2241317.56	8.00	0.00
						6261586.66	2241320.74	8.00	0.00
						6261599.05	2241325.77	8.00	0.00
						6261610.57	2241332.56	8.00	0.00
						6261620.98	2241340.95	8.00	0.00
						6261630.06	2241350.77	8.00	0.00
						6261637.61	2241361.80	8.00	0.00
						6261642.51	2241373.96	8.00	0.00
						6261645.65	2241386.68	8.00	0.00
						6261646.99	2241399.72	8.00	0.00
						6261646.48	2241412.82	8.00	0.00
						6261644.15	2241425.72	8.00	0.00
						6261640.03	2241438.16	8.00	0.00
						6261593.37	2241570.27	8.00	0.00
						6261591.12	2241583.75	8.00	0.00
						6261591.04	2241597.41	8.00	0.00
						6261593.16	2241610.90	8.00	0.00
						6261597.41	2241623.89	8.00	0.00
						6261603.67	2241636.03	8.00	0.00
						6261611.84	2241646.50	8.00	0.00
						6261621.62	2241655.50	8.00	0.00
						6261632.73	2241662.78	8.00	0.00
						6261644.88	2241668.15	8.00	0.00
						6261656.69	2241670.20	8.00	0.00
						6261668.67	2241670.39	8.00	0.00
						6261680.53	2241668.72	8.00	0.00
						6261691.99	2241665.21	8.00	0.00
						6261702.76	2241659.96	8.00	0.00
LINESOURCE	TRUCK04	8.00	a			6261702.76	2241659.96	8.00	0.00
						6261719.25	2241642.50	8.00	0.00
						6261733.81	2241623.40	8.00	0.00
						6261746.28	2241602.87	8.00	0.00
						6261756.54	2241581.15	8.00	0.00
						6261764.45	2241558.47	8.00	0.00
LINESOURCE	TRUCK05	8.00	a			6262438.39	2240524.88	8.00	0.00
						6262442.73	2240311.33	8.00	0.00
						6262051.24	2240112.55	8.00	0.00
LINESOURCE	TRUCK06	8.00	a			6262325.89	2239523.77	8.00	0.00
						6262406.28	2239569.15	8.00	0.00
LINESOURCE	TRUCK07	8.00	a			6263714.21	2238693.76	8.00	0.00
						6263042.33	2238699.74	8.00	0.00
						6263013.77	2238701.93	8.00	0.00
						6262985.13	2238701.72	8.00	0.00
						6262956.61	2238699.09	8.00	0.00
						6262928.40	2238694.08	8.00	0.00
						6262900.72	2238686.70	8.00	0.00
						6262873.77	2238677.02	8.00	0.00
						6262784.91	2238619.90	8.00	0.00
LINESOURCE	TRUCK08	8.00	a			6263527.46	2238890.86	8.00	0.00
						6262767.65	2238890.86	8.00	0.00
						6262755.83	2238890.36	8.00	0.00
						6262744.08	2238891.75	8.00	0.00
						6262732.70	2238894.99	8.00	0.00
						6262721.98	2238900.01	8.00	0.00
						6262712.21	2238906.68	8.00	0.00
						6262703.62	2238914.82	8.00	0.00
						6262696.44	2238924.23	8.00	0.00
						6262690.85	2238934.66	8.00	0.00
						6262687.00	2238945.85	8.00	0.00
						6262684.99	2238957.51	8.00	0.00
						6262684.86	2238969.34	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
LINESOURCE	TRUCK09	8.00	a			6263538.67	2239623.07	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
						6262619.31	2239606.68	8.00	0.00
						6262611.03	2239605.28	8.00	0.00
						6262603.10	2239602.52	8.00	0.00
						6262595.74	2239598.46	8.00	0.00
						6262589.16	2239593.23	8.00	0.00
						6262583.56	2239586.97	8.00	0.00
						6262579.09	2239579.86	8.00	0.00
						6262575.87	2239572.10	8.00	0.00
						6262574.00	2239563.91	8.00	0.00
						6262573.53	2239555.52	8.00	0.00
						6262574.47	2239547.17	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262577.06	2239483.35	8.00	0.00
						6262633.98	2239236.70	8.00	0.00
						6262631.39	2239114.23	8.00	0.00
						6262627.14	2239099.52	8.00	0.00
						6262620.95	2239085.51	8.00	0.00
						6262612.94	2239072.45	8.00	0.00
						6262603.26	2239060.58	8.00	0.00
						6262592.08	2239050.12	8.00	0.00
						6262579.59	2239041.25	8.00	0.00
						6262566.03	2239034.13	8.00	0.00
LINESOURCE	TRUCK10	8.00	a			6264294.28	2239583.54	8.00	0.00
						6263922.20	2239586.30	8.00	0.00
						6263926.79	2240128.35	8.00	0.00
						6263928.63	2240201.85	8.00	0.00
						6263867.99	2240203.69	8.00	0.00
LINESOURCE	TRUCK11	8.00	a			6263827.07	2241825.51	8.00	0.00
						6261719.13	2241877.13	8.00	0.00
						6261680.77	2241870.12	8.00	0.00
						6261642.76	2241861.39	8.00	0.00
						6261605.18	2241850.95	8.00	0.00
						6261568.12	2241838.83	8.00	0.00
						6261531.63	2241825.05	8.00	0.00
						6261408.36	2241782.10	8.00	0.00
LINESOURCE	TRUCK12	8.00	a			6262537.55	2241857.09	8.00	0.00
						6262563.06	2243848.54	8.00	0.00
LINESOURCE	TRUCK13	8.00	a			6261796.42	2240673.25	8.00	0.00
						6261907.12	2240704.76	8.00	0.00
						6262018.91	2240714.07	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
LINESOURCE	TRUCK14	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262710.16	2241746.29	8.00	0.00
						6262691.53	2240783.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
LINESOURCE	TRUCK15	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262888.91	2240780.23	8.00	0.00
LINESOURCE	TRUCK16	8.00	a			6262702.52	2241351.47	8.00	0.00
						6263103.29	2241355.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
						6263075.35	2239758.25	8.00	0.00
LINESOURCE	TRUCK17	8.00	a			6263092.16	2240600.34	8.00	0.00
						6262676.62	2240607.87	8.00	0.00
						6262674.76	2239761.98	8.00	0.00
						6263667.84	2239748.94	8.00	0.00
LINESOURCE	TRUCK18	8.00	a			6262883.61	2240604.12	8.00	0.00
						6262872.10	2239759.39	8.00	0.00
LINESOURCE	TRUCK19	8.00	a			6262675.67	2240173.76	8.00	0.00
						6263083.71	2240177.23	8.00	0.00
LINESOURCE	TRUCK20	8.00	a			6263360.42	2240522.16	8.00	0.00
						6263349.12	2239753.12	8.00	0.00
LINESOURCE	TRUCK21	8.00	a			6263641.76	2241008.46	8.00	0.00
						6263643.68	2239749.25	8.00	0.00
LINESOURCE	TRUCK22	8.00	a			6263477.67	2240522.63	8.00	0.00
						6263462.05	2239751.80	8.00	0.00
LINESOURCE	TRUCK23	8.00	a			6263578.37	2240533.05	8.00	0.00
						6263562.74	2239753.53	8.00	0.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR001	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR002	87.8	87.8	87.8	61.4	61.4	61.4	Lw	87.8					5	a
AREASOURCE		CAR003	87.8	87.8	87.8	58.4	58.4	58.4	Lw	87.8					5	a
AREASOURCE		CAR004	87.8	87.8	87.8	66.6	66.6	66.6	Lw	87.8					5	a
AREASOURCE		CAR005	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR006	87.8	87.8	87.8	62.2	62.2	62.2	Lw	87.8					5	a
AREASOURCE		CAR007	87.8	87.8	87.8	64.7	64.7	64.7	Lw	87.8					5	a
AREASOURCE		CAR008	87.8	87.8	87.8	63.8	63.8	63.8	Lw	87.8					5	a
AREASOURCE		CAR009	87.8	87.8	87.8	64.8	64.8	64.8	Lw	87.8					5	a
AREASOURCE		CAR010	87.8	87.8	87.8	67.0	67.0	67.0	Lw	87.8					5	a
AREASOURCE		CAR011	87.8	87.8	87.8	70.4	70.4	70.4	Lw	87.8					5	a
AREASOURCE		CAR012	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR013	87.8	87.8	87.8	63.0	63.0	63.0	Lw	87.8					5	a
AREASOURCE		CAR014	87.8	87.8	87.8	63.1	63.1	63.1	Lw	87.8					5	a
AREASOURCE		CAR015	87.8	87.8	87.8	71.6	71.6	71.6	Lw	87.8					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR016	87.8	87.8	87.8	57.9	57.9	57.9	Lw	87.8					5	a
AREASOURCE		CAR017	87.8	87.8	87.8	71.4	71.4	71.4	Lw	87.8					5	a
AREASOURCE		CAR018	87.8	87.8	87.8	66.7	66.7	66.7	Lw	87.8					5	a
AREASOURCE		CAR019	87.8	87.8	87.8	68.2	68.2	68.2	Lw	87.8					5	a
AREASOURCE		CAR020	87.8	87.8	87.8	61.7	61.7	61.7	Lw	87.8					5	a
AREASOURCE		CAR021	87.8	87.8	87.8	68.5	68.5	68.5	Lw	87.8					5	a
AREASOURCE		CAR022	87.8	87.8	87.8	64.9	64.9	64.9	Lw	87.8					5	a
AREASOURCE		CAR023	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR024	87.8	87.8	87.8	71.3	71.3	71.3	Lw	87.8					5	a
AREASOURCE		CAR025	87.8	87.8	87.8	64.3	64.3	64.3	Lw	87.8					5	a
AREASOURCE		CAR026	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR027	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR028	87.8	87.8	87.8	59.5	59.5	59.5	Lw	87.8					5	a
AREASOURCE		CAR029	87.8	87.8	87.8	60.1	60.1	60.1	Lw	87.8					5	a
AREASOURCE		CAR030	87.8	87.8	87.8	56.8	56.8	56.8	Lw	87.8					5	a
AREASOURCE		CAR031	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR032	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR033	87.8	87.8	87.8	56.7	56.7	56.7	Lw	87.8					5	a
AREASOURCE		CAR034	87.8	87.8	87.8	66.3	66.3	66.3	Lw	87.8					5	a
AREASOURCE		CAR035	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR036	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR037	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR038	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR039	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR040	87.8	87.8	87.8	59.7	59.7	59.7	Lw	87.8					5	a
AREASOURCE		CAR041	87.8	87.8	87.8	59.2	59.2	59.2	Lw	87.8					5	a
AREASOURCE		CAR042	87.8	87.8	87.8	70.9	70.9	70.9	Lw	87.8					5	a
AREASOURCE		CAR043	87.8	87.8	87.8	53.5	53.5	53.5	Lw	87.8					5	a
AREASOURCE		CAR044	87.8	87.8	87.8	55.6	55.6	55.6	Lw	87.8					5	a
AREASOURCE		CAR045	87.8	87.8	87.8	61.4	61.4	61.4	Lw	87.8					5	a
AREASOURCE		CAR046	87.8	87.8	87.8	61.7	61.7	61.7	Lw	87.8					5	a
AREASOURCE		CAR047	87.8	87.8	87.8	59.5	59.5	59.5	Lw	87.8					5	a
AREASOURCE		CAR048	87.8	87.8	87.8	59.4	59.4	59.4	Lw	87.8					5	a
AREASOURCE		CAR049	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR050	87.8	87.8	87.8	60.2	60.2	60.2	Lw	87.8					5	a
AREASOURCE		CAR051	87.8	87.8	87.8	63.5	63.5	63.5	Lw	87.8					5	a
AREASOURCE		CAR052	87.8	87.8	87.8	60.1	60.1	60.1	Lw	87.8					5	a
AREASOURCE		CAR053	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR054	87.8	87.8	87.8	61.1	61.1	61.1	Lw	87.8					5	a
AREASOURCE		CAR055	87.8	87.8	87.8	61.9	61.9	61.9	Lw	87.8					5	a
AREASOURCE		CAR056	87.8	87.8	87.8	60.2	60.2	60.2	Lw	87.8					5	a
AREASOURCE		CAR057	87.8	87.8	87.8	59.7	59.7	59.7	Lw	87.8					5	a
AREASOURCE		CAR058	87.8	87.8	87.8	59.8	59.8	59.8	Lw	87.8					5	a
AREASOURCE		CAR059	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR060	87.8	87.8	87.8	66.1	66.1	66.1	Lw	87.8					5	a
AREASOURCE		CAR061	87.8	87.8	87.8	66.0	66.0	66.0	Lw	87.8					5	a
AREASOURCE		CAR062	87.8	87.8	87.8	63.9	63.9	63.9	Lw	87.8					5	a
AREASOURCE		CAR063	87.8	87.8	87.8	61.6	61.6	61.6	Lw	87.8					5	a
AREASOURCE		CAR064	87.8	87.8	87.8	64.5	64.5	64.5	Lw	87.8					5	a
AREASOURCE		CAR065	87.8	87.8	87.8	64.6	64.6	64.6	Lw	87.8					5	a
AREASOURCE		CAR066	87.8	87.8	87.8	65.2	65.2	65.2	Lw	87.8					5	a
AREASOURCE		CAR067	87.8	87.8	87.8	59.9	59.9	59.9	Lw	87.8					5	a
AREASOURCE		CAR068	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR069	87.8	87.8	87.8	61.2	61.2	61.2	Lw	87.8					5	a
AREASOURCE		CAR070	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR071	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR072	87.8	87.8	87.8	59.9	59.9	59.9	Lw	87.8					5	a
AREASOURCE		CAR073	87.8	87.8	87.8	64.7	64.7	64.7	Lw	87.8					5	a
AREASOURCE		CAR074	87.8	87.8	87.8	65.6	65.6	65.6	Lw	87.8					5	a
AREASOURCE		CAR075	87.8	87.8	87.8	66.4	66.4	66.4	Lw	87.8					5	a
AREASOURCE		CAR076	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR077	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR078	87.8	87.8	87.8	62.6	62.6	62.6	Lw	87.8					5	a
AREASOURCE		CAR079	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR080	87.8	87.8	87.8	62.7	62.7	62.7	Lw	87.8					5	a
AREASOURCE		CAR081	87.8	87.8	87.8	62.9	62.9	62.9	Lw	87.8					5	a
AREASOURCE		CAR082	87.8	87.8	87.8	62.7	62.7	62.7	Lw	87.8					5	a
AREASOURCE		CAR083	87.8	87.8	87.8	63.3	63.3	63.3	Lw	87.8					5	a
AREASOURCE		CAR084	87.8	87.8	87.8	60.5	60.5	60.5	Lw	87.8					5	a
AREASOURCE		CAR085	87.8	87.8	87.8	62.0	62.0	62.0	Lw	87.8					5	a
AREASOURCE		CAR086	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR087	87.8	87.8	87.8	62.6	62.6	62.6	Lw	87.8					5	a
AREASOURCE		CAR088	87.8	87.8	87.8	63.8	63.8	63.8	Lw	87.8					5	a
AREASOURCE		CAR089	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR090	87.8	87.8	87.8	62.5	62.5	62.5	Lw	87.8					5	a
AREASOURCE		CAR091	87.8	87.8	87.8	62.1	62.1	62.1	Lw	87.8					5	a
AREASOURCE		CAR092	87.8	87.8	87.8	65.7	65.7	65.7	Lw	87.8					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR093	87.8	87.8	87.8	64.9	64.9	64.9	Lw	87.8					5	a
AREASOURCE		CAR094	87.8	87.8	87.8	67.0	67.0	67.0	Lw	87.8					5	a
AREASOURCE		CAR095	87.8	87.8	87.8	63.6	63.6	63.6	Lw	87.8					5	a
AREASOURCE		CAR096	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR097	87.8	87.8	87.8	61.9	61.9	61.9	Lw	87.8					5	a
AREASOURCE		CAR098	87.8	87.8	87.8	62.0	62.0	62.0	Lw	87.8					5	a
AREASOURCE		CAR099	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR100	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR101	87.8	87.8	87.8	57.1	57.1	57.1	Lw	87.8					5	a
AREASOURCE		CAR102	87.8	87.8	87.8	56.4	56.4	56.4	Lw	87.8					5	a
AREASOURCE		CAR103	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR104	87.8	87.8	87.8	60.7	60.7	60.7	Lw	87.8					5	a
AREASOURCE		CAR105	87.8	87.8	87.8	61.2	61.2	61.2	Lw	87.8					5	a
AREASOURCE		CAR106	87.8	87.8	87.8	65.4	65.4	65.4	Lw	87.8					5	a
AREASOURCE		CAR107	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR108	87.8	87.8	87.8	57.8	57.8	57.8	Lw	87.8					5	a
AREASOURCE		CAR109	87.8	87.8	87.8	58.0	58.0	58.0	Lw	87.8					5	a
AREASOURCE		CAR110	87.8	87.8	87.8	58.0	58.0	58.0	Lw	87.8					5	a
AREASOURCE		CAR111	87.8	87.8	87.8	57.5	57.5	57.5	Lw	87.8					5	a
AREASOURCE		DRY001	103.4	103.4	103.4	50.0	50.0	50.0	Lw	103.4					8	a
AREASOURCE		DRY002	103.4	103.4	103.4	84.7	84.7	84.7	Lw	103.4					8	a
AREASOURCE		DRY003	103.4	103.4	103.4	48.8	48.8	48.8	Lw	103.4					8	a
AREASOURCE		DRY004	103.4	103.4	103.4	69.0	69.0	69.0	Lw	103.4					8	a
AREASOURCE		DRY005	103.4	103.4	103.4	69.2	69.2	69.2	Lw	103.4					8	a
AREASOURCE		DRY006	103.4	103.4	103.4	67.7	67.7	67.7	Lw	103.4					8	a
AREASOURCE		DRY007	103.4	103.4	103.4	68.5	68.5	68.5	Lw	103.4					8	a
AREASOURCE		DRY008	103.4	103.4	103.4	67.1	67.1	67.1	Lw	103.4					8	a
AREASOURCE		DRY009	103.4	103.4	103.4	67.8	67.8	67.8	Lw	103.4					8	a
AREASOURCE		DRY010	103.4	103.4	103.4	69.1	69.1	69.1	Lw	103.4					8	a
AREASOURCE		DRY011	103.4	103.4	103.4	66.5	66.5	66.5	Lw	103.4					8	a
AREASOURCE		DRY012	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY013	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY014	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY015	103.4	103.4	103.4	66.8	66.8	66.8	Lw	103.4					8	a
AREASOURCE		DRY016	103.4	103.4	103.4	66.6	66.6	66.6	Lw	103.4					8	a
AREASOURCE		DRY017	103.4	103.4	103.4	66.1	66.1	66.1	Lw	103.4					8	a
AREASOURCE		DRY018	103.4	103.4	103.4	66.8	66.8	66.8	Lw	103.4					8	a
AREASOURCE		DRY019	103.4	103.4	103.4	64.7	64.7	64.7	Lw	103.4					8	a
AREASOURCE		DRY020	103.4	103.4	103.4	65.5	65.5	65.5	Lw	103.4					8	a
AREASOURCE		DRY021	103.4	103.4	103.4	70.0	70.0	70.0	Lw	103.4					8	a
AREASOURCE		DRY022	103.4	103.4	103.4	65.4	65.4	65.4	Lw	103.4					8	a
AREASOURCE		DRY023	103.4	103.4	103.4	67.1	67.1	67.1	Lw	103.4					8	a
AREASOURCE		DRY024	103.4	103.4	103.4	65.8	65.8	65.8	Lw	103.4					8	a
AREASOURCE		DRY025	103.4	103.4	103.4	68.0	68.0	68.0	Lw	103.4					8	a
AREASOURCE		DRY026	103.4	103.4	103.4	68.3	68.3	68.3	Lw	103.4					8	a
AREASOURCE		DRY027	103.4	103.4	103.4	77.4	77.4	77.4	Lw	103.4					8	a
AREASOURCE		DRY028	103.4	103.4	103.4	76.9	76.9	76.9	Lw	103.4					8	a
AREASOURCE		DRY029	103.4	103.4	103.4	73.6	73.6	73.6	Lw	103.4					8	a
AREASOURCE		DRY030	103.4	103.4	103.4	72.9	72.9	72.9	Lw	103.4					8	a
AREASOURCE		DRY031	103.4	103.4	103.4	72.6	72.6	72.6	Lw	103.4					8	a
AREASOURCE		DRY032	103.4	103.4	103.4	67.9	67.9	67.9	Lw	103.4					8	a
AREASOURCE		DRY033	103.4	103.4	103.4	67.9	67.9	67.9	Lw	103.4					8	a
AREASOURCE		DRY034	103.4	103.4	103.4	67.7	67.7	67.7	Lw	103.4					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR001	5.00	a			6261833.96	2241791.77	5.00	0.00
						6262050.31	2241789.35	5.00	0.00
						6262049.40	2241772.08	5.00	0.00
						6261833.66	2241774.20	5.00	0.00
AREASOURCE	CAR002	5.00	a			6262096.37	2241787.53	5.00	0.00
						6262377.86	2241784.50	5.00	0.00
						6262377.56	2241767.84	5.00	0.00
						6262096.06	2241771.17	5.00	0.00
AREASOURCE	CAR003	5.00	a			6261856.08	2241744.81	5.00	0.00
						6262377.26	2241739.05	5.00	0.00
						6262376.35	2241721.78	5.00	0.00
						6261855.78	2241726.32	5.00	0.00
AREASOURCE	CAR004	5.00	a			6262376.95	2241712.08	5.00	0.00
						6262392.71	2241711.48	5.00	0.00
						6262391.80	2241620.88	5.00	0.00
						6262376.35	2241620.88	5.00	0.00
AREASOURCE	CAR005	5.00	a			6262438.16	2241782.99	5.00	0.00
						6262435.13	2241620.57	5.00	0.00
						6262419.98	2241619.97	5.00	0.00
						6262423.01	2241783.59	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR006	5.00	a			6261869.22	2240625.84	5.00	0.00
						6261927.78	2240637.36	5.00	0.00
						6261979.30	2240642.48	5.00	0.00
						6262037.54	2240642.16	5.00	0.00
						6262097.06	2240642.48	5.00	0.00
						6262096.42	2240625.52	5.00	0.00
						6261988.26	2240625.52	5.00	0.00
						6261930.34	2240620.40	5.00	0.00
						6261872.10	2240608.56	5.00	0.00
AREASOURCE	CAR007	5.00	a			6261924.90	2240572.72	5.00	0.00
						6261921.70	2240590.64	5.00	0.00
						6261977.70	2240596.72	5.00	0.00
						6261990.18	2240597.68	5.00	0.00
						6262049.38	2240598.00	5.00	0.00
						6262048.74	2240580.08	5.00	0.00
						6261982.50	2240580.40	5.00	0.00
AREASOURCE	CAR008	5.00	a			6262090.98	2240594.80	5.00	0.00
						6262098.98	2240580.08	5.00	0.00
						6262026.34	2240542.64	5.00	0.00
						6261992.10	2240523.44	5.00	0.00
						6261971.30	2240501.36	5.00	0.00
						6261960.10	2240513.52	5.00	0.00
						6261979.62	2240534.96	5.00	0.00
						6261986.98	2240542.32	5.00	0.00
						6262018.02	2240558.32	5.00	0.00
AREASOURCE	CAR009	5.00	a			6261866.66	2240600.88	5.00	0.00
						6261922.02	2240486.64	5.00	0.00
						6261906.02	2240480.24	5.00	0.00
						6261851.30	2240593.20	5.00	0.00
AREASOURCE	CAR010	5.00	a			6261941.22	2240452.40	5.00	0.00
						6262001.38	2240482.16	5.00	0.00
						6262010.98	2240465.20	5.00	0.00
						6261947.62	2240435.12	5.00	0.00
AREASOURCE	CAR011	5.00	a			6262381.73	2240151.35	5.00	0.00
						6262372.78	2240168.22	5.00	0.00
						6262397.71	2240182.81	5.00	0.00
						6262408.55	2240165.22	5.00	0.00
AREASOURCE	CAR012	5.00	a			6262438.15	2240191.58	5.00	0.00
						6262455.73	2240191.58	5.00	0.00
						6262448.33	2239815.58	5.00	0.00
						6262431.22	2239816.04	5.00	0.00
AREASOURCE	CAR013	5.00	a			6262371.55	2239956.17	5.00	0.00
						6262378.49	2239940.91	5.00	0.00
						6262209.22	2239856.28	5.00	0.00
						6262201.82	2239872.46	5.00	0.00
AREASOURCE	CAR014	5.00	a			6262376.64	2239899.29	5.00	0.00
						6262385.43	2239883.56	5.00	0.00
						6262232.34	2239805.86	5.00	0.00
						6262223.56	2239822.51	5.00	0.00
AREASOURCE	CAR015	5.00	a			6262401.15	2239878.48	5.00	0.00
						6262400.69	2239851.65	5.00	0.00
						6262384.36	2239851.96	5.00	0.00
						6262384.10	2239879.04	5.00	0.00
AREASOURCE	CAR016	5.00	a			6263161.59	2238163.94	5.00	0.00
						6263729.58	2238163.94	5.00	0.00
						6263728.28	2238144.29	5.00	0.00
						6263161.59	2238146.48	5.00	0.00
AREASOURCE	CAR017	5.00	a			6263217.91	2238116.35	5.00	0.00
						6263246.73	2238116.79	5.00	0.00
						6263247.16	2238100.20	5.00	0.00
						6263219.66	2238099.76	5.00	0.00
AREASOURCE	CAR018	5.00	a			6263256.77	2238108.50	5.00	0.00
						6263272.92	2238108.06	5.00	0.00
						6263272.92	2238025.11	5.00	0.00
						6263255.02	2238027.29	5.00	0.00
AREASOURCE	CAR019	5.00	a			6263222.28	2238092.78	5.00	0.00
						6263250.65	2238048.25	5.00	0.00
						6263236.25	2238036.90	5.00	0.00
						6263207.00	2238083.61	5.00	0.00
AREASOURCE	CAR020	5.00	a			6263177.31	2238075.31	5.00	0.00
						6263317.89	2237865.76	5.00	0.00
						6263300.86	2237855.28	5.00	0.00
						6263165.08	2238066.15	5.00	0.00
AREASOURCE	CAR021	5.00	a			6263321.38	2237844.36	5.00	0.00
						6263321.38	2237861.83	5.00	0.00
						6263376.83	2237861.39	5.00	0.00
						6263375.95	2237845.67	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR022	5.00	a			6263387.74	2237870.56	5.00	0.00
						6263479.42	2237929.50	5.00	0.00
						6263489.46	2237914.22	5.00	0.00
						6263399.53	2237853.53	5.00	0.00
AREASOURCE	CAR023	5.00	a			6263534.87	2237962.68	5.00	0.00
						6263715.61	2238085.79	5.00	0.00
						6263726.53	2238070.08	5.00	0.00
						6263543.60	2237950.45	5.00	0.00
AREASOURCE	CAR024	5.00	a			6263652.31	2238107.19	5.00	0.00
						6263651.87	2238080.99	5.00	0.00
						6263633.97	2238080.55	5.00	0.00
						6263633.97	2238107.62	5.00	0.00
AREASOURCE	CAR025	5.00	a			6263605.60	2238108.06	5.00	0.00
						6263604.72	2238053.05	5.00	0.00
						6263585.51	2238053.92	5.00	0.00
						6263585.95	2238036.46	5.00	0.00
						6263567.18	2238035.15	5.00	0.00
						6263567.61	2238108.06	5.00	0.00
AREASOURCE	CAR026	5.00	a			6263539.24	2238108.50	5.00	0.00
						6263537.05	2238007.64	5.00	0.00
						6263517.41	2238007.21	5.00	0.00
						6263517.84	2237997.60	5.00	0.00
						6263500.38	2237999.35	5.00	0.00
						6263501.69	2238100.20	5.00	0.00
						6263519.15	2238098.89	5.00	0.00
						6263520.46	2238108.50	5.00	0.00
AREASOURCE	CAR027	5.00	a			6263434.46	2238108.50	5.00	0.00
						6263453.67	2238108.06	5.00	0.00
						6263453.67	2238100.64	5.00	0.00
						6263471.56	2238099.76	5.00	0.00
						6263470.69	2237963.55	5.00	0.00
						6263451.05	2237963.55	5.00	0.00
						6263452.36	2237954.38	5.00	0.00
						6263432.71	2237954.82	5.00	0.00
AREASOURCE	CAR028	5.00	a			6263368.97	2238107.62	5.00	0.00
						6263406.08	2238108.50	5.00	0.00
						6263402.58	2237916.40	5.00	0.00
						6263384.69	2237918.15	5.00	0.00
						6263384.69	2237908.54	5.00	0.00
						6263365.48	2237908.10	5.00	0.00
AREASOURCE	CAR029	5.00	a			6263302.61	2238108.50	5.00	0.00
						6263338.84	2238106.75	5.00	0.00
						6263337.10	2237926.44	5.00	0.00
						6263318.76	2237927.31	5.00	0.00
						6263317.89	2237944.78	5.00	0.00
						6263299.99	2237944.78	5.00	0.00
AREASOURCE	CAR030	5.00	a			6263206.20	2241722.79	5.00	0.00
						6263569.49	2241723.41	5.00	0.00
						6263569.49	2241686.21	5.00	0.00
						6263206.20	2241685.59	5.00	0.00
AREASOURCE	CAR031	5.00	a			6263205.58	2241659.56	5.00	0.00
						6263568.25	2241659.56	5.00	0.00
						6263567.63	2241622.98	5.00	0.00
						6263204.96	2241622.98	5.00	0.00
AREASOURCE	CAR032	5.00	a			6263203.10	2241595.70	5.00	0.00
						6263566.39	2241596.94	5.00	0.00
						6263567.01	2241559.13	5.00	0.00
						6263202.48	2241560.37	5.00	0.00
AREASOURCE	CAR033	5.00	a			6263201.86	2241534.33	5.00	0.00
						6263565.77	2241532.47	5.00	0.00
						6263565.77	2241494.65	5.00	0.00
						6263203.10	2241496.51	5.00	0.00
AREASOURCE	CAR034	5.00	a			6263149.79	2241650.88	5.00	0.00
						6263170.87	2241649.64	5.00	0.00
						6263171.49	2241578.34	5.00	0.00
						6263150.41	2241578.34	5.00	0.00
AREASOURCE	CAR035	5.00	a			6263148.55	2241524.41	5.00	0.00
						6263167.15	2241522.55	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263142.97	2241244.82	5.00	0.00
AREASOURCE	CAR036	5.00	a			6263202.48	2241469.23	5.00	0.00
						6263565.77	2241469.85	5.00	0.00
						6263563.91	2241433.28	5.00	0.00
						6263201.86	2241432.66	5.00	0.00
AREASOURCE	CAR037	5.00	a			6263201.24	2241405.38	5.00	0.00
						6263563.29	2241406.62	5.00	0.00
						6263564.53	2241368.80	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263201.24	2241369.42	5.00	0.00
AREASOURCE	CAR038	5.00	a			6263200.62	2241341.53	5.00	0.00
						6263561.43	2241343.39	5.00	0.00
						6263562.67	2241305.57	5.00	0.00
						6263200.62	2241306.19	5.00	0.00
AREASOURCE	CAR039	5.00	a			6263200.00	2241278.29	5.00	0.00
						6263561.43	2241280.15	5.00	0.00
						6263560.81	2241243.58	5.00	0.00
						6263200.00	2241241.72	5.00	0.00
AREASOURCE	CAR040	5.00	a			6263600.48	2241523.17	5.00	0.00
						6263622.80	2241523.79	5.00	0.00
						6263617.84	2241217.54	5.00	0.00
						6263594.90	2241219.40	5.00	0.00
AREASOURCE	CAR041	5.00	a			6263161.57	2241215.68	5.00	0.00
						6263596.33	2241214.62	5.00	0.00
						6263597.20	2241197.70	5.00	0.00
						6263161.87	2241196.40	5.00	0.00
AREASOURCE	CAR042	5.00	a			6263142.97	2241244.82	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263161.57	2241215.68	5.00	0.00
						6263143.21	2241216.36	5.00	0.00
AREASOURCE	CAR043	5.00	a			6263697.77	2239646.90	5.00	0.00
						6263735.80	2239646.14	5.00	0.00
						6263721.35	2238869.70	5.00	0.00
						6263684.84	2238869.70	5.00	0.00
AREASOURCE	CAR044	5.00	a			6263758.61	2239658.31	5.00	0.00
						6263782.18	2239655.27	5.00	0.00
						6263767.74	2238861.33	5.00	0.00
						6263746.44	2238862.85	5.00	0.00
AREASOURCE	CAR045	5.00	a			6264438.31	2241650.71	5.00	0.00
						6264436.03	2241675.76	5.00	0.00
						6264631.88	2241673.49	5.00	0.00
						6264629.61	2241649.57	5.00	0.00
AREASOURCE	CAR046	5.00	a			6264619.36	2241614.27	5.00	0.00
						6264640.99	2241615.41	5.00	0.00
						6264638.30	2241407.25	5.00	0.00
						6264617.47	2241406.55	5.00	0.00
AREASOURCE	CAR047	5.00	a			6264678.58	2241475.30	5.00	0.00
						6264896.64	2241472.53	5.00	0.00
						6264897.33	2241438.50	5.00	0.00
						6264679.27	2241441.97	5.00	0.00
AREASOURCE	CAR048	5.00	a			6264678.58	2241414.19	5.00	0.00
						6264898.02	2241414.19	5.00	0.00
						6264896.64	2241378.08	5.00	0.00
						6264678.58	2241382.25	5.00	0.00
AREASOURCE	CAR049	5.00	a			6264939.00	2241457.94	5.00	0.00
						6264969.55	2241457.25	5.00	0.00
						6264967.47	2241330.17	5.00	0.00
						6264938.30	2241326.69	5.00	0.00
AREASOURCE	CAR050	5.00	a			6264996.64	2241463.50	5.00	0.00
						6265042.47	2241462.80	5.00	0.00
						6265039.00	2241326.69	5.00	0.00
						6264994.55	2241323.92	5.00	0.00
AREASOURCE	CAR051	5.00	a			6265066.77	2241460.72	5.00	0.00
						6265088.30	2241460.03	5.00	0.00
						6265084.14	2241323.92	5.00	0.00
						6265063.30	2241323.92	5.00	0.00
AREASOURCE	CAR052	5.00	a			6264682.75	2241348.22	5.00	0.00
						6264889.69	2241346.83	5.00	0.00
						6264887.61	2241315.58	5.00	0.00
						6264680.66	2241317.67	5.00	0.00
AREASOURCE	CAR053	5.00	a			6264684.83	2241287.11	5.00	0.00
						6264861.22	2241289.89	5.00	0.00
						6264861.22	2241251.69	5.00	0.00
						6264682.05	2241252.39	5.00	0.00
AREASOURCE	CAR054	5.00	a			6264679.97	2241230.86	5.00	0.00
						6264909.83	2241229.47	5.00	0.00
						6264912.61	2241209.33	5.00	0.00
						6264677.19	2241207.94	5.00	0.00
AREASOURCE	CAR055	5.00	a			6264676.50	2241155.86	5.00	0.00
						6264906.36	2241157.94	5.00	0.00
						6264907.05	2241137.80	5.00	0.00
						6264675.80	2241139.89	5.00	0.00
AREASOURCE	CAR056	5.00	a			6264682.75	2241107.94	5.00	0.00
						6264908.44	2241109.33	5.00	0.00
						6264909.14	2241079.47	5.00	0.00
						6264682.75	2241082.94	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR057	5.00	a			6264693.16	2241049.61	5.00	0.00
						6264908.44	2241051.00	5.00	0.00
						6264909.83	2241018.36	5.00	0.00
						6264689.69	2241018.36	5.00	0.00
AREASOURCE	CAR058	5.00	a			6264694.55	2240987.80	5.00	0.00
						6264907.75	2240988.50	5.00	0.00
						6264907.75	2240954.47	5.00	0.00
						6264696.64	2240957.25	5.00	0.00
AREASOURCE	CAR059	5.00	a			6264689.00	2240924.61	5.00	0.00
						6264913.30	2240921.14	5.00	0.00
						6264911.22	2240890.58	5.00	0.00
						6264690.39	2240896.83	5.00	0.00
AREASOURCE	CAR060	5.00	a			6264952.19	2241098.92	5.00	0.00
						6264973.72	2241098.92	5.00	0.00
						6264973.72	2241026.69	5.00	0.00
						6264951.50	2241025.30	5.00	0.00
AREASOURCE	CAR061	5.00	a			6264979.27	2241290.58	5.00	0.00
						6265061.22	2241289.89	5.00	0.00
						6265059.83	2241269.75	5.00	0.00
						6264981.36	2241269.75	5.00	0.00
AREASOURCE	CAR062	5.00	a			6264962.61	2240969.05	5.00	0.00
						6265080.66	2240969.75	5.00	0.00
						6265080.66	2240944.75	5.00	0.00
						6264962.61	2240948.92	5.00	0.00
AREASOURCE	CAR063	5.00	a			6265057.05	2240746.83	5.00	0.00
						6265061.91	2240933.64	5.00	0.00
						6265082.75	2240931.55	5.00	0.00
						6265084.14	2240744.75	5.00	0.00
AREASOURCE	CAR064	5.00	a			6264961.91	2240920.44	5.00	0.00
						6265032.05	2240922.53	5.00	0.00
						6265030.66	2240885.72	5.00	0.00
						6264965.39	2240889.89	5.00	0.00
AREASOURCE	CAR065	5.00	a			6264962.61	2240860.72	5.00	0.00
						6265027.19	2240860.72	5.00	0.00
						6265029.27	2240826.69	5.00	0.00
						6264959.83	2240827.39	5.00	0.00
AREASOURCE	CAR066	5.00	a			6264966.77	2240737.11	5.00	0.00
						6265057.05	2240746.83	5.00	0.00
						6265059.83	2240720.44	5.00	0.00
						6264965.39	2240721.14	5.00	0.00
AREASOURCE	CAR067	5.00	a			6264702.19	2240866.97	5.00	0.00
						6264906.36	2240863.50	5.00	0.00
						6264906.36	2240829.47	5.00	0.00
						6264701.50	2240835.72	5.00	0.00
AREASOURCE	CAR068	5.00	a			6264701.50	2240804.47	5.00	0.00
						6264909.83	2240803.78	5.00	0.00
						6264909.14	2240771.83	5.00	0.00
						6264700.80	2240778.78	5.00	0.00
AREASOURCE	CAR069	5.00	a			6264703.58	2240748.22	5.00	0.00
						6264906.36	2240748.92	5.00	0.00
						6264905.66	2240722.53	5.00	0.00
						6264702.89	2240726.00	5.00	0.00
AREASOURCE	CAR070	5.00	a			6264720.94	2240695.44	5.00	0.00
						6264902.19	2240697.53	5.00	0.00
						6264902.89	2240662.80	5.00	0.00
						6264723.72	2240662.80	5.00	0.00
AREASOURCE	CAR071	5.00	a			6264711.22	2240630.86	5.00	0.00
						6264902.19	2240630.17	5.00	0.00
						6264904.27	2240597.53	5.00	0.00
						6264711.91	2240599.61	5.00	0.00
AREASOURCE	CAR072	5.00	a			6264707.75	2240571.83	5.00	0.00
						6264904.27	2240569.75	5.00	0.00
						6264902.19	2240535.72	5.00	0.00
						6264709.14	2240537.11	5.00	0.00
AREASOURCE	CAR073	5.00	a			6264960.52	2240694.75	5.00	0.00
						6265034.83	2240688.50	5.00	0.00
						6265037.61	2240660.72	5.00	0.00
						6264964.69	2240662.11	5.00	0.00
AREASOURCE	CAR074	5.00	a			6264968.86	2240798.92	5.00	0.00
						6265033.44	2240798.22	5.00	0.00
						6265034.14	2240771.14	5.00	0.00
						6264966.77	2240771.83	5.00	0.00
AREASOURCE	CAR075	5.00	a			6264979.27	2240628.78	5.00	0.00
						6265071.64	2240628.08	5.00	0.00
						6265067.47	2240610.03	5.00	0.00
						6264979.27	2240614.19	5.00	0.00
AREASOURCE	CAR076	5.00	a			6264386.22	2240519.75	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6264636.91	2240519.05	5.00	0.00
						6264637.61	2240495.44	5.00	0.00
						6264386.91	2240494.75	5.00	0.00
AREASOURCE	CAR077	5.00	a			6263912.96	2240345.45	5.00	0.00
						6263947.52	2240345.87	5.00	0.00
						6263946.69	2240230.09	5.00	0.00
						6263916.71	2240228.43	5.00	0.00
AREASOURCE	CAR078	5.00	a			6263978.76	2240344.20	5.00	0.00
						6264010.83	2240342.53	5.00	0.00
						6264008.74	2240225.93	5.00	0.00
						6263979.59	2240227.59	5.00	0.00
AREASOURCE	CAR079	5.00	a			6264042.89	2240342.95	5.00	0.00
						6264078.29	2240344.62	5.00	0.00
						6264076.21	2240230.92	5.00	0.00
						6264042.89	2240233.01	5.00	0.00
AREASOURCE	CAR080	5.00	a			6264109.53	2240344.20	5.00	0.00
						6264142.01	2240344.62	5.00	0.00
						6264139.51	2240233.84	5.00	0.00
						6264108.28	2240234.26	5.00	0.00
AREASOURCE	CAR081	5.00	a			6264172.83	2240342.95	5.00	0.00
						6264202.40	2240343.78	5.00	0.00
						6264201.56	2240231.34	5.00	0.00
						6264171.99	2240231.34	5.00	0.00
AREASOURCE	CAR082	5.00	a			6264236.13	2240342.12	5.00	0.00
						6264267.78	2240342.12	5.00	0.00
						6264261.53	2240225.51	5.00	0.00
						6264233.21	2240225.09	5.00	0.00
AREASOURCE	CAR083	5.00	a			6264298.60	2240339.62	5.00	0.00
						6264324.83	2240339.20	5.00	0.00
						6264326.08	2240227.59	5.00	0.00
						6264297.76	2240226.76	5.00	0.00
AREASOURCE	CAR084	5.00	a			6264375.64	2240331.71	5.00	0.00
						6264415.20	2240331.71	5.00	0.00
						6264413.96	2240186.36	5.00	0.00
						6264373.98	2240186.36	5.00	0.00
AREASOURCE	CAR085	5.00	a			6264446.86	2240322.55	5.00	0.00
						6264477.67	2240322.96	5.00	0.00
						6264474.76	2240193.44	5.00	0.00
						6264442.27	2240190.53	5.00	0.00
AREASOURCE	CAR086	5.00	a			6264508.07	2240316.30	5.00	0.00
						6264539.31	2240317.55	5.00	0.00
						6264541.39	2240195.53	5.00	0.00
						6264509.74	2240193.03	5.00	0.00
AREASOURCE	CAR087	5.00	a			6264570.54	2240314.22	5.00	0.00
						6264600.53	2240314.22	5.00	0.00
						6264603.44	2240191.78	5.00	0.00
						6264575.12	2240190.95	5.00	0.00
AREASOURCE	CAR088	5.00	a			6264633.84	2240315.05	5.00	0.00
						6264658.41	2240315.05	5.00	0.00
						6264655.08	2240194.69	5.00	0.00
						6264635.09	2240192.61	5.00	0.00
AREASOURCE	CAR089	5.00	a			6264735.46	2240315.05	5.00	0.00
						6264733.38	2240183.03	5.00	0.00
						6264714.64	2240182.20	5.00	0.00
						6264717.14	2240313.80	5.00	0.00
AREASOURCE	CAR090	5.00	a			6264782.10	2240330.46	5.00	0.00
						6264888.71	2240331.71	5.00	0.00
						6264888.30	2240296.72	5.00	0.00
						6264784.18	2240295.89	5.00	0.00
AREASOURCE	CAR091	5.00	a			6264780.85	2240264.24	5.00	0.00
						6264885.38	2240262.58	5.00	0.00
						6264887.47	2240224.26	5.00	0.00
						6264778.35	2240228.01	5.00	0.00
AREASOURCE	CAR092	5.00	a			6264782.94	2240193.86	5.00	0.00
						6264886.63	2240194.28	5.00	0.00
						6264887.47	2240177.20	5.00	0.00
						6264782.10	2240177.20	5.00	0.00
AREASOURCE	CAR093	5.00	a			6264929.11	2240360.86	5.00	0.00
						6264949.10	2240360.86	5.00	0.00
						6264947.85	2240253.83	5.00	0.00
						6264928.69	2240253.83	5.00	0.00
AREASOURCE	CAR094	5.00	a			6265020.31	2240221.76	5.00	0.00
						6265041.55	2240220.51	5.00	0.00
						6265039.89	2240158.46	5.00	0.00
						6265019.07	2240160.13	5.00	0.00
AREASOURCE	CAR095	5.00	a			6264780.02	2240145.55	5.00	0.00
						6264885.80	2240144.72	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6264883.72	2240114.73	5.00	0.00
						6264785.02	2240119.73	5.00	0.00
AREASOURCE	CAR096	5.00	a			6264929.94	2240124.31	5.00	0.00
						6264951.60	2240124.73	5.00	0.00
						6264949.93	2240006.87	5.00	0.00
						6264929.11	2240007.70	5.00	0.00
AREASOURCE	CAR097	5.00	a			6264766.28	2240078.09	5.00	0.00
						6264887.05	2240081.00	5.00	0.00
						6264887.88	2240042.27	5.00	0.00
						6264768.78	2240046.43	5.00	0.00
AREASOURCE	CAR098	5.00	a			6264782.94	2240015.20	5.00	0.00
						6264883.30	2240013.12	5.00	0.00
						6264883.72	2239972.72	5.00	0.00
						6264781.69	2239975.64	5.00	0.00
AREASOURCE	CAR099	5.00	a			6264385.64	2240121.40	5.00	0.00
						6264668.41	2240115.98	5.00	0.00
						6264668.41	2240098.91	5.00	0.00
						6264386.47	2240100.57	5.00	0.00
AREASOURCE	CAR100	5.00	a			6264386.05	2240071.01	5.00	0.00
						6264688.40	2240069.34	5.00	0.00
						6264691.73	2240055.18	5.00	0.00
						6264711.30	2240050.18	5.00	0.00
						6264710.06	2240036.44	5.00	0.00
						6264385.22	2240042.69	5.00	0.00
AREASOURCE	CAR101	5.00	a			6264385.64	2240010.62	5.00	0.00
						6264718.38	2240011.04	5.00	0.00
						6264717.14	2239972.72	5.00	0.00
						6264385.22	2239972.72	5.00	0.00
AREASOURCE	CAR102	5.00	a			6263899.22	2240387.93	5.00	0.00
						6264651.75	2240386.26	5.00	0.00
						6264650.09	2240363.77	5.00	0.00
						6263894.63	2240370.85	5.00	0.00
AREASOURCE	CAR103	5.00	a			6264384.80	2239942.74	5.00	0.00
						6264716.72	2239941.90	5.00	0.00
						6264714.22	2239911.09	5.00	0.00
						6264386.47	2239915.67	5.00	0.00
AREASOURCE	CAR104	5.00	a			6264784.18	2239941.90	5.00	0.00
						6264969.92	2239941.90	5.00	0.00
						6264970.34	2239911.50	5.00	0.00
						6264782.52	2239913.59	5.00	0.00
AREASOURCE	CAR105	5.00	a			6264783.77	2239879.85	5.00	0.00
						6265010.74	2239875.27	5.00	0.00
						6265011.99	2239854.45	5.00	0.00
						6264782.94	2239857.78	5.00	0.00
AREASOURCE	CAR106	5.00	a			6265015.32	2239976.47	5.00	0.00
						6265034.89	2239973.56	5.00	0.00
						6265029.89	2239879.85	5.00	0.00
						6265010.32	2239882.35	5.00	0.00
AREASOURCE	CAR107	5.00	a			6264425.62	2239881.52	5.00	0.00
						6264715.47	2239879.44	5.00	0.00
						6264715.47	2239843.20	5.00	0.00
						6264424.37	2239851.12	5.00	0.00
AREASOURCE	CAR108	5.00	a			6264385.64	2239811.55	5.00	0.00
						6264714.64	2239811.14	5.00	0.00
						6264712.14	2239776.57	5.00	0.00
						6264384.39	2239779.90	5.00	0.00
AREASOURCE	CAR109	5.00	a			6264383.97	2239749.09	5.00	0.00
						6264712.14	2239742.84	5.00	0.00
						6264713.39	2239713.27	5.00	0.00
						6264383.14	2239716.60	5.00	0.00
AREASOURCE	CAR110	5.00	a			6264384.39	2239685.78	5.00	0.00
						6264709.22	2239683.70	5.00	0.00
						6264713.39	2239650.39	5.00	0.00
						6264384.80	2239656.22	5.00	0.00
AREASOURCE	CAR111	5.00	a			6264383.55	2239620.82	5.00	0.00
						6264710.47	2239621.23	5.00	0.00
						6264712.55	2239582.92	5.00	0.00
						6264382.30	2239589.17	5.00	0.00
AREASOURCE	DRY001	8.00	a			6261585.67	2243876.02	8.00	0.00
						6261832.75	2243868.74	8.00	0.00
						6262535.31	2243849.25	8.00	0.00
						6262500.40	2241930.52	8.00	0.00
						6262475.24	2241902.85	8.00	0.00
						6261818.62	2241928.00	8.00	0.00
						6261715.47	2241930.52	8.00	0.00
						6261637.48	2241917.94	8.00	0.00
						6261478.99	2241880.20	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6261381.57	2241858.91	8.00	0.00
						6261325.43	2242078.46	8.00	0.00
						6261301.04	2242198.65	8.00	0.00
						6261277.87	2242501.71	8.00	0.00
						6261278.62	2242848.75	8.00	0.00
						6261282.15	2243218.16	8.00	0.00
						6261288.35	2243360.14	8.00	0.00
						6261300.32	2243424.19	8.00	0.00
						6261333.50	2243522.68	8.00	0.00
						6261394.68	2243634.42	8.00	0.00
						6261502.67	2243772.73	8.00	0.00
AREASOURCE	DRY002	8.00	a			6262520.88	2243149.96	8.00	0.00
						6262532.63	2243849.89	8.00	0.00
						6262523.16	2243149.90	8.00	0.00
AREASOURCE	DRY003	8.00	a			6262606.60	2243846.62	8.00	0.00
						6262611.91	2244414.34	8.00	0.00
						6262651.20	2244446.42	8.00	0.00
						6263823.69	2244411.63	8.00	0.00
						6263847.16	2244393.40	8.00	0.00
						6263824.63	2241882.86	8.00	0.00
						6262601.03	2241905.36	8.00	0.00
						6262580.91	2241925.49	8.00	0.00
AREASOURCE	DRY004	8.00	a			6263998.39	2239719.51	8.00	0.00
						6264093.87	2239717.34	8.00	0.00
						6264093.87	2239736.87	8.00	0.00
						6264254.46	2239736.87	8.00	0.00
						6264280.50	2239710.83	8.00	0.00
						6264292.35	2239677.04	8.00	0.00
						6264234.88	2239619.57	8.00	0.00
						6264000.56	2239624.03	8.00	0.00
AREASOURCE	DRY005	8.00	a			6262873.73	2238851.19	8.00	0.00
						6263492.96	2238853.78	8.00	0.00
						6263492.96	2238808.93	8.00	0.00
						6262872.87	2238805.48	8.00	0.00
AREASOURCE	DRY006	8.00	a			6262853.90	2238996.08	8.00	0.00
						6263530.91	2238988.32	8.00	0.00
						6263530.91	2238931.39	8.00	0.00
						6262855.62	2238935.71	8.00	0.00
AREASOURCE	DRY007	8.00	a			6262889.26	2239708.45	8.00	0.00
						6263511.93	2239710.17	8.00	0.00
						6263511.07	2239655.84	8.00	0.00
						6262888.39	2239654.98	8.00	0.00
AREASOURCE	DRY008	8.00	a			6262864.25	2239573.04	8.00	0.00
						6263542.12	2239575.63	8.00	0.00
						6263543.84	2239562.70	8.00	0.00
						6263541.25	2239502.32	8.00	0.00
						6262861.66	2239512.67	8.00	0.00
AREASOURCE	DRY009	8.00	a			6263678.28	2240940.15	8.00	0.00
						6263713.00	2240940.15	8.00	0.00
						6263693.47	2239779.13	8.00	0.00
						6263660.92	2239779.13	8.00	0.00
AREASOURCE	DRY010	8.00	a			6263591.82	2240540.60	8.00	0.00
						6263629.31	2240538.82	8.00	0.00
						6263617.70	2239783.63	8.00	0.00
						6263579.32	2239783.63	8.00	0.00
AREASOURCE	DRY011	8.00	a			6263494.52	2240541.50	8.00	0.00
						6263565.04	2240539.71	8.00	0.00
						6263548.97	2239787.20	8.00	0.00
						6263479.34	2239785.42	8.00	0.00
AREASOURCE	DRY012	8.00	a			6263393.65	2240540.60	8.00	0.00
						6263459.70	2240539.71	8.00	0.00
						6263448.10	2239785.42	8.00	0.00
						6263381.15	2239785.42	8.00	0.00
AREASOURCE	DRY013	8.00	a			6262914.29	2240155.87	8.00	0.00
						6263045.51	2240154.08	8.00	0.00
						6263039.26	2239771.13	8.00	0.00
						6262908.93	2239773.81	8.00	0.00
AREASOURCE	DRY014	8.00	a			6262919.65	2240580.77	8.00	0.00
						6263052.65	2240578.99	8.00	0.00
						6263045.51	2240196.04	8.00	0.00
						6262916.97	2240196.93	8.00	0.00
AREASOURCE	DRY015	8.00	a			6262709.87	2240159.44	8.00	0.00
						6262843.77	2240157.65	8.00	0.00
						6262836.63	2239776.49	8.00	0.00
						6262709.87	2239778.27	8.00	0.00
AREASOURCE	DRY016	8.00	a			6262717.90	2240582.56	8.00	0.00
						6262850.91	2240579.88	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262844.66	2240200.50	8.00	0.00
						6262708.98	2240204.07	8.00	0.00
AREASOURCE	DRY017	8.00	a			6262587.58	2240628.08	8.00	0.00
						6262654.53	2240629.87	8.00	0.00
						6262640.24	2239749.71	8.00	0.00
						6262575.97	2239750.60	8.00	0.00
AREASOURCE	DRY018	8.00	a			6263253.69	2240559.29	8.00	0.00
						6263318.66	2240559.29	8.00	0.00
						6263308.24	2239780.54	8.00	0.00
						6263247.96	2239779.23	8.00	0.00
AREASOURCE	DRY019	8.00	a			6263186.55	2241034.11	8.00	0.00
						6263163.83	2239781.14	8.00	0.00
						6263103.38	2239784.01	8.00	0.00
						6263120.65	2241033.26	8.00	0.00
AREASOURCE	DRY020	8.00	a			6262935.34	2241332.68	8.00	0.00
						6263065.05	2241331.71	8.00	0.00
						6263058.23	2240816.75	8.00	0.00
						6262928.51	2240814.80	8.00	0.00
AREASOURCE	DRY021	8.00	a			6262942.16	2241773.52	8.00	0.00
						6263004.58	2241772.55	8.00	0.00
						6262997.76	2241389.25	8.00	0.00
						6262937.29	2241391.20	8.00	0.00
AREASOURCE	DRY022	8.00	a			6262733.45	2241331.71	8.00	0.00
						6262868.04	2241331.71	8.00	0.00
						6262856.34	2240812.84	8.00	0.00
						6262726.62	2240810.89	8.00	0.00
AREASOURCE	DRY023	8.00	a			6262741.25	2241724.76	8.00	0.00
						6262874.87	2241724.76	8.00	0.00
						6262868.04	2241378.52	8.00	0.00
						6262735.40	2241380.47	8.00	0.00
AREASOURCE	DRY024	8.00	a			6262611.53	2241770.60	8.00	0.00
						6262672.98	2241769.62	8.00	0.00
						6262655.42	2240774.81	8.00	0.00
						6262593.00	2240776.76	8.00	0.00
AREASOURCE	DRY025	8.00	a			6263041.14	2238787.01	8.00	0.00
						6263726.17	2238785.81	8.00	0.00
						6263726.17	2238730.82	8.00	0.00
						6263038.75	2238732.02	8.00	0.00
AREASOURCE	DRY026	8.00	a			6263124.51	2238591.66	8.00	0.00
						6263128.41	2238659.09	8.00	0.00
						6263636.51	2238656.70	8.00	0.00
						6263632.42	2238585.58	8.00	0.00
AREASOURCE	DRY027	8.00	a			6262400.95	2240612.62	8.00	0.00
						6262468.52	2240611.57	8.00	0.00
						6262464.30	2240547.16	8.00	0.00
						6262399.89	2240548.21	8.00	0.00
AREASOURCE	DRY028	8.00	a			6262308.03	2239648.60	8.00	0.00
						6262376.81	2239682.09	8.00	0.00
						6262406.23	2239630.65	8.00	0.00
						6262333.37	2239592.64	8.00	0.00
AREASOURCE	DRY029	8.00	a			6262270.02	2240123.75	8.00	0.00
						6262242.56	2240181.82	8.00	0.00
						6262380.88	2240248.34	8.00	0.00
						6262410.45	2240190.27	8.00	0.00
						6262367.16	2240164.93	8.00	0.00
AREASOURCE	DRY030	8.00	a			6262232.01	2240318.03	8.00	0.00
						6262403.45	2240398.77	8.00	0.00
						6262431.57	2240342.32	8.00	0.00
						6262266.85	2240261.01	8.00	0.00
AREASOURCE	DRY031	8.00	a			6261629.71	2241292.57	8.00	0.00
						6261676.73	2241310.07	8.00	0.00
						6261747.80	2241128.57	8.00	0.00
						6261730.30	2241120.92	8.00	0.00
						6261749.98	2241066.25	8.00	0.00
						6261711.72	2241053.13	8.00	0.00
AREASOURCE	DRY032	8.00	a			6262469.41	2241571.38	8.00	0.00
						6262462.85	2240912.09	8.00	0.00
						6262403.81	2240913.18	8.00	0.00
						6262411.46	2241572.47	8.00	0.00
AREASOURCE	DRY033	8.00	a			6262284.63	2241594.34	8.00	0.00
						6262348.05	2241593.25	8.00	0.00
						6262339.30	2240979.88	8.00	0.00
						6262325.09	2240976.60	8.00	0.00
						6262279.16	2240976.60	8.00	0.00
AREASOURCE	DRY034	8.00	a			6261869.16	2241601.99	8.00	0.00
						6261858.43	2240983.06	8.00	0.00
						6261794.81	2240984.25	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6261802.46	2241604.18	8.00	0.00
				6261818.86	2241601.99	8.00	0.00

