Appendix L

.

NOISE IMPACT ANALYSIS

SAPPHIRE HOTEL & EVENT CENTER PROJECT

CITY OF MURRIETA

Lead Agency:

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Project No. 19016

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ACRONYMS AND ABBREVIATIONS

ANSI	American National Standards Institute
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
City	City of Murrieta
CNEL	Community Noise Equivalent Level
dB	Decibel
dBA	A-weighted decibels
DOT	Department of Transportation
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
EPA	Environmental Protection Agency
Hz	Hertz
I-215	Interstate 215
Ldn	Day-night average noise level
Leq	Equivalent sound level
Lmax	Maximum noise level
ONAC	Federal Office of Noise Abatement and Control
OSB	Oriented Strand Board
OSHA	Occupational Safety and Health Administration
PPV	Peak particle velocity
RMS	Root mean square
SEL	Single Event Level or Sound Exposure Level
STC	Sound Transmission Class
TTM	Tentative Tract Map
UMTA	Federal Urban Mass Transit Administration
VdB	Vibration velocity level in decibels

1.0 INTRODUCTION

1.1 Purpose of Analysis and Study Objectives

This Noise Impact Analysis has been prepared to determine the noise impacts associated with the proposed Sapphire Hotel and Event Center project (proposed project). The following is provided in this report:

- A description of the study area and the proposed project;
- Information regarding the fundamentals of noise;
- Information regarding the fundamentals of vibration;
- A description of the local noise guidelines and standards;
- An evaluation of the current noise environment;
- An analysis of the potential short-term construction-related noise impacts from the proposed project; and
- An analysis of long-term operations-related noise impacts from the proposed project.

1.2 Site Location and Study Area

The project site is located in the northern portion of the City of Murrieta (City). The approximately 15.78-acre project site is currently vacant and is bounded by vacant land to the north, Interstate 215 (I-215) and industrial uses to the east, Linnel Lane and commercial retail uses to the south, and McElwain Road and vacant land to the west. The project study area is shown in Figure 1.

Sensitive Receptors in Project Vicinity

The nearest sensitive receptor to the project site is a single-family home located as near as 400 feet to the northwest of the project site. The nearest offsite workers are located as near as 80 feet to the south of the project site at the existing commercial retail center that includes a Target store. The nearest school to the project site is Vista Murrieta High School, which is located as near as 0.5 mile south of the project site.

1.3 Proposed Project Description

The proposed project consists of development of a 120-room Hotel with 71,562 square feet of building space and an Event Center with 15,295 square feet of building space and 254 parking spaces on approximately 6.99-acres of the 15.78-acre project site. The proposed project would also in construction of a 0.63-acre water quality basin in the southeastern portion of the project site and widening and sidewalk improvements to the portions of Linnel Lane and McElwain Road that are adjacent to the project site. The remainder of the project site would be rough graded and would include development of access roads to the Hotel and Event Center, but would otherwise remain undeveloped. The proposed site plan is shown in Figure 2.

1.4 Executive Summary

Standard Noise Regulatory Conditions

The proposed project will be required to comply with the following regulatory conditions from the City and State of California (State).

City of Murrieta Noise Regulations

The following lists the noise and vibration regulations from the Municipal Code that are applicable, but not limited to the proposed project.

- Section 16.30.090 Exterior Noise Standards
- Section 16.30.130(A) Construction Noise Standards
- Section 16.30.130(K) Vibration Standards

State of California Noise Regulations

The following lists the State of California noise regulations that are applicable, but not limited to the proposed project.

- California Vehicle Code Section 2700-27207 – On Road Vehicle Noise Limits
- California Vehicle Code Section 38365-38350 – Off-Road Vehicle Noise Limits

Summary of Analysis Results

The following is a summary of the proposed project's impacts with regard to the State CEQA Guidelines noise checklist questions.

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?

Less than significant impact.

Generation of excessive groundborne vibration or groundborne noise levels?

Less than significant impact.

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?

No impact.

1.5 Mitigation Measures for the Proposed Project

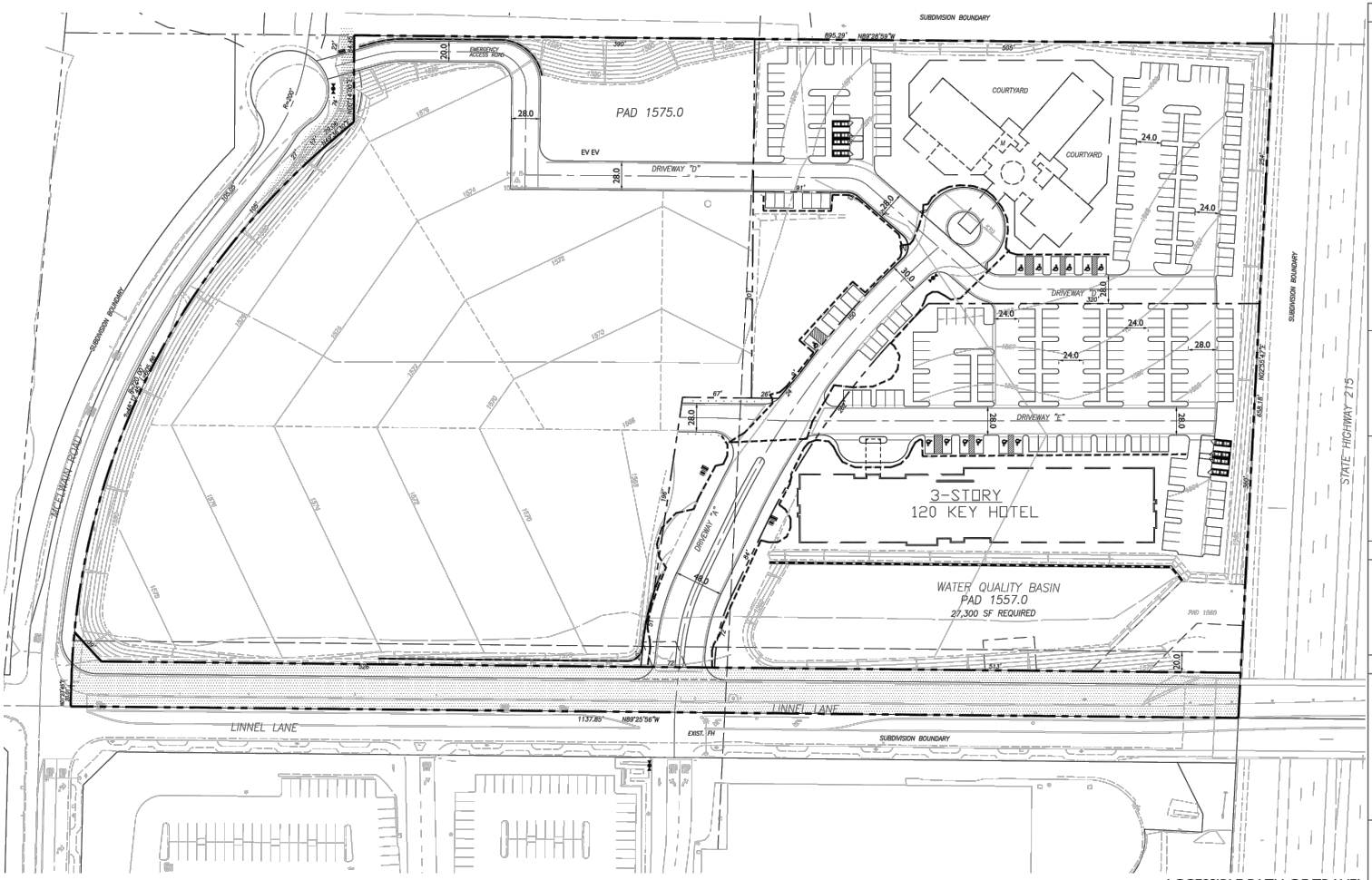
This analysis found that through adherence to the noise and vibration regulations detailed in Section 1.4 above and through implementation of the following mitigation all noise and vibration impacts would be reduced to less than significant levels.

Mitigation Measure 1:

The project applicant shall restrict the use of sound amplification systems in the outside courtyards at the Event Center between the hours of 10:00 p.m. and 7:00 a.m.. No time limitation is placed on the use of sound amplification systems that are utilized inside the Event Center.

VISTA ENVIRONMENTAL

Figure 1
Project Location Map



PROJECT SUMMARY	
APN	392-280-007
GROSS SITE AREA	15.78 AC
NET SITE AREA	14.62 AC
TOTAL PARKING	254 SPACES
EXISTING ZONING	ORP
PROPOSED ZONING	ORP
ADJACENT ZONING	ORP, COMMERCIAL
LAND USE	HOTEL, AND EVENT CENTER
ADJACENT LAND USE	VACANT, COMMERCIAL

LEGAL DESCRIPTION: A PORTION OF SECTION 34, TOWNSHIP 6 SOUTH, RANGE 3 WEST,SAN BERNARDINO BASE & MERIDIAN

PUBLIC UTILITES	
SEWER	WESTERN MUNICIPAL WATER DISTRICT
WATER	WESTERN MUNICIPAL WATER DISTRICT
TELEPHONE	SOUTHERN CALIFORNIA TELEPHONE
ELECTRIC	SOUTHERN CALIFORNIA EDISON
GAS	SOUTHERN CALIFORNIA GAS COMPANY
CABLE T.V.	TIME WARNER CABLE / FRONTIER COMM.

HOTEL (LOT 4)	
TOTAL KEYS	120 KEYS (71,562 SF)
SITE AREA	3.63 ACRES
FAR	.45
OCCUPANCY	R-1
PARKING PROVIDED	126 SPACES(1:1 KEY+6 EMPLOYEE)

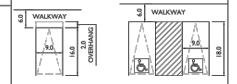
EVENT CENTER (LOT 3)	
TOTAL	15,295 SF
SITE AREA	3.36 ACRES
FAR	.104
OCCUPANCY	A-3
PARKING PROVIDED	128 SPACES (8.4 : 1,000)

LOT COVERAGE

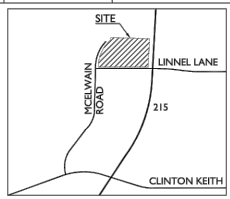
BUILDING	39,145 SF	6%
PARKING	36,810 SF	6%
PAVED	94,870 SF	15%
LANDSCAPE	466,111 SF	73%
TOTAL	636,936 SF	100%

TRASH ENCLOSURES

HOTEL	EVENT
REQUIRED:	REQUIRED:
144 SF RECYCLE	48 SF RECYCLE
144 SF TRASH	48 SF TRASH
PROVIDED:	PROVIDED:
160 SF RECYCLEE	160 SF RECYCLE
160 SF TRASH	160 SF TRASH



TYPICAL PARKING DIMENSIONS
NOT TO SCALE



VICINITY MAP : NOT TO SCALE

N

SOURCE: Summa Architecture.

VISTA ENVIRONMENTAL

Figure 2
Proposed Site Plan

2.0 NOISE FUNDAMENTALS

Noise is 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. Sound is produced by the vibration of sound pressure waves in the air. Sound pressure levels are used to measure the intensity of sound and are described in terms of decibels. The decibel (dB) is a logarithmic unit which expresses the ratio of the sound pressure level being measured to a standard reference level. A-weighted decibels (dBA) approximate the subjective response of the human ear to a 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.

2.1 Noise Descriptors

Noise Equivalent sound levels are not measured directly, but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. The peak traffic hour Leq is the noise metric used by California Department of Transportation (Caltrans) for all traffic noise impact analyses.

The Day-Night Average Level (Ldn) 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 ten decibels to sound levels at night between 10 p.m. and 7 a.m. While the Community Noise Equivalent Level (CNEL) is similar to the Ldn, except that it has another addition of 4.77 decibels to sound levels during the evening hours between 7 p.m. and 10 p.m. These additions are made to the sound levels at these time periods because during the evening and nighttime hours, when compared to daytime hours, there is a decrease in the ambient noise levels, which creates an increased sensitivity to sounds. For this reason the sound appears louder in the evening and nighttime hours and is weighted accordingly. The City of Murrieta relies on the CNEL noise standard to assess transportation-related impacts on noise sensitive land uses.

2.2 Tone Noise

A pure tone noise is a noise produced at a single frequency and laboratory tests have shown that humans are more perceptible to changes in noise levels of a pure tone. For a noise source to contain a “pure tone,” there must be a significantly higher A-weighted sound energy in a given frequency band than in the neighboring bands, thereby causing the noise source to “stand out” against other noise sources. A pure tone occurs if the sound pressure level in the one-third octave band with the tone exceeds the average of the sound pressure levels of the two contiguous one-third octave bands by:

- 5 dB for center frequencies of 500 hertz (Hz) and above
- 8 dB for center frequencies between 160 and 400 Hz
- 15 dB for center frequencies of 125 Hz or less

2.3 Noise Propagation

From the noise source to the receiver, noise changes both in level and frequency spectrum. The most obvious is the decrease in noise as the distance from the source increases. The manner in which noise reduces with distance depends on whether the source is a point or line source as well as ground absorption, atmospheric effects and refraction, and shielding by natural and manmade features. Sound

from point sources, such as air conditioning condensers, radiate uniformly outward as it travels away from the source in a spherical pattern. The noise drop-off rate associated with this geometric spreading is 6 dBA per each doubling of the distance (dBA/DD). Transportation noise sources such as roadways are typically analyzed as line sources, since at any given moment the receiver may be impacted by noise from multiple vehicles at various locations along the roadway. Because of the geometry of a line source, the noise drop-off rate associated with the geometric spreading of a line source is 3 dBA/DD.

2.4 Ground Absorption

The sound drop-off rate is highly dependent on the conditions of the land between the noise source and receiver. To account for this ground-effect attenuation (absorption), two types of site conditions are commonly used in traffic noise models, soft-site and hard-site conditions. Soft-site conditions account for the sound propagation loss over natural surfaces such as normal earth and ground vegetation. For point sources, a drop-off rate of 7.5 dBA/DD is typically observed over soft ground with landscaping, as compared with a 6.0 dBA/DD drop-off rate over hard ground such as asphalt, concrete, stone and very hard packed earth. For line sources a 4.5 dBA/DD is typically observed for soft-site conditions compared to the 3.0 dBA/DD drop-off rate for hard-site conditions. Caltrans research has shown that the use of soft-site conditions is more appropriate for the application of the Federal Highway Administration (FHWA) traffic noise prediction model used in this analysis.

3.0 GROUND-BORNE VIBRATION FUNDAMENTALS

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors, since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

3.1 Vibration Descriptors

There are several different methods that are used to quantify vibration amplitude such as the maximum instantaneous peak in the vibrations velocity, which is known as the peak particle velocity (PPV) or the root mean square (rms) amplitude of the vibration velocity. Due to the typically small amplitudes of vibrations, vibration velocity is often expressed in decibels and is denoted as (L_v) and is based on the rms velocity amplitude. A commonly used abbreviation is "VdB", which in this text, is when L_v is based on the reference quantity of 1 micro inch per second.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Off-site sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration.

3.3 Vibration Propagation

The propagation of ground-borne vibration is not as simple to model as airborne noise. This is due to the fact that noise in the air travels through a relatively uniform median, while ground-borne vibrations travel through the earth which may contain significant geological differences. There are three main types of vibration propagation; surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wave front, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wave front. However, unlike P-waves, the particle motion is transverse or "side-to-side and perpendicular to the direction of propagation."

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 REGULATORY SETTING

The project site is located in the City of Murrieta. Noise regulations are addressed through the efforts of various federal, state, and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Promulgating noise emission standards for interstate commerce
- Assisting state and local abatement efforts
- Promoting noise education and research

The Federal Office of Noise Abatement and Control (ONAC) was initially tasked with implementing the Noise Control Act. However, the ONAC has since been eliminated, leaving the development of federal noise policies and programs to other federal agencies and interagency committees. For example, the Occupational Safety and Health Administration (OSHA) agency prohibits exposure of workers to excessive sound levels. The Department of Transportation (DOT) assumed a significant role in noise control through its various operating agencies. The Federal Aviation Administration (FAA) regulates noise of aircraft and airports. Surface transportation system noise is regulated by a host of agencies, including the Federal Transit Administration (FTA). Transit noise is regulated by the federal Urban Mass Transit Administration (UMTA), while freeways that are part of the interstate highway system are regulated by the Federal Highway Administration (FHWA). Finally, the federal government actively advocates that local jurisdictions use their land use regulatory authority to arrange new development in such a way that "noise sensitive" uses are either prohibited from being sited adjacent to a highway or, alternately that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Although the proposed project is not under the jurisdiction of the FTA, the FTA is the only agency that has defined what constitutes a significant noise impact from implementing a project. The FTA standards are based on extensive studies by the FTA and other governmental agencies on the human effects and reaction to noise and a summary of the FTA findings are provided below in Table A.

Table A – FTA Project Effects on Cumulative Noise Exposure

Existing Noise Exposure (dBA Leq or Ldn)	Allowable Noise Impact Exposure dBA Leq or Ldn		
	Project Only	Combined	Noise Exposure Increase
45	51	52	+7
50	53	55	+5
55	55	58	+3
60	57	62	+2
65	60	66	+1
70	64	71	+1
75	65	75	0

Source: Federal Transit Administration, 2006.

As shown in Table A, the allowable cumulative noise level increase created from a project would range from 0 to 7 dBA, which is based on the existing (ambient) noise levels in the project vicinity. The justification for the sliding scale, is that people already exposed to high levels of noise should be expected to tolerate only a small increase in the amount of noise in their community. In contrast, if the existing noise levels are quite low, it is reasonable to allow a greater change in the community noise for the equivalent difference in annoyance.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by the transportation sources, the City is restricted to regulating the noise generated by the transportation system through nuisance abatement ordinances and land use planning.

4.2 State Regulations

Noise Standards

California Department of Health Services Office of Noise Control

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the "Land Use Compatibility for Community Noise Environments Matrix," which allows the local jurisdiction to clearly delineate compatibility of sensitive uses with various incremental levels of noise. The land use compatibility guidelines developed by ONC along with other parameters from the California Governor's Office of Planning and Research were used by the City of Murrieta to develop its own land use compatibility standards as described below under Local Regulations.

California Noise Insulation Standards

Title 24, Chapter 1, Article 4 of the California Administrative Code (California Noise Insulation Standards) requires noise insulation in new hotels, motels, apartment houses, and dwellings (other than single-family detached housing) that provides an annual average noise level of no more than 45 dBA CNEL. When such structures are located within a 60-dBA CNEL (or greater) noise contour, an acoustical analysis is required to ensure that interior levels do not exceed the 45-dBA CNEL annual threshold. In addition, Title 21, Chapter 6, Article 1 of the California Administrative Code requires that all habitable rooms, hospitals, convalescent homes, and places of worship shall have an interior CNEL of 45 dB or less due to aircraft noise.

Government Code Section 65302

Government Code Section 65302 mandates that the legislative body of each county and city in California adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable.

California Vehicle Code Section 27200-27207 – On-Road Vehicle Noise

California Vehicle Code Section 27200-27207 provides noise limits for vehicles operated in California. For vehicles over 10,000 pounds noise is limited to 88 dB for vehicles manufactured before 1973, 86 dB for vehicles manufactured before 1975, 83 dB for vehicles manufactured before 1988, and 80 dB for vehicles manufactured after 1987. All measurements are based at 50 feet from the vehicle.

California Vehicle Section 38365-38380 – Off-Road Vehicle Noise

California Vehicle Code Section 38365-38380 provides noise limits for off-highway motor vehicles operated in California. 92 dBA for vehicles manufactured before 1973, 88 dBA for vehicles manufactured before 1975, 86 dBA for vehicles manufactured before 1986, and 82 dBA for vehicles manufactured after December 31, 1985. All measurements are based at 50 feet from the vehicle.

Vibration Standards

Title 14 of the California Administrative Code Section 15000 requires that all state and local agencies implement the California Environmental Quality Act (CEQA) Guidelines, which requires the analysis of exposure of persons to excessive groundborne vibration. However, no statute has been adopted by the state that quantifies the level at which excessive groundborne vibration occurs.

Caltrans issued the *Transportation- and Construction-Induced Vibration Guidance Manual* in 2004. The manual provides practical guidance to Caltrans engineers, planners, and consultants who must address vibration issues associated with the construction, operation, and maintenance of Caltrans projects. However, this manual is also used as a reference point by many lead agencies and CEQA practitioners throughout California, as it provides numeric thresholds for vibration impacts. Thresholds are established for continuous (construction-related) and transient (transportation-related) sources of vibration, which found that the human response becomes distinctly perceptible at 0.25 inch per second PPV for transient sources and 0.04 inch per second PPV for continuous sources.

4.3 Local Regulations

The City of Murrieta General Plan and Municipal Code establishes the following applicable policies related to noise and vibration.

City of Murrieta General Plan

The following applicable goals and policies to the proposed project are from the Noise Element of the General Plan.

Goal N-1 Noise sensitive land uses are properly and effectively protected from excessive noise generators.

Policies:

N-1.1 Comply with the Land Use Compatibility for Community Noise Environments (see Table B).

N-1.2 Protect schools, hospitals, libraries, churches, convalescent homes, and other noise sensitive uses from excessive noise levels by incorporating site planning and project design techniques to minimize noise impacts. The use of noise barriers shall be considered after all practical design-related noise measures have been integrated into the project. In cases where sound walls are necessary, they should help create an attractive setting with features such as setbacks, changes in alignment, detail and texture, murals, pedestrian access (if appropriate), and landscaping.

N-1.3 Discourage new residential development where the ambient noise level exceeds the noise level standards set forth in the Noise and Land Use Compatibility Guidelines (see Table B) and the City Noise Ordinance.

Table B – City of Murrieta Land Use Compatibility for Community Noise Environments

Land Use Categories	Community Noise Exposure (CNEL)			
	Normally Acceptable	Conditionally Acceptable	Normally Unacceptable	Clearly Unacceptable
Residential - Low Density, Single-Family, Duplex, Mobile Homes	50 – 60	55 – 70	70 – 75	75 – 85
Residential – Multiple Family	50 – 65	60 – 70	70 – 75	70 – 85
Transient Lodging – Motels, Hotels	50 – 65	60 – 70	70 – 75	70 – 85
Schools, Libraries, Churches, Hospitals, Nursing Homes	50 – 70	60 – 70	70 – 80	80 – 85
Auditoriums, Concert Halls, Amphitheaters	NA	50 – 70	NA	65 – 85
Sports Arenas, Outdoor Spectator Sports	NA	50 – 75	NA	70 – 85
Playgrounds, Neighborhood Parks	50 – 70	NA	67.5 – 77.5	72.5 – 85
Golf Courses, Riding Stables, Water Recreation, Cemeteries	50 – 70	NA	70 – 80	80 – 85
Office Buildings, Business Commercial and Professional	50 – 70	67.5 – 77.5	75 – 85	NA
Industrial, Manufacturing, Utilities, Agriculture	50 – 75	70 – 80	75 – 85	NA

CNEL = community noise equivalent level; NA = not applicable
Normally Acceptable: Specified land use satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.
Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features have been included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.
Normally Unacceptable: New construction or development should be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise-insulation features must be included in the design.
Clearly Unacceptable: New construction or development should generally not be undertaken.
Source: Table 11-2 from City of Murrieta General Plan, 2011.

Goal N-2 A comprehensive and effective land use planning and development review process that ensures noise impacts are adequately addressed.

Policies:

N-2.2 Integrate noise considerations into land use planning decisions to prevent new noise/land use conflicts.

N-2.3 Consider the compatibility of proposed land uses with the noise environment when preparing, revising, or reviewing development proposals.

N-2.4 Encourage proper site planning and architecture to reduce noise impacts.

N-2.5 Permit only those new development or redevelopment projects that have incorporated mitigation measures, so that standards contained in the Noise Element and Noise Ordinance are met.

N-2.6 Incorporate noise reduction features for items such as, but not limited to, parking and loading areas, ingress/egress point, HVAC units, and refuse collection areas, during site planning to mitigate anticipated noise impacts on affected noise sensitive land uses.

Goal N-3 Noise from mobile noise sources is minimized.
Policies:

N-3.4 Enforce the use of truck routes to limit unnecessary truck traffic in residential and commercial areas. Consider requiring traffic plans for construction projects and new commercial and industrial uses.

N-3.5 Consider the use of rubberized asphalt for new roadways or roadway rehabilitation projects.

Goal N-4 Reduce noise levels from construction activities.
Policies:

N-4.1 Regulate construction activities to ensure construction noise complies with the City's Noise Ordinance.

N-4.2 Limit the hours of construction activity in residential areas to reduce intrusive noise in early morning and evening hours and Sundays and holidays.

N-4.3 Employ construction noise reduction methods to the maximum extent feasible. These measures may include, but not limited to, shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied sensitive receptor areas, and use of electric air compressors and similar power tools, rather than diesel equipment.

N-4.6 Ensure acceptable noise levels are maintained near schools, hospitals, convalescent homes, churches, and other noise-sensitive areas.

City of Murrieta Municipal Code

The City of Murrieta Municipal Code establishes the following applicable standards related to noise.

16.30.060 Activities Exempt from Regulations.

The following activities shall be exempt from the provisions of this chapter:

C. Outdoor Activities. Activities conducted on public playgrounds and public or private school grounds, including, but not limited to, school athletic and school entertainment events.

H. Motor Vehicles, on Public Right-of-Way and Private Property. Except as provided in this chapter, all vehicles operating in a legal manner in compliance with local, state, and federal noise regulations within the public right-of-way or on private property.

I. Minor Maintenance to Residential Real Property. Noise sources associated with the minor maintenance of residential real property, provided the activities take place between the hours of seven a.m. and eight p.m. on any day except Sunday, or between the hours of nine a.m. and eight p.m. on Sunday.

16.30.070 Decibel Measurement.

Decibel measurements made in compliance with the provisions of this chapter shall be based on a reference sound-pressure of twenty (20) micropascals, as measured with a sound level meter using the

A-weighted network (scale) at slow response, or at the fast response when measuring impulsive sound levels and vibrations.

16.30.090 Exterior Noise Standards.

A. Standards for Noise Zones. Unless otherwise provided in this chapter, the following exterior noise levels shall apply to all receptor properties within a designated noise zone:

Table C – City of Murrieta Exterior Noise Standards

Noise Zone	Designated Noise Zone Land Use (Receptor Property)	Time Interval	Allowed Exterior Noise Level (dB)
I	Noise-sensitive area	Anytime	45
II	Residential Properties	10:00 p.m. to 7:00 a.m. (nighttime)	45
		7:00 a.m. to 10:00 p.m. (daytime)	50
	Residential Properties within five hundred (500) feet of a kennel(s)	7:00 a.m. to 10:00 p.m.	70
III	Commercial properties	10:00 p.m. to 7:00 a.m. (nighttime)	
		7:00 a.m. to 10:00 p.m. (daytime)	60
IV	Industrial properties	Anytime	70

Source: City of Murrieta Municipal Code Section 16.30.090.

B. Noise Standards. No person shall operate or cause to be operated. any source of sound at any location within the city or allow the creation of any noise on property owned, leased, occupied or otherwise controlled by a person that causes the noise level, when measured on any other property to exceed the following exterior noise standards:

1. Standard No. 1. Standard No. 1 shall be the the exterior noise level which shall not be exceeded for a cumulative period of more than thirty (30) minutes in any hour. Standard No. 1 may be the applicable noise level from Table 3-6 above (see Table C).

2. Standard No. 2. Standard No. 2 shall be the exterior noise level which shall not be exceeded for a cumulative period of more than fifteen (15) minutes in any hour. Standard No. 2 shall be the applicable noise level from Table 3-6 above (see Table C), plus five dB.

3. Standard No. 3. Standard No. 3 shall be the exterior noise level which shall not be exceeded for a cumulative period of more than five minutes in any hour. Standard No. 3 shall be the applicable noise level from Table 3-6 above (see Table C) plus ten dB.

4. Standard No. 4. Standard No. 4 shall be the exterior noise level which shall not be exceeded for a cumulative period of more than one minute in any hour. Standard No. 4 shall be the applicable noise level from Table 3-6 above (see Table C) plus fifteen (15) dB.

5. Standard No. 5. Standard No. 5 shall be the exterior noise level which shall not be exceeded for any period of time. Standard No. 5 shall be the applicable noise level from Table 3-6 above (see Table C) plus twenty (20) dB.

C. Noise at Zone Boundaries. If the measurement location is on a boundary property between two different zoning districts, the exterior noise level utilized in subsection B of this chapter to determine the exterior standard shall be the arithmetic mean of the exterior noise levels as specified in Table 3-6 (see Table C), of the subject zones.

16.30.130 Acts Deemed Violations of Chapter.

The following acts are a violation of this chapter.

A. Construction Noise

1. Operating or causing the operation of tools or equipment used in construction, drilling, repair, alteration, or demolition work between weekday hours of seven (7:00) p.m. and seven (7:00) a.m., or at any time on Sundays or holidays, so that the sound creates a noise disturbance across a residential or commercial property line, except for emergency work of public service utilities.
2. Construction activities shall be conducted in a manner that the maximum noise levels at the affected structures will not exceed those listed in the following schedule:

a. Residential Structures:

1) Mobile Equipment. Maximum noise levels for nonscheduled, intermittent, short-term operation (less than ten days) of mobile equipment (see Table D):

Table D – City of Murrieta Mobile Equipment Construction Noise Standards

Time Interval	Single-Family Residential	Multifamily Residential	Commercial
Daily, except Sundays and Legal Holidays 7:00 a.m. to 7:00 p.m.	75 dBA	80 dBA	85 dBA
Daily, 7:00 p.m. to 7:00 a.m. and all day Sunday and Legal Holidays	60 dBA	64 dBA	70 dBA

Source: City of Murrieta Municipal Code Section 16.30.130.

2) Stationary Equipment. Maximum noise level for repetitively scheduled and relatively long-term operation periods (three days or more) of stationary equipment (see Table E):

Table E – City of Murrieta Stationary Equipment Construction Noise Standards

Time Interval	Single-Family Residential	Multi-family Residential	Commercial
Daily, except Sundays and Legal Holidays 7:00 a.m. to 7:00 p.m.	60 dBA	65 dBA	70 dBA
Daily, 7:00 p.m. to 7:00 a.m. and all day Sunday and Legal Holidays	50 dBA	55 dBA	60 dBA

Source: City of Murrieta Municipal Code Section 16.30.130.

b. **Business Structures:** Maximum noise levels for nonscheduled, intermittent, short-term operation of mobile equipment: daily, including Sundays and legal holidays, all hours: maximum of eighty-five (85) dBA.

3. All mobile or stationary internal combustion engine powered equipment or machinery shall be equipped with suitable exhaust and air intake silencers in proper working order.

B. Loading and Unloading Operations. Loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans or similar objects between the hours of ten p.m. and six a.m. in a manner to cause a noise disturbance is prohibited.

D. Places of Public Entertainment. Operating, playing, or permitting the operation or playing of a radio, television, phonograph, drum, musical instrument, sound amplifier or similar device that produces, or amplifies sound in a place of public entertainment at a sound level greater than ninety-five (95) dBA, (read by the slow response on a sound level meter) at any point that is normally occupied by a customer is prohibited, unless conspicuous signs are located near each public entrance stating, "Warning: Sound Levels May Cause Hearing Impairment."

K. Vibration. Operating or permitting the operation of any device that creates vibration that is above the vibration perception threshold of any individual at or beyond the property boundary of the source if on private property, or at 150 feet from the source if on public space or public right-of-way is prohibited. The perception threshold shall be a motion velocity of 0.01 in/sec over the range of 1 to 100 hertz.

5.0 EXISTING NOISE CONDITIONS

To determine the existing noise levels, noise measurements have been taken in the vicinity of the project site. The field survey noted that noise within the proposed project area is generally characterized by vehicle traffic on Interstate 215 and to a lesser extent from the nearby local roads of Linnel Lane and McElwain Road. The following describes the measurement procedures, measurement locations, noise measurement results, and the modeling of the existing noise environment.

5.1 Noise Measurement Equipment

The noise measurements were taken using three Larson Davis Model LXT1 Type 1 sound level meters programmed in "slow" mode to record the sound pressure level at 1-second intervals for 24 hours in "A" weighted form. In addition, the L_{eq} averaged over the entire measuring time and L_{max} were recorded with both sound level meters. The sound level meters and microphones were mounted on fences approximately five feet above the ground and were equipped with windscreens during all measurements. The noise meters were calibrated before and after the monitoring using a Larson Davis Cal200 calibrator. All noise level measurement equipment meets American National Standards Institute specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA).

Noise Measurement Location

The noise monitoring locations were selected in order to obtain noise levels on the project site. Descriptions of the noise monitoring sites are provided below in Table F. Appendix A includes a photo index of the study area and noise level measurement locations.

Noise Measurement Timing and Climate

The noise measurements were recorded between 12:13 p.m. on Tuesday, May 14, 2019 and 12:32 p.m. on Wednesday, May 15, 2019. When the noise measurements were started the sky was partly cloudy, the temperature was 78 degrees Fahrenheit, the humidity was 53 percent, barometric pressure was 28.30 inches of mercury, and the wind was blowing around five miles per hour. Overnight, the sky was cloudy and the temperature dropped to 54 degrees Fahrenheit. At the conclusion of the noise measurements, the sky was partly cloudy, the temperature was 67 degrees Fahrenheit, the humidity was 67 percent, barometric pressure was 28.29 inches of mercury, and the wind was blowing around seven miles per hour.

5.2 Noise Measurement Results

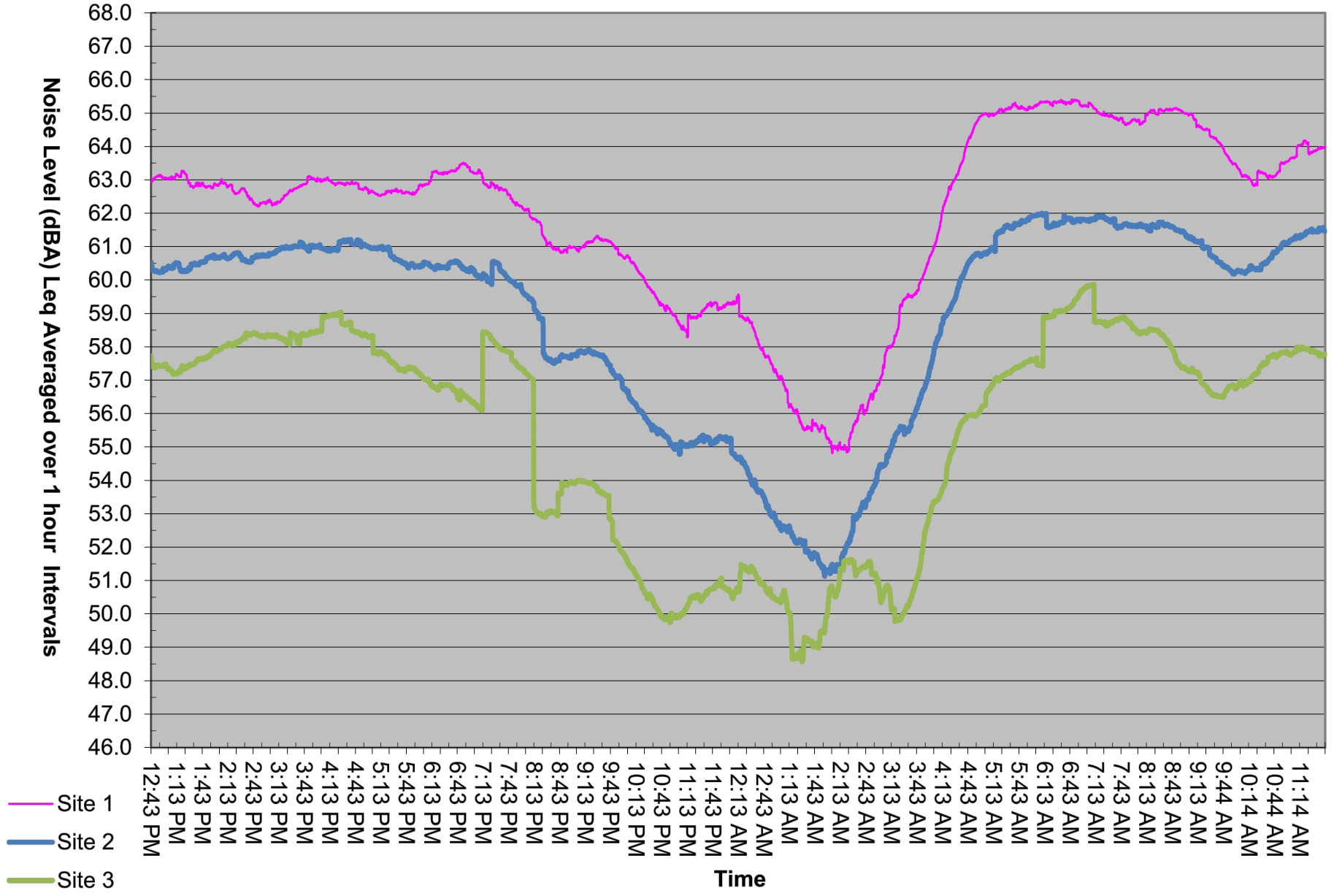
The results of the noise level measurements are presented in Table F. The measured sound pressure levels in dBA have been used to calculate the minimum and maximum L_{eq} averaged over the daytime (7:00 a.m. to 10:00 p.m.), nighttime (10:00 p.m. to 7:00 a.m.) and minimum and maximum 1-hour intervals. Table F also shows the 24-hour CNEL, based on the entire measurement time. The noise monitoring data printouts are included in Appendix B. Figure 3 shows a graph of the 24-hour noise measurements.

Table F – Existing (Ambient) Noise Level Measurements

Site No.	Site Description	Average (dBA L_{eq})		1-hr Average (dBA L_{eq}/Time)		Average (dBA CNEL)
		Daytime[1]	Nighttime[2]	Minimum	Maximum	
1	Located on fence on north property line, approximately 55 feet west of northeast property corner and 160 feet west of I-215 centerline.	64.3	60.2	54.8 2:03 a.m.	65.4 6:16 a.m.	68.5
2	Located on fence on south side of project site, approximately 105 feet west of east property line, 205 feet west of I-215 centerline and 120 feet north of Linnel Lane centerline.	61.7	56.4	51.1 2:02 a.m.	62.0 6:13 a.m.	65.0
3	Located on fence near middle of project site, approximately 350 feet north of Linnel Road centerline and 620 feet west of I-215 centerline.	58.7	52.1	48.6 1:36 a.m.	59.9 7:30 a.m.	61.1

Notes:
[1] Daytime defined as 7:00 a.m. to 10:00 p.m. (Section 11.05.040 of the Municipal Code)
[2] Nighttime define as 10:0 p.m. to 7:00 a.m. (Section 11.05.040 of the Municipal Code)
Source: Noise measurements taken between Wednesday, April 3, 2019 and Thursday, April 4, 2019.

Table F shows that the currently the noise level on the project site ranges between 61.1 and 68.5 dBA CNEL, which is within the City's Land Use Compatibility criteria of "Conditionally Acceptable" noise exposure level of 70 dBA CNEL or less for transient lodging land uses as detailed above in Table B. A "Conditionally Acceptable" noise exposure level requires that "New developments should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features have been included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning normally suffice."



SOURCE: Larson Davis LXT Type 1 Sound Level Meters.

VISTA ENVIRONMENTAL

Figure 3
Field Noise Measurements Graph

6.0 MODELING PARAMETERS AND ASSUMPTIONS

6.1 Construction Noise

The noise impacts from construction of the proposed project have been analyzed through use of the FHWA's Roadway Construction Noise Model (RCNM). The FHWA compiled noise measurement data regarding the noise generating characteristics of several different types of construction equipment used during the Central Artery/Tunnel project in Boston. Table G below provides a list of the construction equipment anticipated to be used for each phase of construction as detailed in *Air Quality, Energy and Greenhouse Gas Emissions Impact Analysis Sapphire Hotel & Event Center Project* (Air Quality Analysis), prepared by Vista Environmental, May 20, 2019.

Table G – Construction Equipment Noise Emissions and Usage Factors

Equipment Description	Number of Equipment	Acoustical Use Factor[1] (percent)	Spec 721.560 Lmax at 50 feet[2] (dBA, slow[3])	Actual Measured Lmax at 50 feet[4] (dBA, slow[3])
Site Preparation				
Rubber Tired Dozer	3	40	85	82
Tractor, Loader or Backhoe[5]	4	40	84	N/A
Grading				
Excavator	2	40	85	81
Grader	1	40	85	83
Rubber Tired Dozer	1	40	85	82
Scrapers	2	40	85	84
Tractor, Loader or Backhoe[5]	2	40	84	N/A
Building Construction				
Crane	1	16	85	81
Forklift (Gradall)	3	40	85	83
Generator	1	50	82	81
Tractor, Loader or Backhoe[5]	3	40	84	N/A
Welder	1	40	73	74
Paving				
Paver	2	50	85	77
Paving Equipment	2	50	85	77
Roller	2	20	85	80
Architectural Coating				
Air Compressor	1	40	80	78

Notes:
[1] Acoustical use factor is the percentage of time each piece of equipment is operational during a typical workday.
[2] Spec 721.560 is the equipment noise level utilized by the RCNM program.
[3] The "slow" response averages sound levels over 1-second increments. A "fast" response averages sound levels over 0.125-second increments.
[4] Actual Measured is the average noise level measured of each piece of equipment during the Central Artery/Tunnel project in Boston, Massachusetts primarily during the 1990s.
[5] For the tractor/loader/backhoe, the tractor noise level was utilized, since it is the loudest of the three types of equipment.
Source: Federal Highway Administration, 2006 and CalEEMod default equipment mix.

Table G also shows the associated measured noise emissions for each piece of equipment from the RCNM model and measured percentage of typical equipment use per day. Construction noise impacts to the nearby sensitive receptors have been calculated according to the equipment noise levels and usage

factors listed in Table G and through use of the RCNM. For each phase of construction, the nearest piece of equipment was placed at the shortest distance of possible locations for the proposed activity to the nearest sensitive receptor and each subsequent piece of equipment was placed an additional 50 feet away.

6.2 Operations-Related Noise

FHWA Model Methodology

The proposed project would result in increases in traffic noise to the nearby roadways as well as introduce new sensitive receptors to the project site. The project impacts to the offsite roadways were analyzed through use of the FHWA Traffic Noise Prediction Model - FHWA-RD-77-108 (FHWA Model). The FHWA Model arrives at a predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). Adjustments are then made to the reference energy mean emission level to account for: 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) and the percentage of ADT which flows during the day, evening and night, the travel speed, the vehicle mix on the roadway, which is a percentage of the volume of automobiles, medium trucks and heavy trucks, the roadway grade, the angle of view of the observer exposed to the roadway and site conditions ("hard" or "soft" relates to the absorption of the ground, pavement or landscaping). The following section provides a discussion of the software and modeling input parameters used in this analysis and a discussion of the resultant existing noise model.

FHWA Model Traffic Noise Prediction Model Inputs

The roadway parameters used for this study are presented in Table H. The roadway classifications are based on the City's General Plan Circulation Element. The roadway speeds are based on the posted speed limits. The distance to the nearest sensitive receptor was determined by measuring the distance from the roadway centerline to the nearest residence. Since the study area is located in a suburban environment and landscaping exists along the sides of all analyzed roadways, soft site conditions were modeled.

Table H – FHWA Model Roadway Parameters

Roadway	Segment	General Plan Classification	Vehicle Speed (MPH)	Distance to Nearest Receptor[1] (feet)
McElwain Road	South of Linnel Road	Secondary	35	55
Linnel Lane	West of Stepp Road	Collector	35	150
Linnel Lane	East of Stepp Road	Collector	35	275
Clinton Keith Road	West of McElwain Road	Arterial	45	110
Clinton Keith Road	East of McElwain Road	Arterial	40	70

Notes:
[1] Distance measured from nearest residential structure to centerline of roadway.
Source: Trames Solutions, Inc., 2019; and City of Murrieta, 2011.

The average daily traffic (ADT) volumes were obtained from the *McElwain and Linnel Traffic Impact Analysis* (Traffic Impact Analysis), prepared by Trames Solutions, Inc., April 26, 2019. The Traffic Impact Analysis provides the ADT volumes for the without project and with project conditions for the existing, existing plus ambient year 2021, and existing plus ambient plus cumulative projects year 2021 scenarios. The ADT volumes used in this analysis are shown in Table I.

Table I – FHWA Model Average Daily Traffic Volumes

Roadway	Segment	Average Daily Traffic Volumes					
		Existing	Existing + Project	Opening Year 2021	Opening Year 2021 + Project	Ambient + Cumulative Year 2021	Ambient + Cumulative + Project
McElwain Road	South of Linnel Road	5,300	5,900	5,500	6,100	9,700	10,300
Linnel Lane	West of Stepp Road	7,800	8,300	8,100	8,600	12,300	12,800
Linnel Lane	East of Stepp Road	3,200	3,600	3,300	3,700	7,500	7,900
Clinton Keith Road	West of McElwain Road	42,700	42,900	44,400	44,600	58,900	59,100
Clinton Keith Road	East of McElwain Road	40,300	40,700	41,900	42,300	58,500	58,900

Source: Trames Solutions, Inc., 2019.

The vehicle mix used in the FHWA-RD-77-108 Model is shown in Table J and is based on the typical vehicle mixes observed for collector and arterial roadways in Riverside County. The vehicle mix provides the hourly distribution percentages of automobiles, medium trucks, and heavy trucks for input into the FHWA model.

Table J – Roadway Vehicle Mix

Vehicle Type	Traffic Flow Distributions			
	Day (7 a.m. to 7 p.m.)	Evening (7 p.m. to 10 p.m.)	Night (10 p.m. to 7 a.m.)	Overall
Secondary and Collector Vehicle Mix				
Automobiles	73.6%	13.6%	10.2%	97.42%
Medium Trucks	0.9%	0.9%	0.0%	1.84%
Heavy Trucks	0.4%	0.0%	0.4%	0.74%
Arterial Vehicle Mix				
Automobiles	69.5%	12.9%	9.6%	92.0%
Medium Trucks	1.4%	0.1%	1.5%	3.0%
Heavy Trucks	2.4%	0.1%	2.5%	5.0%

Source: Vista Environmental and Riverside County General Plan, 2008.

FHWA Model Source Assumptions

To assess the roadway noise generation in a uniform manner, all vehicles are analyzed at the single lane equivalent acoustic center of the roadway being analyzed. In order to determine the height above the road grade where the noise is being emitted from, each type of vehicle has been analyzed independently with autos at road grade, medium trucks at 2.3 feet above road grade, and heavy trucks at 8 feet above road grade. These elevations were determined through a noise-weighted average of the elevation of the exhaust pipe, tires and mechanical parts in the engine, which are the primary noise emitters from a vehicle.

6.3 Vibration

Construction activity can result in varying degrees of ground vibration, depending on the equipment used on the site. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Buildings in the vicinity of the construction site respond to these vibrations with varying results ranging from no perceptible effects at the low levels to slight damage at the highest levels. Table K gives approximate vibration levels for particular construction activities. The data in Table K provides a reasonable estimate for a wide range of soil conditions.

Table K – Vibration Source Levels for Construction Equipment

Equipment		Peak Particle Velocity (inches/second)	Approximate Vibration Level (L_v)at 25 feet
Pile driver (impact)	Upper range	1.518	112
	typical	0.644	104
Pile driver (sonic)	Upper range	0.734	105
	typical	0.170	93
Clam shovel drop (slurry wall)		0.202	94
Vibratory Roller		0.210	94
Hoe Ram		0.089	87
Large bulldozer		0.089	87
Caisson drill		0.089	87
Loaded trucks		0.076	86
Jackhammer		0.035	79
Small bulldozer		0.003	58

Source: Federal Transit Administration, May 2006.

The construction-related vibration impacts have been calculated through the vibration levels shown above in Table K and through typical vibration propagation rates. The equipment assumptions were based on the equipment lists provided above in Table G.

7.0 IMPACT ANALYSIS

7.1 CEQA Thresholds of Significance

Consistent with the California Environmental Quality Act (CEQA) and the State CEQA Guidelines, a significant impact related to noise would occur if a proposed project is determined to result in:

- 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;
- Generation of excessive groundborne vibration or groundborne noise levels; or
- 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.

7.2 Generation of Noise Levels in Excess of Standards

The proposed project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. The following section calculates the potential noise emissions associated with the temporary construction activities and long-term operations of the proposed project and compares the noise levels to the City standards.

Construction-Related Noise

The construction activities for the proposed project are anticipated to include site preparation and grading of the 15.78-acre project site, building construction of the 120-room Hotel and 15,295 square foot Event Center, paving of the onsite parking lots and roads and improvements to the portions of Linnel Lane and McElwain Road that are adjacent to the project site, and application of architectural coatings. The nearest sensitive receptor to the project site is a single-family home located as near as 400 feet to the northwest of the project site. The nearest offsite workers are located as near as 80 feet to the south of the project site at the existing commercial retail center.

Section 16.30.130(A)(1) of the City's Municipal Code restricts construction activities from occurring between the weekday hours of 7:00 p.m. and 7:00 a.m., or at any time on Sundays or holidays. Section 16.30.130(A)(2)(a) of the City's Municipal Code limits construction noise that occurs during the allowable times at the nearby single-family homes to 75 dBA for mobile equipment and 60 dBA for stationary equipment. In addition, Section 16.30.130(A)(2)(b) of the Municipal Code limits construction noise that occurs during the allowable times at the nearby business structures to 85 dBA for all construction activities.