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00019	x	0		45.00	a	6261818.86	2241709.14	45.00	0.00
									6262337.11	2241701.49	45.00	0.00
									6262334.93	2241593.25	45.00	0.00
									6262284.63	2241594.34	45.00	0.00
									6262279.16	2240976.60	45.00	0.00
									6262325.09	2240976.60	45.00	0.00
									6262326.18	2240836.65	45.00	0.00
									6261856.04	2240845.39	45.00	0.00
									6261869.16	2241601.99	45.00	0.00
									6261818.86	2241601.99	45.00	0.00
BUILDING			BUILDING00020	x	0		45.00	a	6262036.67	2240498.59	45.00	0.00
									6262302.75	2240630.57	45.00	0.00
									6262413.62	2240403.56	45.00	0.00
									6262232.01	2240318.03	45.00	0.00
									6262258.40	2240274.74	45.00	0.00
									6262069.40	2240181.82	45.00	0.00
									6261953.25	2240415.17	45.00	0.00
									6262051.45	2240466.91	45.00	0.00
BUILDING			BUILDING00021	x	0		45.00	a	6262092.63	2240087.85	45.00	0.00
									6262248.90	2240168.10	45.00	0.00
									6262270.02	2240123.75	45.00	0.00
									6262367.16	2240164.93	45.00	0.00
									6262406.23	2240086.79	45.00	0.00
									6262404.11	2239991.76	45.00	0.00
									6262188.71	2239886.18	45.00	0.00
BUILDING			BUILDING00022	x	0		45.00	a	6262234.12	2239796.43	45.00	0.00
									6262373.49	2239867.17	45.00	0.00
									6262399.89	2239818.60	45.00	0.00
									6262396.72	2239755.25	45.00	0.00
									6262359.77	2239736.24	45.00	0.00
									6262388.28	2239687.67	45.00	0.00
									6262308.03	2239648.60	45.00	0.00
BUILDING			BUILDING00023	x	0		45.00	a	6263015.11	2238643.76	45.00	0.00
									6263125.38	2238642.02	45.00	0.00
									6263124.51	2238591.66	45.00	0.00
									6263632.42	2238585.58	45.00	0.00
									6263633.29	2238632.47	45.00	0.00
									6263742.69	2238632.47	45.00	0.00
									6263734.01	2238172.31	45.00	0.00
									6263094.99	2238182.73	45.00	0.00
									6263010.77	2238307.75	45.00	0.00
BUILDING			BUILDING00024	x	0		45.00	a	6263188.69	2241151.98	45.00	0.00
									6263603.57	2241151.98	45.00	0.00
									6263599.75	2240559.29	45.00	0.00
									6263253.69	2240559.29	45.00	0.00
									6263247.96	2239779.23	45.00	0.00
									6263163.83	2239781.14	45.00	0.00
BUILDING			BUILDING00025	x	0		30.00	a	6262746.09	2239577.36	30.00	0.00
									6262864.25	2239573.04	30.00	0.00
									6262861.66	2239512.67	30.00	0.00
									6263541.25	2239502.32	30.00	0.00
									6263543.84	2239562.70	30.00	0.00
									6263648.20	2239558.38	30.00	0.00
									6263643.02	2238925.36	30.00	0.00
									6263530.91	2238931.39	30.00	0.00
									6263530.91	2238988.32	30.00	0.00
									6262853.90	2238996.08	30.00	0.00
									6262855.62	2238935.71	30.00	0.00
									6262735.74	2238936.57	30.00	0.00
									6262736.61	2238996.94	30.00	0.00
									6262727.12	2238996.94	30.00	0.00
BUILDING			BUILDING00026	x	0		30.00	a	6264398.46	2241634.77	30.00	0.00
									6264436.03	2241635.91	30.00	0.00
									6264447.42	2241621.11	30.00	0.00
									6264602.28	2241616.55	30.00	0.00
									6264595.45	2241393.37	30.00	0.00
									6264611.39	2241391.10	30.00	0.00
									6264605.69	2241036.97	30.00	0.00
									6264622.77	2241038.11	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264620.50	2240794.44	30.00	0.00
									6264640.99	2240794.44	30.00	0.00
									6264637.58	2240579.23	30.00	0.00
									6264391.63	2240579.23	30.00	0.00
									6264392.76	2240617.94	30.00	0.00
									6264422.37	2240617.94	30.00	0.00
									6264421.23	2240800.13	30.00	0.00
									6264400.74	2240798.99	30.00	0.00
									6264399.60	2241040.39	30.00	0.00
									6264425.79	2241039.25	30.00	0.00
									6264424.65	2241131.48	30.00	0.00
									6264397.32	2241132.62	30.00	0.00
									6264393.90	2241153.12	30.00	0.00
									6264473.61	2241155.39	30.00	0.00
									6264472.47	2241271.54	30.00	0.00
									6264425.79	2241272.68	30.00	0.00
									6264425.79	2241294.31	30.00	0.00
									6264405.29	2241295.45	30.00	0.00
									6264404.15	2241315.94	30.00	0.00
									6264433.76	2241315.94	30.00	0.00
									6264433.76	2241396.79	30.00	0.00
									6264454.25	2241388.82	30.00	0.00
									6264454.25	2241409.32	30.00	0.00
									6264477.03	2241425.26	30.00	0.00
									6264473.61	2241561.90	30.00	0.00
									6264398.46	2241565.31	30.00	0.00
BUILDING			BUILDING00027	x	0		30.00	a	6264785.60	2241714.48	30.00	0.00
									6264852.78	2241713.34	30.00	0.00
									6264850.51	2241643.88	30.00	0.00
									6264784.46	2241641.60	30.00	0.00
BUILDING			BUILDING00028	x	0		30.00	a	6264881.25	2241715.62	30.00	0.00
									6265024.72	2241714.48	30.00	0.00
									6265023.58	2241687.15	30.00	0.00
									6264999.67	2241655.27	30.00	0.00
									6264917.69	2241655.27	30.00	0.00
									6264897.19	2241642.74	30.00	0.00
									6264880.11	2241641.60	30.00	0.00
BUILDING			BUILDING00029	x	0		30.00	a	6265019.03	2241619.97	30.00	0.00
									6265081.66	2241622.25	30.00	0.00
									6265077.10	2241532.29	30.00	0.00
									6265006.50	2241531.15	30.00	0.00
									6265006.50	2241561.90	30.00	0.00
									6265022.45	2241560.76	30.00	0.00
BUILDING			BUILDING00030	x	0		30.00	a	6264767.38	2241609.72	30.00	0.00
									6264822.04	2241608.58	30.00	0.00
									6264820.90	2241544.82	30.00	0.00
									6264766.25	2241547.09	30.00	0.00
BUILDING			BUILDING00031	x	0		30.00	a	6264844.81	2241612.00	30.00	0.00
									6264875.56	2241608.58	30.00	0.00
									6264885.81	2241592.64	30.00	0.00
									6264894.92	2241588.09	30.00	0.00
									6264915.41	2241586.95	30.00	0.00
									6264915.41	2241544.82	30.00	0.00
									6264845.95	2241544.82	30.00	0.00
BUILDING			BUILDING00032	x	0		30.00	a	6264983.73	2241260.15	30.00	0.00
									6265056.61	2241260.15	30.00	0.00
									6265061.16	2241235.10	30.00	0.00
									6264983.73	2241235.10	30.00	0.00
BUILDING			BUILDING00033	x	0		30.00	a	6264981.45	2241128.07	30.00	0.00
									6265058.88	2241125.79	30.00	0.00
									6265058.88	2241006.23	30.00	0.00
									6264996.26	2241003.95	30.00	0.00
									6264996.26	2241103.01	30.00	0.00
									6264981.45	2241105.29	30.00	0.00
BUILDING			BUILDING00034	x	0		30.00	a	6264986.01	2240603.14	30.00	0.00
									6265066.85	2240599.73	30.00	0.00
									6265067.99	2240523.43	30.00	0.00
									6264984.87	2240524.57	30.00	0.00
									6264982.59	2240532.54	30.00	0.00
									6264972.34	2240530.27	30.00	0.00
									6264973.48	2240582.65	30.00	0.00
									6264987.15	2240579.23	30.00	0.00
BUILDING			BUILDING00035	x	0		30.00	a	6263946.30	2240147.03	30.00	0.00
									6264030.94	2240144.86	30.00	0.00
									6264030.94	2240183.92	30.00	0.00
									6264185.02	2240179.58	30.00	0.00
									6264189.36	2240138.35	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264254.46	2240140.52	30.00	0.00
									6264289.19	2240112.31	30.00	0.00
									6264280.50	2239875.76	30.00	0.00
									6264323.91	2239871.42	30.00	0.00
									6264326.08	2239706.49	30.00	0.00
									6264280.50	2239710.83	30.00	0.00
									6264254.46	2239736.87	30.00	0.00
									6264093.87	2239736.87	30.00	0.00
									6264093.87	2239717.34	30.00	0.00
									6263998.39	2239719.51	30.00	0.00
									6264000.56	2239624.03	30.00	0.00
									6263944.13	2239626.20	30.00	0.00
BUILDING			BUILDING00036	x	0		30.00	a	6264970.61	2240352.32	30.00	0.00
									6265026.60	2240349.72	30.00	0.00
									6265022.69	2240255.97	30.00	0.00
									6264969.31	2240259.88	30.00	0.00
BUILDING			BUILDING00037	x	0		30.00	a	6264966.70	2240115.35	30.00	0.00
									6265022.69	2240115.35	30.00	0.00
									6265018.79	2240025.50	30.00	0.00
									6264961.49	2240024.20	30.00	0.00
BUILDING			BUILDING00038	x	0		30.00	a	6264975.83	2239763.78	30.00	0.00
									6265024.21	2239759.38	30.00	0.00
									6265027.50	2239551.58	30.00	0.00
									6264973.63	2239554.88	30.00	0.00