Construction noise impacts to the nearby sensitive receptors have been calculated through use of the RCNM and the parameters and assumptions detailed in Section 6.1 of this report including Table G – Construction Equipment Noise Emissions and Usage Factors. The results are shown below in Table L and the RCNM printouts are provided in Appendix C.

Table L – Construction Noise Levels at the Nearest Business Structure and Home

Construction Phase	Construction Noise Level (dBA Leq) at:	
	Nearest Business Structure[1]	Nearest Home[2]
Site Preparation	77	67
Grading	77	67
Building Construction	68	62
Paving	73	62
Painting	58	49
City's Construction Noise Thresholds	**85[3]**	**75/60[4]**
Exceed Thresholds?	**No**	**No**

[1] The nearest business structure is located as near as 80 feet to the south of the project site.
[2] The nearest home is located as near as 400 feet to the northwest of the project site.
[3] The business structure noise threshold of 85 dBA is for all types of construction equipment from Section 16.30.130(A)(2)(b) of the Municipal Code.
[4] The nearest home thresholds are 75 dBA for mobile equipment and 60 dBA for stationary equipment for single-family homes from Section 16.30.130(A)(2)(a) of the Municipal Code.
Source: RCNM, Federal Highway Administration, 2006

Table L shows that the greatest noise impacts would occur during the site preparation and grading phases of construction, with a noise level as high as 77 dBA Leq at the nearest business structure and as high as 67 dBA at the nearest home to the project site. Table L shows that construction noise from the proposed project would be within the City's business structure noise threshold of 85 dB as detailed in Section 16.30.130(A)(2)(b) of the Municipal Code and would be within the City's single-family residential noise threshold as detailed in Section 16.30.130(A)(2)(a) of the Municipal Code. Therefore, through adherence to allowable construction times provided in Section 16.30.130(A)(1) of the Municipal Code, the construction activities for the proposed project would not create a substantial temporary increase in ambient noise levels that are in excess of applicable noise standards. Impacts would be less than significant.

Operational-Related Noise

The proposed project would consist of the development of a 120-room Hotel and a 15,295 square foot Event Center. Potential noise impacts would be from project-generated vehicular traffic on the nearby roadways and from onsite activities, which have been analyzed separately below.

Roadway Vehicular Noise

Vehicle noise is a combination of the noise produced by the engine, exhaust and tires. The level of traffic noise depends on three primary factors (1) the volume of traffic, (2) the speed of traffic, and (3) the number of trucks in the flow of traffic. The proposed project does not propose any uses that would require a substantial number of truck trips and the proposed project would not alter the speed limit on any existing roadway so the proposed project's potential offsite noise impacts have been focused on the noise impacts associated with the change of volume of traffic that would occur with development of the proposed project.

Since neither the General Plan or Municipal Code defines what an increase in roadway noise would be considered significant, the noise increase threshold guidance provided by the Federal Transit Administration for a moderate impact that has been detailed above in Table A and shows that the project

contribution to the noise environment can range between 0 and 7 dB, which is dependent on the existing noise levels.

The potential offsite traffic noise impacts created by the on-going operations of the proposed project have been analyzed through utilization of the FHWA model and parameters described above in Section 6.2 and the FHWA model traffic noise calculation spreadsheets are provided in Appendix D. The proposed project's potential offsite traffic noise impacts have been analyzed for the existing, existing plus ambient year 2021, and existing plus ambient plus cumulative projects year 2021 scenarios that are discussed separately below.

Existing Conditions

The proposed project's potential offsite traffic noise impacts have been calculated through a comparison of the Existing scenario to the Existing With Project scenario. The results of this comparison are shown in Table M.

Table M – Existing Project Traffic Noise Contributions

		dBA CNEL at Nearest Receptor[1]			
Roadway	Segment	Existing	Existing Plus Project	Project Contribution	Increase Threshold[2]
McElwain Road	South of Linnel Road	59.9	60.4	0.5	+2 dBA
Linnel Lane	West of Stepp Road	54.4	54.6	0.2	+5 dBA
Linnel Lane	East of Stepp Road	46.5	47.0	0.5	+7 dBA
Clinton Keith Road	West of McElwain Road	67.3	67.3	0.0	+1 dBA
Clinton Keith Road	East of McElwain Road	69.1	69.2	0.1	+1 dBA

Notes:
[1] Distance to nearest residential use shown in Table H, does not take into account existing noise barriers.
[2] Increase Threshold obtained from the FTA's allowable noise impact exposures detailed above in Table A..
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table M shows that the proposed project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels for the existing conditions. Impacts would be less than significant.

Existing plus Ambient Opening Year 2021 Conditions

The proposed project's potential offsite traffic noise impacts have been calculated through a comparison of the Existing plus Ambient Opening Year 2021 scenario to the Existing plus Ambient Opening Year 2021 With Project scenario. The results of this comparison are shown in Table N.

Table N – Existing plus Ambient Opening Year 2021 Project Traffic Noise Contributions

Roadway	Segment	dBA CNEL at Nearest Receptor[1]			Increase Threshold[2]
		Opening Year 2021	Opening Year Plus Project	Project Contribution	
McElwain Road	South of Linnel Road	60.0	60.5	0.5	+2 dBA
Linnel Lane	West of Stepp Road	54.5	54.8	0.3	+3 dBA
Linnel Lane	East of Stepp Road	46.7	47.2	0.5	+7 dBA
Clinton Keith Road	West of McElwain Road	67.5	67.5	0.0	+1 dBA
Clinton Keith Road	East of McElwain Road	69.3	69.4	0.1	+1 dBA

Notes:
[1] Distance to nearest residential use shown in Table H, does not take into account existing noise barriers.
[2] Increase Threshold obtained from the FTA's allowable noise impact exposures detailed above in Table A..
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table N shows that the proposed project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels for the existing plus ambient opening year 2021 conditions. Impacts would be less than significant.

Existing plus Ambient plus Cumulative Opening Year 2021 Conditions

The proposed project's potential offsite traffic noise impacts have been calculated through a comparison of the Existing plus Ambient plus Cumulative Opening Year 2021 scenario to the Existing plus Ambient plus Cumulative Opening Year 2021 With Project scenario. The results of this comparison are shown in Table N.

Table O – Existing plus Ambient plus Cumulative Year 2021 Project Traffic Noise Contributions

Roadway	Segment	dBA CNEL at Nearest Receptor[1]			Increase Threshold[2]
		Cumulative Year 2021	Cumulative Plus Project	Project Contribution	
McElwain Road	South of Linnel Road	62.6	62.8	0.2	+2 dBA
Linnel Lane	West of Stepp Road	56.4	56.6	0.2	+3 dBA
Linnel Lane	East of Stepp Road	50.3	50.5	0.2	+5 dBA
Clinton Keith Road	West of McElwain Road	68.7	68.7	0.0	+1 dBA
Clinton Keith Road	East of McElwain Road	70.8	70.8	0.0	+1 dBA

Notes:
[1] Distance to nearest residential use shown in Table H, does not take into account existing noise barriers.
[2] Increase Threshold obtained from the FTA's allowable noise impact exposures detailed above in Table A..
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table N shows that the proposed project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels for the existing plus ambient plus cumulative opening year 2021 conditions. Impacts would be less than significant.

Onsite Noise Impacts to Offsite Sensitive Receptors

The operation of the proposed project may create an increase in onsite noise levels from noise impacts from outdoor events at the Event Center courtyards, rooftop mechanical equipment, parking lot activities, delivery truck activities, and Hotel pool and patio area activities. Section 16.30.090(A) of the City's Municipal Code limits noise generated from onsite activities at the nearby commercial properties to 60 dBA between 7:00 a.m. and 10:00 p.m. and 55 dBA Leq between 10:00 p.m. and 7:00 a.m. and at residential properties to 50 dBA between 7:00 a.m. and 10:00 p.m. and 45 dBA Leq between 10:00 p.m. and 7:00 a.m.

In order to determine the noise impacts from the Event Center courtyards, rooftop mechanical equipment, parking lot activities, delivery truck activities, and Hotel pool activities, reference noise measurements were taken of each noise source and are shown below in Table P. Table P also shows the anticipated noise level from each source at the nearest property line with a proposed land use. The operational reference noise measurements are shown in Appendix E.

Table P – Onsite Operational Noise Levels at the Nearby Sensitive Receptors

	Nearest Commercial Property		Nearest Home	
Noise Source	**Distance Receptor to Source (feet)**	**Noise Level[1] (dBA L_{eq})**	**Distance Receptor to Source (feet)**	**Noise Level[1] (dBA L_{eq})**
Event Center Courtyard[2]	570	51	900	46
Rooftop Mechanical Equipment[3]	320	29	880	18
Parking Lot[4]	300	16	750	6
Truck Delivery[5]	320	29	880	18
Hotel Pool and Patio[6]	300	34	1150	19
Combined Noise Levels		**51**		**46**
City Noise Standards (Day/Night)[7]		**60/55**		**50/45**
Exceed City Noise Standards (Day/Night)?		**No/No**		**No/Yes**

Notes:

[1] The noise levels were calculated through use of soft site geometric spreading of noise from a point source with a drop-off rate of 7.5 dB for each doubling of the distance between the source and receiver.

[2] The Event Center courtyard was based on a noise measurement 70 feet from an outdoor wedding reception with amplified music that produced a noise level of 74.0 dBA Leq.

[3] The rooftop equipment was based on a noise measurement 10 feet from an operational rooftop HVAC unit that measured 66.6 dBA Leq.

[4] The parking lot was based on a noise measurement 5 feet from a commercial parking lot that produced a noise level of 63.1 dBA Leq

[5] The truck delivery was based on a noise measurement 30 feet from a truck unloading that produced a noise level of 54.8 dBA Leq.

[6] The hotel pool and patio was based on a noise measurement 15 feet from a pool with approximately 50 people in pool area that produced a noise level of 66.6 dBA Leq.

[7] From Section 16.30.090 of the City's Municipal Code. It should be noted that per Section 16.30.090(C).

Table P shows that the proposed onsite noise sources may create combined noise levels as high as 51 dBA Leq at the nearest commercial property to the south and as high as 46 dBA Leq at the nearest home, located northwest of the project site. The calculated noise levels from onsite sources at the nearest commercial property would be within the City noise standards of 60 dBA between 7:00 am and 10:00 p.m. and 55 dBA between 10:00 p.m. and 7:00 a.m. as detailed in Section 16.30.090(A) of the Municipal Code. However, the calculated noise level at the nearest home of 46 dBA Leq would be within the City's residential noise standard of 50 dBA between 7:00 am and 10:00 p.m. but would exceed the noise standard of 45 dBA between 10:00 p.m. and 7:00 a.m. This would be considered a significant impact.

Mitigation Measure 1 is provided that restricts the use of sound amplification systems in the outside courtyards at the Event Center between the hours of 10:00 p.m. and 7:00 a.m. Through implementation of Mitigation Measure 1, the operational noise level at the nearest home would be reduced to 23 dBA between 10:00 p.m. and 7:00 a.m., which is well below the City's nighttime residential noise standard of 45 dBA between 10:00 p.m. and 7:00 a.m.. Therefore, with implementation of Mitigation Measure 1, the proposed project would not result in a substantial permanent increase in ambient noise levels from onsite noise sources. Impacts would be less than significant.

Noise Impacts to Proposed Onsite Sensitive Receptors

The proposed project would consist of the operation of a Hotel and Event Center that is located adjacent to the west side of I-215. General Plan Policy N-1.2 requires that the City protect new noise sensitive uses from excessive noise levels and provides Table B above in Section 4.3 that details for transient lodging that includes motels and hotels that the "Normally Acceptable" noise level is 65 dBA CNEL or below. In addition, Title 24, Chapter 1, Article 4 of the California Administrative Code requires that the interior noise level of all new hotel rooms within the State to not exceed 45 dBA CNEL. The exterior and interior noise impacts are analyzed separately below.

Exterior Hotel and Event Center Noise Impacts

The proposed project would consist of the operation of a 120-room hotel with an indoor/outdoor pool and patio area on the south side of the proposed Hotel that is located as near as 470 feet west of I-215 centerline and an Event Center with outdoor courtyards that are located as near as 250 feet west of I-215 centerline. The exterior noise levels at the proposed Hotel's pool and patio area and at the proposed Event Center courtyard that is nearest to the I-215 through use of the FHWA RD-77-108 model (see Appendix F) and a summary of the results are shown in Table Q.

Table Q – Proposed Hotel and Event Center Exterior Noise Levels

Location	Exterior Noise Level (dBA CNEL)	City's Exterior Noise Standard (dBA CNEL)	Exceed Standard?
Hotel Pool and Patio Area[1]	52	65	No
Event Center Outdoor East Courtyard	59	65	No

Notes:
[1] The Hotel pool area noise modeling accounts for the attenuation provided by being located on the side of the hotel structure and the approximately 17 foot elevation difference between I-215 and the hotel pad.
[2] The Event Center courtyard noise modeling account for the attenuation provide by the approximately 14 foot elevation difference between I-215 and the Event Center pad.
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table Q shows that the proposed outdoor noise sensitive areas of the Hotel pool and patio area and the Event Center outdoor courtyard would both be within the City's "Normally Acceptable" exterior noise standard for transient lodging land uses of 65 dBA CNEL. Impacts would be less than significant.

Interior Hotel Room Noise Impacts

To assess the interior noise levels related to compliance with the State's 45 dBA CNEL interior criteria, the architectural plans were utilized to calculate the exterior to interior attenuation rate of the most noise impacted hotel rooms, which was determined to be limited to the rooms on the east side of the proposed hotel that directly face I-215 and consist of the IBD Suite style room.

The hotel room floor area covered by carpet was calculated along with the total square footage of the ceilings and walls, in order to determine the sound absorption rate of the room. The area of exterior walls and windows were also calculated in order to determine the exterior transmission levels. The windows were based on standard commercial non-operable windows that have a 28 STC Rating and standard stucco walls that have a 46 STC Rating. The exterior to interior noise reduction was then determined by combining the calculated room absorption rate to the exterior to interior transmission calculations. This resulted in an exterior to interior attenuation rate of **36 dBA** for the most noise impacted hotel rooms. The exterior to interior transmission calculation spreadsheet printout is provided in Appendix G.

The Interstate 215 noise impacts to the east façade of the proposed hotel structure have been analyzed through utilization of the FHWA model and parameters described above in Section 6.2 and the FHWA model noise calculation spreadsheets are provided in Appendix F. The exterior noise level at the façade of the first, second, and third floors of the proposed hotel are shown below in Table R.

Table R – Proposed Hotel Rooms Interior Noise Levels

Hotel Room Location	Floor	Exterior Noise Level at Façade (dBA CNEL)	Interior Noise Levels[1] (dBA CNEL)
East Side facing Interstate 215	1	62	26
	2	64	28
	3	74	38
		State's Interior Hotel Room Noise Standard	**45**
		Exceed Standard?	**No**

Notes:
[1] The interior noise level is based on a 36 dBA exterior to interior noise reduction rate (see Appendix G).
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table R shows that interior noise levels of the most noise impacted east facing hotel rooms would all be within the State's 45 dBA CNEL interior noise standard. Impacts would be less than significant.

Level of Significance Before Mitigation

Potentially significant impact.

Mitigation Measures

Mitigation Measure 1:

The project applicant shall restrict the use of sound amplification systems in the outside courtyards at the Event Center between the hours of 10:00 p.m. and 7:00 a.m.. No time limitation is placed on the use of sound amplification systems that are utilized inside the Event Center.

Level of Significance After Mitigation

Less than significant impact.

7.3 Generation of Excessive Groundborne Vibration

The proposed project would not expose persons to or generation of excessive groundborne vibration or groundborne noise levels. The following section analyzes the potential vibration impacts associated with the construction and operations of the proposed project.

Construction-Related Vibration Impacts

The construction activities for the proposed project are anticipated to include site preparation and grading of the 15.78-acre project site, building construction of the 120-room Hotel and 15,295 square foot Event Center, paving of the onsite parking lots and roads and improvements to the portions of Linnel Lane and McElwain Road that are adjacent to the project site, and application of architectural coatings. Vibration impacts from construction activities associated with the proposed project would typically be created from the operation of heavy off-road equipment. The nearest vibration sensitive receptors to the project site are the offsite workers that are located as near as 80 feet to the south of the project site at the existing commercial retail center.

Section 16.30.130(K) of the City's Municipal Code restricts the operation of any device that creates a vibration which is above the vibration perception threshold of an individual at or beyond the property boundary of the source. The perception threshold is defined as a motion velocity of 0.01 inch per second over the range of 1 to 100 Hertz or a root mean square (rms) velocity of 0.01 inch per second.

The primary source of vibration during construction would be from the operation of a bulldozer. From Table K above a large bulldozer would create a vibration level of 87 VdB, which is equivalent to 0.02 inch per second rms at 25 feet. Based on typical propagation rates, the vibration level at the commercial retail center to the south (80 feet away from proposed construction activities) would be 0.01 inch per second rms. The vibration level at the location of the nearest offsite workers would be within the 0.01 inch per second rms threshold detailed above. Impacts would be less than significant.

Operations-Related Vibration Impacts

The proposed project would consist of the development of a 120-room Hotel and a 15,295 square foot Event Center. The proposed project would result in the operation of delivery trucks on the project site, which are a known source of vibration. The nearest vibration sensitive receptors to the project site are the offsite workers that are located as near as 80 feet to the south of the project site at the existing commercial retail center.

Caltrans has done extensive research on vibration level created along freeways and State Routes and their vibration measurements of roads have never exceeded 0.08 inches per second PPV or 0.02 inch per second rms at 15 feet from the center of the nearest lane, with the worst combinations of heavy trucks. Truck activities would occur onsite as near as 80 feet from the nearest offsite receptor. Based on typical propagation rates, the vibration level at the nearest offsite worker would by 0.003 inch per second rms. Therefore, vibration created from operation of the proposed project would be within the 0.01 inch per second rms threshold of detailed above. Impacts would be less than significant.

Level of Significance

Less than significant impact.

7.4 Aircraft Noise

The proposed project would not expose people residing or working in the project area to excessive noise levels from aircraft. The nearest airport is French Valley Airport that is located approximately 2.9 miles southeast of the project site. The project site is located outside of the 60 dBA CNEL noise contours of French Valley Airport. No impact would occur from aircraft noise.

Level of Significance

No impact.

8.0 REFERENCES

California Department of Transportation, *2016 Annual Average Daily Truck Traffic on the California State Highway System*, 2018.

California Department of Transportation (Caltrans), *Technical Noise Supplement to the Traffic Noise Analytics Protocol*, September 2013.

California Department of Transportation, *Transportation- and Construction-Induced Vibration Guidance Manual*, September 2013.

City of Murrieta, *Murrieta General Plan 2035,* July 19, 2011.

City of Murrieta, *Murrieta Municipal Code Section 16.30 Noise,* 1997

County of Riverside, *Comprehensive Update to the General Plan,* December 2008.

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment,* May 2006.

Trames Solutions, Inc., *McElwain and Linnel Traffic Impact Analysis,* April 26, 2019.

U.S. Department of Transportation, *FHWA Roadway Construction Noise Model User's Guide,* January, 2006.

Vista Environmental, *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis Sapphire Hotel & Event Center Project,* May 20, 2019.

APPENDIX A

Field Noise Measurements Photo Index

Noise Measurement Site 1 - looking north

Noise Measurement Site 1 - looking northeast

Noise Measurement Site 1 - looking east

Noise Measurement Site 1 - looking southeast

Noise Measurement Site 1 - looking south

Noise Measurement Site 1 - looking southwest

Noise Measurement Site 1 - looking west

Noise Measurement Site 1 - looking northwest

Noise Measurement Site 2 - looking north

Noise Measurement Site 2 - looking northeast

Noise Measurement Site 2 - looking east

Noise Measurement Site 2 - looking southeast

Noise Measurement Site 2 - looking south

Noise Measurement Site 2 - looking southwest

Noise Measurement Site 2 - looking west

Noise Measurement Site 2 - looking northwest

Noise Measurement Site 3 - looking north

Noise Measurement Site 3 - looking northeast

Noise Measurement Site 3 - looking east

Noise Measurement Site 3 - looking southeast

Noise Measurement Site 3 - looking south

Noise Measurement Site 3 - looking southwest

Noise Measurement Site 3 - looking west

Noise Measurement Site 3 - looking northwest

APPENDIX B

Field Noise Measurements Printouts

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

May 14, 2019 12:13:18 PM Leq Daytime = 64.3
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 60.2
Record Num = 86402 CNEL(24hr)= 68.5
Leq = 62.7 Ldn(24hr)= 68.2
Min = 31.5 Min Leq hr at 2:03 AM 54.8
Max = 84.5 Max Leq hr at 6:16 AM 65.4

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.0	12:13:18		61.0	61.0
60.7	12:13:19		60.7	60.7
64.9	12:13:20		64.9	64.9
66.4	12:13:21		66.4	66.4
71.7	12:13:22		71.7	71.7
74.2	12:13:23		74.2	74.2
71.0	12:13:24		71.0	71.0
67.1	12:13:25		67.1	67.1
61.4	12:13:26		61.4	61.4
61.7	12:13:27		61.7	61.7
67.5	12:13:28		67.5	67.5
73.4	12:13:29		73.4	73.4
69.5	12:13:30		69.5	69.5
66.0	12:13:31		66.0	66.0
62.5	12:13:32		62.5	62.5
59.8	12:13:33		59.8	59.8
57.6	12:13:34		57.6	57.6
56.4	12:13:35		56.4	56.4
62.8	12:13:36		62.8	62.8
67.3	12:13:37		67.3	67.3
63.6	12:13:38		63.6	63.6
64.0	12:13:39		64.0	64.0
63.8	12:13:40		63.8	63.8
65.4	12:13:41		65.4	65.4
66.2	12:13:42		66.2	66.2
65.9	12:13:43		65.9	65.9
63.6	12:13:44		63.6	63.6
66.6	12:13:45		66.6	66.6
67.4	12:13:46		67.4	67.4
68.9	12:13:47		68.9	68.9
65.5	12:13:48		65.5	65.5
65.7	12:13:49		65.7	65.7
65.1	12:13:50		65.1	65.1
68.8	12:13:51		68.8	68.8
67.4	12:13:52		67.4	67.4
69.8	12:13:53		69.8	69.8
68.8	12:13:54		68.8	68.8
66.9	12:13:55		66.9	66.9
66.6	12:13:56		66.6	66.6
68.0	12:13:57		68.0	68.0
68.3	12:13:58		68.3	68.3
74.3	12:13:59		74.3	74.3
70.3	12:14:00		70.3	70.3
66.3	12:14:01		66.3	66.3
62.7	12:14:02		62.7	62.7
60.6	12:14:03		60.6	60.6
60.0	12:14:04		60.0	60.0
59.8	12:14:05		59.8	59.8
60.7	12:14:06		60.7	60.7
61.7	12:14:07		61.7	61.7
63.2	12:14:08		63.2	63.2
62.3	12:14:09		62.3	62.3
60.7	12:14:10		60.7	60.7
62.4	12:14:11		62.4	62.4
64.2	12:14:12		64.2	64.2
64.6	12:14:13		64.6	64.6
62.1	12:14:14		62.1	62.1
59.8	12:14:15		59.8	59.8
58.9	12:14:16		58.9	58.9
60.9	12:14:17		60.9	60.9
60.8	12:14:18		60.8	60.8
61.0	12:14:19		61.0	61.0
61.2	12:14:20		61.2	61.2
62.3	12:14:21		62.3	62.3
62.0	12:14:22		62.0	62.0
61.4	12:14:23		61.4	61.4
60.6	12:14:24		60.6	60.6
59.9	12:14:25		59.9	59.9
59.1	12:14:26		59.1	59.1
59.2	12:14:27		59.2	59.2
60.7	12:14:28		60.7	60.7
62.6	12:14:29		62.6	62.6
66.6	12:14:30		66.6	66.6
66.4	12:14:31		66.4	66.4
67.4	12:14:32		67.4	67.4
68.2	12:14:33		68.2	68.2
67.5	12:14:34		67.5	67.5
66.6	12:14:35		66.6	66.6
66.1	12:14:36		66.1	66.1
65.0	12:14:37		65.0	65.0
64.6	12:14:38		64.6	64.6
66.5	12:14:39		66.5	66.5
68.5	12:14:40		68.5	68.5
68.9	12:14:41		68.9	68.9
66.2	12:14:42		66.2	66.2
63.7	12:14:43		63.7	63.7
62.0	12:14:44		62.0	62.0
61.7	12:14:45		61.7	61.7
61.8	12:14:46		61.8	61.8
62.7	12:14:47		62.7	62.7
64.2	12:14:48		64.2	64.2
64.8	12:14:49		64.8	64.8
64.6	12:14:50		64.6	64.6
64.5	12:14:51		64.5	64.5
64.1	12:14:52		64.1	64.1
63.0	12:14:53		63.0	63.0
62.2	12:14:54		62.2	62.2
62.5	12:14:55		62.5	62.5
63.2	12:14:56		63.2	63.2
62.6	12:14:57		62.6	62.6
62.2	12:14:58		62.2	62.2
63.0	12:14:59		63.0	63.0
64.7	12:15:00		64.7	64.7
65.9	12:15:01		65.9	65.9
66.2	12:15:02		66.2	66.2
67.2	12:15:03		67.2	67.2
67.0	12:15:04		67.0	67.0
65.8	12:15:05		65.8	65.8
65.0	12:15:06		65.0	65.0
64.5	12:15:07		64.5	64.5
63.7	12:15:08		63.7	63.7
62.8	12:15:09		62.8	62.8
62.6	12:15:10		62.6	62.6
62.9	12:15:11		62.9	62.9
62.7	12:15:12		62.7	62.7
62.9	12:15:13		62.9	62.9
62.4	12:15:14		62.4	62.4
62.0	12:15:15		62.0	62.0
61.5	12:15:16		61.5	61.5
60.8	12:15:17		60.8	60.8
60.3	12:15:18		60.3	60.3
59.6	12:15:19		59.6	59.6
58.6	12:15:20		58.6	58.6
57.7	12:15:21		57.7	57.7
57.3	12:15:22		57.3	57.3
57.6	12:15:23		57.6	57.6
57.1	12:15:24		57.1	57.1
55.8	12:15:25		55.8	55.8
54.8	12:15:26		54.8	54.8
56.2	12:15:27		56.2	56.2
59.2	12:15:28		59.2	59.2
62.0	12:15:29		62.0	62.0
62.6	12:15:30		62.6	62.6
63.3	12:15:31		63.3	63.3
64.0	12:15:32		64.0	64.0
64.0	12:15:33		64.0	64.0
64.0	12:15:34		64.0	64.0
62.5	12:15:35		62.5	62.5
61.3	12:15:36		61.3	61.3
61.1	12:15:37		61.1	61.1
61.2	12:15:38		61.2	61.2
61.4	12:15:39		61.4	61.4
60.8	12:15:40		60.8	60.8
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60.4	12:15:42		60.4	60.4
60.4	12:15:43		60.4	60.4
59.9	12:15:44		59.9	59.9
59.5	12:15:45		59.5	59.5
58.8	12:15:46		58.8	58.8
58.6	12:15:47		58.6	58.6
59.2	12:15:48		59.2	59.2
60.7	12:15:49		60.7	60.7
61.1	12:15:50		61.1	61.1
61.4	12:15:51		61.4	61.4
62.1	12:15:52		62.1	62.1
63.1	12:15:53		63.1	63.1
63.7	12:15:54		63.7	63.7
62.9	12:15:55		62.9	62.9
61.1	12:15:56		61.1	61.1
59.4	12:15:57		59.4	59.4
58.6	12:15:58		58.6	58.6
58.8	12:15:59		58.8	58.8
58.5	12:16:00		58.5	58.5
58.8	12:16:01		58.8	58.8
59.9	12:16:02		59.9	59.9
60.5	12:16:03		60.5	60.5
60.2	12:16:04		60.2	60.2
59.3	12:16:05		59.3	59.3
59.8	12:16:06		59.8	59.8
59.2	12:16:07		59.2	59.2