APPENDIX 9.5:

PHASE 2, WITHOUT OVERLAY - OPERATIONAL NOISE CALCULATIONS (LMAX)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-02.cna
Date: 05.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (#(Unit,LEN))	**2000.01**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (#(Unit,LEN))	**999.99**
Min. Length of Section (#(Unit,LEN))	**1.01**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**100.00**
Search Radius Rcvr	**100.00**
Max. Distance Source - Rcvr	**1000.00 1000.00**
Min. Distance Rvcr - Reflector	**1.00 1.00**
Min. Distance Source - Reflector	**0.10**
Industrial (ISO 9613)	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (#(Unit,TEMP))	**10**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (#(Unit,SPEED))	**3.0**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	52.4	52.1	58.8	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	50.6	50.4	57.0	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	55.0	54.8	61.4	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	51.8	51.6	58.3	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	51.6	51.4	58.1	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	54.5	54.4	61.0	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	57.3	57.2	63.9	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	52.3	52.2	58.9	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	62.0	62.0	68.6	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC001	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264905.42	2241692.52	35.00
POINTSOURCE		AC002	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265010.64	2241700.48	35.00
POINTSOURCE		AC003	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264840.43	2241652.73	35.00
POINTSOURCE		AC004	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264800.19	2241697.39	35.00
POINTSOURCE		AC005	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264238.09	2239948.49	35.00
POINTSOURCE		AC006	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263998.41	2239941.89	35.00
POINTSOURCE		AC007	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263995.11	2239780.27	35.00
POINTSOURCE		AC008	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264240.29	2239790.16	35.00
POINTSOURCE		AC009	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264239.19	2240096.91	35.00
POINTSOURCE		AC010	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263995.11	2240098.01	35.00
POINTSOURCE		AC011	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265005.74	2240043.36	35.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC012	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264975.30	2240103.77	35.00
POINTSOURCE		AC013	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265009.95	2240275.15	35.00
POINTSOURCE		AC014	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264982.79	2240338.84	35.00
POINTSOURCE		AC015	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265005.66	2240539.89	35.00
POINTSOURCE		AC016	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265045.25	2240582.25	35.00
POINTSOURCE		AC017	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264445.25	2240602.39	35.00
POINTSOURCE		AC018	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264615.39	2240764.19	35.00
POINTSOURCE		AC019	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264430.66	2240829.47	35.00
POINTSOURCE		AC020	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264596.64	2241010.03	35.00
POINTSOURCE		AC021	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264443.86	2241057.94	35.00
POINTSOURCE		AC022	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264589.00	2241141.28	35.00
POINTSOURCE		AC023	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264496.64	2241178.78	35.00
POINTSOURCE		AC024	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264590.39	2241247.53	35.00
POINTSOURCE		AC025	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264475.11	2241304.47	35.00
POINTSOURCE		AC026	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264585.52	2241368.36	35.00
POINTSOURCE		AC027	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264498.02	2241419.05	35.00
POINTSOURCE		AC028	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264574.41	2241464.89	35.00
POINTSOURCE		AC029	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264572.33	2241513.50	35.00
POINTSOURCE		AC030	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264571.64	2241589.19	35.00
POINTSOURCE		AC031	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264507.75	2241591.28	35.00
POINTSOURCE		AC032	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264451.50	2241581.55	35.00
POINTSOURCE		AC033	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264418.16	2241619.75	35.00
POINTSOURCE		AC034	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265016.77	2241022.53	35.00
POINTSOURCE		AC035	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265044.55	2241106.55	35.00
POINTSOURCE		AC036	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265004.27	2241248.92	35.00
POINTSOURCE		AC037	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264786.22	2241560.03	35.00
POINTSOURCE		AC038	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264807.05	2241596.14	35.00
POINTSOURCE		AC039	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264860.52	2241589.19	35.00
POINTSOURCE		AC040	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6264899.41	2241555.17	35.00
POINTSOURCE		AC041	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265036.91	2241546.14	35.00
POINTSOURCE		AC042	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6265061.22	2241602.39	35.00
POINTSOURCE		AC043	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263560.23	2239034.89	35.00
POINTSOURCE		AC044	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263621.46	2238967.62	35.00
POINTSOURCE		AC045	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263574.03	2239474.73	35.00
POINTSOURCE		AC046	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263634.40	2239542.86	35.00
POINTSOURCE		AC047	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262813.36	2239025.40	35.00
POINTSOURCE		AC048	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262768.52	2238965.89	35.00
POINTSOURCE		AC049	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262833.20	2239494.56	35.00
POINTSOURCE		AC050	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262780.59	2239545.45	35.00
POINTSOURCE		AC051	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263236.00	2240627.65	50.00
POINTSOURCE		AC052	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263402.67	2240619.84	50.00
POINTSOURCE		AC053	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263540.69	2240617.24	50.00
POINTSOURCE		AC054	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263397.46	2241083.38	50.00
POINTSOURCE		AC055	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263545.90	2241085.99	50.00
POINTSOURCE		AC056	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263249.02	2241093.80	50.00
POINTSOURCE		AC057	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263658.03	2238259.79	50.00
POINTSOURCE		AC058	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263714.21	2238205.99	50.00
POINTSOURCE		AC059	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263092.54	2238257.39	50.00
POINTSOURCE		AC060	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6263147.54	2238205.99	50.00
POINTSOURCE		AC061	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262336.83	2239819.15	50.00
POINTSOURCE		AC062	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262364.61	2239835.64	50.00
POINTSOURCE		AC063	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262238.74	2239934.60	50.00
POINTSOURCE		AC064	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262198.81	2239914.63	50.00
POINTSOURCE		AC065	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262036.48	2240431.13	50.00
POINTSOURCE		AC066	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261987.00	2240409.42	50.00
POINTSOURCE		AC067	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262249.64	2240949.26	50.00
POINTSOURCE		AC068	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262303.22	2240895.69	50.00
POINTSOURCE		AC069	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262259.48	2241619.49	50.00
POINTSOURCE		AC070	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6262311.96	2241676.34	50.00
POINTSOURCE		AC071	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261894.31	2241628.23	50.00
POINTSOURCE		AC072	89.4	89.4	89.4	Lw	89.4		585.00	0.00	252.00	5.00	g	6261846.20	2241680.71	50.00
POINTSOURCE		DT01	86.5	86.5	86.5	Lw	86.5		900.00	0.00	270.00	3.00	a	6265083.50	2241059.12	3.00
POINTSOURCE		DT02	86.5	86.5	86.5	Lw	86.5		900.00	0.00	270.00	3.00	a	6265022.01	2241213.96	3.00
POINTSOURCE		GAS01	86.1	86.1	86.1	Lw	86.1					5.00	a	6264923.06	2239575.77	5.00
POINTSOURCE		GAS02	86.1	86.1	86.1	Lw	86.1					5.00	a	6264838.40	2239574.67	5.00
POINTSOURCE		GAS03	86.1	86.1	86.1	Lw	86.1					5.00	a	6264923.06	2239615.35	5.00
POINTSOURCE		GAS04	86.1	86.1	86.1	Lw	86.1					5.00	a	6264839.50	2239614.25	5.00
POINTSOURCE		GAS05	86.1	86.1	86.1	Lw	86.1					5.00	a	6264925.25	2239651.63	5.00
POINTSOURCE		GAS06	86.1	86.1	86.1	Lw	86.1					5.00	a	6264840.60	2239650.53	5.00
POINTSOURCE		GAS07	86.1	86.1	86.1	Lw	86.1					5.00	a	6264925.25	2239695.61	5.00
POINTSOURCE		GAS08	86.1	86.1	86.1	Lw	86.1					5.00	a	6264839.50	2239694.51	5.00
POINTSOURCE		GAS09	86.1	86.1	86.1	Lw	86.1					5.00	a	6264927.45	2239731.89	5.00
POINTSOURCE		GAS10	86.1	86.1	86.1	Lw	86.1					5.00	a	6264840.60	2239735.19	5.00
POINTSOURCE		TRASH01	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262454.10	2241589.97	5.00
POINTSOURCE		TRASH02	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262445.35	2240895.69	5.00
POINTSOURCE		TRASH03	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6261841.82	2240960.20	5.00
POINTSOURCE		TRASH04	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262200.33	2240231.45	5.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		TRASH05	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262226.73	2240169.15	5.00
POINTSOURCE		TRASH06	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262342.87	2239573.63	5.00
POINTSOURCE		TRASH07	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262385.03	2239732.73	5.00
POINTSOURCE		TRASH08	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263105.70	2238656.70	5.00
POINTSOURCE		TRASH09	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263652.05	2238657.89	5.00
POINTSOURCE		TRASH10	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262867.69	2239694.65	5.00
POINTSOURCE		TRASH11	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263530.04	2239695.51	5.00
POINTSOURCE		TRASH12	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6262850.45	2238816.69	5.00
POINTSOURCE		TRASH13	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6263514.52	2238816.69	5.00
POINTSOURCE		TRASH14	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264390.39	2240655.17	5.00
POINTSOURCE		TRASH15	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264342.47	2241025.30	5.00
POINTSOURCE		TRASH16	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264352.89	2241540.58	5.00
POINTSOURCE		TRASH17	102.8	102.8	102.8	Lw	102.8		900.00	0.00	270.00	5.00	a	6264353.58	2241254.47	5.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)	
LINESOURCE		TRUCK01	91.4	91.4	91.4	64.6	64.6	64.6	Lw	91.4									8	a
LINESOURCE		TRUCK02	91.4	91.4	91.4	69.1	69.1	69.1	Lw	91.4									8	a
LINESOURCE		TRUCK03	91.4	91.4	91.4	69.7	69.7	69.7	Lw	91.4									8	a
LINESOURCE		TRUCK04	91.4	91.4	91.4	75.8	75.8	75.8	Lw	91.4									8	a
LINESOURCE		TRUCK05	91.4	91.4	91.4	68.4	68.4	68.4	Lw	91.4									8	a
LINESOURCE		TRUCK06	91.4	91.4	91.4	76.9	76.9	76.9	Lw	91.4									8	a
LINESOURCE		TRUCK07	91.4	91.4	91.4	66.8	66.8	66.8	Lw	91.4									8	a
LINESOURCE		TRUCK08	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4									8	a
LINESOURCE		TRUCK09	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4									8	a
LINESOURCE		TRUCK10	91.4	91.4	91.4	66.4	66.4	66.4	Lw	91.4									8	a
LINESOURCE		TRUCK11	91.4	91.4	91.4	62.7	62.7	62.7	Lw	91.4									8	a
LINESOURCE		TRUCK12	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4									8	a
LINESOURCE		TRUCK13	91.4	91.4	91.4	65.4	65.4	65.4	Lw	91.4									8	a
LINESOURCE		TRUCK14	91.4	91.4	91.4	64.6	64.6	64.6	Lw	91.4									8	a
LINESOURCE		TRUCK15	91.4	91.4	91.4	66.7	66.7	66.7	Lw	91.4									8	a
LINESOURCE		TRUCK16	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4									8	a
LINESOURCE		TRUCK17	91.4	91.4	91.4	63.0	63.0	63.0	Lw	91.4									8	a
LINESOURCE		TRUCK18	91.4	91.4	91.4	67.3	67.3	67.3	Lw	91.4									8	a
LINESOURCE		TRUCK19	91.4	91.4	91.4	70.5	70.5	70.5	Lw	91.4									8	a
LINESOURCE		TRUCK20	91.4	91.4	91.4	67.7	67.7	67.7	Lw	91.4									8	a
LINESOURCE		TRUCK21	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4									8	a
LINESOURCE		TRUCK22	91.4	91.4	91.4	67.7	67.7	67.7	Lw	91.4									8	a
LINESOURCE		TRUCK23	91.4	91.4	91.4	67.6	67.6	67.6	Lw	91.4									8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK01	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261771.48	2240997.61	8.00	0.00
						6261776.46	2240964.20	8.00	0.00
						6261783.50	2240931.17	8.00	0.00
						6261792.58	2240898.63	8.00	0.00
						6261803.65	2240866.72	8.00	0.00
						6261816.68	2240835.55	8.00	0.00
						6261818.62	2240828.59	8.00	0.00
						6261821.68	2240822.05	8.00	0.00
						6261825.76	2240816.08	8.00	0.00
						6261830.77	2240810.86	8.00	0.00
						6261836.55	2240806.53	8.00	0.00
						6261842.96	2240803.20	8.00	0.00
						6261849.84	2240800.96	8.00	0.00
						6261856.98	2240799.87	8.00	0.00
						6261864.21	2240799.96	8.00	0.00
						6261871.32	2240801.23	8.00	0.00
						6261878.14	2240803.64	8.00	0.00
						6261884.46	2240807.13	8.00	0.00
						6261904.69	2240810.69	8.00	0.00
						6261925.20	2240811.79	8.00	0.00
						6261945.69	2240810.41	8.00	0.00
						6262339.30	2240804.94	8.00	0.00
						6262349.90	2240810.37	8.00	0.00
						6262359.50	2240817.42	8.00	0.00
						6262367.86	2240825.90	8.00	0.00
						6262374.76	2240835.60	8.00	0.00
						6262380.04	2240846.28	8.00	0.00
						6262383.56	2240857.66	8.00	0.00
						6262385.22	2240869.45	8.00	0.00
						6262396.50	2241595.48	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK02	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261764.20	2241591.06	8.00	0.00
LINESOURCE	TRUCK03	8.00	a			6261573.68	2241317.56	8.00	0.00
						6261586.66	2241320.74	8.00	0.00
						6261599.05	2241325.77	8.00	0.00
						6261610.57	2241332.56	8.00	0.00
						6261620.98	2241340.95	8.00	0.00
						6261630.06	2241350.77	8.00	0.00
						6261637.61	2241361.80	8.00	0.00
						6261642.51	2241373.96	8.00	0.00
						6261645.65	2241386.68	8.00	0.00
						6261646.99	2241399.72	8.00	0.00
						6261646.48	2241412.82	8.00	0.00
						6261644.15	2241425.72	8.00	0.00
						6261640.03	2241438.16	8.00	0.00
						6261593.37	2241570.27	8.00	0.00
						6261591.12	2241583.75	8.00	0.00
						6261591.04	2241597.41	8.00	0.00
						6261593.16	2241610.90	8.00	0.00
						6261597.41	2241623.89	8.00	0.00
						6261603.67	2241636.03	8.00	0.00
						6261611.84	2241646.50	8.00	0.00
						6261621.62	2241655.50	8.00	0.00
						6261632.73	2241662.78	8.00	0.00
						6261644.88	2241668.15	8.00	0.00
						6261656.69	2241670.20	8.00	0.00
						6261668.67	2241670.39	8.00	0.00
						6261680.53	2241668.72	8.00	0.00
						6261691.99	2241665.21	8.00	0.00
						6261702.76	2241659.96	8.00	0.00
LINESOURCE	TRUCK04	8.00	a			6261702.76	2241659.96	8.00	0.00
						6261719.25	2241642.50	8.00	0.00
						6261733.81	2241623.40	8.00	0.00
						6261746.28	2241602.87	8.00	0.00
						6261756.54	2241581.15	8.00	0.00
						6261764.45	2241558.47	8.00	0.00
LINESOURCE	TRUCK05	8.00	a			6262438.39	2240524.88	8.00	0.00
						6262442.73	2240311.33	8.00	0.00
						6262051.24	2240112.55	8.00	0.00
LINESOURCE	TRUCK06	8.00	a			6262325.89	2239523.77	8.00	0.00
						6262406.28	2239569.15	8.00	0.00
LINESOURCE	TRUCK07	8.00	a			6263714.21	2238693.76	8.00	0.00
						6263042.33	2238699.74	8.00	0.00
						6263013.77	2238701.93	8.00	0.00
						6262985.13	2238701.72	8.00	0.00
						6262956.61	2238699.09	8.00	0.00
						6262928.40	2238694.08	8.00	0.00
						6262900.72	2238686.70	8.00	0.00
						6262873.77	2238677.02	8.00	0.00
						6262784.91	2238619.90	8.00	0.00
LINESOURCE	TRUCK08	8.00	a			6263527.46	2238890.86	8.00	0.00
						6262767.65	2238890.86	8.00	0.00
						6262755.83	2238890.36	8.00	0.00
						6262744.08	2238891.75	8.00	0.00
						6262732.70	2238894.99	8.00	0.00
						6262721.98	2238900.01	8.00	0.00
						6262712.21	2238906.68	8.00	0.00
						6262703.62	2238914.82	8.00	0.00
						6262696.44	2238924.23	8.00	0.00
						6262690.85	2238934.66	8.00	0.00
						6262687.00	2238945.85	8.00	0.00
						6262684.99	2238957.51	8.00	0.00
						6262684.86	2238969.34	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
LINESOURCE	TRUCK09	8.00	a			6263538.67	2239623.07	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
						6262619.31	2239606.68	8.00	0.00
						6262611.03	2239605.28	8.00	0.00
						6262603.10	2239602.52	8.00	0.00
						6262595.74	2239598.46	8.00	0.00
						6262589.16	2239593.23	8.00	0.00
						6262583.56	2239586.97	8.00	0.00
						6262579.09	2239579.86	8.00	0.00
						6262575.87	2239572.10	8.00	0.00
						6262574.00	2239563.91	8.00	0.00
						6262573.53	2239555.52	8.00	0.00
						6262574.47	2239547.17	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262577.06	2239483.35	8.00	0.00
						6262633.98	2239236.70	8.00	0.00
						6262631.39	2239114.23	8.00	0.00
						6262627.14	2239099.52	8.00	0.00
						6262620.95	2239085.51	8.00	0.00
						6262612.94	2239072.45	8.00	0.00
						6262603.26	2239060.58	8.00	0.00
						6262592.08	2239050.12	8.00	0.00
						6262579.59	2239041.25	8.00	0.00
						6262566.03	2239034.13	8.00	0.00
LINESOURCE	TRUCK10	8.00	a			6264294.28	2239583.54	8.00	0.00
						6263922.20	2239586.30	8.00	0.00
						6263926.79	2240128.35	8.00	0.00
						6263928.63	2240201.85	8.00	0.00
						6263867.99	2240203.69	8.00	0.00
LINESOURCE	TRUCK11	8.00	a			6263827.07	2241825.51	8.00	0.00
						6261719.13	2241877.13	8.00	0.00
						6261680.77	2241870.12	8.00	0.00
						6261642.76	2241861.39	8.00	0.00
						6261605.18	2241850.95	8.00	0.00
						6261568.12	2241838.83	8.00	0.00
						6261531.63	2241825.05	8.00	0.00
						6261408.36	2241782.10	8.00	0.00
LINESOURCE	TRUCK12	8.00	a			6262537.55	2241857.09	8.00	0.00
						6262563.06	2243848.54	8.00	0.00
LINESOURCE	TRUCK13	8.00	a			6261796.42	2240673.25	8.00	0.00
						6261907.12	2240704.76	8.00	0.00
						6262018.91	2240714.07	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
LINESOURCE	TRUCK14	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262710.16	2241746.29	8.00	0.00
						6262691.53	2240783.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
LINESOURCE	TRUCK15	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262888.91	2240780.23	8.00	0.00
LINESOURCE	TRUCK16	8.00	a			6262702.52	2241351.47	8.00	0.00
						6263103.29	2241355.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
						6263075.35	2239758.25	8.00	0.00
LINESOURCE	TRUCK17	8.00	a			6263092.16	2240600.34	8.00	0.00
						6262676.62	2240607.87	8.00	0.00
						6262674.76	2239761.98	8.00	0.00
						6263667.84	2239748.94	8.00	0.00
LINESOURCE	TRUCK18	8.00	a			6262883.61	2240604.12	8.00	0.00
						6262872.10	2239759.39	8.00	0.00
LINESOURCE	TRUCK19	8.00	a			6262675.67	2240173.76	8.00	0.00
						6263083.71	2240177.23	8.00	0.00
LINESOURCE	TRUCK20	8.00	a			6263360.42	2240522.16	8.00	0.00
						6263349.12	2239753.12	8.00	0.00
LINESOURCE	TRUCK21	8.00	a			6263641.76	2241008.46	8.00	0.00
						6263643.68	2239749.25	8.00	0.00
LINESOURCE	TRUCK22	8.00	a			6263477.67	2240522.63	8.00	0.00
						6263462.05	2239751.80	8.00	0.00
LINESOURCE	TRUCK23	8.00	a			6263578.37	2240533.05	8.00	0.00
						6263562.74	2239753.53	8.00	0.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR001	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR002	91.4	91.4	91.4	65.0	65.0	65.0	Lw	91.4					5	a
AREASOURCE		CAR003	91.4	91.4	91.4	62.0	62.0	62.0	Lw	91.4					5	a
AREASOURCE		CAR004	91.4	91.4	91.4	70.2	70.2	70.2	Lw	91.4					5	a
AREASOURCE		CAR005	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR006	91.4	91.4	91.4	65.8	65.8	65.8	Lw	91.4					5	a
AREASOURCE		CAR007	91.4	91.4	91.4	68.3	68.3	68.3	Lw	91.4					5	a
AREASOURCE		CAR008	91.4	91.4	91.4	67.4	67.4	67.4	Lw	91.4					5	a
AREASOURCE		CAR009	91.4	91.4	91.4	68.4	68.4	68.4	Lw	91.4					5	a
AREASOURCE		CAR010	91.4	91.4	91.4	70.6	70.6	70.6	Lw	91.4					5	a
AREASOURCE		CAR011	91.4	91.4	91.4	74.0	74.0	74.0	Lw	91.4					5	a
AREASOURCE		CAR012	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR013	91.4	91.4	91.4	66.6	66.6	66.6	Lw	91.4					5	a
AREASOURCE		CAR014	91.4	91.4	91.4	66.7	66.7	66.7	Lw	91.4					5	a
AREASOURCE		CAR015	91.4	91.4	91.4	75.2	75.2	75.2	Lw	91.4					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR016	91.4	91.4	91.4	61.5	61.5	61.5	Lw	91.4					5	a
AREASOURCE		CAR017	91.4	91.4	91.4	75.0	75.0	75.0	Lw	91.4					5	a
AREASOURCE		CAR018	91.4	91.4	91.4	70.3	70.3	70.3	Lw	91.4					5	a
AREASOURCE		CAR019	91.4	91.4	91.4	71.8	71.8	71.8	Lw	91.4					5	a
AREASOURCE		CAR020	91.4	91.4	91.4	65.3	65.3	65.3	Lw	91.4					5	a
AREASOURCE		CAR021	91.4	91.4	91.4	72.1	72.1	72.1	Lw	91.4					5	a
AREASOURCE		CAR022	91.4	91.4	91.4	68.5	68.5	68.5	Lw	91.4					5	a
AREASOURCE		CAR023	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR024	91.4	91.4	91.4	74.9	74.9	74.9	Lw	91.4					5	a
AREASOURCE		CAR025	91.4	91.4	91.4	67.9	67.9	67.9	Lw	91.4					5	a
AREASOURCE		CAR026	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR027	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR028	91.4	91.4	91.4	63.1	63.1	63.1	Lw	91.4					5	a
AREASOURCE		CAR029	91.4	91.4	91.4	63.7	63.7	63.7	Lw	91.4					5	a
AREASOURCE		CAR030	91.4	91.4	91.4	60.4	60.4	60.4	Lw	91.4					5	a
AREASOURCE		CAR031	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR032	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR033	91.4	91.4	91.4	60.3	60.3	60.3	Lw	91.4					5	a
AREASOURCE		CAR034	91.4	91.4	91.4	69.9	69.9	69.9	Lw	91.4					5	a
AREASOURCE		CAR035	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR036	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR037	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR038	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR039	91.4	91.4	91.4	60.5	60.5	60.5	Lw	91.4					5	a
AREASOURCE		CAR040	91.4	91.4	91.4	63.3	63.3	63.3	Lw	91.4					5	a
AREASOURCE		CAR041	91.4	91.4	91.4	62.8	62.8	62.8	Lw	91.4					5	a
AREASOURCE		CAR042	91.4	91.4	91.4	74.5	74.5	74.5	Lw	91.4					5	a
AREASOURCE		CAR043	91.4	91.4	91.4	57.1	57.1	57.1	Lw	91.4					5	a
AREASOURCE		CAR044	91.4	91.4	91.4	59.2	59.2	59.2	Lw	91.4					5	a
AREASOURCE		CAR045	91.4	91.4	91.4	65.0	65.0	65.0	Lw	91.4					5	a
AREASOURCE		CAR046	91.4	91.4	91.4	65.3	65.3	65.3	Lw	91.4					5	a
AREASOURCE		CAR047	91.4	91.4	91.4	63.1	63.1	63.1	Lw	91.4					5	a
AREASOURCE		CAR048	91.4	91.4	91.4	63.0	63.0	63.0	Lw	91.4					5	a
AREASOURCE		CAR049	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR050	91.4	91.4	91.4	63.8	63.8	63.8	Lw	91.4					5	a
AREASOURCE		CAR051	91.4	91.4	91.4	67.1	67.1	67.1	Lw	91.4					5	a
AREASOURCE		CAR052	91.4	91.4	91.4	63.7	63.7	63.7	Lw	91.4					5	a
AREASOURCE		CAR053	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR054	91.4	91.4	91.4	64.7	64.7	64.7	Lw	91.4					5	a
AREASOURCE		CAR055	91.4	91.4	91.4	65.5	65.5	65.5	Lw	91.4					5	a
AREASOURCE		CAR056	91.4	91.4	91.4	63.8	63.8	63.8	Lw	91.4					5	a
AREASOURCE		CAR057	91.4	91.4	91.4	63.3	63.3	63.3	Lw	91.4					5	a
AREASOURCE		CAR058	91.4	91.4	91.4	63.4	63.4	63.4	Lw	91.4					5	a
AREASOURCE		CAR059	91.4	91.4	91.4	63.6	63.6	63.6	Lw	91.4					5	a
AREASOURCE		CAR060	91.4	91.4	91.4	69.7	69.7	69.7	Lw	91.4					5	a
AREASOURCE		CAR061	91.4	91.4	91.4	69.6	69.6	69.6	Lw	91.4					5	a
AREASOURCE		CAR062	91.4	91.4	91.4	67.5	67.5	67.5	Lw	91.4					5	a
AREASOURCE		CAR063	91.4	91.4	91.4	65.2	65.2	65.2	Lw	91.4					5	a
AREASOURCE		CAR064	91.4	91.4	91.4	68.1	68.1	68.1	Lw	91.4					5	a
AREASOURCE		CAR065	91.4	91.4	91.4	68.2	68.2	68.2	Lw	91.4					5	a
AREASOURCE		CAR066	91.4	91.4	91.4	68.8	68.8	68.8	Lw	91.4					5	a
AREASOURCE		CAR067	91.4	91.4	91.4	63.5	63.5	63.5	Lw	91.4					5	a
AREASOURCE		CAR068	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR069	91.4	91.4	91.4	64.8	64.8	64.8	Lw	91.4					5	a
AREASOURCE		CAR070	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR071	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR072	91.4	91.4	91.4	63.5	63.5	63.5	Lw	91.4					5	a
AREASOURCE		CAR073	91.4	91.4	91.4	68.3	68.3	68.3	Lw	91.4					5	a
AREASOURCE		CAR074	91.4	91.4	91.4	69.2	69.2	69.2	Lw	91.4					5	a
AREASOURCE		CAR075	91.4	91.4	91.4	70.0	70.0	70.0	Lw	91.4					5	a
AREASOURCE		CAR076	91.4	91.4	91.4	63.9	63.9	63.9	Lw	91.4					5	a
AREASOURCE		CAR077	91.4	91.4	91.4	66.0	66.0	66.0	Lw	91.4					5	a
AREASOURCE		CAR078	91.4	91.4	91.4	66.2	66.2	66.2	Lw	91.4					5	a
AREASOURCE		CAR079	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR080	91.4	91.4	91.4	66.3	66.3	66.3	Lw	91.4					5	a
AREASOURCE		CAR081	91.4	91.4	91.4	66.5	66.5	66.5	Lw	91.4					5	a
AREASOURCE		CAR082	91.4	91.4	91.4	66.3	66.3	66.3	Lw	91.4					5	a
AREASOURCE		CAR083	91.4	91.4	91.4	66.9	66.9	66.9	Lw	91.4					5	a
AREASOURCE		CAR084	91.4	91.4	91.4	64.1	64.1	64.1	Lw	91.4					5	a
AREASOURCE		CAR085	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4					5	a
AREASOURCE		CAR086	91.4	91.4	91.4	65.9	65.9	65.9	Lw	91.4					5	a
AREASOURCE		CAR087	91.4	91.4	91.4	66.2	66.2	66.2	Lw	91.4					5	a
AREASOURCE		CAR088	91.4	91.4	91.4	67.4	67.4	67.4	Lw	91.4					5	a
AREASOURCE		CAR089	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR090	91.4	91.4	91.4	66.1	66.1	66.1	Lw	91.4					5	a
AREASOURCE		CAR091	91.4	91.4	91.4	65.7	65.7	65.7	Lw	91.4					5	a
AREASOURCE		CAR092	91.4	91.4	91.4	69.3	69.3	69.3	Lw	91.4					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR093	91.4	91.4	91.4	68.5	68.5	68.5	Lw	91.4					5	a
AREASOURCE		CAR094	91.4	91.4	91.4	70.6	70.6	70.6	Lw	91.4					5	a
AREASOURCE		CAR095	91.4	91.4	91.4	67.2	67.2	67.2	Lw	91.4					5	a
AREASOURCE		CAR096	91.4	91.4	91.4	67.8	67.8	67.8	Lw	91.4					5	a
AREASOURCE		CAR097	91.4	91.4	91.4	65.5	65.5	65.5	Lw	91.4					5	a
AREASOURCE		CAR098	91.4	91.4	91.4	65.6	65.6	65.6	Lw	91.4					5	a
AREASOURCE		CAR099	91.4	91.4	91.4	64.4	64.4	64.4	Lw	91.4					5	a
AREASOURCE		CAR100	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR101	91.4	91.4	91.4	60.7	60.7	60.7	Lw	91.4					5	a
AREASOURCE		CAR102	91.4	91.4	91.4	60.0	60.0	60.0	Lw	91.4					5	a
AREASOURCE		CAR103	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR104	91.4	91.4	91.4	64.3	64.3	64.3	Lw	91.4					5	a
AREASOURCE		CAR105	91.4	91.4	91.4	64.8	64.8	64.8	Lw	91.4					5	a
AREASOURCE		CAR106	91.4	91.4	91.4	69.0	69.0	69.0	Lw	91.4					5	a
AREASOURCE		CAR107	91.4	91.4	91.4	61.9	61.9	61.9	Lw	91.4					5	a
AREASOURCE		CAR108	91.4	91.4	91.4	61.4	61.4	61.4	Lw	91.4					5	a
AREASOURCE		CAR109	91.4	91.4	91.4	61.6	61.6	61.6	Lw	91.4					5	a
AREASOURCE		CAR110	91.4	91.4	91.4	61.6	61.6	61.6	Lw	91.4					5	a
AREASOURCE		CAR111	91.4	91.4	91.4	61.1	61.1	61.1	Lw	91.4					5	a
AREASOURCE		DRY001	111.6	111.6	111.6	59.3	59.3	59.3	Lw	111.6					8	a
AREASOURCE		DRY002	111.6	111.6	111.6	92.9	92.9	92.9	Lw	111.6					8	a
AREASOURCE		DRY003	111.6	111.6	111.6	57.0	57.0	57.0	Lw	111.6					8	a
AREASOURCE		DRY004	111.6	111.6	111.6	77.2	77.2	77.2	Lw	111.6					8	a
AREASOURCE		DRY005	111.6	111.6	111.6	77.4	77.4	77.4	Lw	111.6					8	a
AREASOURCE		DRY006	111.6	111.6	111.6	75.9	75.9	75.9	Lw	111.6					8	a
AREASOURCE		DRY007	111.6	111.6	111.6	76.7	76.7	76.7	Lw	111.6					8	a
AREASOURCE		DRY008	111.6	111.6	111.6	75.3	75.3	75.3	Lw	111.6					8	a
AREASOURCE		DRY009	111.6	111.6	111.6	76.0	76.0	76.0	Lw	111.6					8	a
AREASOURCE		DRY010	111.6	111.6	111.6	77.3	77.3	77.3	Lw	111.6					8	a
AREASOURCE		DRY011	111.6	111.6	111.6	74.7	74.7	74.7	Lw	111.6					8	a
AREASOURCE		DRY012	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY013	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY014	111.6	111.6	111.6	74.9	74.9	74.9	Lw	111.6					8	a
AREASOURCE		DRY015	111.6	111.6	111.6	75.0	75.0	75.0	Lw	111.6					8	a
AREASOURCE		DRY016	111.6	111.6	111.6	74.8	74.8	74.8	Lw	111.6					8	a
AREASOURCE		DRY017	111.6	111.6	111.6	74.3	74.3	74.3	Lw	111.6					8	a
AREASOURCE		DRY018	111.6	111.6	111.6	75.0	75.0	75.0	Lw	111.6					8	a
AREASOURCE		DRY019	111.6	111.6	111.6	72.9	72.9	72.9	Lw	111.6					8	a
AREASOURCE		DRY020	111.6	111.6	111.6	73.7	73.7	73.7	Lw	111.6					8	a
AREASOURCE		DRY021	111.6	111.6	111.6	78.2	78.2	78.2	Lw	111.6					8	a
AREASOURCE		DRY022	111.6	111.6	111.6	73.6	73.6	73.6	Lw	111.6					8	a
AREASOURCE		DRY023	111.6	111.6	111.6	75.3	75.3	75.3	Lw	111.6					8	a
AREASOURCE		DRY024	111.6	111.6	111.6	74.0	74.0	74.0	Lw	111.6					8	a
AREASOURCE		DRY025	111.6	111.6	111.6	76.2	76.2	76.2	Lw	111.6					8	a
AREASOURCE		DRY026	111.6	111.6	111.6	76.5	76.5	76.5	Lw	111.6					8	a
AREASOURCE		DRY027	111.6	111.6	111.6	85.6	85.6	85.6	Lw	111.6					8	a
AREASOURCE		DRY028	111.6	111.6	111.6	85.1	85.1	85.1	Lw	111.6					8	a
AREASOURCE		DRY029	111.6	111.6	111.6	81.8	81.8	81.8	Lw	111.6					8	a
AREASOURCE		DRY030	111.6	111.6	111.6	81.1	81.1	81.1	Lw	111.6					8	a
AREASOURCE		DRY031	111.6	111.6	111.6	80.8	80.8	80.8	Lw	111.6					8	a
AREASOURCE		DRY032	111.6	111.6	111.6	76.1	76.1	76.1	Lw	111.6					8	a
AREASOURCE		DRY033	111.6	111.6	111.6	76.1	76.1	76.1	Lw	111.6					8	a
AREASOURCE		DRY034	111.6	111.6	111.6	75.9	75.9	75.9	Lw	111.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR001	5.00	a			6261833.96	2241791.77	5.00	0.00
						6262050.31	2241789.35	5.00	0.00
						6262049.40	2241772.08	5.00	0.00
						6261833.66	2241774.20	5.00	0.00
AREASOURCE	CAR002	5.00	a			6262096.37	2241787.53	5.00	0.00
						6262377.86	2241784.50	5.00	0.00
						6262377.56	2241767.84	5.00	0.00
						6262096.06	2241771.17	5.00	0.00
AREASOURCE	CAR003	5.00	a			6261856.08	2241744.81	5.00	0.00
						6262377.26	2241739.05	5.00	0.00
						6262376.35	2241721.78	5.00	0.00
						6261855.78	2241726.32	5.00	0.00
AREASOURCE	CAR004	5.00	a			6262376.95	2241712.08	5.00	0.00
						6262392.71	2241711.48	5.00	0.00
						6262391.80	2241620.88	5.00	0.00
						6262376.35	2241620.88	5.00	0.00
AREASOURCE	CAR005	5.00	a			6262438.16	2241782.99	5.00	0.00
						6262435.13	2241620.57	5.00	0.00
						6262419.98	2241619.97	5.00	0.00
						6262423.01	2241783.59	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR006	5.00	a			6261869.22	2240625.84	5.00	0.00
						6261927.78	2240637.36	5.00	0.00
						6261979.30	2240642.48	5.00	0.00
						6262037.54	2240642.16	5.00	0.00
						6262097.06	2240642.48	5.00	0.00
						6262096.42	2240625.52	5.00	0.00
						6261988.26	2240625.52	5.00	0.00
						6261930.34	2240620.40	5.00	0.00
						6261872.10	2240608.56	5.00	0.00
AREASOURCE	CAR007	5.00	a			6261924.90	2240572.72	5.00	0.00
						6261921.70	2240590.64	5.00	0.00
						6261977.70	2240596.72	5.00	0.00
						6261990.18	2240597.68	5.00	0.00
						6262049.38	2240598.00	5.00	0.00
						6262048.74	2240580.08	5.00	0.00
						6261982.50	2240580.40	5.00	0.00
AREASOURCE	CAR008	5.00	a			6262090.98	2240594.80	5.00	0.00
						6262098.98	2240580.08	5.00	0.00
						6262026.34	2240542.64	5.00	0.00
						6261992.10	2240523.44	5.00	0.00
						6261971.30	2240501.36	5.00	0.00
						6261960.10	2240513.52	5.00	0.00
						6261979.62	2240534.96	5.00	0.00
						6261986.98	2240542.32	5.00	0.00
						6262018.02	2240558.32	5.00	0.00
AREASOURCE	CAR009	5.00	a			6261866.66	2240600.88	5.00	0.00
						6261922.02	2240486.64	5.00	0.00
						6261906.02	2240480.24	5.00	0.00
						6261851.30	2240593.20	5.00	0.00
AREASOURCE	CAR010	5.00	a			6261941.22	2240452.40	5.00	0.00
						6262001.38	2240482.16	5.00	0.00
						6262010.98	2240465.20	5.00	0.00
						6261947.62	2240435.12	5.00	0.00
AREASOURCE	CAR011	5.00	a			6262381.73	2240151.35	5.00	0.00
						6262372.78	2240168.22	5.00	0.00
						6262397.71	2240182.81	5.00	0.00
						6262408.55	2240165.22	5.00	0.00
AREASOURCE	CAR012	5.00	a			6262438.15	2240191.58	5.00	0.00
						6262455.73	2240191.58	5.00	0.00
						6262448.33	2239815.58	5.00	0.00
						6262431.22	2239816.04	5.00	0.00
AREASOURCE	CAR013	5.00	a			6262371.55	2239956.17	5.00	0.00
						6262378.49	2239940.91	5.00	0.00
						6262209.22	2239856.28	5.00	0.00
						6262201.82	2239872.46	5.00	0.00
AREASOURCE	CAR014	5.00	a			6262376.64	2239899.29	5.00	0.00
						6262385.43	2239883.56	5.00	0.00
						6262232.34	2239805.86	5.00	0.00
						6262223.56	2239822.51	5.00	0.00
AREASOURCE	CAR015	5.00	a			6262401.15	2239878.48	5.00	0.00
						6262400.69	2239851.65	5.00	0.00
						6262384.36	2239851.96	5.00	0.00
						6262384.10	2239879.04	5.00	0.00
AREASOURCE	CAR016	5.00	a			6263161.59	2238163.94	5.00	0.00
						6263729.58	2238163.94	5.00	0.00
						6263728.28	2238144.29	5.00	0.00
						6263161.59	2238146.48	5.00	0.00
AREASOURCE	CAR017	5.00	a			6263217.91	2238116.35	5.00	0.00
						6263246.73	2238116.79	5.00	0.00
						6263247.16	2238100.20	5.00	0.00
						6263219.66	2238099.76	5.00	0.00
AREASOURCE	CAR018	5.00	a			6263256.77	2238108.50	5.00	0.00
						6263272.92	2238108.06	5.00	0.00
						6263272.92	2238025.11	5.00	0.00
						6263255.02	2238027.29	5.00	0.00
AREASOURCE	CAR019	5.00	a			6263222.28	2238092.78	5.00	0.00
						6263250.65	2238048.25	5.00	0.00
						6263236.25	2238036.90	5.00	0.00
						6263207.00	2238083.61	5.00	0.00
AREASOURCE	CAR020	5.00	a			6263177.31	2238075.31	5.00	0.00
						6263317.89	2237865.76	5.00	0.00
						6263300.86	2237855.28	5.00	0.00
						6263165.08	2238066.15	5.00	0.00
AREASOURCE	CAR021	5.00	a			6263321.38	2237844.36	5.00	0.00
						6263321.38	2237861.83	5.00	0.00
						6263376.83	2237861.39	5.00	0.00
						6263375.95	2237845.67	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR022	5.00	a			6263387.74	2237870.56	5.00	0.00
						6263479.42	2237929.50	5.00	0.00
						6263489.46	2237914.22	5.00	0.00
						6263399.53	2237853.53	5.00	0.00
AREASOURCE	CAR023	5.00	a			6263534.87	2237962.68	5.00	0.00
						6263715.61	2238085.79	5.00	0.00
						6263726.53	2238070.08	5.00	0.00
						6263543.60	2237950.45	5.00	0.00
AREASOURCE	CAR024	5.00	a			6263652.31	2238107.19	5.00	0.00
						6263651.87	2238080.99	5.00	0.00
						6263633.97	2238080.55	5.00	0.00
						6263633.97	2238107.62	5.00	0.00
AREASOURCE	CAR025	5.00	a			6263605.60	2238108.06	5.00	0.00
						6263604.72	2238053.05	5.00	0.00
						6263585.51	2238053.92	5.00	0.00
						6263585.95	2238036.46	5.00	0.00
						6263567.18	2238035.15	5.00	0.00
						6263567.61	2238108.06	5.00	0.00
AREASOURCE	CAR026	5.00	a			6263539.24	2238108.50	5.00	0.00
						6263537.05	2238007.64	5.00	0.00
						6263517.41	2238007.21	5.00	0.00
						6263517.84	2237997.60	5.00	0.00
						6263500.38	2237999.35	5.00	0.00
						6263501.69	2238100.20	5.00	0.00
						6263519.15	2238098.89	5.00	0.00
						6263520.46	2238108.50	5.00	0.00
AREASOURCE	CAR027	5.00	a			6263434.46	2238108.50	5.00	0.00
						6263453.67	2238108.06	5.00	0.00
						6263453.67	2238100.64	5.00	0.00
						6263471.56	2238099.76	5.00	0.00
						6263470.69	2237963.55	5.00	0.00
						6263451.05	2237963.55	5.00	0.00
						6263452.36	2237954.38	5.00	0.00
						6263432.71	2237954.82	5.00	0.00
AREASOURCE	CAR028	5.00	a			6263368.97	2238107.62	5.00	0.00
						6263406.08	2238108.50	5.00	0.00
						6263402.58	2237916.40	5.00	0.00
						6263384.69	2237918.15	5.00	0.00
						6263384.69	2237908.54	5.00	0.00
						6263365.48	2237908.10	5.00	0.00
AREASOURCE	CAR029	5.00	a			6263302.61	2238108.50	5.00	0.00
						6263338.84	2238106.75	5.00	0.00
						6263337.10	2237926.44	5.00	0.00
						6263318.76	2237927.31	5.00	0.00
						6263317.89	2237944.78	5.00	0.00
						6263299.99	2237944.78	5.00	0.00
AREASOURCE	CAR030	5.00	a			6263206.20	2241722.79	5.00	0.00
						6263569.49	2241723.41	5.00	0.00
						6263569.49	2241686.21	5.00	0.00
						6263206.20	2241685.59	5.00	0.00
AREASOURCE	CAR031	5.00	a			6263205.58	2241659.56	5.00	0.00
						6263568.25	2241659.56	5.00	0.00
						6263567.63	2241622.98	5.00	0.00
						6263204.96	2241622.98	5.00	0.00
AREASOURCE	CAR032	5.00	a			6263203.10	2241595.70	5.00	0.00
						6263566.39	2241596.94	5.00	0.00
						6263567.01	2241559.13	5.00	0.00
						6263202.48	2241560.37	5.00	0.00
AREASOURCE	CAR033	5.00	a			6263201.86	2241534.33	5.00	0.00
						6263565.77	2241532.47	5.00	0.00
						6263565.77	2241494.65	5.00	0.00
						6263203.10	2241496.51	5.00	0.00
AREASOURCE	CAR034	5.00	a			6263149.79	2241650.88	5.00	0.00
						6263170.87	2241649.64	5.00	0.00
						6263171.49	2241578.34	5.00	0.00
						6263150.41	2241578.34	5.00	0.00
AREASOURCE	CAR035	5.00	a			6263148.55	2241524.41	5.00	0.00
						6263167.15	2241522.55	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263142.97	2241244.82	5.00	0.00
AREASOURCE	CAR036	5.00	a			6263202.48	2241469.23	5.00	0.00
						6263565.77	2241469.85	5.00	0.00
						6263563.91	2241433.28	5.00	0.00
						6263201.86	2241432.66	5.00	0.00
AREASOURCE	CAR037	5.00	a			6263201.24	2241405.38	5.00	0.00
						6263563.29	2241406.62	5.00	0.00
						6263564.53	2241368.80	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263201.24	2241369.42	5.00	0.00
AREASOURCE	CAR038	5.00	a			6263200.62	2241341.53	5.00	0.00
						6263561.43	2241343.39	5.00	0.00
						6263562.67	2241305.57	5.00	0.00
						6263200.62	2241306.19	5.00	0.00
AREASOURCE	CAR039	5.00	a			6263200.00	2241278.29	5.00	0.00
						6263561.43	2241280.15	5.00	0.00
						6263560.81	2241243.58	5.00	0.00
						6263200.00	2241241.72	5.00	0.00
AREASOURCE	CAR040	5.00	a			6263600.48	2241523.17	5.00	0.00
						6263622.80	2241523.79	5.00	0.00
						6263617.84	2241217.54	5.00	0.00
						6263594.90	2241219.40	5.00	0.00
AREASOURCE	CAR041	5.00	a			6263161.57	2241215.68	5.00	0.00
						6263596.33	2241214.62	5.00	0.00
						6263597.20	2241197.70	5.00	0.00
						6263161.87	2241196.40	5.00	0.00
AREASOURCE	CAR042	5.00	a			6263142.97	2241244.82	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263161.57	2241215.68	5.00	0.00
						6263143.21	2241216.36	5.00	0.00
AREASOURCE	CAR043	5.00	a			6263697.77	2239646.90	5.00	0.00
						6263735.80	2239646.14	5.00	0.00
						6263721.35	2238869.70	5.00	0.00
						6263684.84	2238869.70	5.00	0.00
AREASOURCE	CAR044	5.00	a			6263758.61	2239658.31	5.00	0.00
						6263782.18	2239655.27	5.00	0.00
						6263767.74	2238861.33	5.00	0.00
						6263746.44	2238862.85	5.00	0.00
AREASOURCE	CAR045	5.00	a			6264438.31	2241650.71	5.00	0.00
						6264436.03	2241675.76	5.00	0.00
						6264631.88	2241673.49	5.00	0.00
						6264629.61	2241649.57	5.00	0.00
AREASOURCE	CAR046	5.00	a			6264619.36	2241614.27	5.00	0.00
						6264640.99	2241615.41	5.00	0.00
						6264638.30	2241407.25	5.00	0.00
						6264617.47	2241406.55	5.00	0.00
AREASOURCE	CAR047	5.00	a			6264678.58	2241475.30	5.00	0.00
						6264896.64	2241472.53	5.00	0.00
						6264897.33	2241438.50	5.00	0.00
						6264679.27	2241441.97	5.00	0.00
AREASOURCE	CAR048	5.00	a			6264678.58	2241414.19	5.00	0.00
						6264898.02	2241414.19	5.00	0.00
						6264896.64	2241378.08	5.00	0.00
						6264678.58	2241382.25	5.00	0.00
AREASOURCE	CAR049	5.00	a			6264939.00	2241457.94	5.00	0.00
						6264969.55	2241457.25	5.00	0.00
						6264967.47	2241330.17	5.00	0.00
						6264938.30	2241326.69	5.00	0.00
AREASOURCE	CAR050	5.00	a			6264996.64	2241463.50	5.00	0.00
						6265042.47	2241462.80	5.00	0.00
						6265039.00	2241326.69	5.00	0.00
						6264994.55	2241323.92	5.00	0.00
AREASOURCE	CAR051	5.00	a			6265066.77	2241460.72	5.00	0.00
						6265088.30	2241460.03	5.00	0.00
						6265084.14	2241323.92	5.00	0.00
						6265063.30	2241323.92	5.00	0.00
AREASOURCE	CAR052	5.00	a			6264682.75	2241348.22	5.00	0.00
						6264889.69	2241346.83	5.00	0.00
						6264887.61	2241315.58	5.00	0.00
						6264680.66	2241317.67	5.00	0.00
AREASOURCE	CAR053	5.00	a			6264684.83	2241287.11	5.00	0.00
						6264861.22	2241289.89	5.00	0.00
						6264861.22	2241251.69	5.00	0.00
						6264682.05	2241252.39	5.00	0.00
AREASOURCE	CAR054	5.00	a			6264679.97	2241230.86	5.00	0.00
						6264909.83	2241229.47	5.00	0.00
						6264912.61	2241209.33	5.00	0.00
						6264677.19	2241207.94	5.00	0.00
AREASOURCE	CAR055	5.00	a			6264676.50	2241155.86	5.00	0.00
						6264906.36	2241157.94	5.00	0.00
						6264907.05	2241137.80	5.00	0.00
						6264675.80	2241139.89	5.00	0.00
AREASOURCE	CAR056	5.00	a			6264682.75	2241107.94	5.00	0.00
						6264908.44	2241109.33	5.00	0.00
						6264909.14	2241079.47	5.00	0.00
						6264682.75	2241082.94	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR057	5.00	a			6264693.16	2241049.61	5.00	0.00
						6264908.44	2241051.00	5.00	0.00
						6264909.83	2241018.36	5.00	0.00
						6264689.69	2241018.36	5.00	0.00
AREASOURCE	CAR058	5.00	a			6264694.55	2240987.80	5.00	0.00
						6264907.75	2240988.50	5.00	0.00
						6264907.75	2240954.47	5.00	0.00
						6264696.64	2240957.25	5.00	0.00
AREASOURCE	CAR059	5.00	a			6264689.00	2240924.61	5.00	0.00
						6264913.30	2240921.14	5.00	0.00
						6264911.22	2240890.58	5.00	0.00
						6264690.39	2240896.83	5.00	0.00
AREASOURCE	CAR060	5.00	a			6264952.19	2241098.92	5.00	0.00
						6264973.72	2241098.92	5.00	0.00
						6264973.72	2241026.69	5.00	0.00
						6264951.50	2241025.30	5.00	0.00
AREASOURCE	CAR061	5.00	a			6264979.27	2241290.58	5.00	0.00
						6265061.22	2241289.89	5.00	0.00
						6265059.83	2241269.75	5.00	0.00
						6264981.36	2241269.75	5.00	0.00
AREASOURCE	CAR062	5.00	a			6264962.61	2240969.05	5.00	0.00
						6265080.66	2240969.75	5.00	0.00
						6265080.66	2240944.75	5.00	0.00
						6264962.61	2240948.92	5.00	0.00
AREASOURCE	CAR063	5.00	a			6265057.05	2240746.83	5.00	0.00
						6265061.91	2240933.64	5.00	0.00
						6265082.75	2240931.55	5.00	0.00
						6265084.14	2240744.75	5.00	0.00
AREASOURCE	CAR064	5.00	a			6264961.91	2240920.44	5.00	0.00
						6265032.05	2240922.53	5.00	0.00
						6265030.66	2240885.72	5.00	0.00
						6264965.39	2240889.89	5.00	0.00
AREASOURCE	CAR065	5.00	a			6264962.61	2240860.72	5.00	0.00
						6265027.19	2240860.72	5.00	0.00
						6265029.27	2240826.69	5.00	0.00
						6264959.83	2240827.39	5.00	0.00
AREASOURCE	CAR066	5.00	a			6264966.77	2240737.11	5.00	0.00
						6265057.05	2240746.83	5.00	0.00
						6265059.83	2240720.44	5.00	0.00
						6264965.39	2240721.14	5.00	0.00
AREASOURCE	CAR067	5.00	a			6264702.19	2240866.97	5.00	0.00
						6264906.36	2240863.50	5.00	0.00
						6264906.36	2240829.47	5.00	0.00
						6264701.50	2240835.72	5.00	0.00
AREASOURCE	CAR068	5.00	a			6264701.50	2240804.47	5.00	0.00
						6264909.83	2240803.78	5.00	0.00
						6264909.14	2240771.83	5.00	0.00
						6264700.80	2240778.78	5.00	0.00
AREASOURCE	CAR069	5.00	a			6264703.58	2240748.22	5.00	0.00
						6264906.36	2240748.92	5.00	0.00
						6264905.66	2240722.53	5.00	0.00
						6264702.89	2240726.00	5.00	0.00
AREASOURCE	CAR070	5.00	a			6264720.94	2240695.44	5.00	0.00
						6264902.19	2240697.53	5.00	0.00
						6264902.89	2240662.80	5.00	0.00
						6264723.72	2240662.80	5.00	0.00
AREASOURCE	CAR071	5.00	a			6264711.22	2240630.86	5.00	0.00
						6264902.19	2240630.17	5.00	0.00
						6264904.27	2240597.53	5.00	0.00
						6264711.91	2240599.61	5.00	0.00
AREASOURCE	CAR072	5.00	a			6264707.75	2240571.83	5.00	0.00
						6264904.27	2240569.75	5.00	0.00
						6264902.19	2240535.72	5.00	0.00
						6264709.14	2240537.11	5.00	0.00
AREASOURCE	CAR073	5.00	a			6264960.52	2240694.75	5.00	0.00
						6265034.83	2240688.50	5.00	0.00
						6265037.61	2240660.72	5.00	0.00
						6264964.69	2240662.11	5.00	0.00
AREASOURCE	CAR074	5.00	a			6264968.86	2240798.92	5.00	0.00
						6265033.44	2240798.22	5.00	0.00
						6265034.14	2240771.14	5.00	0.00
						6264966.77	2240771.83	5.00	0.00
AREASOURCE	CAR075	5.00	a			6264979.27	2240628.78	5.00	0.00
						6265071.64	2240628.08	5.00	0.00
						6265067.47	2240610.03	5.00	0.00
						6264979.27	2240614.19	5.00	0.00
AREASOURCE	CAR076	5.00	a			6264386.22	2240519.75	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6264636.91	2240519.05	5.00	0.00
						6264637.61	2240495.44	5.00	0.00
						6264386.91	2240494.75	5.00	0.00
AREASOURCE	CAR077	5.00	a			6263912.96	2240345.45	5.00	0.00
						6263947.52	2240345.87	5.00	0.00
						6263946.69	2240230.09	5.00	0.00
						6263916.71	2240228.43	5.00	0.00
AREASOURCE	CAR078	5.00	a			6263978.76	2240344.20	5.00	0.00
						6264010.83	2240342.53	5.00	0.00
						6264008.74	2240225.93	5.00	0.00
						6263979.59	2240227.59	5.00	0.00
AREASOURCE	CAR079	5.00	a			6264042.89	2240342.95	5.00	0.00
						6264078.29	2240344.62	5.00	0.00
						6264076.21	2240230.92	5.00	0.00
						6264042.89	2240233.01	5.00	0.00
AREASOURCE	CAR080	5.00	a			6264109.53	2240344.20	5.00	0.00
						6264142.01	2240344.62	5.00	0.00
						6264139.51	2240233.84	5.00	0.00
						6264108.28	2240234.26	5.00	0.00
AREASOURCE	CAR081	5.00	a			6264172.83	2240342.95	5.00	0.00
						6264202.40	2240343.78	5.00	0.00
						6264201.56	2240231.34	5.00	0.00
						6264171.99	2240231.34	5.00	0.00
AREASOURCE	CAR082	5.00	a			6264236.13	2240342.12	5.00	0.00
						6264267.78	2240342.12	5.00	0.00
						6264261.53	2240225.51	5.00	0.00
						6264233.21	2240225.09	5.00	0.00
AREASOURCE	CAR083	5.00	a			6264298.60	2240339.62	5.00	0.00
						6264324.83	2240339.20	5.00	0.00
						6264326.08	2240227.59	5.00	0.00
						6264297.76	2240226.76	5.00	0.00
AREASOURCE	CAR084	5.00	a			6264375.64	2240331.71	5.00	0.00
						6264415.20	2240331.71	5.00	0.00
						6264413.96	2240186.36	5.00	0.00
						6264373.98	2240186.36	5.00	0.00
AREASOURCE	CAR085	5.00	a			6264446.86	2240322.55	5.00	0.00
						6264477.67	2240322.96	5.00	0.00
						6264474.76	2240193.44	5.00	0.00
						6264442.27	2240190.53	5.00	0.00
AREASOURCE	CAR086	5.00	a			6264508.07	2240316.30	5.00	0.00
						6264539.31	2240317.55	5.00	0.00
						6264541.39	2240195.53	5.00	0.00
						6264509.74	2240193.03	5.00	0.00
AREASOURCE	CAR087	5.00	a			6264570.54	2240314.22	5.00	0.00
						6264600.53	2240314.22	5.00	0.00
						6264603.44	2240191.78	5.00	0.00
						6264575.12	2240190.95	5.00	0.00
AREASOURCE	CAR088	5.00	a			6264633.84	2240315.05	5.00	0.00
						6264658.41	2240315.05	5.00	0.00
						6264655.08	2240194.69	5.00	0.00
						6264635.09	2240192.61	5.00	0.00
AREASOURCE	CAR089	5.00	a			6264735.46	2240315.05	5.00	0.00
						6264733.38	2240183.03	5.00	0.00
						6264714.64	2240182.20	5.00	0.00
						6264717.14	2240313.80	5.00	0.00
AREASOURCE	CAR090	5.00	a			6264782.10	2240330.46	5.00	0.00
						6264888.71	2240331.71	5.00	0.00
						6264888.30	2240296.72	5.00	0.00
						6264784.18	2240295.89	5.00	0.00
AREASOURCE	CAR091	5.00	a			6264780.85	2240264.24	5.00	0.00
						6264885.38	2240262.58	5.00	0.00
						6264887.47	2240224.26	5.00	0.00
						6264778.35	2240228.01	5.00	0.00
AREASOURCE	CAR092	5.00	a			6264782.94	2240193.86	5.00	0.00
						6264886.63	2240194.28	5.00	0.00
						6264887.47	2240177.20	5.00	0.00
						6264782.10	2240177.20	5.00	0.00
AREASOURCE	CAR093	5.00	a			6264929.11	2240360.86	5.00	0.00
						6264949.10	2240360.86	5.00	0.00
						6264947.85	2240253.83	5.00	0.00
						6264928.69	2240253.83	5.00	0.00
AREASOURCE	CAR094	5.00	a			6265020.31	2240221.76	5.00	0.00
						6265041.55	2240220.51	5.00	0.00
						6265039.89	2240158.46	5.00	0.00
						6265019.07	2240160.13	5.00	0.00
AREASOURCE	CAR095	5.00	a			6264780.02	2240145.55	5.00	0.00
						6264885.80	2240144.72	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6264883.72	2240114.73	5.00	0.00
						6264785.02	2240119.73	5.00	0.00
AREASOURCE	CAR096	5.00	a			6264929.94	2240124.31	5.00	0.00
						6264951.60	2240124.73	5.00	0.00
						6264949.93	2240006.87	5.00	0.00
						6264929.11	2240007.70	5.00	0.00
AREASOURCE	CAR097	5.00	a			6264766.28	2240078.09	5.00	0.00
						6264887.05	2240081.00	5.00	0.00
						6264887.88	2240042.27	5.00	0.00
						6264768.78	2240046.43	5.00	0.00
AREASOURCE	CAR098	5.00	a			6264782.94	2240015.20	5.00	0.00
						6264883.30	2240013.12	5.00	0.00
						6264883.72	2239972.72	5.00	0.00
						6264781.69	2239975.64	5.00	0.00
AREASOURCE	CAR099	5.00	a			6264385.64	2240121.40	5.00	0.00
						6264668.41	2240115.98	5.00	0.00
						6264668.41	2240098.91	5.00	0.00
						6264386.47	2240100.57	5.00	0.00
AREASOURCE	CAR100	5.00	a			6264386.05	2240071.01	5.00	0.00
						6264688.40	2240069.34	5.00	0.00
						6264691.73	2240055.18	5.00	0.00
						6264711.30	2240050.18	5.00	0.00
						6264710.06	2240036.44	5.00	0.00
						6264385.22	2240042.69	5.00	0.00
AREASOURCE	CAR101	5.00	a			6264385.64	2240010.62	5.00	0.00
						6264718.38	2240011.04	5.00	0.00
						6264717.14	2239972.72	5.00	0.00
						6264385.22	2239972.72	5.00	0.00
AREASOURCE	CAR102	5.00	a			6263899.22	2240387.93	5.00	0.00
						6264651.75	2240386.26	5.00	0.00
						6264650.09	2240363.77	5.00	0.00
						6263894.63	2240370.85	5.00	0.00
AREASOURCE	CAR103	5.00	a			6264384.80	2239942.74	5.00	0.00
						6264716.72	2239941.90	5.00	0.00
						6264714.22	2239911.09	5.00	0.00
						6264386.47	2239915.67	5.00	0.00
AREASOURCE	CAR104	5.00	a			6264784.18	2239941.90	5.00	0.00
						6264969.92	2239941.90	5.00	0.00
						6264970.34	2239911.50	5.00	0.00
						6264782.52	2239913.59	5.00	0.00
AREASOURCE	CAR105	5.00	a			6264783.77	2239879.85	5.00	0.00
						6265010.74	2239875.27	5.00	0.00
						6265011.99	2239854.45	5.00	0.00
						6264782.94	2239857.78	5.00	0.00
AREASOURCE	CAR106	5.00	a			6265015.32	2239976.47	5.00	0.00
						6265034.89	2239973.56	5.00	0.00
						6265029.89	2239879.85	5.00	0.00
						6265010.32	2239882.35	5.00	0.00
AREASOURCE	CAR107	5.00	a			6264425.62	2239881.52	5.00	0.00
						6264715.47	2239879.44	5.00	0.00
						6264715.47	2239843.20	5.00	0.00
						6264424.37	2239851.12	5.00	0.00
AREASOURCE	CAR108	5.00	a			6264385.64	2239811.55	5.00	0.00
						6264714.64	2239811.14	5.00	0.00
						6264712.14	2239776.57	5.00	0.00
						6264384.39	2239779.90	5.00	0.00
AREASOURCE	CAR109	5.00	a			6264383.97	2239749.09	5.00	0.00
						6264712.14	2239742.84	5.00	0.00
						6264713.39	2239713.27	5.00	0.00
						6264383.14	2239716.60	5.00	0.00
AREASOURCE	CAR110	5.00	a			6264384.39	2239685.78	5.00	0.00
						6264709.22	2239683.70	5.00	0.00
						6264713.39	2239650.39	5.00	0.00
						6264384.80	2239656.22	5.00	0.00
AREASOURCE	CAR111	5.00	a			6264383.55	2239620.82	5.00	0.00
						6264710.47	2239621.23	5.00	0.00
						6264712.55	2239582.92	5.00	0.00
						6264382.30	2239589.17	5.00	0.00
AREASOURCE	DRY001	8.00	a			6261585.67	2243876.02	8.00	0.00
						6261832.75	2243868.74	8.00	0.00
						6261826.66	2243168.18	8.00	0.00
						6262520.88	2243149.96	8.00	0.00
						6262500.40	2241930.52	8.00	0.00
						6262475.24	2241902.85	8.00	0.00
						6261818.62	2241928.00	8.00	0.00
						6261715.47	2241930.52	8.00	0.00
						6261637.48	2241917.94	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6261478.99	2241880.20	8.00	0.00
						6261381.57	2241858.91	8.00	0.00
						6261325.43	2242078.46	8.00	0.00
						6261301.04	2242198.65	8.00	0.00
						6261277.87	2242501.71	8.00	0.00
						6261278.62	2242848.75	8.00	0.00
						6261282.15	2243218.16	8.00	0.00
						6261288.35	2243360.14	8.00	0.00
						6261300.32	2243424.19	8.00	0.00
						6261333.50	2243522.68	8.00	0.00
						6261394.68	2243634.42	8.00	0.00
						6261502.67	2243772.73	8.00	0.00
AREASOURCE	DRY002	8.00	a			6262520.88	2243149.96	8.00	0.00
						6262532.63	2243849.89	8.00	0.00
						6262523.16	2243149.90	8.00	0.00
AREASOURCE	DRY003	8.00	a			6262606.60	2243846.62	8.00	0.00
						6262611.91	2244414.34	8.00	0.00
						6262651.20	2244446.42	8.00	0.00
						6263823.69	2244411.63	8.00	0.00
						6263847.16	2244393.40	8.00	0.00
						6263824.63	2241882.86	8.00	0.00
						6262601.03	2241905.36	8.00	0.00
						6262580.91	2241925.49	8.00	0.00
AREASOURCE	DRY004	8.00	a			6263998.39	2239719.51	8.00	0.00
						6264093.87	2239717.34	8.00	0.00
						6264093.87	2239736.87	8.00	0.00
						6264254.46	2239736.87	8.00	0.00
						6264280.50	2239710.83	8.00	0.00
						6264292.35	2239677.04	8.00	0.00
						6264234.88	2239619.57	8.00	0.00
						6264000.56	2239624.03	8.00	0.00
AREASOURCE	DRY005	8.00	a			6262873.73	2238851.19	8.00	0.00
						6263492.96	2238853.78	8.00	0.00
						6263492.96	2238808.93	8.00	0.00
						6262872.87	2238805.48	8.00	0.00
AREASOURCE	DRY006	8.00	a			6262853.90	2238996.08	8.00	0.00
						6263530.91	2238988.32	8.00	0.00
						6263530.91	2238931.39	8.00	0.00
						6262855.62	2238935.71	8.00	0.00
AREASOURCE	DRY007	8.00	a			6262889.26	2239708.45	8.00	0.00
						6263511.93	2239710.17	8.00	0.00
						6263511.07	2239655.84	8.00	0.00
						6262888.39	2239654.98	8.00	0.00
AREASOURCE	DRY008	8.00	a			6262864.25	2239573.04	8.00	0.00
						6263542.12	2239575.63	8.00	0.00
						6263543.84	2239562.70	8.00	0.00
						6263541.25	2239502.32	8.00	0.00
						6262861.66	2239512.67	8.00	0.00
AREASOURCE	DRY009	8.00	a			6263678.28	2240940.15	8.00	0.00
						6263713.00	2240940.15	8.00	0.00
						6263693.47	2239779.13	8.00	0.00
						6263660.92	2239779.13	8.00	0.00
AREASOURCE	DRY010	8.00	a			6263591.82	2240540.60	8.00	0.00
						6263629.31	2240538.82	8.00	0.00
						6263617.70	2239783.63	8.00	0.00
						6263579.32	2239783.63	8.00	0.00
AREASOURCE	DRY011	8.00	a			6263494.52	2240541.50	8.00	0.00
						6263565.04	2240539.71	8.00	0.00
						6263548.97	2239787.20	8.00	0.00
						6263479.34	2239785.42	8.00	0.00
AREASOURCE	DRY012	8.00	a			6263393.65	2240540.60	8.00	0.00
						6263459.70	2240539.71	8.00	0.00
						6263448.10	2239785.42	8.00	0.00
						6263381.15	2239785.42	8.00	0.00
AREASOURCE	DRY013	8.00	a			6262914.29	2240155.87	8.00	0.00
						6263045.51	2240154.08	8.00	0.00
						6263039.26	2239771.13	8.00	0.00
						6262908.93	2239773.81	8.00	0.00
AREASOURCE	DRY014	8.00	a			6262919.65	2240580.77	8.00	0.00
						6263052.65	2240578.99	8.00	0.00
						6263045.51	2240196.04	8.00	0.00
						6262916.97	2240196.93	8.00	0.00
AREASOURCE	DRY015	8.00	a			6262709.87	2240159.44	8.00	0.00
						6262843.77	2240157.65	8.00	0.00
						6262836.63	2239776.49	8.00	0.00
						6262709.87	2239778.27	8.00	0.00
AREASOURCE	DRY016	8.00	a			6262717.90	2240582.56	8.00	0.00