Site 2 - On South Side Approx 105 ft W of E Prop Line

May 14, 2019 12:21:13 PM Leq Daytime = 61.7
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 56.4
Record Num = 86402 CNEL(24hr)= 65.0
Leq = 59.8 Ldn(24hr)= 64.7
Min = 30.6 Min Leq hr at 2:02 AM 51.1
Max = 83.4 Max Leq hr at 6:13 AM 62.0

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
68.2	12:21:13		68.2	68.2
65.5	12:21:14		65.5	65.5
62.9	12:21:15		62.9	62.9
63.0	12:21:16		63.0	63.0
70.4	12:21:17		70.4	70.4
70.1	12:21:18		70.1	70.1
68.3	12:21:19		68.3	68.3
65.4	12:21:20		65.4	65.4
62.6	12:21:21		62.6	62.6
63.6	12:21:22		63.6	63.6
61.7	12:21:23		61.7	61.7
59.0	12:21:24		59.0	59.0
57.6	12:21:25		57.6	57.6
67.2	12:21:26		67.2	67.2
68.8	12:21:27		68.8	68.8
65.6	12:21:28		65.6	65.6
63.4	12:21:29		63.4	63.4
65.0	12:21:30		65.0	65.0
67.4	12:21:31		67.4	67.4
66.6	12:21:32		66.6	66.6
64.4	12:21:33		64.4	64.4
62.2	12:21:34		62.2	62.2
60.2	12:21:35		60.2	60.2
59.3	12:21:36		59.3	59.3
59.4	12:21:37		59.4	59.4
59.0	12:21:38		59.0	59.0
60.5	12:21:39		60.5	60.5
61.1	12:21:40		61.1	61.1
65.3	12:21:41		65.3	65.3
64.3	12:21:42		64.3	64.3
62.9	12:21:43		62.9	62.9
62.0	12:21:44		62.0	62.0
62.6	12:21:45		62.6	62.6
63.6	12:21:46		63.6	63.6
62.6	12:21:47		62.6	62.6
61.6	12:21:48		61.6	61.6
61.1	12:21:49		61.1	61.1
63.9	12:21:50		63.9	63.9
67.6	12:21:51		67.6	67.6
67.2	12:21:52		67.2	67.2
64.8	12:21:53		64.8	64.8
63.6	12:21:54		63.6	63.6
63.5	12:21:55		63.5	63.5
62.8	12:21:56		62.8	62.8
62.4	12:21:57		62.4	62.4
61.6	12:21:58		61.6	61.6
59.7	12:21:59		59.7	59.7
60.1	12:22:00		60.1	60.1
60.7	12:22:01		60.7	60.7
60.4	12:22:02		60.4	60.4
60.2	12:22:03		60.2	60.2
62.6	12:22:04		62.6	62.6
62.6	12:22:05		62.6	62.6
60.6	12:22:06		60.6	60.6
60.0	12:22:07		60.0	60.0
66.7	12:22:08		66.7	66.7
67.8	12:22:09		67.8	67.8
68.5	12:22:10		68.5	68.5
66.5	12:22:11		66.5	66.5
65.1	12:22:12		65.1	65.1
64.2	12:22:13		64.2	64.2
62.9	12:22:14		62.9	62.9
68.2	12:22:15		68.2	68.2
69.8	12:22:16		69.8	69.8
66.5	12:22:17		66.5	66.5
67.1	12:22:18		67.1	67.1
69.4	12:22:19		69.4	69.4
66.2	12:22:20		66.2	66.2
64.2	12:22:21		64.2	64.2
64.3	12:22:22		64.3	64.3
66.8	12:22:23		66.8	66.8
67.5	12:22:24		67.5	67.5
65.6	12:22:25		65.6	65.6
70.5	12:22:26		70.5	70.5
69.2	12:22:27		69.2	69.2
67.7	12:22:28		67.7	67.7
65.9	12:22:29		65.9	65.9
69.8	12:22:30		69.8	69.8
68.6	12:22:31		68.6	68.6
66.3	12:22:32		66.3	66.3
65.7	12:22:33		65.7	65.7
66.6	12:22:34		66.6	66.6
65.8	12:22:35		65.8	65.8
63.6	12:22:36		63.6	63.6
62.2	12:22:37		62.2	62.2
61.8	12:22:38		61.8	61.8
60.5	12:22:39		60.5	60.5
60.1	12:22:40		60.1	60.1
59.3	12:22:41		59.3	59.3
59.0	12:22:42		59.0	59.0
58.6	12:22:43		58.6	58.6
59.1	12:22:44		59.1	59.1
59.4	12:22:45		59.4	59.4
59.8	12:22:46		59.8	59.8
59.2	12:22:47		59.2	59.2
58.5	12:22:48		58.5	58.5
59.2	12:22:49		59.2	59.2
59.6	12:22:50		59.6	59.6
60.3	12:22:51		60.3	60.3
63.5	12:22:52		63.5	63.5
65.5	12:22:53		65.5	65.5
63.5	12:22:54		63.5	63.5
61.2	12:22:55		61.2	61.2
61.4	12:22:56		61.4	61.4
62.4	12:22:57		62.4	62.4
60.5	12:22:58		60.5	60.5
58.0	12:22:59		58.0	58.0
56.3	12:23:00		56.3	56.3
57.3	12:23:01		57.3	57.3
61.5	12:23:02		61.5	61.5
62.7	12:23:03		62.7	62.7
61.1	12:23:04		61.1	61.1
59.9	12:23:05		59.9	59.9
60.0	12:23:06		60.0	60.0
59.4	12:23:07		59.4	59.4
57.6	12:23:08		57.6	57.6
56.4	12:23:09		56.4	56.4
57.4	12:23:10		57.4	57.4
58.7	12:23:11		58.7	58.7
59.8	12:23:12		59.8	59.8
60.3	12:23:13		60.3	60.3
59.7	12:23:14		59.7	59.7
59.0	12:23:15		59.0	59.0
57.1	12:23:16		57.1	57.1
54.8	12:23:17		54.8	54.8
55.4	12:23:18		55.4	55.4
55.7	12:23:19		55.7	55.7
55.3	12:23:20		55.3	55.3
56.3	12:23:21		56.3	56.3
59.0	12:23:22		59.0	59.0
59.6	12:23:23		59.6	59.6
60.1	12:23:24		60.1	60.1
61.2	12:23:25		61.2	61.2
61.8	12:23:26		61.8	61.8
63.5	12:23:27		63.5	63.5
64.7	12:23:28		64.7	64.7
65.8	12:23:29		65.8	65.8
64.3	12:23:30		64.3	64.3
63.6	12:23:31		63.6	63.6
65.0	12:23:32		65.0	65.0
64.5	12:23:33		64.5	64.5
62.2	12:23:34		62.2	62.2
60.1	12:23:35		60.1	60.1
59.6	12:23:36		59.6	59.6
60.5	12:23:37		60.5	60.5
60.8	12:23:38		60.8	60.8
61.8	12:23:39		61.8	61.8
61.8	12:23:40		61.8	61.8
60.2	12:23:41		60.2	60.2
59.1	12:23:42		59.1	59.1
59.3	12:23:43		59.3	59.3
59.4	12:23:44		59.4	59.4
58.8	12:23:45		58.8	58.8
58.5	12:23:46		58.5	58.5
57.8	12:23:47		57.8	57.8
57.4	12:23:48		57.4	57.4
57.7	12:23:49		57.7	57.7
58.8	12:23:50		58.8	58.8
60.0	12:23:51		60.0	60.0
61.2	12:23:52		61.2	61.2
60.6	12:23:53		60.6	60.6
60.0	12:23:54		60.0	60.0
59.2	12:23:55		59.2	59.2
58.3	12:23:56		58.3	58.3
57.7	12:23:57		57.7	57.7
57.0	12:23:58		57.0	57.0
57.7	12:23:59		57.7	57.7
58.5	12:24:00		58.5	58.5
58.3	12:24:01		58.3	58.3
58.0	12:24:02		58.0	58.0

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

May 14, 2019 12:32:58 PM Leq Daytime = 58.7
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 52.1
Record Num = 86403 CNEL(24hr)= 61.1
Leq = 56.5 Ldn(24hr)= 60.7
Min = 34.6 Min Leq hr at 1:36 AM 48.6
Max = 83.6 Max Leq hr at 7:30 AM 59.9

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
64.2	12:32:58		64.2	64.2
60.8	12:32:59		60.8	60.8
67.9	12:33:00		67.9	67.9
69.5	12:33:01		69.5	69.5
71.8	12:33:02		71.8	71.8
70.3	12:33:03		70.3	70.3
71.6	12:33:04		71.6	71.6
70.7	12:33:05		70.7	70.7
67.0	12:33:06		67.0	67.0
63.7	12:33:07		63.7	63.7
60.6	12:33:08		60.6	60.6
59.1	12:33:09		59.1	59.1
58.1	12:33:10		58.1	58.1
56.4	12:33:11		56.4	56.4
55.1	12:33:12		55.1	55.1
55.7	12:33:13		55.7	55.7
55.6	12:33:14		55.6	55.6
55.7	12:33:15		55.7	55.7
56.1	12:33:16		56.1	56.1
56.8	12:33:17		56.8	56.8
61.7	12:33:18		61.7	61.7
61.0	12:33:19		61.0	61.0
58.4	12:33:20		58.4	58.4
56.0	12:33:21		56.0	56.0
54.0	12:33:22		54.0	54.0
53.0	12:33:23		53.0	53.0
52.1	12:33:24		52.1	52.1
66.3	12:33:25		66.3	66.3
63.6	12:33:26		63.6	63.6
60.9	12:33:27		60.9	60.9
59.9	12:33:28		59.9	59.9
58.1	12:33:29		58.1	58.1
58.3	12:33:30		58.3	58.3
57.4	12:33:31		57.4	57.4
57.1	12:33:32		57.1	57.1
56.4	12:33:33		56.4	56.4
55.9	12:33:34		55.9	55.9
55.5	12:33:35		55.5	55.5
55.7	12:33:36		55.7	55.7
55.0	12:33:37		55.0	55.0
54.6	12:33:38		54.6	54.6
56.5	12:33:39		56.5	56.5
56.2	12:33:40		56.2	56.2
55.8	12:33:41		55.8	55.8
58.6	12:33:42		58.6	58.6
59.7	12:33:43		59.7	59.7
57.8	12:33:44		57.8	57.8
57.3	12:33:45		57.3	57.3
57.1	12:33:46		57.1	57.1
57.8	12:33:47		57.8	57.8
57.9	12:33:48		57.9	57.9
57.8	12:33:49		57.8	57.8
57.1	12:33:50		57.1	57.1
62.1	12:33:51		62.1	62.1
62.0	12:33:52		62.0	62.0
59.4	12:33:53		59.4	59.4
57.5	12:33:54		57.5	57.5
55.9	12:33:55		55.9	55.9
55.2	12:33:56		55.2	55.2
54.9	12:33:57		54.9	54.9
53.8	12:33:58		53.8	53.8
54.9	12:33:59		54.9	54.9
54.8	12:34:00		54.8	54.8
55.4	12:34:01		55.4	55.4
58.0	12:34:02		58.0	58.0
59.4	12:34:03		59.4	59.4
58.7	12:34:04		58.7	58.7
58.3	12:34:05		58.3	58.3
61.4	12:34:06		61.4	61.4
61.3	12:34:07		61.3	61.3
59.3	12:34:08		59.3	59.3
58.5	12:34:09		58.5	58.5
58.1	12:34:10		58.1	58.1
57.8	12:34:11		57.8	57.8
59.9	12:34:12		59.9	59.9
59.3	12:34:13		59.3	59.3
62.2	12:34:14		62.2	62.2
61.5	12:34:15		61.5	61.5
60.5	12:34:16		60.5	60.5
64.2	12:34:17		64.2	64.2
62.3	12:34:18		62.3	62.3
61.1	12:34:19		61.1	61.1
60.4	12:34:20		60.4	60.4
63.1	12:34:21		63.1	63.1
62.7	12:34:22		62.7	62.7
61.7	12:34:23		61.7	61.7
65.8	12:34:24		65.8	65.8
65.4	12:34:25		65.4	65.4
65.9	12:34:26		65.9	65.9
66.8	12:34:27		66.8	66.8
69.3	12:34:28		69.3	69.3
69.5	12:34:29		69.5	69.5
66.1	12:34:30		66.1	66.1
65.2	12:34:31		65.2	65.2
63.7	12:34:32		63.7	63.7
62.4	12:34:33		62.4	62.4
61.1	12:34:34		61.1	61.1
60.3	12:34:35		60.3	60.3
60.2	12:34:36		60.2	60.2
61.2	12:34:37		61.2	61.2
61.7	12:34:38		61.7	61.7
61.1	12:34:39		61.1	61.1
62.2	12:34:40		62.2	62.2
65.1	12:34:41		65.1	65.1
63.7	12:34:42		63.7	63.7
62.6	12:34:43		62.6	62.6
61.3	12:34:44		61.3	61.3
60.8	12:34:45		60.8	60.8
60.1	12:34:46		60.1	60.1
59.4	12:34:47		59.4	59.4
60.4	12:34:48		60.4	60.4
60.8	12:34:49		60.8	60.8
59.2	12:34:50		59.2	59.2
57.9	12:34:51		57.9	57.9
57.0	12:34:52		57.0	57.0
57.1	12:34:53		57.1	57.1
56.5	12:34:54		56.5	56.5
55.4	12:34:55		55.4	55.4
54.4	12:34:56		54.4	54.4
55.0	12:34:57		55.0	55.0
55.3	12:34:58		55.3	55.3
55.9	12:34:59		55.9	55.9
55.6	12:35:00		55.6	55.6
56.2	12:35:01		56.2	56.2
56.7	12:35:02		56.7	56.7
57.6	12:35:03		57.6	57.6
58.0	12:35:04		58.0	58.0
57.9	12:35:05		57.9	57.9
60.6	12:35:06		60.6	60.6
58.7	12:35:07		58.7	58.7
56.9	12:35:08		56.9	56.9
56.6	12:35:09		56.6	56.6
57.1	12:35:10		57.1	57.1
58.6	12:35:11		58.6	58.6
65.5	12:35:12		65.5	65.5
62.7	12:35:13		62.7	62.7
59.9	12:35:14		59.9	59.9
58.2	12:35:15		58.2	58.2
57.0	12:35:16		57.0	57.0
55.9	12:35:17		55.9	55.9
55.8	12:35:18		55.8	55.8
55.6	12:35:19		55.6	55.6
54.9	12:35:20		54.9	54.9
55.3	12:35:21		55.3	55.3
55.1	12:35:22		55.1	55.1
55.1	12:35:23		55.1	55.1
54.9	12:35:24		54.9	54.9
55.2	12:35:25		55.2	55.2
55.3	12:35:26		55.3	55.3
55.1	12:35:27		55.1	55.1
55.5	12:35:28		55.5	55.5
55.2	12:35:29		55.2	55.2
54.6	12:35:30		54.6	54.6
54.0	12:35:31		54.0	54.0
54.3	12:35:32		54.3	54.3
54.4	12:35:33		54.4	54.4
55.6	12:35:34		55.6	55.6
56.9	12:35:35		56.9	56.9
56.8	12:35:36		56.8	56.8
58.7	12:35:37		58.7	58.7
60.4	12:35:38		60.4	60.4
60.0	12:35:39		60.0	60.0
58.5	12:35:40		58.5	58.5
58.1	12:35:41		58.1	58.1
58.6	12:35:42		58.6	58.6
59.6	12:35:43		59.6	59.6
62.0	12:35:44		62.0	62.0
62.9	12:35:45		62.9	62.9
61.2	12:35:46		61.2	61.2
60.6	12:35:47		60.6	60.6

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
57.5	12:16:08		57.5	57.5
56.1	12:16:09		56.1	56.1
56.1	12:16:10		56.1	56.1
58.3	12:16:11		58.3	58.3
60.2	12:16:12		60.2	60.2
61.4	12:16:13		61.4	61.4
61.9	12:16:14		61.9	61.9
62.5	12:16:15		62.5	62.5
63.6	12:16:16		63.6	63.6
64.0	12:16:17		64.0	64.0
63.6	12:16:18		63.6	63.6
63.6	12:16:19		63.6	63.6
63.6	12:16:20		63.6	63.6
62.7	12:16:21		62.7	62.7
63.1	12:16:22		63.1	63.1
64.6	12:16:23		64.6	64.6
65.3	12:16:24		65.3	65.3
64.6	12:16:25		64.6	64.6
63.2	12:16:26		63.2	63.2
62.0	12:16:27		62.0	62.0
61.2	12:16:28		61.2	61.2
60.4	12:16:29		60.4	60.4
60.0	12:16:30		60.0	60.0
60.1	12:16:31		60.1	60.1
60.4	12:16:32		60.4	60.4
60.9	12:16:33		60.9	60.9
61.8	12:16:34		61.8	61.8
62.0	12:16:35		62.0	62.0
62.1	12:16:36		62.1	62.1
62.0	12:16:37		62.0	62.0
61.1	12:16:38		61.1	61.1
59.8	12:16:39		59.8	59.8
59.1	12:16:40		59.1	59.1
58.2	12:16:41		58.2	58.2
58.1	12:16:42		58.1	58.1
60.8	12:16:43		60.8	60.8
63.0	12:16:44		63.0	63.0
63.7	12:16:45		63.7	63.7
62.2	12:16:46		62.2	62.2
60.3	12:16:47		60.3	60.3
59.8	12:16:48		59.8	59.8
60.6	12:16:49		60.6	60.6
63.3	12:16:50		63.3	63.3
64.2	12:16:51		64.2	64.2
63.3	12:16:52		63.3	63.3
62.7	12:16:53		62.7	62.7
61.6	12:16:54		61.6	61.6
60.9	12:16:55		60.9	60.9
59.8	12:16:56		59.8	59.8
58.2	12:16:57		58.2	58.2
57.7	12:16:58		57.7	57.7
58.8	12:16:59		58.8	58.8
61.2	12:17:00		61.2	61.2
62.1	12:17:01		62.1	62.1
61.3	12:17:02		61.3	61.3
60.1	12:17:03		60.1	60.1
59.8	12:17:04		59.8	59.8
60.1	12:17:05		60.1	60.1
61.6	12:17:06		61.6	61.6
62.1	12:17:07		62.1	62.1
60.6	12:17:08		60.6	60.6
60.9	12:17:09		60.9	60.9
62.1	12:17:10		62.1	62.1
62.1	12:17:11		62.1	62.1
61.2	12:17:12		61.2	61.2
61.0	12:17:13		61.0	61.0
62.4	12:17:14		62.4	62.4
64.3	12:17:15		64.3	64.3
64.7	12:17:16		64.7	64.7
63.6	12:17:17		63.6	63.6
62.5	12:17:18		62.5	62.5
63.2	12:17:19		63.2	63.2
65.4	12:17:20		65.4	65.4
67.3	12:17:21		67.3	67.3
67.5	12:17:22		67.5	67.5
67.0	12:17:23		67.0	67.0
65.4	12:17:24		65.4	65.4
63.4	12:17:25		63.4	63.4
61.8	12:17:26		61.8	61.8
60.6	12:17:27		60.6	60.6
60.0	12:17:28		60.0	60.0
60.4	12:17:29		60.4	60.4
60.6	12:17:30		60.6	60.6
59.6	12:17:31		59.6	59.6
58.8	12:17:32		58.8	58.8
59.5	12:17:33		59.5	59.5
60.2	12:17:34		60.2	60.2
60.2	12:17:35		60.2	60.2
59.8	12:17:36		59.8	59.8
59.2	12:17:37		59.2	59.2
58.1	12:17:38		58.1	58.1
56.2	12:17:39		56.2	56.2
55.7	12:17:40		55.7	55.7
57.4	12:17:41		57.4	57.4
60.3	12:17:42		60.3	60.3
60.8	12:17:43		60.8	60.8
61.5	12:17:44		61.5	61.5
61.6	12:17:45		61.6	61.6
61.0	12:17:46		61.0	61.0
61.2	12:17:47		61.2	61.2
61.7	12:17:48		61.7	61.7
61.8	12:17:49		61.8	61.8
62.2	12:17:50		62.2	62.2
62.6	12:17:51		62.6	62.6
62.4	12:17:52		62.4	62.4
61.6	12:17:53		61.6	61.6
60.7	12:17:54		60.7	60.7
59.9	12:17:55		59.9	59.9
59.0	12:17:56		59.0	59.0
58.3	12:17:57		58.3	58.3
57.0	12:17:58		57.0	57.0
56.8	12:17:59		56.8	56.8
59.1	12:18:00		59.1	59.1
59.1	12:18:01		59.1	59.1
58.3	12:18:02		58.3	58.3
57.5	12:18:03		57.5	57.5
57.9	12:18:04		57.9	57.9
58.1	12:18:05		58.1	58.1
59.0	12:18:06		59.0	59.0
61.3	12:18:07		61.3	61.3
63.6	12:18:08		63.6	63.6
64.0	12:18:09		64.0	64.0
62.3	12:18:10		62.3	62.3
61.0	12:18:11		61.0	61.0
59.2	12:18:12		59.2	59.2
57.2	12:18:13		57.2	57.2
56.6	12:18:14		56.6	56.6
56.8	12:18:15		56.8	56.8
57.5	12:18:16		57.5	57.5
57.8	12:18:17		57.8	57.8
56.9	12:18:18		56.9	56.9
56.0	12:18:19		56.0	56.0
56.9	12:18:20		56.9	56.9
58.5	12:18:21		58.5	58.5
59.8	12:18:22		59.8	59.8
59.8	12:18:23		59.8	59.8
59.8	12:18:24		59.8	59.8
59.3	12:18:25		59.3	59.3
58.6	12:18:26		58.6	58.6
56.8	12:18:27		56.8	56.8
54.9	12:18:28		54.9	54.9
54.6	12:18:29		54.6	54.6
58.2	12:18:30		58.2	58.2
62.4	12:18:31		62.4	62.4
64.4	12:18:32		64.4	64.4
64.4	12:18:33		64.4	64.4
65.4	12:18:34		65.4	65.4
66.4	12:18:35		66.4	66.4
66.4	12:18:36		66.4	66.4
65.2	12:18:37		65.2	65.2
62.6	12:18:38		62.6	62.6
60.0	12:18:39		60.0	60.0
57.6	12:18:40		57.6	57.6
57.4	12:18:41		57.4	57.4
59.3	12:18:42		59.3	59.3
61.6	12:18:43		61.6	61.6
63.3	12:18:44		63.3	63.3
62.7	12:18:45		62.7	62.7
60.9	12:18:46		60.9	60.9
60.9	12:18:47		60.9	60.9
62.9	12:18:48		62.9	62.9
61.9	12:18:49		61.9	61.9
60.6	12:18:50		60.6	60.6
60.1	12:18:51		60.1	60.1
60.7	12:18:52		60.7	60.7
60.6	12:18:53		60.6	60.6
59.5	12:18:54		59.5	59.5
58.9	12:18:55		58.9	58.9
59.5	12:18:56		59.5	59.5
61.0	12:18:57		61.0	61.0
62.5	12:18:58		62.5	62.5
62.5	12:18:59		62.5	62.5
61.9	12:19:00		61.9	61.9
61.5	12:19:01		61.5	61.5
61.2	12:19:02		61.2	61.2
60.4	12:19:03		60.4	60.4
59.6	12:19:04		59.6	59.6
58.7	12:19:05		58.7	58.7
57.3	12:19:06		57.3	57.3
57.0	12:19:07		57.0	57.0
58.6	12:19:08		58.6	58.6
59.7	12:19:09		59.7	59.7

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.5	12:24:03		58.5	58.5
60.4	12:24:04		60.4	60.4
60.7	12:24:05		60.7	60.7
60.4	12:24:06		60.4	60.4
58.5	12:24:07		58.5	58.5
57.5	12:24:08		57.5	57.5
56.8	12:24:09		56.8	56.8
57.8	12:24:10		57.8	57.8
59.3	12:24:11		59.3	59.3
60.4	12:24:12		60.4	60.4
59.9	12:24:13		59.9	59.9
59.9	12:24:14		59.9	59.9
59.8	12:24:15		59.8	59.8
60.1	12:24:16		60.1	60.1
60.5	12:24:17		60.5	60.5
60.8	12:24:18		60.8	60.8
59.8	12:24:19		59.8	59.8
58.7	12:24:20		58.7	58.7
58.1	12:24:21		58.1	58.1
58.0	12:24:22		58.0	58.0
59.9	12:24:23		59.9	59.9
60.8	12:24:24		60.8	60.8
60.6	12:24:25		60.6	60.6
60.6	12:24:26		60.6	60.6
62.3	12:24:27		62.3	62.3
67.7	12:24:28		67.7	67.7
67.6	12:24:29		67.6	67.6
65.6	12:24:30		65.6	65.6
63.1	12:24:31		63.1	63.1
60.5	12:24:32		60.5	60.5
60.1	12:24:33		60.1	60.1
59.4	12:24:34		59.4	59.4
57.5	12:24:35		57.5	57.5
55.6	12:24:36		55.6	55.6
55.3	12:24:37		55.3	55.3
54.3	12:24:38		54.3	54.3
53.8	12:24:39		53.8	53.8
56.3	12:24:40		56.3	56.3
57.4	12:24:41		57.4	57.4
58.0	12:24:42		58.0	58.0
57.7	12:24:43		57.7	57.7
55.8	12:24:44		55.8	55.8
55.6	12:24:45		55.6	55.6
58.4	12:24:46		58.4	58.4
59.3	12:24:47		59.3	59.3
58.6	12:24:48		58.6	58.6
61.5	12:24:49		61.5	61.5
63.4	12:24:50		63.4	63.4
61.5	12:24:51		61.5	61.5
59.9	12:24:52		59.9	59.9
60.4	12:24:53		60.4	60.4
61.1	12:24:54		61.1	61.1
62.1	12:24:55		62.1	62.1
62.3	12:24:56		62.3	62.3
61.3	12:24:57		61.3	61.3
59.3	12:24:58		59.3	59.3
58.2	12:24:59		58.2	58.2
57.8	12:25:00		57.8	57.8
57.4	12:25:01		57.4	57.4
57.2	12:25:02		57.2	57.2
56.8	12:25:03		56.8	56.8
58.3	12:25:04		58.3	58.3
60.7	12:25:05		60.7	60.7
60.8	12:25:06		60.8	60.8
60.5	12:25:07		60.5	60.5
59.1	12:25:08		59.1	59.1
59.3	12:25:09		59.3	59.3
58.9	12:25:10		58.9	58.9
58.0	12:25:11		58.0	58.0
58.8	12:25:12		58.8	58.8
62.7	12:25:13		62.7	62.7
64.9	12:25:14		64.9	64.9
64.5	12:25:15		64.5	64.5
62.3	12:25:16		62.3	62.3
60.0	12:25:17		60.0	60.0
58.6	12:25:18		58.6	58.6
57.5	12:25:19		57.5	57.5
57.0	12:25:20		57.0	57.0
57.3	12:25:21		57.3	57.3
56.5	12:25:22		56.5	56.5
55.4	12:25:23		55.4	55.4
54.6	12:25:24		54.6	54.6
55.7	12:25:25		55.7	55.7
58.5	12:25:26		58.5	58.5
58.9	12:25:27		58.9	58.9
57.9	12:25:28		57.9	57.9
57.4	12:25:29		57.4	57.4
56.2	12:25:30		56.2	56.2
57.0	12:25:31		57.0	57.0
57.7	12:25:32		57.7	57.7
57.1	12:25:33		57.1	57.1
57.0	12:25:34		57.0	57.0
58.8	12:25:35		58.8	58.8
59.0	12:25:36		59.0	59.0
59.6	12:25:37		59.6	59.6
60.4	12:25:38		60.4	60.4
62.6	12:25:39		62.6	62.6
66.7	12:25:40		66.7	66.7
67.2	12:25:41		67.2	67.2
64.5	12:25:42		64.5	64.5
61.4	12:25:43		61.4	61.4
59.1	12:25:44		59.1	59.1
58.5	12:25:45		58.5	58.5
58.3	12:25:46		58.3	58.3
58.1	12:25:47		58.1	58.1
58.4	12:25:48		58.4	58.4
57.7	12:25:49		57.7	57.7
58.3	12:25:50		58.3	58.3
59.1	12:25:51		59.1	59.1
59.0	12:25:52		59.0	59.0
58.9	12:25:53		58.9	58.9
57.9	12:25:54		57.9	57.9
58.1	12:25:55		58.1	58.1
57.7	12:25:56		57.7	57.7
57.4	12:25:57		57.4	57.4
57.7	12:25:58		57.7	57.7
58.1	12:25:59		58.1	58.1
59.9	12:26:00		59.9	59.9
61.1	12:26:01		61.1	61.1
60.3	12:26:02		60.3	60.3
59.3	12:26:03		59.3	59.3
59.2	12:26:04		59.2	59.2
61.4	12:26:05		61.4	61.4
62.6	12:26:06		62.6	62.6
65.4	12:26:07		65.4	65.4
66.9	12:26:08		66.9	66.9
65.4	12:26:09		65.4	65.4
63.1	12:26:10		63.1	63.1
61.8	12:26:11		61.8	61.8
60.8	12:26:12		60.8	60.8
59.9	12:26:13		59.9	59.9
57.6	12:26:14		57.6	57.6
55.9	12:26:15		55.9	55.9
56.7	12:26:16		56.7	56.7
58.7	12:26:17		58.7	58.7
59.1	12:26:18		59.1	59.1
60.4	12:26:19		60.4	60.4
61.4	12:26:20		61.4	61.4
60.5	12:26:21		60.5	60.5
58.3	12:26:22		58.3	58.3
57.0	12:26:23		57.0	57.0
58.2	12:26:24		58.2	58.2
59.7	12:26:25		59.7	59.7
61.5	12:26:26		61.5	61.5
62.3	12:26:27		62.3	62.3
61.3	12:26:28		61.3	61.3
59.8	12:26:29		59.8	59.8
58.2	12:26:30		58.2	58.2
59.0	12:26:31		59.0	59.0
60.1	12:26:32		60.1	60.1
59.6	12:26:33		59.6	59.6
58.7	12:26:34		58.7	58.7
57.9	12:26:35		57.9	57.9
57.0	12:26:36		57.0	57.0
58.2	12:26:37		58.2	58.2
58.6	12:26:38		58.6	58.6
58.1	12:26:39		58.1	58.1
57.6	12:26:40		57.6	57.6
58.4	12:26:41		58.4	58.4
58.2	12:26:42		58.2	58.2
57.3	12:26:43		57.3	57.3
56.1	12:26:44		56.1	56.1
53.7	12:26:45		53.7	53.7
51.7	12:26:46		51.7	51.7
51.8	12:26:47		51.8	51.8
52.9	12:26:48		52.9	52.9
53.4	12:26:49		53.4	53.4
55.1	12:26:50		55.1	55.1
58.4	12:26:51		58.4	58.4
59.6	12:26:52		59.6	59.6
59.8	12:26:53		59.8	59.8
59.2	12:26:54		59.2	59.2
58.7	12:26:55		58.7	58.7
57.5	12:26:56		57.5	57.5
56.3	12:26:57		56.3	56.3
57.5	12:26:58		57.5	57.5
58.1	12:26:59		58.1	58.1
59.5	12:27:00		59.5	59.5
60.1	12:27:01		60.1	60.1
59.0	12:27:02		59.0	59.0
60.3	12:27:03		60.3	60.3
60.2	12:27:04		60.2	60.2

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
60.1	12:35:48		60.1	60.1
59.5	12:35:49		59.5	59.5
59.1	12:35:50		59.1	59.1
58.6	12:35:51		58.6	58.6
58.4	12:35:52		58.4	58.4
58.9	12:35:53		58.9	58.9
58.4	12:35:54		58.4	58.4
57.6	12:35:55		57.6	57.6
57.2	12:35:56		57.2	57.2
56.7	12:35:57		56.7	56.7
56.8	12:35:58		56.8	56.8
57.9	12:35:59		57.9	57.9
58.4	12:36:00		58.4	58.4
58.3	12:36:01		58.3	58.3
58.9	12:36:02		58.9	58.9
59.7	12:36:03		59.7	59.7
58.8	12:36:04		58.8	58.8
59.2	12:36:05		59.2	59.2
59.9	12:36:06		59.9	59.9
60.9	12:36:07		60.9	60.9
60.6	12:36:08		60.6	60.6
60.7	12:36:09		60.7	60.7
60.3	12:36:10		60.3	60.3
60.2	12:36:11		60.2	60.2
60.1	12:36:12		60.1	60.1
59.7	12:36:13		59.7	59.7
59.2	12:36:14		59.2	59.2
58.8	12:36:15		58.8	58.8
58.2	12:36:16		58.2	58.2
58.4	12:36:17		58.4	58.4
56.8	12:36:18		56.8	56.8
55.9	12:36:19		55.9	55.9
55.2	12:36:20		55.2	55.2
54.4	12:36:21		54.4	54.4
54.3	12:36:22		54.3	54.3
54.2	12:36:23		54.2	54.2
55.2	12:36:24		55.2	55.2
56.4	12:36:25		56.4	56.4
56.9	12:36:26		56.9	56.9
56.0	12:36:27		56.0	56.0
55.7	12:36:28		55.7	55.7
55.5	12:36:29		55.5	55.5
55.7	12:36:30		55.7	55.7
56.4	12:36:31		56.4	56.4
56.4	12:36:32		56.4	56.4
56.7	12:36:33		56.7	56.7
56.8	12:36:34		56.8	56.8
57.0	12:36:35		57.0	57.0
57.7	12:36:36		57.7	57.7
57.6	12:36:37		57.6	57.6
57.0	12:36:38		57.0	57.0
57.1	12:36:39		57.1	57.1
57.5	12:36:40		57.5	57.5
57.1	12:36:41		57.1	57.1
57.7	12:36:42		57.7	57.7
58.0	12:36:43		58.0	58.0
57.8	12:36:44		57.8	57.8
58.1	12:36:45		58.1	58.1
57.6	12:36:46		57.6	57.6
58.4	12:36:47		58.4	58.4
58.2	12:36:48		58.2	58.2
57.6	12:36:49		57.6	57.6
56.5	12:36:50		56.5	56.5
56.3	12:36:51		56.3	56.3
55.7	12:36:52		55.7	55.7
55.4	12:36:53		55.4	55.4
55.2	12:36:54		55.2	55.2
54.6	12:36:55		54.6	54.6
54.0	12:36:56		54.0	54.0
54.5	12:36:57		54.5	54.5
55.0	12:36:58		55.0	55.0
55.3	12:36:59		55.3	55.3
56.1	12:37:00		56.1	56.1
57.1	12:37:01		57.1	57.1
58.5	12:37:02		58.5	58.5
59.0	12:37:03		59.0	59.0
59.5	12:37:04		59.5	59.5
59.8	12:37:05		59.8	59.8
59.1	12:37:06		59.1	59.1
57.4	12:37:07		57.4	57.4
57.1	12:37:08		57.1	57.1
56.5	12:37:09		56.5	56.5
55.6	12:37:10		55.6	55.6
54.8	12:37:11		54.8	54.8
53.8	12:37:12		53.8	53.8
52.9	12:37:13		52.9	52.9
52.4	12:37:14		52.4	52.4
51.5	12:37:15		51.5	51.5
51.5	12:37:16		51.5	51.5
51.2	12:37:17		51.2	51.2
51.3	12:37:18		51.3	51.3
51.0	12:37:19		51.0	51.0
50.9	12:37:20		50.9	50.9
52.4	12:37:21		52.4	52.4
55.2	12:37:22		55.2	55.2
55.6	12:37:23		55.6	55.6
55.2	12:37:24		55.2	55.2
54.9	12:37:25		54.9	54.9
55.0	12:37:26		55.0	55.0
55.3	12:37:27		55.3	55.3
55.7	12:37:28		55.7	55.7
55.8	12:37:29		55.8	55.8
56.4	12:37:30		56.4	56.4
58.4	12:37:31		58.4	58.4
58.3	12:37:32		58.3	58.3
58.1	12:37:33		58.1	58.1
57.8	12:37:34		57.8	57.8
58.0	12:37:35		58.0	58.0
56.9	12:37:36		56.9	56.9
56.7	12:37:37		56.7	56.7
57.7	12:37:38		57.7	57.7
58.1	12:37:39		58.1	58.1
57.4	12:37:40		57.4	57.4
56.8	12:37:41		56.8	56.8
56.5	12:37:42		56.5	56.5
57.2	12:37:43		57.2	57.2
58.7	12:37:44		58.7	58.7
58.6	12:37:45		58.6	58.6
58.5	12:37:46		58.5	58.5
58.8	12:37:47		58.8	58.8
59.7	12:37:48		59.7	59.7
59.8	12:37:49		59.8	59.8
59.5	12:37:50		59.5	59.5
59.4	12:37:51		59.4	59.4
60.0	12:37:52		60.0	60.0
60.8	12:37:53		60.8	60.8
60.1	12:37:54		60.1	60.1
60.1	12:37:55		60.1	60.1
59.6	12:37:56		59.6	59.6
59.2	12:37:57		59.2	59.2
58.1	12:37:58		58.1	58.1
57.3	12:37:59		57.3	57.3
56.3	12:38:00		56.3	56.3
56.4	12:38:01		56.4	56.4
56.2	12:38:02		56.2	56.2
56.4	12:38:03		56.4	56.4
56.2	12:38:04		56.2	56.2
55.4	12:38:05		55.4	55.4
55.0	12:38:06		55.0	55.0
55.9	12:38:07		55.9	55.9
56.0	12:38:08		56.0	56.0
56.3	12:38:09		56.3	56.3
56.4	12:38:10		56.4	56.4
55.5	12:38:11		55.5	55.5
57.0	12:38:12		57.0	57.0
58.1	12:38:13		58.1	58.1
56.5	12:38:14		56.5	56.5
55.5	12:38:15		55.5	55.5
54.6	12:38:16		54.6	54.6
54.2	12:38:17		54.2	54.2
53.7	12:38:18		53.7	53.7
53.7	12:38:19		53.7	53.7
53.8	12:38:20		53.8	53.8
54.2	12:38:21		54.2	54.2
54.7	12:38:22		54.7	54.7
55.2	12:38:23		55.2	55.2
55.4	12:38:24		55.4	55.4
56.3	12:38:25		56.3	56.3
56.8	12:38:26		56.8	56.8
56.6	12:38:27		56.6	56.6
56.9	12:38:28		56.9	56.9
56.7	12:38:29		56.7	56.7
56.5	12:38:30		56.5	56.5
57.0	12:38:31		57.0	57.0
57.3	12:38:32		57.3	57.3
57.1	12:38:33		57.1	57.1
57.1	12:38:34		57.1	57.1
57.5	12:38:35		57.5	57.5
57.6	12:38:36		57.6	57.6
57.3	12:38:37		57.3	57.3
57.4	12:38:38		57.4	57.4
58.1	12:38:39		58.1	58.1
58.3	12:38:40		58.3	58.3
58.0	12:38:41		58.0	58.0
57.7	12:38:42		57.7	57.7
57.3	12:38:43		57.3	57.3
57.8	12:38:44		57.8	57.8
58.8	12:38:45		58.8	58.8
58.2	12:38:46		58.2	58.2
58.2	12:38:47		58.2	58.2
57.4	12:38:48		57.4	57.4
56.3	12:38:49		56.3	56.3

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
59.7	12:19:10		59.7	59.7
59.6	12:19:11		59.6	59.6
59.3	12:19:12		59.3	59.3
59.2	12:19:13		59.2	59.2
58.0	12:19:14		58.0	58.0
56.9	12:19:15		56.9	56.9
58.9	12:19:16		58.9	58.9
61.1	12:19:17		61.1	61.1
60.1	12:19:18		60.1	60.1
58.6	12:19:19		58.6	58.6
58.4	12:19:20		58.4	58.4
59.3	12:19:21		59.3	59.3
59.9	12:19:22		59.9	59.9
60.2	12:19:23		60.2	60.2
60.6	12:19:24		60.6	60.6
60.9	12:19:25		60.9	60.9
61.1	12:19:26		61.1	61.1
61.3	12:19:27		61.3	61.3
61.2	12:19:28		61.2	61.2
60.6	12:19:29		60.6	60.6
59.5	12:19:30		59.5	59.5
58.2	12:19:31		58.2	58.2
57.5	12:19:32		57.5	57.5
57.6	12:19:33		57.6	57.6
58.8	12:19:34		58.8	58.8
60.8	12:19:35		60.8	60.8
61.2	12:19:36		61.2	61.2
60.2	12:19:37		60.2	60.2
59.7	12:19:38		59.7	59.7
59.7	12:19:39		59.7	59.7
60.1	12:19:40		60.1	60.1
60.8	12:19:41		60.8	60.8
60.7	12:19:42		60.7	60.7
60.8	12:19:43		60.8	60.8
60.2	12:19:44		60.2	60.2
59.4	12:19:45		59.4	59.4
60.3	12:19:46		60.3	60.3
61.6	12:19:47		61.6	61.6
62.1	12:19:48		62.1	62.1
61.8	12:19:49		61.8	61.8
60.7	12:19:50		60.7	60.7
60.0	12:19:51		60.0	60.0
59.4	12:19:52		59.4	59.4
58.1	12:19:53		58.1	58.1
56.5	12:19:54		56.5	56.5
55.8	12:19:55		55.8	55.8
56.0	12:19:56		56.0	56.0
55.3	12:19:57		55.3	55.3
54.7	12:19:58		54.7	54.7
55.6	12:19:59		55.6	55.6
57.6	12:20:00		57.6	57.6
59.2	12:20:01		59.2	59.2
59.7	12:20:02		59.7	59.7
60.0	12:20:03		60.0	60.0
60.6	12:20:04		60.6	60.6
61.1	12:20:05		61.1	61.1
61.4	12:20:06		61.4	61.4
62.2	12:20:07		62.2	62.2
63.1	12:20:08		63.1	63.1
63.3	12:20:09		63.3	63.3
62.4	12:20:10		62.4	62.4
61.1	12:20:11		61.1	61.1
60.1	12:20:12		60.1	60.1
58.9	12:20:13		58.9	58.9
58.5	12:20:14		58.5	58.5
59.0	12:20:15		59.0	59.0
59.7	12:20:16		59.7	59.7
59.4	12:20:17		59.4	59.4
58.3	12:20:18		58.3	58.3
58.2	12:20:19		58.2	58.2
59.1	12:20:20		59.1	59.1
59.8	12:20:21		59.8	59.8
60.0	12:20:22		60.0	60.0
60.8	12:20:23		60.8	60.8
61.2	12:20:24		61.2	61.2
63.0	12:20:25		63.0	63.0
64.2	12:20:26		64.2	64.2
63.8	12:20:27		63.8	63.8
62.3	12:20:28		62.3	62.3
61.4	12:20:29		61.4	61.4
60.5	12:20:30		60.5	60.5
59.2	12:20:31		59.2	59.2
58.4	12:20:32		58.4	58.4
57.8	12:20:33		57.8	57.8
58.5	12:20:34		58.5	58.5
59.0	12:20:35		59.0	59.0
58.3	12:20:36		58.3	58.3
58.0	12:20:37		58.0	58.0
59.2	12:20:38		59.2	59.2
61.9	12:20:39		61.9	61.9
62.7	12:20:40		62.7	62.7
62.4	12:20:41		62.4	62.4
62.0	12:20:42		62.0	62.0
61.6	12:20:43		61.6	61.6
62.3	12:20:44		62.3	62.3
62.9	12:20:45		62.9	62.9
61.8	12:20:46		61.8	61.8
60.5	12:20:47		60.5	60.5
61.7	12:20:48		61.7	61.7
62.4	12:20:49		62.4	62.4
61.7	12:20:50		61.7	61.7
60.9	12:20:51		60.9	60.9
60.7	12:20:52		60.7	60.7
60.9	12:20:53		60.9	60.9
61.2	12:20:54		61.2	61.2
61.6	12:20:55		61.6	61.6
61.4	12:20:56		61.4	61.4
60.5	12:20:57		60.5	60.5
60.0	12:20:58		60.0	60.0
61.7	12:20:59		61.7	61.7
62.8	12:21:00		62.8	62.8
63.0	12:21:01		63.0	63.0
63.1	12:21:02		63.1	63.1
63.7	12:21:03		63.7	63.7
63.2	12:21:04		63.2	63.2
61.9	12:21:05		61.9	61.9
61.4	12:21:06		61.4	61.4
61.3	12:21:07		61.3	61.3
61.0	12:21:08		61.0	61.0
61.4	12:21:09		61.4	61.4
62.4	12:21:10		62.4	62.4
62.3	12:21:11		62.3	62.3
61.8	12:21:12		61.8	61.8
60.4	12:21:13		60.4	60.4
58.7	12:21:14		58.7	58.7
57.3	12:21:15		57.3	57.3
56.9	12:21:16		56.9	56.9
57.0	12:21:17		57.0	57.0
57.0	12:21:18		57.0	57.0
57.9	12:21:19		57.9	57.9
59.8	12:21:20		59.8	59.8
59.0	12:21:21		59.0	59.0
57.5	12:21:22		57.5	57.5
57.3	12:21:23		57.3	57.3
59.4	12:21:24		59.4	59.4
61.4	12:21:25		61.4	61.4
61.4	12:21:26		61.4	61.4
60.9	12:21:27		60.9	60.9
61.1	12:21:28		61.1	61.1
62.7	12:21:29		62.7	62.7
64.2	12:21:30		64.2	64.2
62.8	12:21:31		62.8	62.8
60.9	12:21:32		60.9	60.9
59.3	12:21:33		59.3	59.3
58.7	12:21:34		58.7	58.7
59.2	12:21:35		59.2	59.2
60.8	12:21:36		60.8	60.8
60.6	12:21:37		60.6	60.6
59.4	12:21:38		59.4	59.4
58.5	12:21:39		58.5	58.5
58.5	12:21:40		58.5	58.5
60.3	12:21:41		60.3	60.3
61.8	12:21:42		61.8	61.8
61.6	12:21:43		61.6	61.6
60.7	12:21:44		60.7	60.7
60.1	12:21:45		60.1	60.1
58.7	12:21:46		58.7	58.7
57.0	12:21:47		57.0	57.0
56.4	12:21:48		56.4	56.4
57.1	12:21:49		57.1	57.1
58.8	12:21:50		58.8	58.8
60.7	12:21:51		60.7	60.7
62.0	12:21:52		62.0	62.0
62.7	12:21:53		62.7	62.7
62.1	12:21:54		62.1	62.1
60.9	12:21:55		60.9	60.9
59.9	12:21:56		59.9	59.9
59.5	12:21:57		59.5	59.5
59.3	12:21:58		59.3	59.3
58.5	12:21:59		58.5	58.5
58.6	12:22:00		58.6	58.6
59.3	12:22:01		59.3	59.3
60.5	12:22:02		60.5	60.5
61.3	12:22:03		61.3	61.3
61.4	12:22:04		61.4	61.4
61.6	12:22:05		61.6	61.6
60.8	12:22:06		60.8	60.8
59.0	12:22:07		59.0	59.0
57.4	12:22:08		57.4	57.4
57.2	12:22:09		57.2	57.2
57.9	12:22:10		57.9	57.9
58.7	12:22:11		58.7	58.7
59.8	12:22:12		59.8	59.8
59.6	12:22:13		59.6	59.6
60.3	12:22:14		60.3	60.3
60.9	12:22:15		60.9	60.9
61.7	12:22:16		61.7	61.7
61.6	12:22:17		61.6	61.6
61.4	12:22:18		61.4	61.4