Name	ID	Height			Coordinates			
		Begin		End	x	y	z	Ground
		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)
					6262850.91	2240579.88	8.00	0.00
					6262844.66	2240200.50	8.00	0.00
					6262708.98	2240204.07	8.00	0.00
AREASOURCE	DRY017	8.00	a		6262587.58	2240628.08	8.00	0.00
					6262654.53	2240629.87	8.00	0.00
					6262640.24	2239749.71	8.00	0.00
					6262575.97	2239750.60	8.00	0.00
AREASOURCE	DRY018	8.00	a		6263253.69	2240559.29	8.00	0.00
					6263318.66	2240559.29	8.00	0.00
					6263308.24	2239780.54	8.00	0.00
					6263247.96	2239779.23	8.00	0.00
AREASOURCE	DRY019	8.00	a		6263186.55	2241034.11	8.00	0.00
					6263163.83	2239781.14	8.00	0.00
					6263103.38	2239784.01	8.00	0.00
					6263120.65	2241033.26	8.00	0.00
AREASOURCE	DRY020	8.00	a		6262935.34	2241332.68	8.00	0.00
					6263065.05	2241331.71	8.00	0.00
					6263058.23	2240816.75	8.00	0.00
					6262928.51	2240814.80	8.00	0.00
AREASOURCE	DRY021	8.00	a		6262942.16	2241773.52	8.00	0.00
					6263004.58	2241772.55	8.00	0.00
					6262997.76	2241389.25	8.00	0.00
					6262937.29	2241391.20	8.00	0.00
AREASOURCE	DRY022	8.00	a		6262733.45	2241331.71	8.00	0.00
					6262868.04	2241331.71	8.00	0.00
					6262856.34	2240812.84	8.00	0.00
					6262726.62	2240810.89	8.00	0.00
AREASOURCE	DRY023	8.00	a		6262741.25	2241724.76	8.00	0.00
					6262874.87	2241724.76	8.00	0.00
					6262868.04	2241378.52	8.00	0.00
					6262735.40	2241380.47	8.00	0.00
AREASOURCE	DRY024	8.00	a		6262611.53	2241770.60	8.00	0.00
					6262672.98	2241769.62	8.00	0.00
					6262655.42	2240774.81	8.00	0.00
					6262593.00	2240776.76	8.00	0.00
AREASOURCE	DRY025	8.00	a		6263041.14	2238787.01	8.00	0.00
					6263726.17	2238785.81	8.00	0.00
					6263726.17	2238730.82	8.00	0.00
					6263038.75	2238732.02	8.00	0.00
AREASOURCE	DRY026	8.00	a		6263124.51	2238591.66	8.00	0.00
					6263128.41	2238659.09	8.00	0.00
					6263636.51	2238656.70	8.00	0.00
					6263632.42	2238585.58	8.00	0.00
AREASOURCE	DRY027	8.00	a		6262400.95	2240612.62	8.00	0.00
					6262468.52	2240611.57	8.00	0.00
					6262464.30	2240547.16	8.00	0.00
					6262399.89	2240548.21	8.00	0.00
AREASOURCE	DRY028	8.00	a		6262308.03	2239648.60	8.00	0.00
					6262376.81	2239682.09	8.00	0.00
					6262406.23	2239630.65	8.00	0.00
					6262333.37	2239592.64	8.00	0.00
AREASOURCE	DRY029	8.00	a		6262270.02	2240123.75	8.00	0.00
					6262242.56	2240181.82	8.00	0.00
					6262380.88	2240248.34	8.00	0.00
					6262410.45	2240190.27	8.00	0.00
					6262367.16	2240164.93	8.00	0.00
AREASOURCE	DRY030	8.00	a		6262232.01	2240318.03	8.00	0.00
					6262403.45	2240398.77	8.00	0.00
					6262431.57	2240342.32	8.00	0.00
					6262266.85	2240261.01	8.00	0.00
AREASOURCE	DRY031	8.00	a		6261629.71	2241292.57	8.00	0.00
					6261676.73	2241310.07	8.00	0.00
					6261747.80	2241128.57	8.00	0.00
					6261730.30	2241120.92	8.00	0.00
					6261749.98	2241066.25	8.00	0.00
					6261711.72	2241053.13	8.00	0.00
AREASOURCE	DRY032	8.00	a		6262469.41	2241571.38	8.00	0.00
					6262462.85	2240912.09	8.00	0.00
					6262403.81	2240913.18	8.00	0.00
					6262411.46	2241572.47	8.00	0.00
AREASOURCE	DRY033	8.00	a		6262284.63	2241594.34	8.00	0.00
					6262348.05	2241593.25	8.00	0.00
					6262339.30	2240979.88	8.00	0.00
					6262325.09	2240976.60	8.00	0.00
					6262279.16	2240976.60	8.00	0.00
AREASOURCE	DRY034	8.00	a		6261869.16	2241601.99	8.00	0.00
					6261858.43	2240983.06	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6261794.81	2240984.25	8.00	0.00
				6261802.46	2241604.18	8.00	0.00
				6261818.86	2241601.99	8.00	0.00

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00019	x	0		45.00	a	6261818.86	2241709.14	45.00	0.00
									6262337.11	2241701.49	45.00	0.00
									6262334.93	2241593.25	45.00	0.00
									6262284.63	2241594.34	45.00	0.00
									6262279.16	2240976.60	45.00	0.00
									6262325.09	2240976.60	45.00	0.00
									6262326.18	2240836.65	45.00	0.00
									6261856.04	2240845.39	45.00	0.00
									6261869.16	2241601.99	45.00	0.00
									6261818.86	2241601.99	45.00	0.00
BUILDING			BUILDING00020	x	0		45.00	a	6262036.67	2240498.59	45.00	0.00
									6262302.75	2240630.57	45.00	0.00
									6262413.62	2240403.56	45.00	0.00
									6262232.01	2240318.03	45.00	0.00
									6262258.40	2240274.74	45.00	0.00
									6262069.40	2240181.82	45.00	0.00
									6261953.25	2240415.17	45.00	0.00
									6262051.45	2240466.91	45.00	0.00
BUILDING			BUILDING00021	x	0		45.00	a	6262092.63	2240087.85	45.00	0.00
									6262248.90	2240168.10	45.00	0.00
									6262270.02	2240123.75	45.00	0.00
									6262367.16	2240164.93	45.00	0.00
									6262406.23	2240086.79	45.00	0.00
									6262404.11	2239991.76	45.00	0.00
									6262188.71	2239886.18	45.00	0.00
BUILDING			BUILDING00022	x	0		45.00	a	6262234.12	2239796.43	45.00	0.00
									6262373.49	2239867.17	45.00	0.00
									6262399.89	2239818.60	45.00	0.00
									6262396.72	2239755.25	45.00	0.00
									6262359.77	2239736.24	45.00	0.00
									6262388.28	2239687.67	45.00	0.00
									6262308.03	2239648.60	45.00	0.00
BUILDING			BUILDING00023	x	0		45.00	a	6263015.11	2238643.76	45.00	0.00
									6263125.38	2238642.02	45.00	0.00
									6263124.51	2238591.66	45.00	0.00
									6263632.42	2238585.58	45.00	0.00
									6263633.29	2238632.47	45.00	0.00
									6263742.69	2238632.47	45.00	0.00
									6263734.01	2238172.31	45.00	0.00
									6263094.99	2238182.73	45.00	0.00
									6263010.77	2238307.75	45.00	0.00
BUILDING			BUILDING00024	x	0		45.00	a	6263188.69	2241151.98	45.00	0.00
									6263603.57	2241151.98	45.00	0.00
									6263599.75	2240559.29	45.00	0.00
									6263253.69	2240559.29	45.00	0.00
									6263247.96	2239779.23	45.00	0.00
									6263163.83	2239781.14	45.00	0.00
BUILDING			BUILDING00025	x	0		30.00	a	6262746.09	2239577.36	30.00	0.00
									6262864.25	2239573.04	30.00	0.00
									6262861.66	2239512.67	30.00	0.00
									6263541.25	2239502.32	30.00	0.00
									6263543.84	2239562.70	30.00	0.00
									6263648.20	2239558.38	30.00	0.00
									6263643.02	2238925.36	30.00	0.00
									6263530.91	2238931.39	30.00	0.00
									6263530.91	2238988.32	30.00	0.00
									6262853.90	2238996.08	30.00	0.00
									6262855.62	2238935.71	30.00	0.00
									6262735.74	2238936.57	30.00	0.00
									6262736.61	2238996.94	30.00	0.00
									6262727.12	2238996.94	30.00	0.00
BUILDING			BUILDING00026	x	0		30.00	a	6264398.46	2241634.77	30.00	0.00
									6264436.03	2241635.91	30.00	0.00
									6264447.42	2241621.11	30.00	0.00
									6264602.28	2241616.55	30.00	0.00
									6264595.45	2241393.37	30.00	0.00
									6264611.39	2241391.10	30.00	0.00
									6264605.69	2241036.97	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264622.77	2241038.11	30.00	0.00
									6264620.50	2240794.44	30.00	0.00
									6264640.99	2240794.44	30.00	0.00
									6264637.58	2240579.23	30.00	0.00
									6264391.63	2240579.23	30.00	0.00
									6264392.76	2240617.94	30.00	0.00
									6264422.37	2240617.94	30.00	0.00
									6264421.23	2240800.13	30.00	0.00
									6264400.74	2240798.99	30.00	0.00
									6264399.60	2241040.39	30.00	0.00
									6264425.79	2241039.25	30.00	0.00
									6264424.65	2241131.48	30.00	0.00
									6264397.32	2241132.62	30.00	0.00
									6264393.90	2241153.12	30.00	0.00
									6264473.61	2241155.39	30.00	0.00
									6264472.47	2241271.54	30.00	0.00
									6264425.79	2241272.68	30.00	0.00
									6264425.79	2241294.31	30.00	0.00
									6264405.29	2241295.45	30.00	0.00
									6264404.15	2241315.94	30.00	0.00
									6264433.76	2241315.94	30.00	0.00
									6264433.76	2241396.79	30.00	0.00
									6264454.25	2241388.82	30.00	0.00
									6264454.25	2241409.32	30.00	0.00
									6264477.03	2241425.26	30.00	0.00
									6264473.61	2241561.90	30.00	0.00
									6264398.46	2241565.31	30.00	0.00
BUILDING			BUILDING00027	x	0		30.00	a	6264785.60	2241714.48	30.00	0.00
									6264852.78	2241713.34	30.00	0.00
									6264850.51	2241643.88	30.00	0.00
									6264784.46	2241641.60	30.00	0.00
BUILDING			BUILDING00028	x	0		30.00	a	6264881.25	2241715.62	30.00	0.00
									6265024.72	2241714.48	30.00	0.00
									6265023.58	2241687.15	30.00	0.00
									6264999.67	2241655.27	30.00	0.00
									6264917.69	2241655.27	30.00	0.00
									6264897.19	2241642.74	30.00	0.00
									6264880.11	2241641.60	30.00	0.00
BUILDING			BUILDING00029	x	0		30.00	a	6265019.03	2241619.97	30.00	0.00
									6265081.66	2241622.25	30.00	0.00
									6265077.10	2241532.29	30.00	0.00
									6265006.50	2241531.15	30.00	0.00
									6265006.50	2241561.90	30.00	0.00
									6265022.45	2241560.76	30.00	0.00
BUILDING			BUILDING00030	x	0		30.00	a	6264767.38	2241609.72	30.00	0.00
									6264822.04	2241608.58	30.00	0.00
									6264820.90	2241544.82	30.00	0.00
									6264766.25	2241547.09	30.00	0.00
BUILDING			BUILDING00031	x	0		30.00	a	6264844.81	2241612.00	30.00	0.00
									6264875.56	2241608.58	30.00	0.00
									6264885.81	2241592.64	30.00	0.00
									6264894.92	2241588.09	30.00	0.00
									6264915.41	2241586.95	30.00	0.00
									6264915.41	2241544.82	30.00	0.00
									6264845.95	2241544.82	30.00	0.00
BUILDING			BUILDING00032	x	0		30.00	a	6264983.73	2241260.15	30.00	0.00
									6265056.61	2241260.15	30.00	0.00
									6265061.16	2241235.10	30.00	0.00
									6264983.73	2241235.10	30.00	0.00
BUILDING			BUILDING00033	x	0		30.00	a	6264981.45	2241128.07	30.00	0.00
									6265058.88	2241125.79	30.00	0.00
									6265058.88	2241006.23	30.00	0.00
									6264996.26	2241003.95	30.00	0.00
									6264996.26	2241103.01	30.00	0.00
									6264981.45	2241105.29	30.00	0.00
BUILDING			BUILDING00034	x	0		30.00	a	6264986.01	2240603.14	30.00	0.00
									6265066.85	2240599.73	30.00	0.00
									6265067.99	2240523.43	30.00	0.00
									6264984.87	2240524.57	30.00	0.00
									6264982.59	2240532.54	30.00	0.00
									6264972.34	2240530.27	30.00	0.00
									6264973.48	2240582.65	30.00	0.00
									6264987.15	2240579.23	30.00	0.00
BUILDING			BUILDING00035	x	0		30.00	a	6263946.30	2240147.03	30.00	0.00
									6264030.94	2240144.86	30.00	0.00
									6264030.94	2240183.92	30.00	0.00
									6264185.02	2240179.58	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264189.36	2240138.35	30.00	0.00
									6264254.46	2240140.52	30.00	0.00
									6264289.19	2240112.31	30.00	0.00
									6264280.50	2239875.76	30.00	0.00
									6264323.91	2239871.42	30.00	0.00
									6264326.08	2239706.49	30.00	0.00
									6264280.50	2239710.83	30.00	0.00
									6264254.46	2239736.87	30.00	0.00
									6264093.87	2239736.87	30.00	0.00
									6264093.87	2239717.34	30.00	0.00
									6263998.39	2239719.51	30.00	0.00
									6264000.56	2239624.03	30.00	0.00
									6263944.13	2239626.20	30.00	0.00
BUILDING			BUILDING00036	x	0		30.00	a	6264970.61	2240352.32	30.00	0.00
									6265026.60	2240349.72	30.00	0.00
									6265022.69	2240255.97	30.00	0.00
									6264969.31	2240259.88	30.00	0.00
BUILDING			BUILDING00037	x	0		30.00	a	6264966.70	2240115.35	30.00	0.00
									6265022.69	2240115.35	30.00	0.00
									6265018.79	2240025.50	30.00	0.00
									6264961.49	2240024.20	30.00	0.00
BUILDING			BUILDING00038	x	0		30.00	a	6264975.83	2239763.78	30.00	0.00
									6265024.21	2239759.38	30.00	0.00
									6265027.50	2239551.58	30.00	0.00
									6264973.63	2239554.88	30.00	0.00

APPENDIX 9.6:

PHASE 2, WITHOUT OVERLAY - OPERATIONAL NOISE CALCULATIONS (LEQ)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-02_CNEL.cna
Date: 05.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (#(Unit,LEN))	**2000.01**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (#(Unit,LEN))	**999.99**
Min. Length of Section (#(Unit,LEN))	**1.01**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**100.00**
Search Radius Rcvr	**100.00**
Max. Distance Source - Rcvr	**1000.00 1000.00**
Min. Distance Rvcr - Reflector	**1.00 1.00**
Min. Distance Source - Reflector	**0.10**
Industrial (ISO 9613)	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (#(Unit,TEMP))	**10**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (#(Unit,SPEED))	**3.0**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	47.0	46.1	52.7	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	44.9	44.3	51.0	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	50.5	50.1	56.8	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	45.5	45.1	51.8	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	45.2	44.8	51.5	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	46.9	46.8	53.4	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	49.3	49.2	55.9	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	44.4	44.2	50.9	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	53.9	53.8	60.5	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC001	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264905.42	2241692.52	35.00
POINTSOURCE		AC002	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265010.64	2241700.48	35.00
POINTSOURCE		AC003	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264840.43	2241652.73	35.00
POINTSOURCE		AC004	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264800.19	2241697.39	35.00
POINTSOURCE		AC005	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264238.09	2239948.49	35.00
POINTSOURCE		AC006	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263998.41	2239941.89	35.00
POINTSOURCE		AC007	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263995.11	2239780.27	35.00
POINTSOURCE		AC008	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264240.29	2239790.16	35.00
POINTSOURCE		AC009	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264239.19	2240096.91	35.00
POINTSOURCE		AC010	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263995.11	2240098.01	35.00
POINTSOURCE		AC011	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265005.74	2240043.36	35.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		AC012	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264975.30	2240103.77	35.00
POINTSOURCE		AC013	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265009.95	2240275.15	35.00
POINTSOURCE		AC014	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264982.79	2240338.84	35.00
POINTSOURCE		AC015	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265005.66	2240539.89	35.00
POINTSOURCE		AC016	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265045.25	2240582.25	35.00
POINTSOURCE		AC017	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264445.25	2240602.39	35.00
POINTSOURCE		AC018	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264615.39	2240764.19	35.00
POINTSOURCE		AC019	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264430.66	2240829.47	35.00
POINTSOURCE		AC020	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264596.64	2241010.03	35.00
POINTSOURCE		AC021	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264443.86	2241057.94	35.00
POINTSOURCE		AC022	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264589.00	2241141.28	35.00
POINTSOURCE		AC023	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264496.64	2241178.78	35.00
POINTSOURCE		AC024	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264590.39	2241247.53	35.00
POINTSOURCE		AC025	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264475.11	2241304.47	35.00
POINTSOURCE		AC026	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264585.52	2241368.36	35.00
POINTSOURCE		AC027	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264498.02	2241419.05	35.00
POINTSOURCE		AC028	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264574.41	2241464.89	35.00
POINTSOURCE		AC029	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264572.33	2241513.50	35.00
POINTSOURCE		AC030	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264571.64	2241589.19	35.00
POINTSOURCE		AC031	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264507.75	2241591.28	35.00
POINTSOURCE		AC032	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264451.50	2241581.55	35.00
POINTSOURCE		AC033	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264418.16	2241619.75	35.00
POINTSOURCE		AC034	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265016.77	2241022.53	35.00
POINTSOURCE		AC035	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265044.55	2241106.55	35.00
POINTSOURCE		AC036	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265004.27	2241248.92	35.00
POINTSOURCE		AC037	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264786.22	2241560.03	35.00
POINTSOURCE		AC038	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264807.05	2241596.14	35.00
POINTSOURCE		AC039	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264860.52	2241589.19	35.00
POINTSOURCE		AC040	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6264899.41	2241555.17	35.00
POINTSOURCE		AC041	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265036.91	2241546.14	35.00
POINTSOURCE		AC042	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6265061.22	2241602.39	35.00
POINTSOURCE		AC043	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263560.23	2239034.89	35.00
POINTSOURCE		AC044	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263621.46	2238967.62	35.00
POINTSOURCE		AC045	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263574.03	2239474.73	35.00
POINTSOURCE		AC046	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263634.40	2239542.86	35.00
POINTSOURCE		AC047	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262813.36	2239025.40	35.00
POINTSOURCE		AC048	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262768.52	2238965.89	35.00
POINTSOURCE		AC049	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262833.20	2239494.56	35.00
POINTSOURCE		AC050	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262780.59	2239545.45	35.00
POINTSOURCE		AC051	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263236.00	2240627.65	50.00
POINTSOURCE		AC052	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263402.67	2240619.84	50.00
POINTSOURCE		AC053	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263540.69	2240617.24	50.00
POINTSOURCE		AC054	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263397.46	2241083.38	50.00
POINTSOURCE		AC055	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263545.90	2241085.99	50.00
POINTSOURCE		AC056	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263249.02	2241093.80	50.00
POINTSOURCE		AC057	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263658.03	2238259.79	50.00
POINTSOURCE		AC058	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263714.21	2238205.99	50.00
POINTSOURCE		AC059	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263092.54	2238257.39	50.00
POINTSOURCE		AC060	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6263147.54	2238205.99	50.00
POINTSOURCE		AC061	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262336.83	2239819.15	50.00
POINTSOURCE		AC062	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262364.61	2239835.64	50.00
POINTSOURCE		AC063	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262238.74	2239934.60	50.00
POINTSOURCE		AC064	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262198.81	2239914.63	50.00
POINTSOURCE		AC065	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262036.48	2240431.13	50.00
POINTSOURCE		AC066	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261987.00	2240409.42	50.00
POINTSOURCE		AC067	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262249.64	2240949.26	50.00
POINTSOURCE		AC068	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262303.22	2240895.69	50.00
POINTSOURCE		AC069	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262259.48	2241619.49	50.00
POINTSOURCE		AC070	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6262311.96	2241676.34	50.00
POINTSOURCE		AC071	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261894.31	2241628.23	50.00
POINTSOURCE		AC072	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	5.00	g	6261846.20	2241680.71	50.00
POINTSOURCE		DT01	83.2	83.2	83.2	Lw	83.2		900.00	0.00	270.00	3.00	a	6265083.50	2241059.12	3.00
POINTSOURCE		DT02	83.2	83.2	83.2	Lw	83.2		900.00	0.00	270.00	3.00	a	6265022.01	2241213.96	3.00
POINTSOURCE		GAS01	79.9	79.9	79.9	Lw	79.9					5.00	a	6264923.06	2239575.77	5.00
POINTSOURCE		GAS02	79.9	79.9	79.9	Lw	79.9					5.00	a	6264838.40	2239574.67	5.00
POINTSOURCE		GAS03	79.9	79.9	79.9	Lw	79.9					5.00	a	6264923.06	2239615.35	5.00
POINTSOURCE		GAS04	79.9	79.9	79.9	Lw	79.9					5.00	a	6264839.50	2239614.25	5.00
POINTSOURCE		GAS05	79.9	79.9	79.9	Lw	79.9					5.00	a	6264925.25	2239651.63	5.00
POINTSOURCE		GAS06	79.9	79.9	79.9	Lw	79.9					5.00	a	6264840.60	2239650.53	5.00
POINTSOURCE		GAS07	79.9	79.9	79.9	Lw	79.9					5.00	a	6264925.25	2239695.61	5.00
POINTSOURCE		GAS08	79.9	79.9	79.9	Lw	79.9					5.00	a	6264839.50	2239694.51	5.00
POINTSOURCE		GAS09	79.9	79.9	79.9	Lw	79.9					5.00	a	6264927.45	2239731.89	5.00
POINTSOURCE		GAS10	79.9	79.9	79.9	Lw	79.9					5.00	a	6264840.60	2239735.19	5.00
POINTSOURCE		TRASH01	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262454.10	2241589.97	5.00
POINTSOURCE		TRASH02	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262445.35	2240895.69	5.00
POINTSOURCE		TRASH03	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6261841.82	2240960.20	5.00
POINTSOURCE		TRASH04	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262200.33	2240231.45	5.00

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
POINTSOURCE		TRASH05	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262226.73	2240169.15	5.00
POINTSOURCE		TRASH06	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262342.87	2239573.63	5.00
POINTSOURCE		TRASH07	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262385.03	2239732.73	5.00
POINTSOURCE		TRASH08	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263105.70	2238656.70	5.00
POINTSOURCE		TRASH09	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263652.05	2238657.89	5.00
POINTSOURCE		TRASH10	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262867.69	2239694.65	5.00
POINTSOURCE		TRASH11	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263530.04	2239695.51	5.00
POINTSOURCE		TRASH12	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6262850.45	2238816.69	5.00
POINTSOURCE		TRASH13	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6263514.52	2238816.69	5.00
POINTSOURCE		TRASH14	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264390.39	2240655.17	5.00
POINTSOURCE		TRASH15	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264342.47	2241025.30	5.00
POINTSOURCE		TRASH16	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264352.89	2241540.58	5.00
POINTSOURCE		TRASH17	89.0	89.0	89.0	Lw	89		900.00	0.00	270.00	5.00	a	6264353.58	2241254.47	5.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)	
LINESOURCE		TRUCK01	89.7	89.7	89.7	62.9	62.9	62.9	Lw	89.7									8	a
LINESOURCE		TRUCK02	89.7	89.7	89.7	67.4	67.4	67.4	Lw	89.7									8	a
LINESOURCE		TRUCK03	89.7	89.7	89.7	68.0	68.0	68.0	Lw	89.7									8	a
LINESOURCE		TRUCK04	89.7	89.7	89.7	74.1	74.1	74.1	Lw	89.7									8	a
LINESOURCE		TRUCK05	89.7	89.7	89.7	66.7	66.7	66.7	Lw	89.7									8	a
LINESOURCE		TRUCK06	89.7	89.7	89.7	75.2	75.2	75.2	Lw	89.7									8	a
LINESOURCE		TRUCK07	89.7	89.7	89.7	65.1	65.1	65.1	Lw	89.7									8	a
LINESOURCE		TRUCK08	89.7	89.7	89.7	63.0	63.0	63.0	Lw	89.7									8	a
LINESOURCE		TRUCK09	89.7	89.7	89.7	63.0	63.0	63.0	Lw	89.7									8	a
LINESOURCE		TRUCK10	89.7	89.7	89.7	64.7	64.7	64.7	Lw	89.7									8	a
LINESOURCE		TRUCK11	89.7	89.7	89.7	61.0	61.0	61.0	Lw	89.7									8	a
LINESOURCE		TRUCK12	89.7	89.7	89.7	61.9	61.9	61.9	Lw	89.7									8	a
LINESOURCE		TRUCK13	89.7	89.7	89.7	63.7	63.7	63.7	Lw	89.7									8	a
LINESOURCE		TRUCK14	89.7	89.7	89.7	62.9	62.9	62.9	Lw	89.7									8	a
LINESOURCE		TRUCK15	89.7	89.7	89.7	65.0	65.0	65.0	Lw	89.7									8	a
LINESOURCE		TRUCK16	89.7	89.7	89.7	61.9	61.9	61.9	Lw	89.7									8	a
LINESOURCE		TRUCK17	89.7	89.7	89.7	61.3	61.3	61.3	Lw	89.7									8	a
LINESOURCE		TRUCK18	89.7	89.7	89.7	65.6	65.6	65.6	Lw	89.7									8	a
LINESOURCE		TRUCK19	89.7	89.7	89.7	68.8	68.8	68.8	Lw	89.7									8	a
LINESOURCE		TRUCK20	89.7	89.7	89.7	66.0	66.0	66.0	Lw	89.7									8	a
LINESOURCE		TRUCK21	89.7	89.7	89.7	63.9	63.9	63.9	Lw	89.7									8	a
LINESOURCE		TRUCK22	89.7	89.7	89.7	66.0	66.0	66.0	Lw	89.7									8	a
LINESOURCE		TRUCK23	89.7	89.7	89.7	65.9	65.9	65.9	Lw	89.7									8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK01	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261771.48	2240997.61	8.00	0.00
						6261776.46	2240964.20	8.00	0.00
						6261783.50	2240931.17	8.00	0.00
						6261792.58	2240898.63	8.00	0.00
						6261803.65	2240866.72	8.00	0.00
						6261816.68	2240835.55	8.00	0.00
						6261818.62	2240828.59	8.00	0.00
						6261821.68	2240822.05	8.00	0.00
						6261825.76	2240816.08	8.00	0.00
						6261830.77	2240810.86	8.00	0.00
						6261836.55	2240806.53	8.00	0.00
						6261842.96	2240803.20	8.00	0.00
						6261849.84	2240800.96	8.00	0.00
						6261856.98	2240799.87	8.00	0.00
						6261864.21	2240799.96	8.00	0.00
						6261871.32	2240801.23	8.00	0.00
						6261878.14	2240803.64	8.00	0.00
						6261884.46	2240807.13	8.00	0.00
						6261904.69	2240810.69	8.00	0.00
						6261925.20	2240811.79	8.00	0.00
						6261945.69	2240810.41	8.00	0.00
						6262339.30	2240804.94	8.00	0.00
						6262349.90	2240810.37	8.00	0.00
						6262359.50	2240817.42	8.00	0.00
						6262367.86	2240825.90	8.00	0.00
						6262374.76	2240835.60	8.00	0.00
						6262380.04	2240846.28	8.00	0.00
						6262383.56	2240857.66	8.00	0.00
						6262385.22	2240869.45	8.00	0.00
						6262396.50	2241595.48	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
LINESOURCE	TRUCK02	8.00	a			6261768.57	2241031.26	8.00	0.00
						6261764.20	2241591.06	8.00	0.00
LINESOURCE	TRUCK03	8.00	a			6261573.68	2241317.56	8.00	0.00
						6261586.66	2241320.74	8.00	0.00
						6261599.05	2241325.77	8.00	0.00
						6261610.57	2241332.56	8.00	0.00
						6261620.98	2241340.95	8.00	0.00
						6261630.06	2241350.77	8.00	0.00
						6261637.61	2241361.80	8.00	0.00
						6261642.51	2241373.96	8.00	0.00
						6261645.65	2241386.68	8.00	0.00
						6261646.99	2241399.72	8.00	0.00
						6261646.48	2241412.82	8.00	0.00
						6261644.15	2241425.72	8.00	0.00
						6261640.03	2241438.16	8.00	0.00
						6261593.37	2241570.27	8.00	0.00
						6261591.12	2241583.75	8.00	0.00
						6261591.04	2241597.41	8.00	0.00
						6261593.16	2241610.90	8.00	0.00
						6261597.41	2241623.89	8.00	0.00
						6261603.67	2241636.03	8.00	0.00
						6261611.84	2241646.50	8.00	0.00
						6261621.62	2241655.50	8.00	0.00
						6261632.73	2241662.78	8.00	0.00
						6261644.88	2241668.15	8.00	0.00
						6261656.69	2241670.20	8.00	0.00
						6261668.67	2241670.39	8.00	0.00
						6261680.53	2241668.72	8.00	0.00
						6261691.99	2241665.21	8.00	0.00
						6261702.76	2241659.96	8.00	0.00
LINESOURCE	TRUCK04	8.00	a			6261702.76	2241659.96	8.00	0.00
						6261719.25	2241642.50	8.00	0.00
						6261733.81	2241623.40	8.00	0.00
						6261746.28	2241602.87	8.00	0.00
						6261756.54	2241581.15	8.00	0.00
						6261764.45	2241558.47	8.00	0.00
LINESOURCE	TRUCK05	8.00	a			6262438.39	2240524.88	8.00	0.00
						6262442.73	2240311.33	8.00	0.00
						6262051.24	2240112.55	8.00	0.00
LINESOURCE	TRUCK06	8.00	a			6262325.89	2239523.77	8.00	0.00
						6262406.28	2239569.15	8.00	0.00
LINESOURCE	TRUCK07	8.00	a			6263714.21	2238693.76	8.00	0.00
						6263042.33	2238699.74	8.00	0.00
						6263013.77	2238701.93	8.00	0.00
						6262985.13	2238701.72	8.00	0.00
						6262956.61	2238699.09	8.00	0.00
						6262928.40	2238694.08	8.00	0.00
						6262900.72	2238686.70	8.00	0.00
						6262873.77	2238677.02	8.00	0.00
						6262784.91	2238619.90	8.00	0.00
LINESOURCE	TRUCK08	8.00	a			6263527.46	2238890.86	8.00	0.00
						6262767.65	2238890.86	8.00	0.00
						6262755.83	2238890.36	8.00	0.00
						6262744.08	2238891.75	8.00	0.00
						6262732.70	2238894.99	8.00	0.00
						6262721.98	2238900.01	8.00	0.00
						6262712.21	2238906.68	8.00	0.00
						6262703.62	2238914.82	8.00	0.00
						6262696.44	2238924.23	8.00	0.00
						6262690.85	2238934.66	8.00	0.00
						6262687.00	2238945.85	8.00	0.00
						6262684.99	2238957.51	8.00	0.00
						6262684.86	2238969.34	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
LINESOURCE	TRUCK09	8.00	a			6263538.67	2239623.07	8.00	0.00
						6262694.35	2239605.82	8.00	0.00
						6262619.31	2239606.68	8.00	0.00
						6262611.03	2239605.28	8.00	0.00
						6262603.10	2239602.52	8.00	0.00
						6262595.74	2239598.46	8.00	0.00
						6262589.16	2239593.23	8.00	0.00
						6262583.56	2239586.97	8.00	0.00
						6262579.09	2239579.86	8.00	0.00
						6262575.87	2239572.10	8.00	0.00
						6262574.00	2239563.91	8.00	0.00
						6262573.53	2239555.52	8.00	0.00
						6262574.47	2239547.17	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262577.06	2239483.35	8.00	0.00
						6262633.98	2239236.70	8.00	0.00
						6262631.39	2239114.23	8.00	0.00
						6262627.14	2239099.52	8.00	0.00
						6262620.95	2239085.51	8.00	0.00
						6262612.94	2239072.45	8.00	0.00
						6262603.26	2239060.58	8.00	0.00
						6262592.08	2239050.12	8.00	0.00
						6262579.59	2239041.25	8.00	0.00
						6262566.03	2239034.13	8.00	0.00
LINESOURCE	TRUCK10	8.00	a			6264294.28	2239583.54	8.00	0.00
						6263922.20	2239586.30	8.00	0.00
						6263926.79	2240128.35	8.00	0.00
						6263928.63	2240201.85	8.00	0.00
						6263867.99	2240203.69	8.00	0.00
LINESOURCE	TRUCK11	8.00	a			6263827.07	2241825.51	8.00	0.00
						6261719.13	2241877.13	8.00	0.00
						6261680.77	2241870.12	8.00	0.00
						6261642.76	2241861.39	8.00	0.00
						6261605.18	2241850.95	8.00	0.00
						6261568.12	2241838.83	8.00	0.00
						6261531.63	2241825.05	8.00	0.00
						6261408.36	2241782.10	8.00	0.00
LINESOURCE	TRUCK12	8.00	a			6262537.55	2241857.09	8.00	0.00
						6262563.06	2243848.54	8.00	0.00
LINESOURCE	TRUCK13	8.00	a			6261796.42	2240673.25	8.00	0.00
						6261907.12	2240704.76	8.00	0.00
						6262018.91	2240714.07	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
LINESOURCE	TRUCK14	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262710.16	2241746.29	8.00	0.00
						6262691.53	2240783.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
LINESOURCE	TRUCK15	8.00	a			6262909.52	2241742.56	8.00	0.00
						6262888.91	2240780.23	8.00	0.00
LINESOURCE	TRUCK16	8.00	a			6262702.52	2241351.47	8.00	0.00
						6263103.29	2241355.01	8.00	0.00
						6263088.39	2240777.42	8.00	0.00
						6263093.98	2240691.71	8.00	0.00
						6263075.35	2239758.25	8.00	0.00
LINESOURCE	TRUCK17	8.00	a			6263092.16	2240600.34	8.00	0.00
						6262676.62	2240607.87	8.00	0.00
						6262674.76	2239761.98	8.00	0.00
						6263667.84	2239748.94	8.00	0.00
LINESOURCE	TRUCK18	8.00	a			6262883.61	2240604.12	8.00	0.00
						6262872.10	2239759.39	8.00	0.00
LINESOURCE	TRUCK19	8.00	a			6262675.67	2240173.76	8.00	0.00
						6263083.71	2240177.23	8.00	0.00
LINESOURCE	TRUCK20	8.00	a			6263360.42	2240522.16	8.00	0.00
						6263349.12	2239753.12	8.00	0.00
LINESOURCE	TRUCK21	8.00	a			6263641.76	2241008.46	8.00	0.00
						6263643.68	2239749.25	8.00	0.00
LINESOURCE	TRUCK22	8.00	a			6263477.67	2240522.63	8.00	0.00
						6263462.05	2239751.80	8.00	0.00
LINESOURCE	TRUCK23	8.00	a			6263578.37	2240533.05	8.00	0.00
						6263562.74	2239753.53	8.00	0.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR001	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR002	87.8	87.8	87.8	61.4	61.4	61.4	Lw	87.8					5	a
AREASOURCE		CAR003	87.8	87.8	87.8	58.4	58.4	58.4	Lw	87.8					5	a
AREASOURCE		CAR004	87.8	87.8	87.8	66.6	66.6	66.6	Lw	87.8					5	a
AREASOURCE		CAR005	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR006	87.8	87.8	87.8	62.2	62.2	62.2	Lw	87.8					5	a
AREASOURCE		CAR007	87.8	87.8	87.8	64.7	64.7	64.7	Lw	87.8					5	a
AREASOURCE		CAR008	87.8	87.8	87.8	63.8	63.8	63.8	Lw	87.8					5	a
AREASOURCE		CAR009	87.8	87.8	87.8	64.8	64.8	64.8	Lw	87.8					5	a
AREASOURCE		CAR010	87.8	87.8	87.8	67.0	67.0	67.0	Lw	87.8					5	a
AREASOURCE		CAR011	87.8	87.8	87.8	70.4	70.4	70.4	Lw	87.8					5	a
AREASOURCE		CAR012	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR013	87.8	87.8	87.8	63.0	63.0	63.0	Lw	87.8					5	a
AREASOURCE		CAR014	87.8	87.8	87.8	63.1	63.1	63.1	Lw	87.8					5	a
AREASOURCE		CAR015	87.8	87.8	87.8	71.6	71.6	71.6	Lw	87.8					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR016	87.8	87.8	87.8	57.9	57.9	57.9	Lw	87.8					5	a
AREASOURCE		CAR017	87.8	87.8	87.8	71.4	71.4	71.4	Lw	87.8					5	a
AREASOURCE		CAR018	87.8	87.8	87.8	66.7	66.7	66.7	Lw	87.8					5	a
AREASOURCE		CAR019	87.8	87.8	87.8	68.2	68.2	68.2	Lw	87.8					5	a
AREASOURCE		CAR020	87.8	87.8	87.8	61.7	61.7	61.7	Lw	87.8					5	a
AREASOURCE		CAR021	87.8	87.8	87.8	68.5	68.5	68.5	Lw	87.8					5	a
AREASOURCE		CAR022	87.8	87.8	87.8	64.9	64.9	64.9	Lw	87.8					5	a
AREASOURCE		CAR023	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR024	87.8	87.8	87.8	71.3	71.3	71.3	Lw	87.8					5	a
AREASOURCE		CAR025	87.8	87.8	87.8	64.3	64.3	64.3	Lw	87.8					5	a
AREASOURCE		CAR026	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR027	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR028	87.8	87.8	87.8	59.5	59.5	59.5	Lw	87.8					5	a
AREASOURCE		CAR029	87.8	87.8	87.8	60.1	60.1	60.1	Lw	87.8					5	a
AREASOURCE		CAR030	87.8	87.8	87.8	56.8	56.8	56.8	Lw	87.8					5	a
AREASOURCE		CAR031	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR032	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR033	87.8	87.8	87.8	56.7	56.7	56.7	Lw	87.8					5	a
AREASOURCE		CAR034	87.8	87.8	87.8	66.3	66.3	66.3	Lw	87.8					5	a
AREASOURCE		CAR035	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR036	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR037	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR038	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR039	87.8	87.8	87.8	56.9	56.9	56.9	Lw	87.8					5	a
AREASOURCE		CAR040	87.8	87.8	87.8	59.7	59.7	59.7	Lw	87.8					5	a
AREASOURCE		CAR041	87.8	87.8	87.8	59.2	59.2	59.2	Lw	87.8					5	a
AREASOURCE		CAR042	87.8	87.8	87.8	70.9	70.9	70.9	Lw	87.8					5	a
AREASOURCE		CAR043	87.8	87.8	87.8	53.5	53.5	53.5	Lw	87.8					5	a
AREASOURCE		CAR044	87.8	87.8	87.8	55.6	55.6	55.6	Lw	87.8					5	a
AREASOURCE		CAR045	87.8	87.8	87.8	61.4	61.4	61.4	Lw	87.8					5	a
AREASOURCE		CAR046	87.8	87.8	87.8	61.7	61.7	61.7	Lw	87.8					5	a
AREASOURCE		CAR047	87.8	87.8	87.8	59.5	59.5	59.5	Lw	87.8					5	a
AREASOURCE		CAR048	87.8	87.8	87.8	59.4	59.4	59.4	Lw	87.8					5	a
AREASOURCE		CAR049	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR050	87.8	87.8	87.8	60.2	60.2	60.2	Lw	87.8					5	a
AREASOURCE		CAR051	87.8	87.8	87.8	63.5	63.5	63.5	Lw	87.8					5	a
AREASOURCE		CAR052	87.8	87.8	87.8	60.1	60.1	60.1	Lw	87.8					5	a
AREASOURCE		CAR053	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR054	87.8	87.8	87.8	61.1	61.1	61.1	Lw	87.8					5	a
AREASOURCE		CAR055	87.8	87.8	87.8	61.9	61.9	61.9	Lw	87.8					5	a
AREASOURCE		CAR056	87.8	87.8	87.8	60.2	60.2	60.2	Lw	87.8					5	a
AREASOURCE		CAR057	87.8	87.8	87.8	59.7	59.7	59.7	Lw	87.8					5	a
AREASOURCE		CAR058	87.8	87.8	87.8	59.8	59.8	59.8	Lw	87.8					5	a
AREASOURCE		CAR059	87.8	87.8	87.8	60.0	60.0	60.0	Lw	87.8					5	a
AREASOURCE		CAR060	87.8	87.8	87.8	66.1	66.1	66.1	Lw	87.8					5	a
AREASOURCE		CAR061	87.8	87.8	87.8	66.0	66.0	66.0	Lw	87.8					5	a
AREASOURCE		CAR062	87.8	87.8	87.8	63.9	63.9	63.9	Lw	87.8					5	a
AREASOURCE		CAR063	87.8	87.8	87.8	61.6	61.6	61.6	Lw	87.8					5	a
AREASOURCE		CAR064	87.8	87.8	87.8	64.5	64.5	64.5	Lw	87.8					5	a
AREASOURCE		CAR065	87.8	87.8	87.8	64.6	64.6	64.6	Lw	87.8					5	a
AREASOURCE		CAR066	87.8	87.8	87.8	65.2	65.2	65.2	Lw	87.8					5	a
AREASOURCE		CAR067	87.8	87.8	87.8	59.9	59.9	59.9	Lw	87.8					5	a
AREASOURCE		CAR068	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR069	87.8	87.8	87.8	61.2	61.2	61.2	Lw	87.8					5	a
AREASOURCE		CAR070	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR071	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR072	87.8	87.8	87.8	59.9	59.9	59.9	Lw	87.8					5	a
AREASOURCE		CAR073	87.8	87.8	87.8	64.7	64.7	64.7	Lw	87.8					5	a
AREASOURCE		CAR074	87.8	87.8	87.8	65.6	65.6	65.6	Lw	87.8					5	a
AREASOURCE		CAR075	87.8	87.8	87.8	66.4	66.4	66.4	Lw	87.8					5	a
AREASOURCE		CAR076	87.8	87.8	87.8	60.3	60.3	60.3	Lw	87.8					5	a
AREASOURCE		CAR077	87.8	87.8	87.8	62.4	62.4	62.4	Lw	87.8					5	a
AREASOURCE		CAR078	87.8	87.8	87.8	62.6	62.6	62.6	Lw	87.8					5	a
AREASOURCE		CAR079	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR080	87.8	87.8	87.8	62.7	62.7	62.7	Lw	87.8					5	a
AREASOURCE		CAR081	87.8	87.8	87.8	62.9	62.9	62.9	Lw	87.8					5	a
AREASOURCE		CAR082	87.8	87.8	87.8	62.7	62.7	62.7	Lw	87.8					5	a
AREASOURCE		CAR083	87.8	87.8	87.8	63.3	63.3	63.3	Lw	87.8					5	a
AREASOURCE		CAR084	87.8	87.8	87.8	60.5	60.5	60.5	Lw	87.8					5	a
AREASOURCE		CAR085	87.8	87.8	87.8	62.0	62.0	62.0	Lw	87.8					5	a
AREASOURCE		CAR086	87.8	87.8	87.8	62.3	62.3	62.3	Lw	87.8					5	a
AREASOURCE		CAR087	87.8	87.8	87.8	62.6	62.6	62.6	Lw	87.8					5	a
AREASOURCE		CAR088	87.8	87.8	87.8	63.8	63.8	63.8	Lw	87.8					5	a
AREASOURCE		CAR089	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR090	87.8	87.8	87.8	62.5	62.5	62.5	Lw	87.8					5	a
AREASOURCE		CAR091	87.8	87.8	87.8	62.1	62.1	62.1	Lw	87.8					5	a
AREASOURCE		CAR092	87.8	87.8	87.8	65.7	65.7	65.7	Lw	87.8					5	a