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.1	12:27:05		58.1	58.1
55.9	12:27:06		55.9	55.9
55.2	12:27:07		55.2	55.2
53.8	12:27:08		53.8	53.8
55.0	12:27:09		55.0	55.0
56.8	12:27:10		56.8	56.8
59.1	12:27:11		59.1	59.1
59.6	12:27:12		59.6	59.6
60.1	12:27:13		60.1	60.1
60.6	12:27:14		60.6	60.6
60.3	12:27:15		60.3	60.3
60.8	12:27:16		60.8	60.8
60.8	12:27:17		60.8	60.8
59.1	12:27:18		59.1	59.1
58.1	12:27:19		58.1	58.1
58.5	12:27:20		58.5	58.5
57.8	12:27:21		57.8	57.8
57.1	12:27:22		57.1	57.1
57.2	12:27:23		57.2	57.2
57.9	12:27:24		57.9	57.9
58.9	12:27:25		58.9	58.9
59.0	12:27:26		59.0	59.0
59.0	12:27:27		59.0	59.0
57.9	12:27:28		57.9	57.9
57.4	12:27:29		57.4	57.4
58.8	12:27:30		58.8	58.8
61.0	12:27:31		61.0	61.0
62.2	12:27:32		62.2	62.2
63.5	12:27:33		63.5	63.5
63.7	12:27:34		63.7	63.7
64.7	12:27:35		64.7	64.7
65.2	12:27:36		65.2	65.2
64.5	12:27:37		64.5	64.5
63.8	12:27:38		63.8	63.8
62.1	12:27:39		62.1	62.1
60.9	12:27:40		60.9	60.9
60.7	12:27:41		60.7	60.7
60.2	12:27:42		60.2	60.2
59.0	12:27:43		59.0	59.0
58.2	12:27:44		58.2	58.2
58.7	12:27:45		58.7	58.7
58.1	12:27:46		58.1	58.1
58.5	12:27:47		58.5	58.5
58.8	12:27:48		58.8	58.8
59.7	12:27:49		59.7	59.7
60.3	12:27:50		60.3	60.3
59.2	12:27:51		59.2	59.2
58.1	12:27:52		58.1	58.1
57.2	12:27:53		57.2	57.2
55.4	12:27:54		55.4	55.4
54.1	12:27:55		54.1	54.1
54.3	12:27:56		54.3	54.3
53.5	12:27:57		53.5	53.5
53.5	12:27:58		53.5	53.5
54.4	12:27:59		54.4	54.4
57.6	12:28:00		57.6	57.6
58.4	12:28:01		58.4	58.4
60.6	12:28:02		60.6	60.6
63.5	12:28:03		63.5	63.5
63.8	12:28:04		63.8	63.8
62.2	12:28:05		62.2	62.2
60.1	12:28:06		60.1	60.1
60.4	12:28:07		60.4	60.4
63.4	12:28:08		63.4	63.4
65.6	12:28:09		65.6	65.6
66.2	12:28:10		66.2	66.2
64.3	12:28:11		64.3	64.3
62.4	12:28:12		62.4	62.4
62.0	12:28:13		62.0	62.0
62.7	12:28:14		62.7	62.7
63.2	12:28:15		63.2	63.2
61.4	12:28:16		61.4	61.4
60.4	12:28:17		60.4	60.4
59.3	12:28:18		59.3	59.3
56.6	12:28:19		56.6	56.6
54.5	12:28:20		54.5	54.5
53.8	12:28:21		53.8	53.8
56.2	12:28:22		56.2	56.2
60.4	12:28:23		60.4	60.4
61.1	12:28:24		61.1	61.1
59.3	12:28:25		59.3	59.3
59.3	12:28:26		59.3	59.3
60.8	12:28:27		60.8	60.8
61.3	12:28:28		61.3	61.3
62.4	12:28:29		62.4	62.4
61.5	12:28:30		61.5	61.5
59.8	12:28:31		59.8	59.8
57.8	12:28:32		57.8	57.8
56.3	12:28:33		56.3	56.3
56.4	12:28:34		56.4	56.4
56.7	12:28:35		56.7	56.7
56.6	12:28:36		56.6	56.6
57.0	12:28:37		57.0	57.0
56.5	12:28:38		56.5	56.5
55.9	12:28:39		55.9	55.9
56.3	12:28:40		56.3	56.3
57.9	12:28:41		57.9	57.9
60.4	12:28:42		60.4	60.4
60.4	12:28:43		60.4	60.4
60.6	12:28:44		60.6	60.6
61.5	12:28:45		61.5	61.5
61.7	12:28:46		61.7	61.7
61.3	12:28:47		61.3	61.3
61.5	12:28:48		61.5	61.5
61.4	12:28:49		61.4	61.4
60.4	12:28:50		60.4	60.4
59.4	12:28:51		59.4	59.4
59.8	12:28:52		59.8	59.8
59.0	12:28:53		59.0	59.0
58.6	12:28:54		58.6	58.6
60.9	12:28:55		60.9	60.9
62.1	12:28:56		62.1	62.1
61.3	12:28:57		61.3	61.3
61.1	12:28:58		61.1	61.1
61.5	12:28:59		61.5	61.5
61.3	12:29:00		61.3	61.3
61.5	12:29:01		61.5	61.5
61.2	12:29:02		61.2	61.2
60.9	12:29:03		60.9	60.9
61.0	12:29:04		61.0	61.0
60.4	12:29:05		60.4	60.4
60.4	12:29:06		60.4	60.4
61.5	12:29:07		61.5	61.5
61.9	12:29:08		61.9	61.9
62.2	12:29:09		62.2	62.2
63.7	12:29:10		63.7	63.7
65.2	12:29:11		65.2	65.2
65.5	12:29:12		65.5	65.5
64.8	12:29:13		64.8	64.8
63.3	12:29:14		63.3	63.3
61.8	12:29:15		61.8	61.8
60.7	12:29:16		60.7	60.7
59.5	12:29:17		59.5	59.5
59.2	12:29:18		59.2	59.2
59.3	12:29:19		59.3	59.3
58.6	12:29:20		58.6	58.6
59.3	12:29:21		59.3	59.3
61.4	12:29:22		61.4	61.4
61.0	12:29:23		61.0	61.0
59.2	12:29:24		59.2	59.2
57.6	12:29:25		57.6	57.6
56.2	12:29:26		56.2	56.2
55.6	12:29:27		55.6	55.6
55.8	12:29:28		55.8	55.8
55.6	12:29:29		55.6	55.6
56.1	12:29:30		56.1	56.1
59.5	12:29:31		59.5	59.5
62.0	12:29:32		62.0	62.0
62.1	12:29:33		62.1	62.1
62.0	12:29:34		62.0	62.0
62.0	12:29:35		62.0	62.0
61.6	12:29:36		61.6	61.6
59.7	12:29:37		59.7	59.7
59.0	12:29:38		59.0	59.0
60.8	12:29:39		60.8	60.8
61.9	12:29:40		61.9	61.9
62.1	12:29:41		62.1	62.1
62.3	12:29:42		62.3	62.3
62.6	12:29:43		62.6	62.6
62.1	12:29:44		62.1	62.1
61.1	12:29:45		61.1	61.1
60.3	12:29:46		60.3	60.3
58.9	12:29:47		58.9	58.9
56.9	12:29:48		56.9	56.9
56.1	12:29:49		56.1	56.1
56.8	12:29:50		56.8	56.8
57.4	12:29:51		57.4	57.4
57.1	12:29:52		57.1	57.1
55.4	12:29:53		55.4	55.4
56.0	12:29:54		56.0	56.0
56.6	12:29:55		56.6	56.6
57.2	12:29:56		57.2	57.2
56.6	12:29:57		56.6	56.6
58.7	12:29:58		58.7	58.7
62.9	12:29:59		62.9	62.9
63.3	12:30:00		63.3	63.3
61.8	12:30:01		61.8	61.8
61.0	12:30:02		61.0	61.0
62.7	12:30:03		62.7	62.7
62.5	12:30:04		62.5	62.5
60.6	12:30:05		60.6	60.6
59.3	12:30:06		59.3	59.3
61.0	12:30:07		61.0	61.0
62.4	12:30:08		62.4	62.4
61.2	12:30:09		61.2	61.2
61.1	12:30:10		61.1	61.1
61.7	12:30:11		61.7	61.7
62.1	12:30:12		62.1	62.1
61.0	12:30:13		61.0	61.0

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
56.1	12:38:50		56.1	56.1
56.7	12:38:51		56.7	56.7
57.4	12:38:52		57.4	57.4
56.6	12:38:53		56.6	56.6
55.2	12:38:54		55.2	55.2
54.0	12:38:55		54.0	54.0
53.3	12:38:56		53.3	53.3
53.6	12:38:57		53.6	53.6
54.5	12:38:58		54.5	54.5
54.6	12:38:59		54.6	54.6
55.0	12:39:00		55.0	55.0
55.3	12:39:01		55.3	55.3
55.4	12:39:02		55.4	55.4
55.9	12:39:03		55.9	55.9
56.3	12:39:04		56.3	56.3
56.6	12:39:05		56.6	56.6
55.6	12:39:06		55.6	55.6
55.0	12:39:07		55.0	55.0
54.2	12:39:08		54.2	54.2
53.4	12:39:09		53.4	53.4
52.6	12:39:10		52.6	52.6
52.8	12:39:11		52.8	52.8
53.5	12:39:12		53.5	53.5
53.9	12:39:13		53.9	53.9
54.2	12:39:14		54.2	54.2
55.7	12:39:15		55.7	55.7
55.1	12:39:16		55.1	55.1
53.8	12:39:17		53.8	53.8
53.0	12:39:18		53.0	53.0
53.2	12:39:19		53.2	53.2
53.6	12:39:20		53.6	53.6
53.8	12:39:21		53.8	53.8
54.5	12:39:22		54.5	54.5
54.0	12:39:23		54.0	54.0
53.7	12:39:24		53.7	53.7
53.6	12:39:25		53.6	53.6
52.9	12:39:26		52.9	52.9
52.8	12:39:27		52.8	52.8
52.8	12:39:28		52.8	52.8
52.9	12:39:29		52.9	52.9
52.5	12:39:30		52.5	52.5
52.5	12:39:31		52.5	52.5
52.9	12:39:32		52.9	52.9
52.3	12:39:33		52.3	52.3
52.7	12:39:34		52.7	52.7
54.5	12:39:35		54.5	54.5
54.8	12:39:36		54.8	54.8
54.1	12:39:37		54.1	54.1
54.3	12:39:38		54.3	54.3
54.8	12:39:39		54.8	54.8
55.0	12:39:40		55.0	55.0
54.9	12:39:41		54.9	54.9
55.3	12:39:42		55.3	55.3
55.1	12:39:43		55.1	55.1
55.7	12:39:44		55.7	55.7
56.4	12:39:45		56.4	56.4
56.8	12:39:46		56.8	56.8
58.5	12:39:47		58.5	58.5
59.1	12:39:48		59.1	59.1
59.6	12:39:49		59.6	59.6
58.7	12:39:50		58.7	58.7
58.4	12:39:51		58.4	58.4
59.1	12:39:52		59.1	59.1
59.6	12:39:53		59.6	59.6
58.8	12:39:54		58.8	58.8
57.5	12:39:55		57.5	57.5
56.3	12:39:56		56.3	56.3
56.6	12:39:57		56.6	56.6
55.5	12:39:58		55.5	55.5
54.1	12:39:59		54.1	54.1
54.1	12:40:00		54.1	54.1
54.8	12:40:01		54.8	54.8
54.5	12:40:02		54.5	54.5
54.2	12:40:03		54.2	54.2
54.4	12:40:04		54.4	54.4
55.0	12:40:05		55.0	55.0
55.7	12:40:06		55.7	55.7
55.4	12:40:07		55.4	55.4
55.0	12:40:08		55.0	55.0
54.9	12:40:09		54.9	54.9
55.7	12:40:10		55.7	55.7
57.0	12:40:11		57.0	57.0
56.7	12:40:12		56.7	56.7
56.2	12:40:13		56.2	56.2
56.2	12:40:14		56.2	56.2
57.0	12:40:15		57.0	57.0
58.0	12:40:16		58.0	58.0
57.7	12:40:17		57.7	57.7
58.6	12:40:18		58.6	58.6
60.7	12:40:19		60.7	60.7
62.4	12:40:20		62.4	62.4
60.7	12:40:21		60.7	60.7
60.4	12:40:22		60.4	60.4
59.4	12:40:23		59.4	59.4
58.3	12:40:24		58.3	58.3
57.9	12:40:25		57.9	57.9
57.3	12:40:26		57.3	57.3
56.2	12:40:27		56.2	56.2
55.2	12:40:28		55.2	55.2
54.0	12:40:29		54.0	54.0
53.6	12:40:30		53.6	53.6
53.6	12:40:31		53.6	53.6
53.1	12:40:32		53.1	53.1
52.3	12:40:33		52.3	52.3
51.6	12:40:34		51.6	51.6
51.9	12:40:35		51.9	51.9
53.0	12:40:36		53.0	53.0
54.3	12:40:37		54.3	54.3
54.9	12:40:38		54.9	54.9
54.2	12:40:39		54.2	54.2
55.4	12:40:40		55.4	55.4
56.0	12:40:41		56.0	56.0
56.3	12:40:42		56.3	56.3
58.0	12:40:43		58.0	58.0
57.6	12:40:44		57.6	57.6
56.9	12:40:45		56.9	56.9
57.7	12:40:46		57.7	57.7
57.0	12:40:47		57.0	57.0
56.4	12:40:48		56.4	56.4
56.2	12:40:49		56.2	56.2
56.7	12:40:50		56.7	56.7
57.7	12:40:51		57.7	57.7
57.4	12:40:52		57.4	57.4
56.7	12:40:53		56.7	56.7
56.0	12:40:54		56.0	56.0
55.6	12:40:55		55.6	55.6
56.4	12:40:56		56.4	56.4
56.3	12:40:57		56.3	56.3
55.4	12:40:58		55.4	55.4
55.5	12:40:59		55.5	55.5
56.9	12:41:00		56.9	56.9
56.5	12:41:01		56.5	56.5
56.3	12:41:02		56.3	56.3
56.8	12:41:03		56.8	56.8
56.4	12:41:04		56.4	56.4
56.8	12:41:05		56.8	56.8
62.5	12:41:06		62.5	62.5
62.3	12:41:07		62.3	62.3
59.4	12:41:08		59.4	59.4
57.6	12:41:09		57.6	57.6
57.0	12:41:10		57.0	57.0
57.3	12:41:11		57.3	57.3
57.7	12:41:12		57.7	57.7
57.9	12:41:13		57.9	57.9
57.6	12:41:14		57.6	57.6
58.2	12:41:15		58.2	58.2
58.7	12:41:16		58.7	58.7
57.7	12:41:17		57.7	57.7
57.1	12:41:18		57.1	57.1
56.3	12:41:19		56.3	56.3
56.0	12:41:20		56.0	56.0
55.6	12:41:21		55.6	55.6
58.0	12:41:22		58.0	58.0
56.5	12:41:23		56.5	56.5
55.6	12:41:24		55.6	55.6
54.3	12:41:25		54.3	54.3
53.7	12:41:26		53.7	53.7
58.2	12:41:27		58.2	58.2
59.6	12:41:28		59.6	59.6
57.5	12:41:29		57.5	57.5
56.1	12:41:30		56.1	56.1
54.5	12:41:31		54.5	54.5
53.4	12:41:32		53.4	53.4
54.1	12:41:33		54.1	54.1
54.6	12:41:34		54.6	54.6
54.7	12:41:35		54.7	54.7
54.8	12:41:36		54.8	54.8
54.9	12:41:37		54.9	54.9
54.2	12:41:38		54.2	54.2
53.8	12:41:39		53.8	53.8
53.7	12:41:40		53.7	53.7
53.4	12:41:41		53.4	53.4
52.5	12:41:42		52.5	52.5
51.8	12:41:43		51.8	51.8
51.5	12:41:44		51.5	51.5
51.4	12:41:45		51.4	51.4
50.7	12:41:46		50.7	50.7
50.9	12:41:47		50.9	50.9
50.9	12:41:48		50.9	50.9
51.8	12:41:49		51.8	51.8
52.3	12:41:50		52.3	52.3
52.8	12:41:51		52.8	52.8
53.0	12:41:52		53.0	53.0
52.8	12:41:53		52.8	52.8
52.7	12:41:54		52.7	52.7
53.0	12:41:55		53.0	53.0
53.3	12:41:56		53.3	53.3
53.7	12:41:57		53.7	53.7
53.0	12:41:58		53.0	53.0

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.6	12:22:19		61.6	61.6
61.9	12:22:20		61.9	61.9
61.9	12:22:21		61.9	61.9
61.4	12:22:22		61.4	61.4
62.9	12:22:23		62.9	62.9
63.6	12:22:24		63.6	63.6
62.2	12:22:25		62.2	62.2
61.1	12:22:26		61.1	61.1
61.2	12:22:27		61.2	61.2
61.6	12:22:28		61.6	61.6
62.2	12:22:29		62.2	62.2
63.1	12:22:30		63.1	63.1
63.8	12:22:31		63.8	63.8
65.9	12:22:32		65.9	65.9
68.0	12:22:33		68.0	68.0
68.7	12:22:34		68.7	68.7
68.0	12:22:35		68.0	68.0
66.4	12:22:36		66.4	66.4
64.7	12:22:37		64.7	64.7
63.1	12:22:38		63.1	63.1
62.6	12:22:39		62.6	62.6
62.2	12:22:40		62.2	62.2
61.9	12:22:41		61.9	61.9
62.1	12:22:42		62.1	62.1
62.9	12:22:43		62.9	62.9
64.0	12:22:44		64.0	64.0
63.9	12:22:45		63.9	63.9
62.9	12:22:46		62.9	62.9
62.5	12:22:47		62.5	62.5
64.3	12:22:48		64.3	64.3
66.1	12:22:49		66.1	66.1
66.9	12:22:50		66.9	66.9
66.3	12:22:51		66.3	66.3
65.2	12:22:52		65.2	65.2
64.9	12:22:53		64.9	64.9
64.9	12:22:54		64.9	64.9
64.8	12:22:55		64.8	64.8
64.3	12:22:56		64.3	64.3
63.3	12:22:57		63.3	63.3
63.6	12:22:58		63.6	63.6
64.1	12:22:59		64.1	64.1
64.3	12:23:00		64.3	64.3
63.1	12:23:01		63.1	63.1
61.2	12:23:02		61.2	61.2
59.9	12:23:03		59.9	59.9
59.8	12:23:04		59.8	59.8
60.3	12:23:05		60.3	60.3
58.6	12:23:06		58.6	58.6
57.2	12:23:07		57.2	57.2
57.3	12:23:08		57.3	57.3
58.2	12:23:09		58.2	58.2
59.5	12:23:10		59.5	59.5
60.7	12:23:11		60.7	60.7
61.5	12:23:12		61.5	61.5
61.2	12:23:13		61.2	61.2
61.1	12:23:14		61.1	61.1
61.0	12:23:15		61.0	61.0
60.5	12:23:16		60.5	60.5
61.2	12:23:17		61.2	61.2
63.1	12:23:18		63.1	63.1
64.4	12:23:19		64.4	64.4
64.5	12:23:20		64.5	64.5
63.1	12:23:21		63.1	63.1
62.4	12:23:22		62.4	62.4
62.3	12:23:23		62.3	62.3
63.4	12:23:24		63.4	63.4
63.6	12:23:25		63.6	63.6
63.2	12:23:26		63.2	63.2
62.5	12:23:27		62.5	62.5
61.7	12:23:28		61.7	61.7
60.5	12:23:29		60.5	60.5
59.4	12:23:30		59.4	59.4
58.1	12:23:31		58.1	58.1
57.8	12:23:32		57.8	57.8
59.1	12:23:33		59.1	59.1
58.6	12:23:34		58.6	58.6
57.5	12:23:35		57.5	57.5
57.3	12:23:36		57.3	57.3
57.8	12:23:37		57.8	57.8
58.9	12:23:38		58.9	58.9
60.0	12:23:39		60.0	60.0
60.7	12:23:40		60.7	60.7
60.8	12:23:41		60.8	60.8
61.1	12:23:42		61.1	61.1
61.0	12:23:43		61.0	61.0
60.3	12:23:44		60.3	60.3
60.2	12:23:45		60.2	60.2
61.0	12:23:46		61.0	61.0
61.7	12:23:47		61.7	61.7
62.1	12:23:48		62.1	62.1
62.6	12:23:49		62.6	62.6
62.2	12:23:50		62.2	62.2
60.7	12:23:51		60.7	60.7
60.9	12:23:52		60.9	60.9
62.1	12:23:53		62.1	62.1
64.2	12:23:54		64.2	64.2
66.2	12:23:55		66.2	66.2
66.4	12:23:56		66.4	66.4
65.3	12:23:57		65.3	65.3
64.6	12:23:58		64.6	64.6
65.1	12:23:59		65.1	65.1
65.0	12:24:00		65.0	65.0
63.4	12:24:01		63.4	63.4
61.5	12:24:02		61.5	61.5
61.1	12:24:03		61.1	61.1
64.2	12:24:04		64.2	64.2
66.7	12:24:05		66.7	66.7
66.2	12:24:06		66.2	66.2
64.4	12:24:07		64.4	64.4
63.6	12:24:08		63.6	63.6
63.4	12:24:09		63.4	63.4
62.5	12:24:10		62.5	62.5
61.5	12:24:11		61.5	61.5
60.8	12:24:12		60.8	60.8
60.2	12:24:13		60.2	60.2
60.6	12:24:14		60.6	60.6
62.0	12:24:15		62.0	62.0
62.7	12:24:16		62.7	62.7
62.6	12:24:17		62.6	62.6
62.9	12:24:18		62.9	62.9
62.0	12:24:19		62.0	62.0
60.1	12:24:20		60.1	60.1
59.3	12:24:21		59.3	59.3
58.8	12:24:22		58.8	58.8
58.4	12:24:23		58.4	58.4
59.6	12:24:24		59.6	59.6
61.6	12:24:25		61.6	61.6
62.5	12:24:26		62.5	62.5
63.6	12:24:27		63.6	63.6
64.0	12:24:28		64.0	64.0
65.7	12:24:29		65.7	65.7
67.5	12:24:30		67.5	67.5
68.5	12:24:31		68.5	68.5
68.3	12:24:32		68.3	68.3
68.8	12:24:33		68.8	68.8
68.9	12:24:34		68.9	68.9
68.5	12:24:35		68.5	68.5
66.9	12:24:36		66.9	66.9
65.6	12:24:37		65.6	65.6
64.9	12:24:38		64.9	64.9
64.4	12:24:39		64.4	64.4
63.7	12:24:40		63.7	63.7
63.2	12:24:41		63.2	63.2
64.4	12:24:42		64.4	64.4
64.5	12:24:43		64.5	64.5
63.2	12:24:44		63.2	63.2
62.3	12:24:45		62.3	62.3
62.6	12:24:46		62.6	62.6
62.4	12:24:47		62.4	62.4
61.8	12:24:48		61.8	61.8
61.3	12:24:49		61.3	61.3
60.9	12:24:50		60.9	60.9
61.4	12:24:51		61.4	61.4
62.1	12:24:52		62.1	62.1
63.2	12:24:53		63.2	63.2
64.4	12:24:54		64.4	64.4
64.7	12:24:55		64.7	64.7
63.9	12:24:56		63.9	63.9
63.2	12:24:57		63.2	63.2
63.0	12:24:58		63.0	63.0
62.7	12:24:59		62.7	62.7
62.1	12:25:00		62.1	62.1
62.0	12:25:01		62.0	62.0
62.3	12:25:02		62.3	62.3
63.1	12:25:03		63.1	63.1
63.8	12:25:04		63.8	63.8
64.3	12:25:05		64.3	64.3
64.9	12:25:06		64.9	64.9
65.7	12:25:07		65.7	65.7
65.3	12:25:08		65.3	65.3
64.3	12:25:09		64.3	64.3
62.8	12:25:10		62.8	62.8
61.5	12:25:11		61.5	61.5
61.4	12:25:12		61.4	61.4
62.9	12:25:13		62.9	62.9
63.9	12:25:14		63.9	63.9
63.8	12:25:15		63.8	63.8
63.4	12:25:16		63.4	63.4
63.5	12:25:17		63.5	63.5
63.2	12:25:18		63.2	63.2
62.6	12:25:19		62.6	62.6
62.5	12:25:20		62.5	62.5
62.6	12:25:21		62.6	62.6
62.3	12:25:22		62.3	62.3
61.7	12:25:23		61.7	61.7
62.1	12:25:24		62.1	62.1
62.6	12:25:25		62.6	62.6
63.3	12:25:26		63.3	63.3
64.0	12:25:27		64.0	64.0
63.5	12:25:28		63.5	63.5
62.5	12:25:29		62.5	62.5
62.1	12:25:30		62.1	62.1
62.0	12:25:31		62.0	62.0
61.1	12:25:32		61.1	61.1
60.1	12:25:33		60.1	60.1
59.8	12:25:34		59.8	59.8
60.2	12:25:35		60.2	60.2
62.4	12:25:36		62.4	62.4
63.6	12:25:37		63.6	63.6
64.0	12:25:38		64.0	64.0
65.2	12:25:39		65.2	65.2
68.1	12:25:40		68.1	68.1
69.0	12:25:41		69.0	69.0
68.1	12:25:42		68.1	68.1
66.7	12:25:43		66.7	66.7
65.0	12:25:44		65.0	65.0