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
AREASOURCE		CAR093	87.8	87.8	87.8	64.9	64.9	64.9	Lw	87.8					5	a
AREASOURCE		CAR094	87.8	87.8	87.8	67.0	67.0	67.0	Lw	87.8					5	a
AREASOURCE		CAR095	87.8	87.8	87.8	63.6	63.6	63.6	Lw	87.8					5	a
AREASOURCE		CAR096	87.8	87.8	87.8	64.2	64.2	64.2	Lw	87.8					5	a
AREASOURCE		CAR097	87.8	87.8	87.8	61.9	61.9	61.9	Lw	87.8					5	a
AREASOURCE		CAR098	87.8	87.8	87.8	62.0	62.0	62.0	Lw	87.8					5	a
AREASOURCE		CAR099	87.8	87.8	87.8	60.8	60.8	60.8	Lw	87.8					5	a
AREASOURCE		CAR100	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR101	87.8	87.8	87.8	57.1	57.1	57.1	Lw	87.8					5	a
AREASOURCE		CAR102	87.8	87.8	87.8	56.4	56.4	56.4	Lw	87.8					5	a
AREASOURCE		CAR103	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR104	87.8	87.8	87.8	60.7	60.7	60.7	Lw	87.8					5	a
AREASOURCE		CAR105	87.8	87.8	87.8	61.2	61.2	61.2	Lw	87.8					5	a
AREASOURCE		CAR106	87.8	87.8	87.8	65.4	65.4	65.4	Lw	87.8					5	a
AREASOURCE		CAR107	87.8	87.8	87.8	58.3	58.3	58.3	Lw	87.8					5	a
AREASOURCE		CAR108	87.8	87.8	87.8	57.8	57.8	57.8	Lw	87.8					5	a
AREASOURCE		CAR109	87.8	87.8	87.8	58.0	58.0	58.0	Lw	87.8					5	a
AREASOURCE		CAR110	87.8	87.8	87.8	58.0	58.0	58.0	Lw	87.8					5	a
AREASOURCE		CAR111	87.8	87.8	87.8	57.5	57.5	57.5	Lw	87.8					5	a
AREASOURCE		DRY001	103.4	103.4	103.4	51.1	51.1	51.1	Lw	103.4					8	a
AREASOURCE		DRY002	103.4	103.4	103.4	84.7	84.7	84.7	Lw	103.4					8	a
AREASOURCE		DRY003	103.4	103.4	103.4	48.8	48.8	48.8	Lw	103.4					8	a
AREASOURCE		DRY004	103.4	103.4	103.4	69.0	69.0	69.0	Lw	103.4					8	a
AREASOURCE		DRY005	103.4	103.4	103.4	69.2	69.2	69.2	Lw	103.4					8	a
AREASOURCE		DRY006	103.4	103.4	103.4	67.7	67.7	67.7	Lw	103.4					8	a
AREASOURCE		DRY007	103.4	103.4	103.4	68.5	68.5	68.5	Lw	103.4					8	a
AREASOURCE		DRY008	103.4	103.4	103.4	67.1	67.1	67.1	Lw	103.4					8	a
AREASOURCE		DRY009	103.4	103.4	103.4	67.8	67.8	67.8	Lw	103.4					8	a
AREASOURCE		DRY010	103.4	103.4	103.4	69.1	69.1	69.1	Lw	103.4					8	a
AREASOURCE		DRY011	103.4	103.4	103.4	66.5	66.5	66.5	Lw	103.4					8	a
AREASOURCE		DRY012	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY013	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY014	103.4	103.4	103.4	66.7	66.7	66.7	Lw	103.4					8	a
AREASOURCE		DRY015	103.4	103.4	103.4	66.8	66.8	66.8	Lw	103.4					8	a
AREASOURCE		DRY016	103.4	103.4	103.4	66.6	66.6	66.6	Lw	103.4					8	a
AREASOURCE		DRY017	103.4	103.4	103.4	66.1	66.1	66.1	Lw	103.4					8	a
AREASOURCE		DRY018	103.4	103.4	103.4	66.8	66.8	66.8	Lw	103.4					8	a
AREASOURCE		DRY019	103.4	103.4	103.4	64.7	64.7	64.7	Lw	103.4					8	a
AREASOURCE		DRY020	103.4	103.4	103.4	65.5	65.5	65.5	Lw	103.4					8	a
AREASOURCE		DRY021	103.4	103.4	103.4	70.0	70.0	70.0	Lw	103.4					8	a
AREASOURCE		DRY022	103.4	103.4	103.4	65.4	65.4	65.4	Lw	103.4					8	a
AREASOURCE		DRY023	103.4	103.4	103.4	67.1	67.1	67.1	Lw	103.4					8	a
AREASOURCE		DRY024	103.4	103.4	103.4	65.8	65.8	65.8	Lw	103.4					8	a
AREASOURCE		DRY025	103.4	103.4	103.4	68.0	68.0	68.0	Lw	103.4					8	a
AREASOURCE		DRY026	103.4	103.4	103.4	68.3	68.3	68.3	Lw	103.4					8	a
AREASOURCE		DRY027	103.4	103.4	103.4	77.4	77.4	77.4	Lw	103.4					8	a
AREASOURCE		DRY028	103.4	103.4	103.4	76.9	76.9	76.9	Lw	103.4					8	a
AREASOURCE		DRY029	103.4	103.4	103.4	73.6	73.6	73.6	Lw	103.4					8	a
AREASOURCE		DRY030	103.4	103.4	103.4	72.9	72.9	72.9	Lw	103.4					8	a
AREASOURCE		DRY031	103.4	103.4	103.4	72.6	72.6	72.6	Lw	103.4					8	a
AREASOURCE		DRY032	103.4	103.4	103.4	67.9	67.9	67.9	Lw	103.4					8	a
AREASOURCE		DRY033	103.4	103.4	103.4	67.9	67.9	67.9	Lw	103.4					8	a
AREASOURCE		DRY034	103.4	103.4	103.4	67.7	67.7	67.7	Lw	103.4					8	a

Name	ID	Height			Coordinates			
		Begin		End	x	y	z	Ground
		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR001	5.00	a		6261833.96	2241791.77	5.00	0.00
					6262050.31	2241789.35	5.00	0.00
					6262049.40	2241772.08	5.00	0.00
					6261833.66	2241774.20	5.00	0.00
AREASOURCE	CAR002	5.00	a		6262096.37	2241787.53	5.00	0.00
					6262377.86	2241784.50	5.00	0.00
					6262377.56	2241767.84	5.00	0.00
					6262096.06	2241771.17	5.00	0.00
AREASOURCE	CAR003	5.00	a		6261856.08	2241744.81	5.00	0.00
					6262377.26	2241739.05	5.00	0.00
					6262376.35	2241721.78	5.00	0.00
					6261855.78	2241726.32	5.00	0.00
AREASOURCE	CAR004	5.00	a		6262376.95	2241712.08	5.00	0.00
					6262392.71	2241711.48	5.00	0.00
					6262391.80	2241620.88	5.00	0.00
					6262376.35	2241620.88	5.00	0.00
AREASOURCE	CAR005	5.00	a		6262438.16	2241782.99	5.00	0.00
					6262435.13	2241620.57	5.00	0.00
					6262419.98	2241619.97	5.00	0.00
					6262423.01	2241783.59	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR006	5.00	a			6261869.22	2240625.84	5.00	0.00
						6261927.78	2240637.36	5.00	0.00
						6261979.30	2240642.48	5.00	0.00
						6262037.54	2240642.16	5.00	0.00
						6262097.06	2240642.48	5.00	0.00
						6262096.42	2240625.52	5.00	0.00
						6261988.26	2240625.52	5.00	0.00
						6261930.34	2240620.40	5.00	0.00
						6261872.10	2240608.56	5.00	0.00
AREASOURCE	CAR007	5.00	a			6261924.90	2240572.72	5.00	0.00
						6261921.70	2240590.64	5.00	0.00
						6261977.70	2240596.72	5.00	0.00
						6261990.18	2240597.68	5.00	0.00
						6262049.38	2240598.00	5.00	0.00
						6262048.74	2240580.08	5.00	0.00
						6261982.50	2240580.40	5.00	0.00
AREASOURCE	CAR008	5.00	a			6262090.98	2240594.80	5.00	0.00
						6262098.98	2240580.08	5.00	0.00
						6262026.34	2240542.64	5.00	0.00
						6261992.10	2240523.44	5.00	0.00
						6261971.30	2240501.36	5.00	0.00
						6261960.10	2240513.52	5.00	0.00
						6261979.62	2240534.96	5.00	0.00
						6261986.98	2240542.32	5.00	0.00
						6262018.02	2240558.32	5.00	0.00
AREASOURCE	CAR009	5.00	a			6261866.66	2240600.88	5.00	0.00
						6261922.02	2240486.64	5.00	0.00
						6261906.02	2240480.24	5.00	0.00
						6261851.30	2240593.20	5.00	0.00
AREASOURCE	CAR010	5.00	a			6261941.22	2240452.40	5.00	0.00
						6262001.38	2240482.16	5.00	0.00
						6262010.98	2240465.20	5.00	0.00
						6261947.62	2240435.12	5.00	0.00
AREASOURCE	CAR011	5.00	a			6262381.73	2240151.35	5.00	0.00
						6262372.78	2240168.22	5.00	0.00
						6262397.71	2240182.81	5.00	0.00
						6262408.55	2240165.22	5.00	0.00
AREASOURCE	CAR012	5.00	a			6262438.15	2240191.58	5.00	0.00
						6262455.73	2240191.58	5.00	0.00
						6262448.33	2239815.58	5.00	0.00
						6262431.22	2239816.04	5.00	0.00
AREASOURCE	CAR013	5.00	a			6262371.55	2239956.17	5.00	0.00
						6262378.49	2239940.91	5.00	0.00
						6262209.22	2239856.28	5.00	0.00
						6262201.82	2239872.46	5.00	0.00
AREASOURCE	CAR014	5.00	a			6262376.64	2239899.29	5.00	0.00
						6262385.43	2239883.56	5.00	0.00
						6262232.34	2239805.86	5.00	0.00
						6262223.56	2239822.51	5.00	0.00
AREASOURCE	CAR015	5.00	a			6262401.15	2239878.48	5.00	0.00
						6262400.69	2239851.65	5.00	0.00
						6262384.36	2239851.96	5.00	0.00
						6262384.10	2239879.04	5.00	0.00
AREASOURCE	CAR016	5.00	a			6263161.59	2238163.94	5.00	0.00
						6263729.58	2238163.94	5.00	0.00
						6263728.28	2238144.29	5.00	0.00
						6263161.59	2238146.48	5.00	0.00
AREASOURCE	CAR017	5.00	a			6263217.91	2238116.35	5.00	0.00
						6263246.73	2238116.79	5.00	0.00
						6263247.16	2238100.20	5.00	0.00
						6263219.66	2238099.76	5.00	0.00
AREASOURCE	CAR018	5.00	a			6263256.77	2238108.50	5.00	0.00
						6263272.92	2238108.06	5.00	0.00
						6263272.92	2238025.11	5.00	0.00
						6263255.02	2238027.29	5.00	0.00
AREASOURCE	CAR019	5.00	a			6263222.28	2238092.78	5.00	0.00
						6263250.65	2238048.25	5.00	0.00
						6263236.25	2238036.90	5.00	0.00
						6263207.00	2238083.61	5.00	0.00
AREASOURCE	CAR020	5.00	a			6263177.31	2238075.31	5.00	0.00
						6263317.89	2237865.76	5.00	0.00
						6263300.86	2237855.28	5.00	0.00
						6263165.08	2238066.15	5.00	0.00
AREASOURCE	CAR021	5.00	a			6263321.38	2237844.36	5.00	0.00
						6263321.38	2237861.83	5.00	0.00
						6263376.83	2237861.39	5.00	0.00
						6263375.95	2237845.67	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR022	5.00	a			6263387.74	2237870.56	5.00	0.00
						6263479.42	2237929.50	5.00	0.00
						6263489.46	2237914.22	5.00	0.00
						6263399.53	2237853.53	5.00	0.00
AREASOURCE	CAR023	5.00	a			6263534.87	2237962.68	5.00	0.00
						6263715.61	2238085.79	5.00	0.00
						6263726.53	2238070.08	5.00	0.00
						6263543.60	2237950.45	5.00	0.00
AREASOURCE	CAR024	5.00	a			6263652.31	2238107.19	5.00	0.00
						6263651.87	2238080.99	5.00	0.00
						6263633.97	2238080.55	5.00	0.00
						6263633.97	2238107.62	5.00	0.00
AREASOURCE	CAR025	5.00	a			6263605.60	2238108.06	5.00	0.00
						6263604.72	2238053.05	5.00	0.00
						6263585.51	2238053.92	5.00	0.00
						6263585.95	2238036.46	5.00	0.00
						6263567.18	2238035.15	5.00	0.00
						6263567.61	2238108.06	5.00	0.00
AREASOURCE	CAR026	5.00	a			6263539.24	2238108.50	5.00	0.00
						6263537.05	2238007.64	5.00	0.00
						6263517.41	2238007.21	5.00	0.00
						6263517.84	2237997.60	5.00	0.00
						6263500.38	2237999.35	5.00	0.00
						6263501.69	2238100.20	5.00	0.00
						6263519.15	2238098.89	5.00	0.00
						6263520.46	2238108.50	5.00	0.00
AREASOURCE	CAR027	5.00	a			6263434.46	2238108.50	5.00	0.00
						6263453.67	2238108.06	5.00	0.00
						6263453.67	2238100.64	5.00	0.00
						6263471.56	2238099.76	5.00	0.00
						6263470.69	2237963.55	5.00	0.00
						6263451.05	2237963.55	5.00	0.00
						6263452.36	2237954.38	5.00	0.00
						6263432.71	2237954.82	5.00	0.00
AREASOURCE	CAR028	5.00	a			6263368.97	2238107.62	5.00	0.00
						6263406.08	2238108.50	5.00	0.00
						6263402.58	2237916.40	5.00	0.00
						6263384.69	2237918.15	5.00	0.00
						6263384.69	2237908.54	5.00	0.00
						6263365.48	2237908.10	5.00	0.00
AREASOURCE	CAR029	5.00	a			6263302.61	2238108.50	5.00	0.00
						6263338.84	2238106.75	5.00	0.00
						6263337.10	2237926.44	5.00	0.00
						6263318.76	2237927.31	5.00	0.00
						6263317.89	2237944.78	5.00	0.00
						6263299.99	2237944.78	5.00	0.00
AREASOURCE	CAR030	5.00	a			6263206.20	2241722.79	5.00	0.00
						6263569.49	2241723.41	5.00	0.00
						6263569.49	2241686.21	5.00	0.00
						6263206.20	2241685.59	5.00	0.00
AREASOURCE	CAR031	5.00	a			6263205.58	2241659.56	5.00	0.00
						6263568.25	2241659.56	5.00	0.00
						6263567.63	2241622.98	5.00	0.00
						6263204.96	2241622.98	5.00	0.00
AREASOURCE	CAR032	5.00	a			6263203.10	2241595.70	5.00	0.00
						6263566.39	2241596.94	5.00	0.00
						6263567.01	2241559.13	5.00	0.00
						6263202.48	2241560.37	5.00	0.00
AREASOURCE	CAR033	5.00	a			6263201.86	2241534.33	5.00	0.00
						6263565.77	2241532.47	5.00	0.00
						6263565.77	2241494.65	5.00	0.00
						6263203.10	2241496.51	5.00	0.00
AREASOURCE	CAR034	5.00	a			6263149.79	2241650.88	5.00	0.00
						6263170.87	2241649.64	5.00	0.00
						6263171.49	2241578.34	5.00	0.00
						6263150.41	2241578.34	5.00	0.00
AREASOURCE	CAR035	5.00	a			6263148.55	2241524.41	5.00	0.00
						6263167.15	2241522.55	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263142.97	2241244.82	5.00	0.00
AREASOURCE	CAR036	5.00	a			6263202.48	2241469.23	5.00	0.00
						6263565.77	2241469.85	5.00	0.00
						6263563.91	2241433.28	5.00	0.00
						6263201.86	2241432.66	5.00	0.00
AREASOURCE	CAR037	5.00	a			6263201.24	2241405.38	5.00	0.00
						6263563.29	2241406.62	5.00	0.00
						6263564.53	2241368.80	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6263201.24	2241369.42	5.00	0.00
AREASOURCE	CAR038	5.00	a			6263200.62	2241341.53	5.00	0.00
						6263561.43	2241343.39	5.00	0.00
						6263562.67	2241305.57	5.00	0.00
						6263200.62	2241306.19	5.00	0.00
AREASOURCE	CAR039	5.00	a			6263200.00	2241278.29	5.00	0.00
						6263561.43	2241280.15	5.00	0.00
						6263560.81	2241243.58	5.00	0.00
						6263200.00	2241241.72	5.00	0.00
AREASOURCE	CAR040	5.00	a			6263600.48	2241523.17	5.00	0.00
						6263622.80	2241523.79	5.00	0.00
						6263617.84	2241217.54	5.00	0.00
						6263594.90	2241219.40	5.00	0.00
AREASOURCE	CAR041	5.00	a			6263161.57	2241215.68	5.00	0.00
						6263596.33	2241214.62	5.00	0.00
						6263597.20	2241197.70	5.00	0.00
						6263161.87	2241196.40	5.00	0.00
AREASOURCE	CAR042	5.00	a			6263142.97	2241244.82	5.00	0.00
						6263162.81	2241242.96	5.00	0.00
						6263161.57	2241215.68	5.00	0.00
						6263143.21	2241216.36	5.00	0.00
AREASOURCE	CAR043	5.00	a			6263697.77	2239646.90	5.00	0.00
						6263735.80	2239646.14	5.00	0.00
						6263721.35	2238869.70	5.00	0.00
						6263684.84	2238869.70	5.00	0.00
AREASOURCE	CAR044	5.00	a			6263758.61	2239658.31	5.00	0.00
						6263782.18	2239655.27	5.00	0.00
						6263767.74	2238861.33	5.00	0.00
						6263746.44	2238862.85	5.00	0.00
AREASOURCE	CAR045	5.00	a			6264438.31	2241650.71	5.00	0.00
						6264436.03	2241675.76	5.00	0.00
						6264631.88	2241673.49	5.00	0.00
						6264629.61	2241649.57	5.00	0.00
AREASOURCE	CAR046	5.00	a			6264619.36	2241614.27	5.00	0.00
						6264640.99	2241615.41	5.00	0.00
						6264638.30	2241407.25	5.00	0.00
						6264617.47	2241406.55	5.00	0.00
AREASOURCE	CAR047	5.00	a			6264678.58	2241475.30	5.00	0.00
						6264896.64	2241472.53	5.00	0.00
						6264897.33	2241438.50	5.00	0.00
						6264679.27	2241441.97	5.00	0.00
AREASOURCE	CAR048	5.00	a			6264678.58	2241414.19	5.00	0.00
						6264898.02	2241414.19	5.00	0.00
						6264896.64	2241378.08	5.00	0.00
						6264678.58	2241382.25	5.00	0.00
AREASOURCE	CAR049	5.00	a			6264939.00	2241457.94	5.00	0.00
						6264969.55	2241457.25	5.00	0.00
						6264967.47	2241330.17	5.00	0.00
						6264938.30	2241326.69	5.00	0.00
AREASOURCE	CAR050	5.00	a			6264996.64	2241463.50	5.00	0.00
						6265042.47	2241462.80	5.00	0.00
						6265039.00	2241326.69	5.00	0.00
						6264994.55	2241323.92	5.00	0.00
AREASOURCE	CAR051	5.00	a			6265066.77	2241460.72	5.00	0.00
						6265088.30	2241460.03	5.00	0.00
						6265084.14	2241323.92	5.00	0.00
						6265063.30	2241323.92	5.00	0.00
AREASOURCE	CAR052	5.00	a			6264682.75	2241348.22	5.00	0.00
						6264889.69	2241346.83	5.00	0.00
						6264887.61	2241315.58	5.00	0.00
						6264680.66	2241317.67	5.00	0.00
AREASOURCE	CAR053	5.00	a			6264684.83	2241287.11	5.00	0.00
						6264861.22	2241289.89	5.00	0.00
						6264861.22	2241251.69	5.00	0.00
						6264682.05	2241252.39	5.00	0.00
AREASOURCE	CAR054	5.00	a			6264679.97	2241230.86	5.00	0.00
						6264909.83	2241229.47	5.00	0.00
						6264912.61	2241209.33	5.00	0.00
						6264677.19	2241207.94	5.00	0.00
AREASOURCE	CAR055	5.00	a			6264676.50	2241155.86	5.00	0.00
						6264906.36	2241157.94	5.00	0.00
						6264907.05	2241137.80	5.00	0.00
						6264675.80	2241139.89	5.00	0.00
AREASOURCE	CAR056	5.00	a			6264682.75	2241107.94	5.00	0.00
						6264908.44	2241109.33	5.00	0.00
						6264909.14	2241079.47	5.00	0.00
						6264682.75	2241082.94	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
AREASOURCE	CAR057	5.00	a			6264693.16	2241049.61	5.00	0.00
						6264908.44	2241051.00	5.00	0.00
						6264909.83	2241018.36	5.00	0.00
						6264689.69	2241018.36	5.00	0.00
AREASOURCE	CAR058	5.00	a			6264694.55	2240987.80	5.00	0.00
						6264907.75	2240988.50	5.00	0.00
						6264907.75	2240954.47	5.00	0.00
						6264696.64	2240957.25	5.00	0.00
AREASOURCE	CAR059	5.00	a			6264689.00	2240924.61	5.00	0.00
						6264913.30	2240921.14	5.00	0.00
						6264911.22	2240890.58	5.00	0.00
						6264690.39	2240896.83	5.00	0.00
AREASOURCE	CAR060	5.00	a			6264952.19	2241098.92	5.00	0.00
						6264973.72	2241098.92	5.00	0.00
						6264973.72	2241026.69	5.00	0.00
						6264951.50	2241025.30	5.00	0.00
AREASOURCE	CAR061	5.00	a			6264979.27	2241290.58	5.00	0.00
						6265061.22	2241289.89	5.00	0.00
						6265059.83	2241269.75	5.00	0.00
						6264981.36	2241269.75	5.00	0.00
AREASOURCE	CAR062	5.00	a			6264962.61	2240969.05	5.00	0.00
						6265080.66	2240969.75	5.00	0.00
						6265080.66	2240944.75	5.00	0.00
						6264962.61	2240948.92	5.00	0.00
AREASOURCE	CAR063	5.00	a			6265057.05	2240746.83	5.00	0.00
						6265061.91	2240933.64	5.00	0.00
						6265082.75	2240931.55	5.00	0.00
						6265084.14	2240744.75	5.00	0.00
AREASOURCE	CAR064	5.00	a			6264961.91	2240920.44	5.00	0.00
						6265032.05	2240922.53	5.00	0.00
						6265030.66	2240885.72	5.00	0.00
						6264965.39	2240889.89	5.00	0.00
AREASOURCE	CAR065	5.00	a			6264962.61	2240860.72	5.00	0.00
						6265027.19	2240860.72	5.00	0.00
						6265029.27	2240826.69	5.00	0.00
						6264959.83	2240827.39	5.00	0.00
AREASOURCE	CAR066	5.00	a			6264966.77	2240737.11	5.00	0.00
						6265057.05	2240746.83	5.00	0.00
						6265059.83	2240720.44	5.00	0.00
						6264965.39	2240721.14	5.00	0.00
AREASOURCE	CAR067	5.00	a			6264702.19	2240866.97	5.00	0.00
						6264906.36	2240863.50	5.00	0.00
						6264906.36	2240829.47	5.00	0.00
						6264701.50	2240835.72	5.00	0.00
AREASOURCE	CAR068	5.00	a			6264701.50	2240804.47	5.00	0.00
						6264909.83	2240803.78	5.00	0.00
						6264909.14	2240771.83	5.00	0.00
						6264700.80	2240778.78	5.00	0.00
AREASOURCE	CAR069	5.00	a			6264703.58	2240748.22	5.00	0.00
						6264906.36	2240748.92	5.00	0.00
						6264905.66	2240722.53	5.00	0.00
						6264702.89	2240726.00	5.00	0.00
AREASOURCE	CAR070	5.00	a			6264720.94	2240695.44	5.00	0.00
						6264902.19	2240697.53	5.00	0.00
						6264902.89	2240662.80	5.00	0.00
						6264723.72	2240662.80	5.00	0.00
AREASOURCE	CAR071	5.00	a			6264711.22	2240630.86	5.00	0.00
						6264902.19	2240630.17	5.00	0.00
						6264904.27	2240597.53	5.00	0.00
						6264711.91	2240599.61	5.00	0.00
AREASOURCE	CAR072	5.00	a			6264707.75	2240571.83	5.00	0.00
						6264904.27	2240569.75	5.00	0.00
						6264902.19	2240535.72	5.00	0.00
						6264709.14	2240537.11	5.00	0.00
AREASOURCE	CAR073	5.00	a			6264960.52	2240694.75	5.00	0.00
						6265034.83	2240688.50	5.00	0.00
						6265037.61	2240660.72	5.00	0.00
						6264964.69	2240662.11	5.00	0.00
AREASOURCE	CAR074	5.00	a			6264968.86	2240798.92	5.00	0.00
						6265033.44	2240798.22	5.00	0.00
						6265034.14	2240771.14	5.00	0.00
						6264966.77	2240771.83	5.00	0.00
AREASOURCE	CAR075	5.00	a			6264979.27	2240628.78	5.00	0.00
						6265071.64	2240628.08	5.00	0.00
						6265067.47	2240610.03	5.00	0.00
						6264979.27	2240614.19	5.00	0.00
AREASOURCE	CAR076	5.00	a			6264386.22	2240519.75	5.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6264636.91	2240519.05	5.00	0.00
						6264637.61	2240495.44	5.00	0.00
						6264386.91	2240494.75	5.00	0.00
AREASOURCE	CAR077	5.00	a			6263912.96	2240345.45	5.00	0.00
						6263947.52	2240345.87	5.00	0.00
						6263946.69	2240230.09	5.00	0.00
						6263916.71	2240228.43	5.00	0.00
AREASOURCE	CAR078	5.00	a			6263978.76	2240344.20	5.00	0.00
						6264010.83	2240342.53	5.00	0.00
						6264008.74	2240225.93	5.00	0.00
						6263979.59	2240227.59	5.00	0.00
AREASOURCE	CAR079	5.00	a			6264042.89	2240342.95	5.00	0.00
						6264078.29	2240344.62	5.00	0.00
						6264076.21	2240230.92	5.00	0.00
						6264042.89	2240233.01	5.00	0.00
AREASOURCE	CAR080	5.00	a			6264109.53	2240344.20	5.00	0.00
						6264142.01	2240344.62	5.00	0.00
						6264139.51	2240233.84	5.00	0.00
						6264108.28	2240234.26	5.00	0.00
AREASOURCE	CAR081	5.00	a			6264172.83	2240342.95	5.00	0.00
						6264202.40	2240343.78	5.00	0.00
						6264201.56	2240231.34	5.00	0.00
						6264171.99	2240231.34	5.00	0.00
AREASOURCE	CAR082	5.00	a			6264236.13	2240342.12	5.00	0.00
						6264267.78	2240342.12	5.00	0.00
						6264261.53	2240225.51	5.00	0.00
						6264233.21	2240225.09	5.00	0.00
AREASOURCE	CAR083	5.00	a			6264298.60	2240339.62	5.00	0.00
						6264324.83	2240339.20	5.00	0.00
						6264326.08	2240227.59	5.00	0.00
						6264297.76	2240226.76	5.00	0.00
AREASOURCE	CAR084	5.00	a			6264375.64	2240331.71	5.00	0.00
						6264415.20	2240331.71	5.00	0.00
						6264413.96	2240186.36	5.00	0.00
						6264373.98	2240186.36	5.00	0.00
AREASOURCE	CAR085	5.00	a			6264446.86	2240322.55	5.00	0.00
						6264477.67	2240322.96	5.00	0.00
						6264474.76	2240193.44	5.00	0.00
						6264442.27	2240190.53	5.00	0.00
AREASOURCE	CAR086	5.00	a			6264508.07	2240316.30	5.00	0.00
						6264539.31	2240317.55	5.00	0.00
						6264541.39	2240195.53	5.00	0.00
						6264509.74	2240193.03	5.00	0.00
AREASOURCE	CAR087	5.00	a			6264570.54	2240314.22	5.00	0.00
						6264600.53	2240314.22	5.00	0.00
						6264603.44	2240191.78	5.00	0.00
						6264575.12	2240190.95	5.00	0.00
AREASOURCE	CAR088	5.00	a			6264633.84	2240315.05	5.00	0.00
						6264658.41	2240315.05	5.00	0.00
						6264655.08	2240194.69	5.00	0.00
						6264635.09	2240192.61	5.00	0.00
AREASOURCE	CAR089	5.00	a			6264735.46	2240315.05	5.00	0.00
						6264733.38	2240183.03	5.00	0.00
						6264714.64	2240182.20	5.00	0.00
						6264717.14	2240313.80	5.00	0.00
AREASOURCE	CAR090	5.00	a			6264782.10	2240330.46	5.00	0.00
						6264888.71	2240331.71	5.00	0.00
						6264888.30	2240296.72	5.00	0.00
						6264784.18	2240295.89	5.00	0.00
AREASOURCE	CAR091	5.00	a			6264780.85	2240264.24	5.00	0.00
						6264885.38	2240262.58	5.00	0.00
						6264887.47	2240224.26	5.00	0.00
						6264778.35	2240228.01	5.00	0.00
AREASOURCE	CAR092	5.00	a			6264782.94	2240193.86	5.00	0.00
						6264886.63	2240194.28	5.00	0.00
						6264887.47	2240177.20	5.00	0.00
						6264782.10	2240177.20	5.00	0.00
AREASOURCE	CAR093	5.00	a			6264929.11	2240360.86	5.00	0.00
						6264949.10	2240360.86	5.00	0.00
						6264947.85	2240253.83	5.00	0.00
						6264928.69	2240253.83	5.00	0.00
AREASOURCE	CAR094	5.00	a			6265020.31	2240221.76	5.00	0.00
						6265041.55	2240220.51	5.00	0.00
						6265039.89	2240158.46	5.00	0.00
						6265019.07	2240160.13	5.00	0.00
AREASOURCE	CAR095	5.00	a			6264780.02	2240145.55	5.00	0.00
						6264885.80	2240144.72	5.00	0.00

Name	ID	Height			Coordinates			
		Begin		End	x	y	z	Ground
		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)
					6264883.72	2240114.73	5.00	0.00
					6264785.02	2240119.73	5.00	0.00
AREASOURCE	CAR096	5.00	a		6264929.94	2240124.31	5.00	0.00
					6264951.60	2240124.73	5.00	0.00
					6264949.93	2240006.87	5.00	0.00
					6264929.11	2240007.70	5.00	0.00
AREASOURCE	CAR097	5.00	a		6264766.28	2240078.09	5.00	0.00
					6264887.05	2240081.00	5.00	0.00
					6264887.88	2240042.27	5.00	0.00
					6264768.78	2240046.43	5.00	0.00
AREASOURCE	CAR098	5.00	a		6264782.94	2240015.20	5.00	0.00
					6264883.30	2240013.12	5.00	0.00
					6264883.72	2239972.72	5.00	0.00
					6264781.69	2239975.64	5.00	0.00
AREASOURCE	CAR099	5.00	a		6264385.64	2240121.40	5.00	0.00
					6264668.41	2240115.98	5.00	0.00
					6264668.41	2240098.91	5.00	0.00
					6264386.47	2240100.57	5.00	0.00
AREASOURCE	CAR100	5.00	a		6264386.05	2240071.01	5.00	0.00
					6264688.40	2240069.34	5.00	0.00
					6264691.73	2240055.18	5.00	0.00
					6264711.30	2240050.18	5.00	0.00
					6264710.06	2240036.44	5.00	0.00
					6264385.22	2240042.69	5.00	0.00
AREASOURCE	CAR101	5.00	a		6264385.64	2240010.62	5.00	0.00
					6264718.38	2240011.04	5.00	0.00
					6264717.14	2239972.72	5.00	0.00
					6264385.22	2239972.72	5.00	0.00
AREASOURCE	CAR102	5.00	a		6263899.22	2240387.93	5.00	0.00
					6264651.75	2240386.26	5.00	0.00
					6264650.09	2240363.77	5.00	0.00
					6263894.63	2240370.85	5.00	0.00
AREASOURCE	CAR103	5.00	a		6264384.80	2239942.74	5.00	0.00
					6264716.72	2239941.90	5.00	0.00
					6264714.22	2239911.09	5.00	0.00
					6264386.47	2239915.67	5.00	0.00
AREASOURCE	CAR104	5.00	a		6264784.18	2239941.90	5.00	0.00
					6264969.92	2239941.90	5.00	0.00
					6264970.34	2239911.50	5.00	0.00
					6264782.52	2239913.59	5.00	0.00
AREASOURCE	CAR105	5.00	a		6264783.77	2239879.85	5.00	0.00
					6265010.74	2239875.27	5.00	0.00
					6265011.99	2239854.45	5.00	0.00
					6264782.94	2239857.78	5.00	0.00
AREASOURCE	CAR106	5.00	a		6265015.32	2239976.47	5.00	0.00
					6265034.89	2239973.56	5.00	0.00
					6265029.89	2239879.85	5.00	0.00
					6265010.32	2239882.35	5.00	0.00
AREASOURCE	CAR107	5.00	a		6264425.62	2239881.52	5.00	0.00
					6264715.47	2239879.44	5.00	0.00
					6264715.47	2239843.20	5.00	0.00
					6264424.37	2239851.12	5.00	0.00
AREASOURCE	CAR108	5.00	a		6264385.64	2239811.55	5.00	0.00
					6264714.64	2239811.14	5.00	0.00
					6264712.14	2239776.57	5.00	0.00
					6264384.39	2239779.90	5.00	0.00
AREASOURCE	CAR109	5.00	a		6264383.97	2239749.09	5.00	0.00
					6264712.14	2239742.84	5.00	0.00
					6264713.39	2239713.27	5.00	0.00
					6264383.14	2239716.60	5.00	0.00
AREASOURCE	CAR110	5.00	a		6264384.39	2239685.78	5.00	0.00
					6264709.22	2239683.70	5.00	0.00
					6264713.39	2239650.39	5.00	0.00
					6264384.80	2239656.22	5.00	0.00
AREASOURCE	CAR111	5.00	a		6264383.55	2239620.82	5.00	0.00
					6264710.47	2239621.23	5.00	0.00
					6264712.55	2239582.92	5.00	0.00
					6264382.30	2239589.17	5.00	0.00
AREASOURCE	DRY001	8.00	a		6261585.67	2243876.02	8.00	0.00
					6261832.75	2243868.74	8.00	0.00
					6261826.66	2243168.18	8.00	0.00
					6262520.88	2243149.96	8.00	0.00
					6262500.40	2241930.52	8.00	0.00
					6262475.24	2241902.85	8.00	0.00
					6261818.62	2241928.00	8.00	0.00
					6261715.47	2241930.52	8.00	0.00
					6261637.48	2241917.94	8.00	0.00

Name	ID	Height			Coordinates			
		Begin		End	x	y	z	Ground
		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)
					6261478.99	2241880.20	8.00	0.00
					6261381.57	2241858.91	8.00	0.00
					6261325.43	2242078.46	8.00	0.00
					6261301.04	2242198.65	8.00	0.00
					6261277.87	2242501.71	8.00	0.00
					6261278.62	2242848.75	8.00	0.00
					6261282.15	2243218.16	8.00	0.00
					6261288.35	2243360.14	8.00	0.00
					6261300.32	2243424.19	8.00	0.00
					6261333.50	2243522.68	8.00	0.00
					6261394.68	2243634.42	8.00	0.00
					6261502.67	2243772.73	8.00	0.00
AREASOURCE	DRY002	8.00	a		6262520.88	2243149.96	8.00	0.00
					6262532.63	2243849.89	8.00	0.00
					6262523.16	2243149.90	8.00	0.00
AREASOURCE	DRY003	8.00	a		6262606.60	2243846.62	8.00	0.00
					6262611.91	2244414.34	8.00	0.00
					6262651.20	2244446.42	8.00	0.00
					6263823.69	2244411.63	8.00	0.00
					6263847.16	2244393.40	8.00	0.00
					6263824.63	2241882.86	8.00	0.00
					6262601.03	2241905.36	8.00	0.00
					6262580.91	2241925.49	8.00	0.00
AREASOURCE	DRY004	8.00	a		6263998.39	2239719.51	8.00	0.00
					6264093.87	2239717.34	8.00	0.00
					6264093.87	2239736.87	8.00	0.00
					6264254.46	2239736.87	8.00	0.00
					6264280.50	2239710.83	8.00	0.00
					6264292.35	2239677.04	8.00	0.00
					6264234.88	2239619.57	8.00	0.00
					6264000.56	2239624.03	8.00	0.00
AREASOURCE	DRY005	8.00	a		6262873.73	2238851.19	8.00	0.00
					6263492.96	2238853.78	8.00	0.00
					6263492.96	2238808.93	8.00	0.00
					6262872.87	2238805.48	8.00	0.00
AREASOURCE	DRY006	8.00	a		6262853.90	2238996.08	8.00	0.00
					6263530.91	2238988.32	8.00	0.00
					6263530.91	2238931.39	8.00	0.00
					6262855.62	2238935.71	8.00	0.00
AREASOURCE	DRY007	8.00	a		6262889.26	2239708.45	8.00	0.00
					6263511.93	2239710.17	8.00	0.00
					6263511.07	2239655.84	8.00	0.00
					6262888.39	2239654.98	8.00	0.00
AREASOURCE	DRY008	8.00	a		6262864.25	2239573.04	8.00	0.00
					6263542.12	2239575.63	8.00	0.00
					6263543.84	2239562.70	8.00	0.00
					6263541.25	2239502.32	8.00	0.00
					6262861.66	2239512.67	8.00	0.00
AREASOURCE	DRY009	8.00	a		6263678.28	2240940.15	8.00	0.00
					6263713.00	2240940.15	8.00	0.00
					6263693.47	2239779.13	8.00	0.00
					6263660.92	2239779.13	8.00	0.00
AREASOURCE	DRY010	8.00	a		6263591.82	2240540.60	8.00	0.00
					6263629.31	2240538.82	8.00	0.00
					6263617.70	2239783.63	8.00	0.00
					6263579.32	2239783.63	8.00	0.00
AREASOURCE	DRY011	8.00	a		6263494.52	2240541.50	8.00	0.00
					6263565.04	2240539.71	8.00	0.00
					6263548.97	2239787.20	8.00	0.00
					6263479.34	2239785.42	8.00	0.00
AREASOURCE	DRY012	8.00	a		6263393.65	2240540.60	8.00	0.00
					6263459.70	2240539.71	8.00	0.00
					6263448.10	2239785.42	8.00	0.00
					6263381.15	2239785.42	8.00	0.00
AREASOURCE	DRY013	8.00	a		6262914.29	2240155.87	8.00	0.00
					6263045.51	2240154.08	8.00	0.00
					6263039.26	2239771.13	8.00	0.00
					6262908.93	2239773.81	8.00	0.00
AREASOURCE	DRY014	8.00	a		6262919.65	2240580.77	8.00	0.00
					6263052.65	2240578.99	8.00	0.00
					6263045.51	2240196.04	8.00	0.00
					6262916.97	2240196.93	8.00	0.00
AREASOURCE	DRY015	8.00	a		6262709.87	2240159.44	8.00	0.00
					6262843.77	2240157.65	8.00	0.00
					6262836.63	2239776.49	8.00	0.00
					6262709.87	2239778.27	8.00	0.00
AREASOURCE	DRY016	8.00	a		6262717.90	2240582.56	8.00	0.00

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
						6262850.91	2240579.88	8.00	0.00
						6262844.66	2240200.50	8.00	0.00
						6262708.98	2240204.07	8.00	0.00
AREASOURCE	DRY017	8.00	a			6262587.58	2240628.08	8.00	0.00
						6262654.53	2240629.87	8.00	0.00
						6262640.24	2239749.71	8.00	0.00
						6262575.97	2239750.60	8.00	0.00
AREASOURCE	DRY018	8.00	a			6263253.69	2240559.29	8.00	0.00
						6263318.66	2240559.29	8.00	0.00
						6263308.24	2239780.54	8.00	0.00
						6263247.96	2239779.23	8.00	0.00
AREASOURCE	DRY019	8.00	a			6263186.55	2241034.11	8.00	0.00
						6263163.83	2239781.14	8.00	0.00
						6263103.38	2239784.01	8.00	0.00
						6263120.65	2241033.26	8.00	0.00
AREASOURCE	DRY020	8.00	a			6262935.34	2241332.68	8.00	0.00
						6263065.05	2241331.71	8.00	0.00
						6263058.23	2240816.75	8.00	0.00
						6262928.51	2240814.80	8.00	0.00
AREASOURCE	DRY021	8.00	a			6262942.16	2241773.52	8.00	0.00
						6263004.58	2241772.55	8.00	0.00
						6262997.76	2241389.25	8.00	0.00
						6262937.29	2241391.20	8.00	0.00
AREASOURCE	DRY022	8.00	a			6262733.45	2241331.71	8.00	0.00
						6262868.04	2241331.71	8.00	0.00
						6262856.34	2240812.84	8.00	0.00
						6262726.62	2240810.89	8.00	0.00
AREASOURCE	DRY023	8.00	a			6262741.25	2241724.76	8.00	0.00
						6262874.87	2241724.76	8.00	0.00
						6262868.04	2241378.52	8.00	0.00
						6262735.40	2241380.47	8.00	0.00
AREASOURCE	DRY024	8.00	a			6262611.53	2241770.60	8.00	0.00
						6262672.98	2241769.62	8.00	0.00
						6262655.42	2240774.81	8.00	0.00
						6262593.00	2240776.76	8.00	0.00
AREASOURCE	DRY025	8.00	a			6263041.14	2238787.01	8.00	0.00
						6263726.17	2238785.81	8.00	0.00
						6263726.17	2238730.82	8.00	0.00
						6263038.75	2238732.02	8.00	0.00
AREASOURCE	DRY026	8.00	a			6263124.51	2238591.66	8.00	0.00
						6263128.41	2238659.09	8.00	0.00
						6263636.51	2238656.70	8.00	0.00
						6263632.42	2238585.58	8.00	0.00
AREASOURCE	DRY027	8.00	a			6262400.95	2240612.62	8.00	0.00
						6262468.52	2240611.57	8.00	0.00
						6262464.30	2240547.16	8.00	0.00
						6262399.89	2240548.21	8.00	0.00
AREASOURCE	DRY028	8.00	a			6262308.03	2239648.60	8.00	0.00
						6262376.81	2239682.09	8.00	0.00
						6262406.23	2239630.65	8.00	0.00
						6262333.37	2239592.64	8.00	0.00
AREASOURCE	DRY029	8.00	a			6262270.02	2240123.75	8.00	0.00
						6262242.56	2240181.82	8.00	0.00
						6262380.88	2240248.34	8.00	0.00
						6262410.45	2240190.27	8.00	0.00
						6262367.16	2240164.93	8.00	0.00
AREASOURCE	DRY030	8.00	a			6262232.01	2240318.03	8.00	0.00
						6262403.45	2240398.77	8.00	0.00
						6262431.57	2240342.32	8.00	0.00
						6262266.85	2240261.01	8.00	0.00
AREASOURCE	DRY031	8.00	a			6261629.71	2241292.57	8.00	0.00
						6261676.73	2241310.07	8.00	0.00
						6261747.80	2241128.57	8.00	0.00
						6261730.30	2241120.92	8.00	0.00
						6261749.98	2241066.25	8.00	0.00
						6261711.72	2241053.13	8.00	0.00
AREASOURCE	DRY032	8.00	a			6262469.41	2241571.38	8.00	0.00
						6262462.85	2240912.09	8.00	0.00
						6262403.81	2240913.18	8.00	0.00
						6262411.46	2241572.47	8.00	0.00
AREASOURCE	DRY033	8.00	a			6262284.63	2241594.34	8.00	0.00
						6262348.05	2241593.25	8.00	0.00
						6262339.30	2240979.88	8.00	0.00
						6262325.09	2240976.60	8.00	0.00
						6262279.16	2240976.60	8.00	0.00
AREASOURCE	DRY034	8.00	a			6261869.16	2241601.99	8.00	0.00
						6261858.43	2240983.06	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6261794.81	2240984.25	8.00	0.00
				6261802.46	2241604.18	8.00	0.00
				6261818.86	2241601.99	8.00	0.00

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00019	x	0		45.00	a	6261818.86	2241709.14	45.00	0.00
									6262337.11	2241701.49	45.00	0.00
									6262334.93	2241593.25	45.00	0.00
									6262284.63	2241594.34	45.00	0.00
									6262279.16	2240976.60	45.00	0.00
									6262325.09	2240976.60	45.00	0.00
									6262326.18	2240836.65	45.00	0.00
									6261856.04	2240845.39	45.00	0.00
									6261869.16	2241601.99	45.00	0.00
									6261818.86	2241601.99	45.00	0.00
BUILDING			BUILDING00020	x	0		45.00	a	6262036.67	2240498.59	45.00	0.00
									6262302.75	2240630.57	45.00	0.00
									6262413.62	2240403.56	45.00	0.00
									6262232.01	2240318.03	45.00	0.00
									6262258.40	2240274.74	45.00	0.00
									6262069.40	2240181.82	45.00	0.00
									6261953.25	2240415.17	45.00	0.00
									6262051.45	2240466.91	45.00	0.00
BUILDING			BUILDING00021	x	0		45.00	a	6262092.63	2240087.85	45.00	0.00
									6262248.90	2240168.10	45.00	0.00
									6262270.02	2240123.75	45.00	0.00
									6262367.16	2240164.93	45.00	0.00
									6262406.23	2240086.79	45.00	0.00
									6262404.11	2239991.76	45.00	0.00
									6262188.71	2239886.18	45.00	0.00
BUILDING			BUILDING00022	x	0		45.00	a	6262234.12	2239796.43	45.00	0.00
									6262373.49	2239867.17	45.00	0.00
									6262399.89	2239818.60	45.00	0.00
									6262396.72	2239755.25	45.00	0.00
									6262359.77	2239736.24	45.00	0.00
									6262388.28	2239687.67	45.00	0.00
									6262308.03	2239648.60	45.00	0.00
BUILDING			BUILDING00023	x	0		45.00	a	6263015.11	2238643.76	45.00	0.00
									6263125.38	2238642.02	45.00	0.00
									6263124.51	2238591.66	45.00	0.00
									6263632.42	2238585.58	45.00	0.00
									6263633.29	2238632.47	45.00	0.00
									6263742.69	2238632.47	45.00	0.00
									6263734.01	2238172.31	45.00	0.00
									6263094.99	2238182.73	45.00	0.00
									6263010.77	2238307.75	45.00	0.00
BUILDING			BUILDING00024	x	0		45.00	a	6263188.69	2241151.98	45.00	0.00
									6263603.57	2241151.98	45.00	0.00
									6263599.75	2240559.29	45.00	0.00
									6263253.69	2240559.29	45.00	0.00
									6263247.96	2239779.23	45.00	0.00
									6263163.83	2239781.14	45.00	0.00
BUILDING			BUILDING00025	x	0		30.00	a	6262746.09	2239577.36	30.00	0.00
									6262864.25	2239573.04	30.00	0.00
									6262861.66	2239512.67	30.00	0.00
									6263541.25	2239502.32	30.00	0.00
									6263543.84	2239562.70	30.00	0.00
									6263648.20	2239558.38	30.00	0.00
									6263643.02	2238925.36	30.00	0.00
									6263530.91	2238931.39	30.00	0.00
									6263530.91	2238988.32	30.00	0.00
									6262853.90	2238996.08	30.00	0.00
									6262855.62	2238935.71	30.00	0.00
									6262735.74	2238936.57	30.00	0.00
									6262736.61	2238996.94	30.00	0.00
									6262727.12	2238996.94	30.00	0.00
BUILDING			BUILDING00026	x	0		30.00	a	6264398.46	2241634.77	30.00	0.00
									6264436.03	2241635.91	30.00	0.00
									6264447.42	2241621.11	30.00	0.00
									6264602.28	2241616.55	30.00	0.00
									6264595.45	2241393.37	30.00	0.00
									6264611.39	2241391.10	30.00	0.00
									6264605.69	2241036.97	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264622.77	2241038.11	30.00	0.00
									6264620.50	2240794.44	30.00	0.00
									6264640.99	2240794.44	30.00	0.00
									6264637.58	2240579.23	30.00	0.00
									6264391.63	2240579.23	30.00	0.00
									6264392.76	2240617.94	30.00	0.00
									6264422.37	2240617.94	30.00	0.00
									6264421.23	2240800.13	30.00	0.00
									6264400.74	2240798.99	30.00	0.00
									6264399.60	2241040.39	30.00	0.00
									6264425.79	2241039.25	30.00	0.00
									6264424.65	2241131.48	30.00	0.00
									6264397.32	2241132.62	30.00	0.00
									6264393.90	2241153.12	30.00	0.00
									6264473.61	2241155.39	30.00	0.00
									6264472.47	2241271.54	30.00	0.00
									6264425.79	2241272.68	30.00	0.00
									6264425.79	2241294.31	30.00	0.00
									6264405.29	2241295.45	30.00	0.00
									6264404.15	2241315.94	30.00	0.00
									6264433.76	2241315.94	30.00	0.00
									6264433.76	2241396.79	30.00	0.00
									6264454.25	2241388.82	30.00	0.00
									6264454.25	2241409.32	30.00	0.00
									6264477.03	2241425.26	30.00	0.00
									6264473.61	2241561.90	30.00	0.00
									6264398.46	2241565.31	30.00	0.00
BUILDING			BUILDING00027	x	0		30.00	a	6264785.60	2241714.48	30.00	0.00
									6264852.78	2241713.34	30.00	0.00
									6264850.51	2241643.88	30.00	0.00
									6264784.46	2241641.60	30.00	0.00
BUILDING			BUILDING00028	x	0		30.00	a	6264881.25	2241715.62	30.00	0.00
									6265024.72	2241714.48	30.00	0.00
									6265023.58	2241687.15	30.00	0.00
									6264999.67	2241655.27	30.00	0.00
									6264917.69	2241655.27	30.00	0.00
									6264897.19	2241642.74	30.00	0.00
									6264880.11	2241641.60	30.00	0.00
BUILDING			BUILDING00029	x	0		30.00	a	6265019.03	2241619.97	30.00	0.00
									6265081.66	2241622.25	30.00	0.00
									6265077.10	2241532.29	30.00	0.00
									6265006.50	2241531.15	30.00	0.00
									6265006.50	2241561.90	30.00	0.00
									6265022.45	2241560.76	30.00	0.00
BUILDING			BUILDING00030	x	0		30.00	a	6264767.38	2241609.72	30.00	0.00
									6264822.04	2241608.58	30.00	0.00
									6264820.90	2241544.82	30.00	0.00
									6264766.25	2241547.09	30.00	0.00
BUILDING			BUILDING00031	x	0		30.00	a	6264844.81	2241612.00	30.00	0.00
									6264875.56	2241608.58	30.00	0.00
									6264885.81	2241592.64	30.00	0.00
									6264894.92	2241588.09	30.00	0.00
									6264915.41	2241586.95	30.00	0.00
									6264915.41	2241544.82	30.00	0.00
									6264845.95	2241544.82	30.00	0.00
BUILDING			BUILDING00032	x	0		30.00	a	6264983.73	2241260.15	30.00	0.00
									6265056.61	2241260.15	30.00	0.00
									6265061.16	2241235.10	30.00	0.00
									6264983.73	2241235.10	30.00	0.00
BUILDING			BUILDING00033	x	0		30.00	a	6264981.45	2241128.07	30.00	0.00
									6265058.88	2241125.79	30.00	0.00
									6265058.88	2241006.23	30.00	0.00
									6264996.26	2241003.95	30.00	0.00
									6264996.26	2241103.01	30.00	0.00
									6264981.45	2241105.29	30.00	0.00
BUILDING			BUILDING00034	x	0		30.00	a	6264986.01	2240603.14	30.00	0.00
									6265066.85	2240599.73	30.00	0.00
									6265067.99	2240523.43	30.00	0.00
									6264984.87	2240524.57	30.00	0.00
									6264982.59	2240532.54	30.00	0.00
									6264972.34	2240530.27	30.00	0.00
									6264973.48	2240582.65	30.00	0.00
									6264987.15	2240579.23	30.00	0.00
BUILDING			BUILDING00035	x	0		30.00	a	6263946.30	2240147.03	30.00	0.00
									6264030.94	2240144.86	30.00	0.00
									6264030.94	2240183.92	30.00	0.00
									6264185.02	2240179.58	30.00	0.00

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
									6264189.36	2240138.35	30.00	0.00
									6264254.46	2240140.52	30.00	0.00
									6264289.19	2240112.31	30.00	0.00
									6264280.50	2239875.76	30.00	0.00
									6264323.91	2239871.42	30.00	0.00
									6264326.08	2239706.49	30.00	0.00
									6264280.50	2239710.83	30.00	0.00
									6264254.46	2239736.87	30.00	0.00
									6264093.87	2239736.87	30.00	0.00
									6264093.87	2239717.34	30.00	0.00
									6263998.39	2239719.51	30.00	0.00
									6264000.56	2239624.03	30.00	0.00
									6263944.13	2239626.20	30.00	0.00
BUILDING			BUILDING00036	x	0		30.00	a	6264970.61	2240352.32	30.00	0.00
									6265026.60	2240349.72	30.00	0.00
									6265022.69	2240255.97	30.00	0.00
									6264969.31	2240259.88	30.00	0.00
BUILDING			BUILDING00037	x	0		30.00	a	6264966.70	2240115.35	30.00	0.00
									6265022.69	2240115.35	30.00	0.00
									6265018.79	2240025.50	30.00	0.00
									6264961.49	2240024.20	30.00	0.00
BUILDING			BUILDING00038	x	0		30.00	a	6264975.83	2239763.78	30.00	0.00
									6265024.21	2239759.38	30.00	0.00
									6265027.50	2239551.58	30.00	0.00
									6264973.63	2239554.88	30.00	0.00

APPENDIX 10.1:

PHASE 1 - CONSTRUCTION NOISE CALCULATIONS (LMAX)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_P1 ConstructionLmax.cna
Date: 20.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	62.2	-44.7	59.2	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	60.2	-46.8	57.1	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	65.5	-41.5	62.5	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	60.5	-46.5	57.4	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	60.3	-46.7	57.2	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	60.8	-46.1	57.8	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	58.1	-48.9	55.1	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	54.2	-52.7	51.2	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	57.4	-49.6	54.4	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CONSTRUCTION		CONSTRUCTION	128.6	21.6	21.6	69.2	-37.8	-37.8	PWL-Pt	121.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
CONSTRUCTION	CONSTRUCTION	8.00	a			6263826.78	2241832.35	8.00	0.00
						6263829.37	2241771.35	8.00	0.00
						6265097.84	2241741.86	8.00	0.00
						6265120.66	2241718.54	8.00	0.00
						6265105.59	2239525.08	8.00	0.00
						6263836.08	2239542.63	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6263816.55	2238079.16	8.00	0.00
				6263351.07	2237789.32	8.00	0.00
				6263311.57	2237793.61	8.00	0.00
				6263201.78	2237959.32	8.00	0.00
				6263093.50	2238126.02	8.00	0.00
				6262986.74	2238293.70	8.00	0.00
				6262881.51	2238462.35	8.00	0.00
				6262777.81	2238631.94	8.00	0.00
				6262571.91	2239037.24	8.00	0.00
				6262368.09	2239443.59	8.00	0.00
				6262166.36	2239850.98	8.00	0.00
				6261966.72	2240259.40	8.00	0.00
				6261925.74	2240349.74	8.00	0.00
				6261886.47	2240440.82	8.00	0.00
				6261848.92	2240532.64	8.00	0.00
				6261813.11	2240625.14	8.00	0.00
				6261779.05	2240718.30	8.00	0.00
				6261746.76	2240812.09	8.00	0.00
				6261403.01	2241797.45	8.00	0.00
				6261618.87	2241868.35	8.00	0.00
				6261730.09	2241877.52	8.00	0.00

APPENDIX 10.2:

PHASE 1 - CONSTRUCTION NOISE CALCULATIONS (LEQ)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_P1 ConstructionLeq.cna
Date: 20.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	59.1	-47.8	56.1	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	57.1	-49.9	54.0	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	62.4	-44.6	59.4	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	57.4	-49.6	54.3	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	57.2	-49.8	54.1	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	57.7	-49.2	54.7	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	55.0	-52.0	52.0	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	51.1	-55.8	48.1	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	54.3	-52.7	51.3	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CONSTRUCTION		CONSTRUCTION	125.5	18.5	18.5	66.1	-40.9	-40.9	PWL-Pt	118.5					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
CONSTRUCTION	CONSTRUCTION	8.00	a			6263826.78	2241832.35	8.00	0.00
						6263829.37	2241771.35	8.00	0.00
						6265097.84	2241741.86	8.00	0.00
						6265120.66	2241718.54	8.00	0.00
						6265105.59	2239525.08	8.00	0.00
						6263836.08	2239542.63	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6263816.55	2238079.16	8.00	0.00
				6263351.07	2237789.32	8.00	0.00
				6263311.57	2237793.61	8.00	0.00
				6263201.78	2237959.32	8.00	0.00
				6263093.50	2238126.02	8.00	0.00
				6262986.74	2238293.70	8.00	0.00
				6262881.51	2238462.35	8.00	0.00
				6262777.81	2238631.94	8.00	0.00
				6262571.91	2239037.24	8.00	0.00
				6262368.09	2239443.59	8.00	0.00
				6262166.36	2239850.98	8.00	0.00
				6261966.72	2240259.40	8.00	0.00
				6261925.74	2240349.74	8.00	0.00
				6261886.47	2240440.82	8.00	0.00
				6261848.92	2240532.64	8.00	0.00
				6261813.11	2240625.14	8.00	0.00
				6261779.05	2240718.30	8.00	0.00
				6261746.76	2240812.09	8.00	0.00
				6261403.01	2241797.45	8.00	0.00
				6261618.87	2241868.35	8.00	0.00
				6261730.09	2241877.52	8.00	0.00