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
60.5	12:30:14		60.5	60.5
59.6	12:30:15		59.6	59.6
59.2	12:30:16		59.2	59.2
57.7	12:30:17		57.7	57.7
58.2	12:30:18		58.2	58.2
59.2	12:30:19		59.2	59.2
58.9	12:30:20		58.9	58.9
59.0	12:30:21		59.0	59.0
59.1	12:30:22		59.1	59.1
58.4	12:30:23		58.4	58.4
56.6	12:30:24		56.6	56.6
57.7	12:30:25		57.7	57.7
60.8	12:30:26		60.8	60.8
61.4	12:30:27		61.4	61.4
60.3	12:30:28		60.3	60.3
59.1	12:30:29		59.1	59.1
57.0	12:30:30		57.0	57.0
56.0	12:30:31		56.0	56.0
55.3	12:30:32		55.3	55.3
55.5	12:30:33		55.5	55.5
55.1	12:30:34		55.1	55.1
57.9	12:30:35		57.9	57.9
60.3	12:30:36		60.3	60.3
60.5	12:30:37		60.5	60.5
62.9	12:30:38		62.9	62.9
63.3	12:30:39		63.3	63.3
62.0	12:30:40		62.0	62.0
60.9	12:30:41		60.9	60.9
60.5	12:30:42		60.5	60.5
59.5	12:30:43		59.5	59.5
59.3	12:30:44		59.3	59.3
60.0	12:30:45		60.0	60.0
60.1	12:30:46		60.1	60.1
61.4	12:30:47		61.4	61.4
64.3	12:30:48		64.3	64.3
63.7	12:30:49		63.7	63.7
61.6	12:30:50		61.6	61.6
61.3	12:30:51		61.3	61.3
62.4	12:30:52		62.4	62.4
63.7	12:30:53		63.7	63.7
61.9	12:30:54		61.9	61.9
59.3	12:30:55		59.3	59.3
56.8	12:30:56		56.8	56.8
56.0	12:30:57		56.0	56.0
58.4	12:30:58		58.4	58.4
58.7	12:30:59		58.7	58.7
57.6	12:31:00		57.6	57.6
56.6	12:31:01		56.6	56.6
56.3	12:31:02		56.3	56.3
57.6	12:31:03		57.6	57.6
57.7	12:31:04		57.7	57.7
57.6	12:31:05		57.6	57.6
58.8	12:31:06		58.8	58.8
58.6	12:31:07		58.6	58.6
57.2	12:31:08		57.2	57.2
58.7	12:31:09		58.7	58.7
60.4	12:31:10		60.4	60.4
60.5	12:31:11		60.5	60.5
60.2	12:31:12		60.2	60.2
60.5	12:31:13		60.5	60.5
62.5	12:31:14		62.5	62.5
64.1	12:31:15		64.1	64.1
63.3	12:31:16		63.3	63.3
61.7	12:31:17		61.7	61.7
60.7	12:31:18		60.7	60.7
60.5	12:31:19		60.5	60.5
61.7	12:31:20		61.7	61.7
61.7	12:31:21		61.7	61.7
61.4	12:31:22		61.4	61.4
62.4	12:31:23		62.4	62.4
62.7	12:31:24		62.7	62.7
62.4	12:31:25		62.4	62.4
62.3	12:31:26		62.3	62.3
64.1	12:31:27		64.1	64.1
63.7	12:31:28		63.7	63.7
61.6	12:31:29		61.6	61.6
60.8	12:31:30		60.8	60.8
59.6	12:31:31		59.6	59.6
59.4	12:31:32		59.4	59.4
60.3	12:31:33		60.3	60.3
58.1	12:31:34		58.1	58.1
55.3	12:31:35		55.3	55.3
54.5	12:31:36		54.5	54.5
55.2	12:31:37		55.2	55.2
57.4	12:31:38		57.4	57.4
58.7	12:31:39		58.7	58.7
59.6	12:31:40		59.6	59.6
60.3	12:31:41		60.3	60.3
59.8	12:31:42		59.8	59.8
58.7	12:31:43		58.7	58.7
57.3	12:31:44		57.3	57.3
58.2	12:31:45		58.2	58.2
58.8	12:31:46		58.8	58.8
57.8	12:31:47		57.8	57.8
57.7	12:31:48		57.7	57.7
57.0	12:31:49		57.0	57.0
56.8	12:31:50		56.8	56.8
59.1	12:31:51		59.1	59.1
60.2	12:31:52		60.2	60.2
59.5	12:31:53		59.5	59.5
60.5	12:31:54		60.5	60.5
63.9	12:31:55		63.9	63.9
64.7	12:31:56		64.7	64.7
62.9	12:31:57		62.9	62.9
61.3	12:31:58		61.3	61.3
59.0	12:31:59		59.0	59.0
56.2	12:32:00		56.2	56.2
55.1	12:32:01		55.1	55.1
54.0	12:32:02		54.0	54.0
52.9	12:32:03		52.9	52.9
53.3	12:32:04		53.3	53.3
55.2	12:32:05		55.2	55.2
55.9	12:32:06		55.9	55.9
57.2	12:32:07		57.2	57.2
57.4	12:32:08		57.4	57.4
57.1	12:32:09		57.1	57.1
57.4	12:32:10		57.4	57.4
58.6	12:32:11		58.6	58.6
57.9	12:32:12		57.9	57.9
56.9	12:32:13		56.9	56.9
55.4	12:32:14		55.4	55.4
55.6	12:32:15		55.6	55.6
56.8	12:32:16		56.8	56.8
55.7	12:32:17		55.7	55.7
54.7	12:32:18		54.7	54.7
53.8	12:32:19		53.8	53.8
53.8	12:32:20		53.8	53.8
56.5	12:32:21		56.5	56.5
58.4	12:32:22		58.4	58.4
58.7	12:32:23		58.7	58.7
59.0	12:32:24		59.0	59.0
58.1	12:32:25		58.1	58.1
56.8	12:32:26		56.8	56.8
57.2	12:32:27		57.2	57.2
57.8	12:32:28		57.8	57.8
57.6	12:32:29		57.6	57.6
59.0	12:32:30		59.0	59.0
63.9	12:32:31		63.9	63.9
63.7	12:32:32		63.7	63.7
62.2	12:32:33		62.2	62.2
60.5	12:32:34		60.5	60.5
59.8	12:32:35		59.8	59.8
59.8	12:32:36		59.8	59.8
58.8	12:32:37		58.8	58.8
57.8	12:32:38		57.8	57.8
58.8	12:32:39		58.8	58.8
59.2	12:32:40		59.2	59.2
61.3	12:32:41		61.3	61.3
61.7	12:32:42		61.7	61.7
60.9	12:32:43		60.9	60.9
61.4	12:32:44		61.4	61.4
62.6	12:32:45		62.6	62.6
62.0	12:32:46		62.0	62.0
61.0	12:32:47		61.0	61.0
60.1	12:32:48		60.1	60.1
58.4	12:32:49		58.4	58.4
57.7	12:32:50		57.7	57.7
59.1	12:32:51		59.1	59.1
58.4	12:32:52		58.4	58.4
58.0	12:32:53		58.0	58.0
57.0	12:32:54		57.0	57.0
55.6	12:32:55		55.6	55.6
56.2	12:32:56		56.2	56.2
55.8	12:32:57		55.8	55.8
56.1	12:32:58		56.1	56.1
56.4	12:32:59		56.4	56.4
57.2	12:33:00		57.2	57.2
58.0	12:33:01		58.0	58.0
57.9	12:33:02		57.9	57.9
58.3	12:33:03		58.3	58.3
58.1	12:33:04		58.1	58.1
57.5	12:33:05		57.5	57.5
60.1	12:33:06		60.1	60.1
60.4	12:33:07		60.4	60.4
57.9	12:33:08		57.9	57.9
55.8	12:33:09		55.8	55.8
54.2	12:33:10		54.2	54.2
53.3	12:33:11		53.3	53.3
54.0	12:33:12		54.0	54.0
54.1	12:33:13		54.1	54.1
53.1	12:33:14		53.1	53.1
53.4	12:33:15		53.4	53.4
56.0	12:33:16		56.0	56.0
54.4	12:33:17		54.4	54.4
53.1	12:33:18		53.1	53.1
53.0	12:33:19		53.0	53.0
55.9	12:33:20		55.9	55.9
57.8	12:33:21		57.8	57.8
57.8	12:33:22		57.8	57.8
58.5	12:33:23		58.5	58.5
61.0	12:33:24		61.0	61.0
60.2	12:33:25		60.2	60.2
58.8	12:33:26		58.8	58.8
57.3	12:33:27		57.3	57.3
57.3	12:33:28		57.3	57.3
56.9	12:33:29		56.9	56.9
55.5	12:33:30		55.5	55.5
55.1	12:33:31		55.1	55.1
56.5	12:33:32		56.5	56.5
56.6	12:33:33		56.6	56.6
57.4	12:33:34		57.4	57.4
57.8	12:33:35		57.8	57.8
59.1	12:33:36		59.1	59.1
60.2	12:33:37		60.2	60.2
61.1	12:33:38		61.1	61.1
62.9	12:33:39		62.9	62.9

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
52.0	12:41:59		52.0	52.0
51.9	12:42:00		51.9	51.9
52.1	12:42:01		52.1	52.1
53.6	12:42:02		53.6	53.6
54.3	12:42:03		54.3	54.3
54.6	12:42:04		54.6	54.6
54.4	12:42:05		54.4	54.4
54.1	12:42:06		54.1	54.1
55.1	12:42:07		55.1	55.1
56.4	12:42:08		56.4	56.4
57.0	12:42:09		57.0	57.0
57.7	12:42:10		57.7	57.7
57.8	12:42:11		57.8	57.8
58.6	12:42:12		58.6	58.6
58.9	12:42:13		58.9	58.9
59.2	12:42:14		59.2	59.2
59.1	12:42:15		59.1	59.1
59.2	12:42:16		59.2	59.2
59.3	12:42:17		59.3	59.3
59.6	12:42:18		59.6	59.6
59.6	12:42:19		59.6	59.6
59.4	12:42:20		59.4	59.4
59.4	12:42:21		59.4	59.4
59.0	12:42:22		59.0	59.0
59.1	12:42:23		59.1	59.1
59.8	12:42:24		59.8	59.8
60.2	12:42:25		60.2	60.2
61.1	12:42:26		61.1	61.1
61.1	12:42:27		61.1	61.1
61.1	12:42:28		61.1	61.1
60.9	12:42:29		60.9	60.9
60.4	12:42:30		60.4	60.4
59.8	12:42:31		59.8	59.8
59.4	12:42:32		59.4	59.4
58.9	12:42:33		58.9	58.9
58.2	12:42:34		58.2	58.2
57.4	12:42:35		57.4	57.4
57.1	12:42:36		57.1	57.1
56.8	12:42:37		56.8	56.8
56.1	12:42:38		56.1	56.1
55.8	12:42:39		55.8	55.8
56.2	12:42:40		56.2	56.2
56.3	12:42:41		56.3	56.3
56.4	12:42:42		56.4	56.4
57.0	12:42:43		57.0	57.0
56.9	12:42:44		56.9	56.9
56.9	12:42:45		56.9	56.9
59.1	12:42:46		59.1	59.1
58.9	12:42:47		58.9	58.9
57.8	12:42:48		57.8	57.8
57.4	12:42:49		57.4	57.4
56.0	12:42:50		56.0	56.0
55.4	12:42:51		55.4	55.4
55.8	12:42:52		55.8	55.8
55.9	12:42:53		55.9	55.9
55.6	12:42:54		55.6	55.6
55.2	12:42:55		55.2	55.2
55.0	12:42:56		55.0	55.0
55.7	12:42:57		55.7	55.7
57.2	12:42:58		57.2	57.2
56.7	12:42:59		56.7	56.7
61.6	12:43:00		61.6	61.6
64.0	12:43:01		64.0	64.0
60.8	12:43:02		60.8	60.8
58.3	12:43:03		58.3	58.3
56.8	12:43:04		56.8	56.8
57.0	12:43:05		57.0	57.0
56.9	12:43:06		56.9	56.9
56.7	12:43:07		56.7	56.7
56.1	12:43:08		56.1	56.1
56.2	12:43:09		56.2	56.2
56.2	12:43:10		56.2	56.2
56.3	12:43:11		56.3	56.3
56.2	12:43:12		56.2	56.2
57.6	12:43:13		57.6	57.6
57.8	12:43:14		57.8	57.8
57.3	12:43:15		57.3	57.3
57.4	12:43:16		57.4	57.4
58.9	12:43:17		58.9	58.9
59.4	12:43:18		59.4	59.4
59.2	12:43:19		59.2	59.2
59.3	12:43:20		59.3	59.3
59.9	12:43:21		59.9	59.9
60.4	12:43:22		60.4	60.4
60.0	12:43:23		60.0	60.0
59.2	12:43:24		59.2	59.2
59.0	12:43:25		59.0	59.0
58.9	12:43:26		58.9	58.9
57.8	12:43:27		57.8	57.8
57.1	12:43:28		57.1	57.1
56.8	12:43:29		56.8	56.8
56.0	12:43:30		56.0	56.0
55.0	12:43:31		55.0	55.0
54.4	12:43:32		54.4	54.4
54.0	12:43:33		54.0	54.0
53.6	12:43:34		53.6	53.6
52.6	12:43:35		52.6	52.6
52.6	12:43:36		52.6	52.6
53.2	12:43:37		53.2	53.2
53.9	12:43:38		53.9	53.9
55.2	12:43:39		55.2	55.2
54.6	12:43:40		54.6	54.6
55.0	12:43:41		55.0	55.0
55.6	12:43:42		55.6	55.6
55.8	12:43:43		55.8	55.8
55.8	12:43:44		55.8	55.8
55.5	12:43:45		55.5	55.5
55.9	12:43:46		55.9	55.9
55.9	12:43:47		55.9	55.9
55.7	12:43:48		55.7	55.7
55.6	12:43:49		55.6	55.6
56.5	12:43:50		56.5	56.5
56.9	12:43:51		56.9	56.9
56.5	12:43:52		56.5	56.5
56.1	12:43:53		56.1	56.1
56.4	12:43:54		56.4	56.4
55.7	12:43:55		55.7	55.7
55.9	12:43:56		55.9	55.9
56.3	12:43:57		56.3	56.3
56.8	12:43:58		56.8	56.8
56.4	12:43:59		56.4	56.4
56.8	12:44:00		56.8	56.8
57.1	12:44:01		57.1	57.1
57.0	12:44:02		57.0	57.0
57.2	12:44:03		57.2	57.2
57.1	12:44:04		57.1	57.1
57.3	12:44:05		57.3	57.3
56.8	12:44:06		56.8	56.8
56.5	12:44:07		56.5	56.5
56.0	12:44:08		56.0	56.0
56.2	12:44:09		56.2	56.2
56.7	12:44:10		56.7	56.7
56.6	12:44:11		56.6	56.6
56.9	12:44:12		56.9	56.9
57.3	12:44:13		57.3	57.3
57.7	12:44:14		57.7	57.7
58.1	12:44:15		58.1	58.1
58.5	12:44:16		58.5	58.5
57.6	12:44:17		57.6	57.6
57.2	12:44:18		57.2	57.2
57.9	12:44:19		57.9	57.9
58.4	12:44:20		58.4	58.4
58.4	12:44:21		58.4	58.4
57.7	12:44:22		57.7	57.7
56.4	12:44:23		56.4	56.4
55.5	12:44:24		55.5	55.5
55.2	12:44:25		55.2	55.2
55.2	12:44:26		55.2	55.2
55.1	12:44:27		55.1	55.1
55.5	12:44:28		55.5	55.5
56.1	12:44:29		56.1	56.1
56.4	12:44:30		56.4	56.4
56.9	12:44:31		56.9	56.9
57.4	12:44:32		57.4	57.4
56.9	12:44:33		56.9	56.9
57.3	12:44:34		57.3	57.3
56.8	12:44:35		56.8	56.8
56.8	12:44:36		56.8	56.8
56.6	12:44:37		56.6	56.6
57.4	12:44:38		57.4	57.4
57.0	12:44:39		57.0	57.0
56.5	12:44:40		56.5	56.5
55.8	12:44:41		55.8	55.8
55.8	12:44:42		55.8	55.8
55.1	12:44:43		55.1	55.1
54.4	12:44:44		54.4	54.4
54.9	12:44:45		54.9	54.9
55.3	12:44:46		55.3	55.3
54.3	12:44:47		54.3	54.3
54.9	12:44:48		54.9	54.9
55.3	12:44:49		55.3	55.3
55.0	12:44:50		55.0	55.0
54.6	12:44:51		54.6	54.6
56.9	12:44:52		56.9	56.9
57.5	12:44:53		57.5	57.5
57.9	12:44:54		57.9	57.9
57.8	12:44:55		57.8	57.8
58.7	12:44:56		58.7	58.7
57.5	12:44:57		57.5	57.5
57.0	12:44:58		57.0	57.0
56.9	12:44:59		56.9	56.9
56.3	12:45:00		56.3	56.3
55.8	12:45:01		55.8	55.8
55.2	12:45:02		55.2	55.2
54.9	12:45:03		54.9	54.9
55.8	12:45:04		55.8	55.8
55.8	12:45:05		55.8	55.8
54.9	12:45:06		54.9	54.9
54.5	12:45:07		54.5	54.5
55.1	12:45:08		55.1	55.1
57.5	12:45:09		57.5	57.5
55.9	12:45:10		55.9	55.9
54.8	12:45:11		54.8	54.8
54.3	12:45:12		54.3	54.3
54.2	12:45:13		54.2	54.2
54.1	12:45:14		54.1	54.1
54.1	12:45:15		54.1	54.1
55.1	12:45:16		55.1	55.1
55.6	12:45:17		55.6	55.6
54.9	12:45:18		54.9	54.9
54.7	12:45:19		54.7	54.7
55.2	12:45:20		55.2	55.2
56.2	12:45:21		56.2	56.2
56.0	12:45:22		56.0	56.0
57.8	12:45:23		57.8	57.8
61.1	12:45:24		61.1	61.1

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
63.4	12:25:45		63.4	63.4
62.0	12:25:46		62.0	62.0
60.3	12:25:47		60.3	60.3
58.7	12:25:48		58.7	58.7
59.2	12:25:49		59.2	59.2
61.4	12:25:50		61.4	61.4
65.4	12:25:51		65.4	65.4
67.3	12:25:52		67.3	67.3
66.5	12:25:53		66.5	66.5
64.6	12:25:54		64.6	64.6
63.3	12:25:55		63.3	63.3
62.3	12:25:56		62.3	62.3
60.9	12:25:57		60.9	60.9
60.2	12:25:58		60.2	60.2
61.4	12:25:59		61.4	61.4
61.4	12:26:00		61.4	61.4
60.6	12:26:01		60.6	60.6
60.7	12:26:02		60.7	60.7
61.1	12:26:03		61.1	61.1
61.2	12:26:04		61.2	61.2
62.4	12:26:05		62.4	62.4
63.9	12:26:06		63.9	63.9
65.5	12:26:07		65.5	65.5
66.4	12:26:08		66.4	66.4
66.0	12:26:09		66.0	66.0
64.9	12:26:10		64.9	64.9
63.7	12:26:11		63.7	63.7
63.3	12:26:12		63.3	63.3
62.8	12:26:13		62.8	62.8
61.9	12:26:14		61.9	61.9
63.1	12:26:15		63.1	63.1
65.1	12:26:16		65.1	65.1
66.3	12:26:17		66.3	66.3
66.0	12:26:18		66.0	66.0
64.8	12:26:19		64.8	64.8
63.4	12:26:20		63.4	63.4
62.5	12:26:21		62.5	62.5
62.1	12:26:22		62.1	62.1
62.2	12:26:23		62.2	62.2
61.7	12:26:24		61.7	61.7
60.7	12:26:25		60.7	60.7
60.4	12:26:26		60.4	60.4
62.0	12:26:27		62.0	62.0
62.9	12:26:28		62.9	62.9
62.6	12:26:29		62.6	62.6
62.2	12:26:30		62.2	62.2
61.5	12:26:31		61.5	61.5
60.8	12:26:32		60.8	60.8
60.2	12:26:33		60.2	60.2
60.1	12:26:34		60.1	60.1
60.3	12:26:35		60.3	60.3
59.9	12:26:36		59.9	59.9
59.7	12:26:37		59.7	59.7
60.0	12:26:38		60.0	60.0
60.8	12:26:39		60.8	60.8
63.1	12:26:40		63.1	63.1
67.2	12:26:41		67.2	67.2
71.2	12:26:42		71.2	71.2
72.7	12:26:43		72.7	72.7
71.5	12:26:44		71.5	71.5
68.9	12:26:45		68.9	68.9
66.0	12:26:46		66.0	66.0
63.5	12:26:47		63.5	63.5
62.7	12:26:48		62.7	62.7
62.9	12:26:49		62.9	62.9
62.9	12:26:50		62.9	62.9
62.4	12:26:51		62.4	62.4
61.7	12:26:52		61.7	61.7
61.9	12:26:53		61.9	61.9
61.7	12:26:54		61.7	61.7
61.6	12:26:55		61.6	61.6
61.7	12:26:56		61.7	61.7
62.3	12:26:57		62.3	62.3
63.0	12:26:58		63.0	63.0
63.0	12:26:59		63.0	63.0
62.8	12:27:00		62.8	62.8
62.9	12:27:01		62.9	62.9
63.7	12:27:02		63.7	63.7
65.3	12:27:03		65.3	65.3
65.5	12:27:04		65.5	65.5
64.7	12:27:05		64.7	64.7
63.6	12:27:06		63.6	63.6
63.4	12:27:07		63.4	63.4
63.6	12:27:08		63.6	63.6
66.1	12:27:09		66.1	66.1
69.2	12:27:10		69.2	69.2
69.8	12:27:11		69.8	69.8
69.1	12:27:12		69.1	69.1
67.9	12:27:13		67.9	67.9
66.6	12:27:14		66.6	66.6
66.0	12:27:15		66.0	66.0
65.6	12:27:16		65.6	65.6
64.5	12:27:17		64.5	64.5
63.7	12:27:18		63.7	63.7
63.5	12:27:19		63.5	63.5
64.1	12:27:20		64.1	64.1
65.2	12:27:21		65.2	65.2
65.6	12:27:22		65.6	65.6
65.1	12:27:23		65.1	65.1
64.2	12:27:24		64.2	64.2
63.3	12:27:25		63.3	63.3
62.6	12:27:26		62.6	62.6
61.9	12:27:27		61.9	61.9
61.0	12:27:28		61.0	61.0
60.8	12:27:29		60.8	60.8
60.8	12:27:30		60.8	60.8
60.8	12:27:31		60.8	60.8
60.7	12:27:32		60.7	60.7
60.4	12:27:33		60.4	60.4
60.3	12:27:34		60.3	60.3
60.0	12:27:35		60.0	60.0
59.5	12:27:36		59.5	59.5
59.8	12:27:37		59.8	59.8
60.5	12:27:38		60.5	60.5
61.6	12:27:39		61.6	61.6
63.2	12:27:40		63.2	63.2
63.2	12:27:41		63.2	63.2
62.7	12:27:42		62.7	62.7
62.0	12:27:43		62.0	62.0
61.1	12:27:44		61.1	61.1
61.0	12:27:45		61.0	61.0
60.9	12:27:46		60.9	60.9
60.7	12:27:47		60.7	60.7
59.8	12:27:48		59.8	59.8
58.1	12:27:49		58.1	58.1
57.0	12:27:50		57.0	57.0
56.9	12:27:51		56.9	56.9
58.0	12:27:52		58.0	58.0
61.4	12:27:53		61.4	61.4
64.2	12:27:54		64.2	64.2
65.9	12:27:55		65.9	65.9
66.0	12:27:56		66.0	66.0
64.6	12:27:57		64.6	64.6
62.9	12:27:58		62.9	62.9
61.7	12:27:59		61.7	61.7
61.5	12:28:00		61.5	61.5
61.9	12:28:01		61.9	61.9
63.0	12:28:02		63.0	63.0
63.9	12:28:03		63.9	63.9
64.1	12:28:04		64.1	64.1
64.3	12:28:05		64.3	64.3
63.4	12:28:06		63.4	63.4
62.3	12:28:07		62.3	62.3
61.0	12:28:08		61.0	61.0
59.7	12:28:09		59.7	59.7
59.2	12:28:10		59.2	59.2
59.6	12:28:11		59.6	59.6
60.8	12:28:12		60.8	60.8
61.4	12:28:13		61.4	61.4
61.5	12:28:14		61.5	61.5
61.6	12:28:15		61.6	61.6
61.6	12:28:16		61.6	61.6
62.0	12:28:17		62.0	62.0
62.0	12:28:18		62.0	62.0
61.7	12:28:19		61.7	61.7
61.5	12:28:20		61.5	61.5
60.8	12:28:21		60.8	60.8
61.0	12:28:22		61.0	61.0
61.0	12:28:23		61.0	61.0
60.2	12:28:24		60.2	60.2
59.5	12:28:25		59.5	59.5
59.2	12:28:26		59.2	59.2
59.0	12:28:27		59.0	59.0
58.2	12:28:28		58.2	58.2
57.7	12:28:29		57.7	57.7
57.9	12:28:30		57.9	57.9
58.2	12:28:31		58.2	58.2
59.7	12:28:32		59.7	59.7
61.7	12:28:33		61.7	61.7
63.1	12:28:34		63.1	63.1
63.4	12:28:35		63.4	63.4
63.8	12:28:36		63.8	63.8
64.2	12:28:37		64.2	64.2
63.9	12:28:38		63.9	63.9