APPENDIX 10.3:

PHASE 2, WITH OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LMAX)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_P2 Overlay ConstructionLmax.cna
Date: 20.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	61.0	-46.0	58.0	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	58.8	-48.2	55.8	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	63.8	-43.2	60.8	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	58.9	-48.1	55.9	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	58.7	-48.3	55.6	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	59.1	-47.9	56.1	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	64.7	-42.3	61.7	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	58.3	-48.7	55.3	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	72.4	-34.6	69.3	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CONSTRUCTION		CONSTRUCTION	128.6	21.6	21.6	67.1	-39.8	-39.8	PWL-Pt	121.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
CONSTRUCTION	CONSTRUCTION	8.00	a			6263311.57	2237793.61	8.00	0.00
						6263068.63	2238164.78	8.00	0.00
						6262855.05	2238500.90	8.00	0.00
						6262777.81	2238631.94	8.00	0.00
						6262702.45	2238764.26	8.00	0.00
						6262666.12	2238830.42	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6262537.53	2239092.14	8.00	0.00
				6262479.10	2239211.00	8.00	0.00
				6262371.02	2239431.64	8.00	0.00
				6262222.38	2239735.08	8.00	0.00
				6262115.81	2239952.65	8.00	0.00
				6261966.72	2240259.40	8.00	0.00
				6261859.11	2240507.23	8.00	0.00
				6261780.31	2240715.92	8.00	0.00
				6261746.76	2240812.09	8.00	0.00
				6261689.41	2240976.48	8.00	0.00
				6261599.19	2241235.10	8.00	0.00
				6261466.44	2241615.63	8.00	0.00
				6261408.36	2241782.10	8.00	0.00
				6261381.57	2241858.91	8.00	0.00
				6261369.20	2241886.83	8.00	0.00
				6261362.48	2241919.18	8.00	0.00
				6261343.73	2241988.26	8.00	0.00
				6261301.04	2242198.65	8.00	0.00
				6261284.02	2242340.79	8.00	0.00
				6261275.82	2242555.31	8.00	0.00
				6261277.07	2242687.30	8.00	0.00
				6261278.34	2242819.29	8.00	0.00
				6261279.59	2242951.29	8.00	0.00
				6261280.85	2243083.28	8.00	0.00
				6261282.15	2243218.16	8.00	0.00
				6261282.63	2243268.45	8.00	0.00
				6261283.17	2243324.82	8.00	0.00
				6261292.89	2243391.17	8.00	0.00
				6261300.32	2243424.19	8.00	0.00
				6261315.13	2243473.86	8.00	0.00
				6261333.50	2243522.68	8.00	0.00
				6261365.61	2243587.84	8.00	0.00
				6261394.68	2243634.42	8.00	0.00
				6261425.46	2243676.65	8.00	0.00
				6261471.85	2243734.37	8.00	0.00
				6261550.64	2243832.42	8.00	0.00
				6261585.67	2243876.02	8.00	0.00
				6261704.94	2243872.73	8.00	0.00
				6261770.92	2243870.91	8.00	0.00
				6261836.89	2243869.09	8.00	0.00
				6262532.63	2243849.89	8.00	0.00
				6262606.60	2243846.62	8.00	0.00
				6262611.91	2244414.34	8.00	0.00
				6262651.20	2244446.42	8.00	0.00
				6262827.13	2244441.20	8.00	0.00
				6263131.60	2244432.17	8.00	0.00
				6263251.29	2244428.62	8.00	0.00
				6263706.77	2244415.10	8.00	0.00
				6263823.69	2244411.63	8.00	0.00
				6263847.16	2244393.40	8.00	0.00
				6263846.25	2244301.47	8.00	0.00
				6263842.49	2243917.79	8.00	0.00
				6263841.44	2243811.09	8.00	0.00
				6263835.58	2243214.56	8.00	0.00
				6263831.85	2242834.44	8.00	0.00
				6263829.09	2242553.13	8.00	0.00
				6263825.00	2242136.50	8.00	0.00
				6263822.91	2241923.42	8.00	0.00
				6263829.37	2241771.35	8.00	0.00
				6263922.13	2241769.39	8.00	0.00
				6264452.99	2241757.06	8.00	0.00
				6264584.84	2241754.00	8.00	0.00
				6264783.03	2241749.40	8.00	0.00
				6265097.84	2241741.86	8.00	0.00
				6265120.66	2241718.54	8.00	0.00
				6265124.68	2241608.65	8.00	0.00
				6265121.58	2241263.20	8.00	0.00
				6265120.66	2241160.11	8.00	0.00
				6265120.39	2241130.11	8.00	0.00
				6265119.27	2241004.58	8.00	0.00
				6265114.48	2240470.53	8.00	0.00
				6265111.04	2240086.09	8.00	0.00
				6265109.72	2239939.06	8.00	0.00
				6265108.54	2239807.06	8.00	0.00
				6265106.01	2239525.07	8.00	0.00
				6264825.98	2239529.41	8.00	0.00
				6264628.01	2239532.49	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6264562.02	2239533.51	8.00	0.00
				6264496.02	2239534.53	8.00	0.00
				6264430.03	2239535.56	8.00	0.00
				6264166.02	2239535.24	8.00	0.00
				6263914.40	2239540.87	8.00	0.00
				6263836.08	2239542.63	8.00	0.00
				6263833.29	2239276.38	8.00	0.00
				6263832.04	2239156.65	8.00	0.00
				6263829.19	2238883.63	8.00	0.00
				6263826.15	2238646.94	8.00	0.00
				6263822.14	2238334.50	8.00	0.00
				6263816.55	2238079.16	8.00	0.00
				6263773.92	2238057.25	8.00	0.00
				6263696.79	2238008.38	8.00	0.00
				6263600.73	2237947.51	8.00	0.00
				6263500.30	2237883.86	8.00	0.00
				6263424.30	2237835.70	8.00	0.00
				6263378.44	2237806.66	8.00	0.00
				6263351.07	2237789.32	8.00	0.00

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APPENDIX 10.4:

PHASE 2, WITH OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LEQ)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-03_P2 Overlay ConstructionLeq.cna
Date: 20.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	57.9	-49.1	54.9	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	55.7	-51.3	52.7	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	60.7	-46.3	57.7	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	55.8	-51.2	52.8	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	55.6	-51.4	52.5	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	56.0	-51.0	53.0	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	61.6	-45.4	58.6	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	55.2	-51.8	52.2	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	69.3	-37.7	66.2	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CONSTRUCTION		CONSTRUCTION	125.5	18.5	18.5	64.0	-42.9	-42.9	PWL-Pt	118.5					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
CONSTRUCTION	CONSTRUCTION	8.00	a			6263311.57	2237793.61	8.00	0.00
						6263068.63	2238164.78	8.00	0.00
						6262855.05	2238500.90	8.00	0.00
						6262777.81	2238631.94	8.00	0.00
						6262702.45	2238764.26	8.00	0.00
						6262666.12	2238830.42	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6262537.53	2239092.14	8.00	0.00
				6262479.10	2239211.00	8.00	0.00
				6262371.02	2239431.64	8.00	0.00
				6262222.38	2239735.08	8.00	0.00
				6262115.81	2239952.65	8.00	0.00
				6261966.72	2240259.40	8.00	0.00
				6261859.11	2240507.23	8.00	0.00
				6261780.31	2240715.92	8.00	0.00
				6261746.76	2240812.09	8.00	0.00
				6261689.41	2240976.48	8.00	0.00
				6261599.19	2241235.10	8.00	0.00
				6261466.44	2241615.63	8.00	0.00
				6261408.36	2241782.10	8.00	0.00
				6261381.57	2241858.91	8.00	0.00
				6261369.20	2241886.83	8.00	0.00
				6261362.48	2241919.18	8.00	0.00
				6261343.73	2241988.26	8.00	0.00
				6261301.04	2242198.65	8.00	0.00
				6261284.02	2242340.79	8.00	0.00
				6261275.82	2242555.31	8.00	0.00
				6261277.07	2242687.30	8.00	0.00
				6261278.34	2242819.29	8.00	0.00
				6261279.59	2242951.29	8.00	0.00
				6261280.85	2243083.28	8.00	0.00
				6261282.15	2243218.16	8.00	0.00
				6261282.63	2243268.45	8.00	0.00
				6261283.17	2243324.82	8.00	0.00
				6261292.89	2243391.17	8.00	0.00
				6261300.32	2243424.19	8.00	0.00
				6261315.13	2243473.86	8.00	0.00
				6261333.50	2243522.68	8.00	0.00
				6261365.61	2243587.84	8.00	0.00
				6261394.68	2243634.42	8.00	0.00
				6261425.46	2243676.65	8.00	0.00
				6261471.85	2243734.37	8.00	0.00
				6261550.64	2243832.42	8.00	0.00
				6261585.67	2243876.02	8.00	0.00
				6261704.94	2243872.73	8.00	0.00
				6261770.92	2243870.91	8.00	0.00
				6261836.89	2243869.09	8.00	0.00
				6262532.63	2243849.89	8.00	0.00
				6262606.60	2243846.62	8.00	0.00
				6262611.91	2244414.34	8.00	0.00
				6262651.20	2244446.42	8.00	0.00
				6262827.13	2244441.20	8.00	0.00
				6263131.60	2244432.17	8.00	0.00
				6263251.29	2244428.62	8.00	0.00
				6263706.77	2244415.10	8.00	0.00
				6263823.69	2244411.63	8.00	0.00
				6263847.16	2244393.40	8.00	0.00
				6263846.25	2244301.47	8.00	0.00
				6263842.49	2243917.79	8.00	0.00
				6263841.44	2243811.09	8.00	0.00
				6263835.58	2243214.56	8.00	0.00
				6263831.85	2242834.44	8.00	0.00
				6263829.09	2242553.13	8.00	0.00
				6263825.00	2242136.50	8.00	0.00
				6263822.91	2241923.42	8.00	0.00
				6263829.37	2241771.35	8.00	0.00
				6263922.13	2241769.39	8.00	0.00
				6264452.99	2241757.06	8.00	0.00
				6264584.84	2241754.00	8.00	0.00
				6264783.03	2241749.40	8.00	0.00
				6265097.84	2241741.86	8.00	0.00
				6265120.66	2241718.54	8.00	0.00
				6265124.68	2241608.65	8.00	0.00
				6265121.58	2241263.20	8.00	0.00
				6265120.66	2241160.11	8.00	0.00
				6265120.39	2241130.11	8.00	0.00
				6265119.27	2241004.58	8.00	0.00
				6265114.48	2240470.53	8.00	0.00
				6265111.04	2240086.09	8.00	0.00
				6265109.72	2239939.06	8.00	0.00
				6265108.54	2239807.06	8.00	0.00
				6265106.01	2239525.07	8.00	0.00
				6264825.98	2239529.41	8.00	0.00
				6264628.01	2239532.49	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6264562.02	2239533.51	8.00	0.00
				6264496.02	2239534.53	8.00	0.00
				6264430.03	2239535.56	8.00	0.00
				6264166.02	2239535.24	8.00	0.00
				6263914.40	2239540.87	8.00	0.00
				6263836.08	2239542.63	8.00	0.00
				6263833.29	2239276.38	8.00	0.00
				6263832.04	2239156.65	8.00	0.00
				6263829.19	2238883.63	8.00	0.00
				6263826.15	2238646.94	8.00	0.00
				6263822.14	2238334.50	8.00	0.00
				6263816.55	2238079.16	8.00	0.00
				6263773.92	2238057.25	8.00	0.00
				6263696.79	2238008.38	8.00	0.00
				6263600.73	2237947.51	8.00	0.00
				6263500.30	2237883.86	8.00	0.00
				6263424.30	2237835.70	8.00	0.00
				6263378.44	2237806.66	8.00	0.00
				6263351.07	2237789.32	8.00	0.00

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APPENDIX 10.5:

PHASE 2, WITHOUT OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LMAX)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-02 - Construction.cna
Date: 05.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	61.1	-45.9	58.1	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	58.9	-48.1	55.9	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	63.9	-43.1	60.9	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	59.0	-48.0	56.0	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	58.8	-48.2	55.8	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	59.2	-47.8	56.2	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	64.8	-42.2	61.8	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	58.3	-48.7	55.3	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	65.8	-41.1	62.8	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CONSTRUCTION		CONSTRUCTION	128.6	21.6	21.6	67.3	-39.7	-39.7	PWL-Pt	121.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
CONSTRUCTION	CONSTRUCTION	8.00	a			6263311.57	2237793.61	8.00	0.00
						6263068.63	2238164.78	8.00	0.00
						6262855.05	2238500.90	8.00	0.00
						6262777.81	2238631.94	8.00	0.00
						6262702.45	2238764.26	8.00	0.00
						6262666.12	2238830.42	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6262537.53	2239092.14	8.00	0.00
				6262479.10	2239211.00	8.00	0.00
				6262371.02	2239431.64	8.00	0.00
				6262222.38	2239735.08	8.00	0.00
				6262115.81	2239952.65	8.00	0.00
				6261966.72	2240259.40	8.00	0.00
				6261859.11	2240507.23	8.00	0.00
				6261780.31	2240715.92	8.00	0.00
				6261746.76	2240812.09	8.00	0.00
				6261689.41	2240976.48	8.00	0.00
				6261599.19	2241235.10	8.00	0.00
				6261466.44	2241615.63	8.00	0.00
				6261408.36	2241782.10	8.00	0.00
				6261381.57	2241858.91	8.00	0.00
				6261369.20	2241886.83	8.00	0.00
				6261362.48	2241919.18	8.00	0.00
				6261343.73	2241988.26	8.00	0.00
				6261301.04	2242198.65	8.00	0.00
				6261284.02	2242340.79	8.00	0.00
				6261275.82	2242555.31	8.00	0.00
				6261277.07	2242687.30	8.00	0.00
				6261278.34	2242819.29	8.00	0.00
				6261279.59	2242951.29	8.00	0.00
				6261280.85	2243083.28	8.00	0.00
				6261282.15	2243218.16	8.00	0.00
				6261282.63	2243268.45	8.00	0.00
				6261283.17	2243324.82	8.00	0.00
				6261292.89	2243391.17	8.00	0.00
				6261300.32	2243424.19	8.00	0.00
				6261315.13	2243473.86	8.00	0.00
				6261333.50	2243522.68	8.00	0.00
				6261365.61	2243587.84	8.00	0.00
				6261394.68	2243634.42	8.00	0.00
				6261425.46	2243676.65	8.00	0.00
				6261471.85	2243734.37	8.00	0.00
				6261550.64	2243832.42	8.00	0.00
				6261585.67	2243876.02	8.00	0.00
				6261704.94	2243872.73	8.00	0.00
				6261770.92	2243870.91	8.00	0.00
				6261836.89	2243869.09	8.00	0.00
				6261828.85	2243171.29	8.00	0.00
				6262526.14	2243155.87	8.00	0.00
				6262532.63	2243849.89	8.00	0.00
				6262606.60	2243846.62	8.00	0.00
				6262611.91	2244414.34	8.00	0.00
				6262651.20	2244446.42	8.00	0.00
				6262827.13	2244441.20	8.00	0.00
				6263131.60	2244432.17	8.00	0.00
				6263251.29	2244428.62	8.00	0.00
				6263706.77	2244415.10	8.00	0.00
				6263823.69	2244411.63	8.00	0.00
				6263847.16	2244393.40	8.00	0.00
				6263846.25	2244301.47	8.00	0.00
				6263842.49	2243917.79	8.00	0.00
				6263841.44	2243811.09	8.00	0.00
				6263835.58	2243214.56	8.00	0.00
				6263831.85	2242834.44	8.00	0.00
				6263829.09	2242553.13	8.00	0.00
				6263825.00	2242136.50	8.00	0.00
				6263822.91	2241923.42	8.00	0.00
				6263829.37	2241771.35	8.00	0.00
				6263922.13	2241769.39	8.00	0.00
				6264452.99	2241757.06	8.00	0.00
				6264584.84	2241754.00	8.00	0.00
				6264783.03	2241749.40	8.00	0.00
				6265097.84	2241741.86	8.00	0.00
				6265120.66	2241718.54	8.00	0.00
				6265124.68	2241608.65	8.00	0.00
				6265121.58	2241263.20	8.00	0.00
				6265120.66	2241160.11	8.00	0.00
				6265120.39	2241130.11	8.00	0.00
				6265119.27	2241004.58	8.00	0.00
				6265114.48	2240470.53	8.00	0.00
				6265111.04	2240086.09	8.00	0.00
				6265109.72	2239939.06	8.00	0.00
				6265108.54	2239807.06	8.00	0.00
				6265106.01	2239525.07	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6264825.98	2239529.41	8.00	0.00
				6264628.01	2239532.49	8.00	0.00
				6264562.02	2239533.51	8.00	0.00
				6264496.02	2239534.53	8.00	0.00
				6264430.03	2239535.56	8.00	0.00
				6264166.02	2239535.24	8.00	0.00
				6263914.40	2239540.87	8.00	0.00
				6263836.08	2239542.63	8.00	0.00
				6263833.29	2239276.38	8.00	0.00
				6263832.04	2239156.65	8.00	0.00
				6263829.19	2238883.63	8.00	0.00
				6263826.15	2238646.94	8.00	0.00
				6263822.14	2238334.50	8.00	0.00
				6263816.55	2238079.16	8.00	0.00
				6263773.92	2238057.25	8.00	0.00
				6263696.79	2238008.38	8.00	0.00
				6263600.73	2237947.51	8.00	0.00
				6263500.30	2237883.86	8.00	0.00
				6263424.30	2237835.70	8.00	0.00
				6263378.44	2237806.66	8.00	0.00
				6263351.07	2237789.32	8.00	0.00

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APPENDIX 10.6:

PHASE 2, WITHOUT OVERLAY - CONSTRUCTION NOISE CALCULATIONS (LEQ)

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15605 - Harvest Landing

CadnaA Noise Prediction Model: 15605-02_ConstructionLeq.cna
Date: 05.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (#(Unit,LEN))	**2000.01**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (#(Unit,LEN))	**999.99**
Min. Length of Section (#(Unit,LEN))	**1.01**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**100.00**
Search Radius Rcvr	**100.00**
Max. Distance Source - Rcvr	**1000.00 1000.00**
Min. Distance Rvcr - Reflector	**1.00 1.00**
Min. Distance Source - Reflector	**0.10**
Industrial (ISO 9613)	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (#(Unit,TEMP))	**10**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (#(Unit,SPEED))	**3.0**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R01	61.1	-45.9	58.1	80.0	60.0	0.0				5.00	a	6265253.48	2241844.37	5.00
RECEIVERS		R02	58.9	-48.1	55.9	80.0	60.0	0.0				5.00	a	6265830.44	2241130.79	5.00
RECEIVERS		R03	63.9	-43.1	60.9	80.0	60.0	0.0				5.00	a	6265229.50	2240804.28	5.00
RECEIVERS		R04	59.0	-48.0	56.0	80.0	60.0	0.0				5.00	a	6265824.51	2240468.93	5.00
RECEIVERS		R05	58.8	-48.2	55.8	80.0	60.0	0.0				5.00	a	6265831.59	2240149.34	5.00
RECEIVERS		R06	59.2	-47.8	56.2	80.0	60.0	0.0				5.00	a	6265210.61	2239083.84	5.00
RECEIVERS		R07	64.8	-42.2	61.8	80.0	60.0	0.0				5.00	a	6263913.07	2243132.10	5.00
RECEIVERS		R08	58.3	-48.7	55.3	80.0	60.0	0.0				5.00	a	6264542.37	2244124.06	5.00
RECEIVERS		R09	65.8	-41.1	62.8	80.0	60.0	0.0				5.00	a	6262239.06	2243228.50	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CONSTRUCTION		CONSTRUCTION	125.5	18.5	18.5	64.2	-42.8	-42.8	PWL-Pt	118.5					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
CONSTRUCTION	CONSTRUCTION	8.00	a			6263311.57	2237793.61	8.00	0.00
						6263068.63	2238164.78	8.00	0.00
						6262855.05	2238500.90	8.00	0.00
						6262777.81	2238631.94	8.00	0.00
						6262702.45	2238764.26	8.00	0.00
						6262666.12	2238830.42	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6262537.53	2239092.14	8.00	0.00
				6262479.10	2239211.00	8.00	0.00
				6262371.02	2239431.64	8.00	0.00
				6262222.38	2239735.08	8.00	0.00
				6262115.81	2239952.65	8.00	0.00
				6261966.72	2240259.40	8.00	0.00
				6261859.11	2240507.23	8.00	0.00
				6261780.31	2240715.92	8.00	0.00
				6261746.76	2240812.09	8.00	0.00
				6261689.41	2240976.48	8.00	0.00
				6261599.19	2241235.10	8.00	0.00
				6261466.44	2241615.63	8.00	0.00
				6261408.36	2241782.10	8.00	0.00
				6261381.57	2241858.91	8.00	0.00
				6261369.20	2241886.83	8.00	0.00
				6261362.48	2241919.18	8.00	0.00
				6261343.73	2241988.26	8.00	0.00
				6261301.04	2242198.65	8.00	0.00
				6261284.02	2242340.79	8.00	0.00
				6261275.82	2242555.31	8.00	0.00
				6261277.07	2242687.30	8.00	0.00
				6261278.34	2242819.29	8.00	0.00
				6261279.59	2242951.29	8.00	0.00
				6261280.85	2243083.28	8.00	0.00
				6261282.15	2243218.16	8.00	0.00
				6261282.63	2243268.45	8.00	0.00
				6261283.17	2243324.82	8.00	0.00
				6261292.89	2243391.17	8.00	0.00
				6261300.32	2243424.19	8.00	0.00
				6261315.13	2243473.86	8.00	0.00
				6261333.50	2243522.68	8.00	0.00
				6261365.61	2243587.84	8.00	0.00
				6261394.68	2243634.42	8.00	0.00
				6261425.46	2243676.65	8.00	0.00
				6261471.85	2243734.37	8.00	0.00
				6261550.64	2243832.42	8.00	0.00
				6261585.67	2243876.02	8.00	0.00
				6261704.94	2243872.73	8.00	0.00
				6261770.92	2243870.91	8.00	0.00
				6261836.89	2243869.09	8.00	0.00
				6261828.85	2243171.29	8.00	0.00
				6262526.14	2243155.87	8.00	0.00
				6262532.63	2243849.89	8.00	0.00
				6262606.60	2243846.62	8.00	0.00
				6262611.91	2244414.34	8.00	0.00
				6262651.20	2244446.42	8.00	0.00
				6262827.13	2244441.20	8.00	0.00
				6263131.60	2244432.17	8.00	0.00
				6263251.29	2244428.62	8.00	0.00
				6263706.77	2244415.10	8.00	0.00
				6263823.69	2244411.63	8.00	0.00
				6263847.16	2244393.40	8.00	0.00
				6263846.25	2244301.47	8.00	0.00
				6263842.49	2243917.79	8.00	0.00
				6263841.44	2243811.09	8.00	0.00
				6263835.58	2243214.56	8.00	0.00
				6263831.85	2242834.44	8.00	0.00
				6263829.09	2242553.13	8.00	0.00
				6263825.00	2242136.50	8.00	0.00
				6263822.91	2241923.42	8.00	0.00
				6263829.37	2241771.35	8.00	0.00
				6263922.13	2241769.39	8.00	0.00
				6264452.99	2241757.06	8.00	0.00
				6264584.84	2241754.00	8.00	0.00
				6264783.03	2241749.40	8.00	0.00
				6265097.84	2241741.86	8.00	0.00
				6265120.66	2241718.54	8.00	0.00
				6265124.68	2241608.65	8.00	0.00
				6265121.58	2241263.20	8.00	0.00
				6265120.66	2241160.11	8.00	0.00
				6265120.39	2241130.11	8.00	0.00
				6265119.27	2241004.58	8.00	0.00
				6265114.48	2240470.53	8.00	0.00
				6265111.04	2240086.09	8.00	0.00
				6265109.72	2239939.06	8.00	0.00
				6265108.54	2239807.06	8.00	0.00
				6265106.01	2239525.07	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6264825.98	2239529.41	8.00	0.00
				6264628.01	2239532.49	8.00	0.00
				6264562.02	2239533.51	8.00	0.00
				6264496.02	2239534.53	8.00	0.00
				6264430.03	2239535.56	8.00	0.00
				6264166.02	2239535.24	8.00	0.00
				6263914.40	2239540.87	8.00	0.00
				6263836.08	2239542.63	8.00	0.00
				6263833.29	2239276.38	8.00	0.00
				6263832.04	2239156.65	8.00	0.00
				6263829.19	2238883.63	8.00	0.00
				6263826.15	2238646.94	8.00	0.00
				6263822.14	2238334.50	8.00	0.00
				6263816.55	2238079.16	8.00	0.00
				6263773.92	2238057.25	8.00	0.00
				6263696.79	2238008.38	8.00	0.00
				6263600.73	2237947.51	8.00	0.00
				6263500.30	2237883.86	8.00	0.00
				6263424.30	2237835.70	8.00	0.00
				6263378.44	2237806.66	8.00	0.00
				6263351.07	2237789.32	8.00	0.00

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APPENDIX 10.7:

OFF-SITE CONSTRUCTION NOISE MODEL CALCULATIONS

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15605 - Harvest Landnig

CadnaA Noise Prediction Model: 15605-02_OffSite.cna
Date: 05.12.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (#(Unit,LEN))	**2000.01**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (#(Unit,LEN))	**999.99**
Min. Length of Section (#(Unit,LEN))	**1.01**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**100.00**
Search Radius Rcvr	**100.00**
Max. Distance Source - Rcvr	**1000.00 1000.00**
Min. Distance Rvcr - Reflector	**1.00 1.00**
Min. Distance Source - Reflector	**0.10**
Industrial (ISO 9613)	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (#(Unit,TEMP))	**10**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (#(Unit,SPEED))	**3.0**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R_25	78.4	-28.6	75.4	80.0	60.0	0.0				5.00	a	6265657.23	2221834.11	5.00
RECEIVERS		R_50	76.3	-30.7	73.3	80.0	60.0	0.0				5.00	a	6265630.46	2221800.16	5.00
RECEIVERS		R_100	74.0	-33.0	71.0	80.0	60.0	0.0				5.00	a	6265580.73	2221762.38	5.00
RECEIVERS		R_200	71.2	-35.8	68.2	80.0	60.0	0.0				5.00	a	6265479.84	2221727.48	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
OFFSITE		0	128.6	21.6	21.6	81.9	-25.1	-25.1	PWL-Pt	121.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
OFFSITE	0	8.00	a			6265829.07	2220652.68	8.00	0.00
						6265640.50	2220653.75	8.00	0.00
						6265635.31	2220703.57	8.00	0.00
						6265650.31	2220703.49	8.00	0.00
						6265668.42	2220723.26	8.00	0.00
						6265681.52	2221896.17	8.00	0.00
						6265690.90	2221980.64	8.00	0.00
						6265706.74	2223254.49	8.00	0.00
						6265688.37	2223272.54	8.00	0.00
						6264805.52	2223276.67	8.00	0.00
						6263445.59	2223284.01	8.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6263274.49	2223283.50	8.00	0.00
				6263262.76	2223281.44	8.00	0.00
				6263226.44	2223272.82	8.00	0.00
				6263206.59	2223268.67	8.00	0.00
				6263177.74	2223275.24	8.00	0.00
				6263161.57	2223290.67	8.00	0.00
				6263155.65	2223303.46	8.00	0.00
				6263153.63	2223317.41	8.00	0.00
				6263154.57	2223325.88	8.00	0.00
				6263156.90	2223334.07	8.00	0.00
				6263160.57	2223341.77	8.00	0.00
				6263169.64	2223353.32	8.00	0.00
				6263178.39	2223359.76	8.00	0.00
				6263198.77	2223366.03	8.00	0.00
				6263214.82	2223364.71	8.00	0.00
				6263263.20	2223352.59	8.00	0.00
				6263302.12	2223349.75	8.00	0.00
				6265688.02	2223338.40	8.00	0.00
				6265834.15	2223348.12	8.00	0.00
				6265826.37	2223302.93	8.00	0.00
				6265813.45	2222363.73	8.00	0.00
				6265833.89	2222337.50	8.00	0.00
				6265832.56	2222277.03	8.00	0.00
				6265811.37	2222250.84	8.00	0.00
				6265797.37	2220722.96	8.00	0.00
				6265830.28	2220699.67	8.00	0.00

APPENDIX 10.8:

CONCRETE POUR NOISE CALCULATIONS

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16163 - OLC3

CadnaA Noise Prediction Model: 16163-02_Pour.cna
Date: 26.07.24
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
RECEIVERS		R1	41.1	-65.7	38.1	80.0	60.0	0.0				5.00	a	6270641.22	2254315.57	5.00
RECEIVERS		R2	47.7	-59.2	44.7	80.0	60.0	0.0				5.00	a	6269542.05	2252210.53	5.00
RECEIVERS		R3	52.5	-54.5	49.5	80.0	60.0	0.0				5.00	a	6267368.77	2252233.53	5.00
RECEIVERS		R4	57.5	-49.5	54.4	80.0	60.0	0.0				5.00	a	6266605.12	2252067.98	5.00
RECEIVERS		R5	41.4	-65.5	38.4	80.0	60.0	0.0				5.00	a	6265662.75	2252075.90	5.00
RECEIVERS		R6	57.6	-49.4	54.6	80.0	60.0	0.0				5.00	a	6265251.24	2253578.61	5.00
RECEIVERS		R7	44.0	-62.9	41.0	80.0	60.0	0.0				5.00	a	6269556.81	2253835.25	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CONCRETE		POUR	120.6	13.6	13.6	71.4	-35.6	-35.6	PWL-Pt	113.6					8	a

Name	ID	Height				Coordinates			
		Begin		End		x	y	z	Ground
		(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
CONCRETE	POUR	8.00	a			6265787.50	2253468.98	8.00	0.00
						6267168.28	2253456.22	8.00	0.00
						6267165.97	2252808.15	8.00	0.00
						6265785.18	2252823.22	8.00	0.00

Barrier(s)

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height				Coordinates			
				left	right		horz.	vert.	Begin		End		x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
BARRIEREXISTING			0						5.00	a			6267334.99	2252241.26	5.00	0.00
													6268022.00	2252235.28	5.00	0.00

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height		Coordinates			
							Begin		x	y	z	Ground
							(ft)		(ft)	(ft)	(ft)	(ft)
BUILDING			BUILDING00009	x	0		20.00	a	6265489.36	2252181.63	20.00	0.00
									6265507.49	2252181.63	20.00	0.00
									6265506.58	2252145.37	20.00	0.00
									6265488.45	2252146.27	20.00	0.00
BUILDING			BUILDING00010	x	0		20.00	a	6265570.05	2252223.34	20.00	0.00
									6265629.89	2252222.43	20.00	0.00
									6265628.98	2252187.98	20.00	0.00
									6265570.96	2252188.89	20.00	0.00
BUILDING			BUILDING00011	x	0		20.00	a	6265667.97	2252134.49	20.00	0.00
									6266570.09	2252133.58	20.00	0.00
									6266569.18	2252069.21	20.00	0.00
									6265662.53	2252082.81	20.00	0.00
BUILDING			BUILDING00012	x	0		20.00	a	6266177.51	2252217.90	20.00	0.00
									6266255.48	2252216.99	20.00	0.00
									6266257.29	2252174.38	20.00	0.00
									6266175.69	2252176.19	20.00	0.00
BUILDING			BUILDING00013	x	0		20.00	a	6265843.86	2252558.80	20.00	0.00
									6265920.92	2252559.71	20.00	0.00
									6265923.64	2252489.90	20.00	0.00
									6265842.95	2252491.71	20.00	0.00
BUILDING			BUILDING00014	x	0		20.00	a	6265784.93	2252546.11	20.00	0.00
									6265826.63	2252546.11	20.00	0.00
									6265825.73	2252498.96	20.00	0.00
									6265784.93	2252499.87	20.00	0.00
BUILDING			BUILDING00015	x	0		20.00	a	6265664.34	2252581.47	20.00	0.00
									6265701.51	2252578.75	20.00	0.00
									6265705.14	2252491.71	20.00	0.00
									6265662.53	2252492.62	20.00	0.00
BUILDING			BUILDING00016	x	0		20.00	a	6265435.86	2252578.75	20.00	0.00
									6265476.66	2252580.56	20.00	0.00
									6265476.66	2252488.99	20.00	0.00
									6265436.77	2252492.62	20.00	0.00
BUILDING			BUILDING00017	x	0		40.00	a	6267331.78	2253527.33	40.00	0.00
									6268011.86	2253529.87	40.00	0.00
									6268019.47	2253126.39	40.00	0.00
									6267897.67	2253123.85	40.00	0.00
									6267902.74	2253182.22	40.00	0.00
									6267316.55	2253194.91	40.00	0.00
BUILDING			BUILDING00018	x	0		40.00	a	6268359.51	2255245.30	40.00	0.00
									6268920.32	2255242.76	40.00	0.00
									6268915.25	2254242.94	40.00	0.00
									6268752.84	2254240.40	40.00	0.00
									6268750.30	2254156.66	40.00	0.00
									6268293.53	2254156.66	40.00	0.00
									6268293.53	2254288.62	40.00	0.00
									6268351.90	2254281.00	40.00	0.00