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
62.6	12:33:40		62.6	62.6
60.9	12:33:41		60.9	60.9
60.0	12:33:42		60.0	60.0
59.5	12:33:43		59.5	59.5
58.9	12:33:44		58.9	58.9
58.6	12:33:45		58.6	58.6
58.0	12:33:46		58.0	58.0
58.8	12:33:47		58.8	58.8
59.9	12:33:48		59.9	59.9
61.4	12:33:49		61.4	61.4
64.1	12:33:50		64.1	64.1
63.7	12:33:51		63.7	63.7
61.3	12:33:52		61.3	61.3
59.2	12:33:53		59.2	59.2
58.9	12:33:54		58.9	58.9
59.5	12:33:55		59.5	59.5
59.2	12:33:56		59.2	59.2
59.1	12:33:57		59.1	59.1
59.7	12:33:58		59.7	59.7
61.7	12:33:59		61.7	61.7
60.0	12:34:00		60.0	60.0
57.4	12:34:01		57.4	57.4
56.4	12:34:02		56.4	56.4
59.3	12:34:03		59.3	59.3
59.3	12:34:04		59.3	59.3
57.5	12:34:05		57.5	57.5
56.1	12:34:06		56.1	56.1
56.7	12:34:07		56.7	56.7
57.8	12:34:08		57.8	57.8
59.6	12:34:09		59.6	59.6
60.0	12:34:10		60.0	60.0
68.6	12:34:11		68.6	68.6
69.9	12:34:12		69.9	69.9
64.6	12:34:13		64.6	64.6
62.5	12:34:14		62.5	62.5
60.7	12:34:15		60.7	60.7
59.8	12:34:16		59.8	59.8
61.7	12:34:17		61.7	61.7
61.5	12:34:18		61.5	61.5
59.7	12:34:19		59.7	59.7
58.0	12:34:20		58.0	58.0
57.6	12:34:21		57.6	57.6
57.5	12:34:22		57.5	57.5
56.5	12:34:23		56.5	56.5
56.1	12:34:24		56.1	56.1
56.3	12:34:25		56.3	56.3
58.8	12:34:26		58.8	58.8
57.9	12:34:27		57.9	57.9
57.3	12:34:28		57.3	57.3
57.8	12:34:29		57.8	57.8
58.2	12:34:30		58.2	58.2
60.1	12:34:31		60.1	60.1
60.5	12:34:32		60.5	60.5
60.0	12:34:33		60.0	60.0
60.4	12:34:34		60.4	60.4
59.8	12:34:35		59.8	59.8
60.0	12:34:36		60.0	60.0
59.9	12:34:37		59.9	59.9
58.3	12:34:38		58.3	58.3
56.3	12:34:39		56.3	56.3
56.5	12:34:40		56.5	56.5
56.1	12:34:41		56.1	56.1
57.9	12:34:42		57.9	57.9
59.1	12:34:43		59.1	59.1
59.9	12:34:44		59.9	59.9
58.5	12:34:45		58.5	58.5
57.8	12:34:46		57.8	57.8
56.3	12:34:47		56.3	56.3
56.7	12:34:48		56.7	56.7
60.6	12:34:49		60.6	60.6
59.7	12:34:50		59.7	59.7
59.0	12:34:51		59.0	59.0
58.3	12:34:52		58.3	58.3
57.6	12:34:53		57.6	57.6
57.5	12:34:54		57.5	57.5
59.1	12:34:55		59.1	59.1
60.0	12:34:56		60.0	60.0
58.2	12:34:57		58.2	58.2
57.5	12:34:58		57.5	57.5
57.5	12:34:59		57.5	57.5
56.5	12:35:00		56.5	56.5
56.3	12:35:01		56.3	56.3
58.8	12:35:02		58.8	58.8
60.4	12:35:03		60.4	60.4
59.4	12:35:04		59.4	59.4
57.4	12:35:05		57.4	57.4
58.7	12:35:06		58.7	58.7
61.4	12:35:07		61.4	61.4
62.2	12:35:08		62.2	62.2
63.8	12:35:09		63.8	63.8
68.3	12:35:10		68.3	68.3
67.4	12:35:11		67.4	67.4
65.0	12:35:12		65.0	65.0
62.4	12:35:13		62.4	62.4
61.1	12:35:14		61.1	61.1
60.3	12:35:15		60.3	60.3
60.7	12:35:16		60.7	60.7
61.1	12:35:17		61.1	61.1
61.3	12:35:18		61.3	61.3
61.1	12:35:19		61.1	61.1
60.3	12:35:20		60.3	60.3
59.3	12:35:21		59.3	59.3
58.2	12:35:22		58.2	58.2
58.1	12:35:23		58.1	58.1
58.1	12:35:24		58.1	58.1
58.6	12:35:25		58.6	58.6
59.2	12:35:26		59.2	59.2
57.9	12:35:27		57.9	57.9
55.9	12:35:28		55.9	55.9
55.1	12:35:29		55.1	55.1
56.2	12:35:30		56.2	56.2
56.6	12:35:31		56.6	56.6
58.7	12:35:32		58.7	58.7
59.3	12:35:33		59.3	59.3
59.8	12:35:34		59.8	59.8
62.3	12:35:35		62.3	62.3
63.0	12:35:36		63.0	63.0
62.1	12:35:37		62.1	62.1
61.6	12:35:38		61.6	61.6
62.0	12:35:39		62.0	62.0
64.1	12:35:40		64.1	64.1
63.6	12:35:41		63.6	63.6
63.0	12:35:42		63.0	63.0
64.1	12:35:43		64.1	64.1
63.7	12:35:44		63.7	63.7
62.5	12:35:45		62.5	62.5
61.9	12:35:46		61.9	61.9
61.9	12:35:47		61.9	61.9
63.8	12:35:48		63.8	63.8
64.1	12:35:49		64.1	64.1
62.1	12:35:50		62.1	62.1
60.2	12:35:51		60.2	60.2
58.3	12:35:52		58.3	58.3
56.3	12:35:53		56.3	56.3
55.0	12:35:54		55.0	55.0
55.1	12:35:55		55.1	55.1
55.0	12:35:56		55.0	55.0
55.3	12:35:57		55.3	55.3
58.0	12:35:58		58.0	58.0
59.4	12:35:59		59.4	59.4
58.4	12:36:00		58.4	58.4
56.5	12:36:01		56.5	56.5
55.3	12:36:02		55.3	55.3
55.2	12:36:03		55.2	55.2
56.1	12:36:04		56.1	56.1
57.6	12:36:05		57.6	57.6
58.6	12:36:06		58.6	58.6
58.8	12:36:07		58.8	58.8
59.9	12:36:08		59.9	59.9
60.2	12:36:09		60.2	60.2
60.5	12:36:10		60.5	60.5
60.6	12:36:11		60.6	60.6
60.2	12:36:12		60.2	60.2
59.0	12:36:13		59.0	59.0
59.6	12:36:14		59.6	59.6
61.7	12:36:15		61.7	61.7
62.7	12:36:16		62.7	62.7
62.0	12:36:17		62.0	62.0
61.1	12:36:18		61.1	61.1
59.8	12:36:19		59.8	59.8
58.5	12:36:20		58.5	58.5
57.2	12:36:21		57.2	57.2
56.6	12:36:22		56.6	56.6
57.1	12:36:23		57.1	57.1
57.4	12:36:24		57.4	57.4
57.8	12:36:25		57.8	57.8
59.6	12:36:26		59.6	59.6
59.6	12:36:27		59.6	59.6
59.3	12:36:28		59.3	59.3
59.3	12:36:29		59.3	59.3
60.0	12:36:30		60.0	60.0
62.1	12:36:31		62.1	62.1
62.2	12:36:32		62.2	62.2
60.8	12:36:33		60.8	60.8

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.9	12:45:25		58.9	58.9
57.3	12:45:26		57.3	57.3
56.7	12:45:27		56.7	56.7
56.1	12:45:28		56.1	56.1
55.7	12:45:29		55.7	55.7
55.5	12:45:30		55.5	55.5
56.9	12:45:31		56.9	56.9
56.5	12:45:32		56.5	56.5
56.6	12:45:33		56.6	56.6
56.7	12:45:34		56.7	56.7
55.8	12:45:35		55.8	55.8
55.3	12:45:36		55.3	55.3
55.9	12:45:37		55.9	55.9
56.6	12:45:38		56.6	56.6
57.0	12:45:39		57.0	57.0
60.1	12:45:40		60.1	60.1
59.2	12:45:41		59.2	59.2
56.1	12:45:42		56.1	56.1
56.9	12:45:43		56.9	56.9
55.9	12:45:44		55.9	55.9
55.8	12:45:45		55.8	55.8
54.5	12:45:46		54.5	54.5
54.1	12:45:47		54.1	54.1
54.6	12:45:48		54.6	54.6
55.2	12:45:49		55.2	55.2
55.1	12:45:50		55.1	55.1
55.7	12:45:51		55.7	55.7
55.8	12:45:52		55.8	55.8
61.7	12:45:53		61.7	61.7
58.3	12:45:54		58.3	58.3
56.3	12:45:55		56.3	56.3
55.2	12:45:56		55.2	55.2
54.6	12:45:57		54.6	54.6
54.8	12:45:58		54.8	54.8
55.1	12:45:59		55.1	55.1
55.8	12:46:00		55.8	55.8
55.8	12:46:01		55.8	55.8
56.4	12:46:02		56.4	56.4
56.3	12:46:03		56.3	56.3
57.4	12:46:04		57.4	57.4
59.8	12:46:05		59.8	59.8
58.7	12:46:06		58.7	58.7
58.2	12:46:07		58.2	58.2
57.9	12:46:08		57.9	57.9
57.3	12:46:09		57.3	57.3
56.9	12:46:10		56.9	56.9
57.1	12:46:11		57.1	57.1
57.5	12:46:12		57.5	57.5
57.4	12:46:13		57.4	57.4
56.6	12:46:14		56.6	56.6
56.1	12:46:15		56.1	56.1
55.4	12:46:16		55.4	55.4
54.9	12:46:17		54.9	54.9
54.6	12:46:18		54.6	54.6
56.4	12:46:19		56.4	56.4
59.9	12:46:20		59.9	59.9
54.2	12:46:21		54.2	54.2
53.2	12:46:22		53.2	53.2
52.9	12:46:23		52.9	52.9
54.1	12:46:24		54.1	54.1
57.6	12:46:25		57.6	57.6
57.6	12:46:26		57.6	57.6
55.3	12:46:27		55.3	55.3
53.9	12:46:28		53.9	53.9
54.7	12:46:29		54.7	54.7
54.7	12:46:30		54.7	54.7
55.1	12:46:31		55.1	55.1
57.0	12:46:32		57.0	57.0
57.7	12:46:33		57.7	57.7
59.1	12:46:34		59.1	59.1
58.8	12:46:35		58.8	58.8
58.6	12:46:36		58.6	58.6
59.3	12:46:37		59.3	59.3
59.3	12:46:38		59.3	59.3
59.1	12:46:39		59.1	59.1
57.7	12:46:40		57.7	57.7
57.0	12:46:41		57.0	57.0
56.4	12:46:42		56.4	56.4
55.9	12:46:43		55.9	55.9
54.8	12:46:44		54.8	54.8
54.0	12:46:45		54.0	54.0
53.2	12:46:46		53.2	53.2
52.4	12:46:47		52.4	52.4
52.0	12:46:48		52.0	52.0
52.7	12:46:49		52.7	52.7
53.9	12:46:50		53.9	53.9
54.2	12:46:51		54.2	54.2
55.3	12:46:52		55.3	55.3
57.5	12:46:53		57.5	57.5
56.4	12:46:54		56.4	56.4
54.8	12:46:55		54.8	54.8
54.4	12:46:56		54.4	54.4
54.1	12:46:57		54.1	54.1
54.6	12:46:58		54.6	54.6
55.3	12:46:59		55.3	55.3
54.6	12:47:00		54.6	54.6
53.5	12:47:01		53.5	53.5
53.6	12:47:02		53.6	53.6
55.5	12:47:03		55.5	55.5
55.5	12:47:04		55.5	55.5
55.3	12:47:05		55.3	55.3
54.6	12:47:06		54.6	54.6
53.2	12:47:07		53.2	53.2
52.4	12:47:08		52.4	52.4
52.1	12:47:09		52.1	52.1
52.8	12:47:10		52.8	52.8
53.2	12:47:11		53.2	53.2
54.0	12:47:12		54.0	54.0
54.1	12:47:13		54.1	54.1
57.6	12:47:14		57.6	57.6
58.5	12:47:15		58.5	58.5
55.7	12:47:16		55.7	55.7
54.1	12:47:17		54.1	54.1
55.7	12:47:18		55.7	55.7
55.1	12:47:19		55.1	55.1
55.6	12:47:20		55.6	55.6
56.3	12:47:21		56.3	56.3
55.5	12:47:22		55.5	55.5
55.0	12:47:23		55.0	55.0
54.9	12:47:24		54.9	54.9
54.6	12:47:25		54.6	54.6
54.4	12:47:26		54.4	54.4
54.6	12:47:27		54.6	54.6
54.7	12:47:28		54.7	54.7
54.7	12:47:29		54.7	54.7
55.2	12:47:30		55.2	55.2
54.8	12:47:31		54.8	54.8
53.7	12:47:32		53.7	53.7
53.3	12:47:33		53.3	53.3
52.8	12:47:34		52.8	52.8
52.5	12:47:35		52.5	52.5
53.9	12:47:36		53.9	53.9
54.6	12:47:37		54.6	54.6
54.2	12:47:38		54.2	54.2
54.2	12:47:39		54.2	54.2
54.7	12:47:40		54.7	54.7
56.0	12:47:41		56.0	56.0
56.0	12:47:42		56.0	56.0
55.7	12:47:43		55.7	55.7
56.4	12:47:44		56.4	56.4
57.4	12:47:45		57.4	57.4
57.7	12:47:46		57.7	57.7
57.8	12:47:47		57.8	57.8
57.7	12:47:48		57.7	57.7
57.5	12:47:49		57.5	57.5
57.6	12:47:50		57.6	57.6
59.0	12:47:51		59.0	59.0
60.3	12:47:52		60.3	60.3
60.7	12:47:53		60.7	60.7
60.0	12:47:54		60.0	60.0
59.0	12:47:55		59.0	59.0
57.4	12:47:56		57.4	57.4
56.9	12:47:57		56.9	56.9
56.4	12:47:58		56.4	56.4
56.3	12:47:59		56.3	56.3
56.5	12:48:00		56.5	56.5
56.1	12:48:01		56.1	56.1
56.1	12:48:02		56.1	56.1
56.6	12:48:03		56.6	56.6
56.9	12:48:04		56.9	56.9
57.3	12:48:05		57.3	57.3
57.3	12:48:06		57.3	57.3
57.7	12:48:07		57.7	57.7
57.0	12:48:08		57.0	57.0
56.7	12:48:09		56.7	56.7
56.3	12:48:10		56.3	56.3
56.5	12:48:11		56.5	56.5
56.5	12:48:12		56.5	56.5
56.9	12:48:13		56.9	56.9
57.5	12:48:14		57.5	57.5
57.4	12:48:15		57.4	57.4
58.0	12:48:16		58.0	58.0
58.4	12:48:17		58.4	58.4
58.5	12:48:18		58.5	58.5

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
63.5	12:28:39		63.5	63.5
63.3	12:28:40		63.3	63.3
62.7	12:28:41		62.7	62.7
61.7	12:28:42		61.7	61.7
61.2	12:28:43		61.2	61.2
61.2	12:28:44		61.2	61.2
61.2	12:28:45		61.2	61.2
60.5	12:28:46		60.5	60.5
60.8	12:28:47		60.8	60.8
62.0	12:28:48		62.0	62.0
61.8	12:28:49		61.8	61.8
61.5	12:28:50		61.5	61.5
61.2	12:28:51		61.2	61.2
60.6	12:28:52		60.6	60.6
59.9	12:28:53		59.9	59.9
58.6	12:28:54		58.6	58.6
57.3	12:28:55		57.3	57.3
56.7	12:28:56		56.7	56.7
55.9	12:28:57		55.9	55.9
54.6	12:28:58		54.6	54.6
53.7	12:28:59		53.7	53.7
53.3	12:29:00		53.3	53.3
53.3	12:29:01		53.3	53.3
54.0	12:29:02		54.0	54.0
56.0	12:29:03		56.0	56.0
59.6	12:29:04		59.6	59.6
64.3	12:29:05		64.3	64.3
66.9	12:29:06		66.9	66.9
66.4	12:29:07		66.4	66.4
64.6	12:29:08		64.6	64.6
63.5	12:29:09		63.5	63.5
64.2	12:29:10		64.2	64.2
65.4	12:29:11		65.4	65.4
66.6	12:29:12		66.6	66.6
65.2	12:29:13		65.2	65.2
63.1	12:29:14		63.1	63.1
61.2	12:29:15		61.2	61.2
60.8	12:29:16		60.8	60.8
61.7	12:29:17		61.7	61.7
61.8	12:29:18		61.8	61.8
62.1	12:29:19		62.1	62.1
62.3	12:29:20		62.3	62.3
61.7	12:29:21		61.7	61.7
59.7	12:29:22		59.7	59.7
58.0	12:29:23		58.0	58.0
57.0	12:29:24		57.0	57.0
58.1	12:29:25		58.1	58.1
60.8	12:29:26		60.8	60.8
62.2	12:29:27		62.2	62.2
61.2	12:29:28		61.2	61.2
60.1	12:29:29		60.1	60.1
58.6	12:29:30		58.6	58.6
58.6	12:29:31		58.6	58.6
58.3	12:29:32		58.3	58.3
58.8	12:29:33		58.8	58.8
59.8	12:29:34		59.8	59.8
59.4	12:29:35		59.4	59.4
59.1	12:29:36		59.1	59.1
60.0	12:29:37		60.0	60.0
62.0	12:29:38		62.0	62.0
63.0	12:29:39		63.0	63.0
63.2	12:29:40		63.2	63.2
62.5	12:29:41		62.5	62.5
62.5	12:29:42		62.5	62.5
63.9	12:29:43		63.9	63.9
63.3	12:29:44		63.3	63.3
62.8	12:29:45		62.8	62.8
61.8	12:29:46		61.8	61.8
61.0	12:29:47		61.0	61.0
61.6	12:29:48		61.6	61.6
62.4	12:29:49		62.4	62.4
66.0	12:29:50		66.0	66.0
69.9	12:29:51		69.9	69.9
68.6	12:29:52		68.6	68.6
65.5	12:29:53		65.5	65.5
63.1	12:29:54		63.1	63.1
61.6	12:29:55		61.6	61.6
60.5	12:29:56		60.5	60.5
60.1	12:29:57		60.1	60.1
62.2	12:29:58		62.2	62.2
64.2	12:29:59		64.2	64.2
64.7	12:30:00		64.7	64.7
64.4	12:30:01		64.4	64.4
64.1	12:30:02		64.1	64.1
63.7	12:30:03		63.7	63.7
63.8	12:30:04		63.8	63.8
64.0	12:30:05		64.0	64.0
63.9	12:30:06		63.9	63.9
64.1	12:30:07		64.1	64.1
64.3	12:30:08		64.3	64.3
63.9	12:30:09		63.9	63.9
63.0	12:30:10		63.0	63.0
62.0	12:30:11		62.0	62.0
61.0	12:30:12		61.0	61.0
60.7	12:30:13		60.7	60.7
60.6	12:30:14		60.6	60.6
61.6	12:30:15		61.6	61.6
62.3	12:30:16		62.3	62.3
63.2	12:30:17		63.2	63.2
63.1	12:30:18		63.1	63.1
63.5	12:30:19		63.5	63.5
64.7	12:30:20		64.7	64.7
65.0	12:30:21		65.0	65.0
64.7	12:30:22		64.7	64.7
65.0	12:30:23		65.0	65.0
65.4	12:30:24		65.4	65.4
65.5	12:30:25		65.5	65.5
65.9	12:30:26		65.9	65.9
65.0	12:30:27		65.0	65.0
64.0	12:30:28		64.0	64.0
63.5	12:30:29		63.5	63.5
62.5	12:30:30		62.5	62.5
61.0	12:30:31		61.0	61.0
60.4	12:30:32		60.4	60.4
60.4	12:30:33		60.4	60.4
61.6	12:30:34		61.6	61.6
62.0	12:30:35		62.0	62.0
62.0	12:30:36		62.0	62.0
61.7	12:30:37		61.7	61.7
61.6	12:30:38		61.6	61.6
61.1	12:30:39		61.1	61.1
60.1	12:30:40		60.1	60.1
59.9	12:30:41		59.9	59.9
60.8	12:30:42		60.8	60.8
62.9	12:30:43		62.9	62.9
64.4	12:30:44		64.4	64.4
65.4	12:30:45		65.4	65.4
65.6	12:30:46		65.6	65.6
64.9	12:30:47		64.9	64.9
63.9	12:30:48		63.9	63.9
63.3	12:30:49		63.3	63.3
62.5	12:30:50		62.5	62.5
61.7	12:30:51		61.7	61.7
61.7	12:30:52		61.7	61.7
61.7	12:30:53		61.7	61.7
62.1	12:30:54		62.1	62.1
62.3	12:30:55		62.3	62.3
62.2	12:30:56		62.2	62.2
62.7	12:30:57		62.7	62.7
63.5	12:30:58		63.5	63.5
63.6	12:30:59		63.6	63.6
63.8	12:31:00		63.8	63.8
64.9	12:31:01		64.9	64.9
65.6	12:31:02		65.6	65.6
65.3	12:31:03		65.3	65.3
65.3	12:31:04		65.3	65.3
66.5	12:31:05		66.5	66.5
66.3	12:31:06		66.3	66.3
64.5	12:31:07		64.5	64.5
62.4	12:31:08		62.4	62.4
61.6	12:31:09		61.6	61.6
63.4	12:31:10		63.4	63.4
64.7	12:31:11		64.7	64.7
65.0	12:31:12		65.0	65.0
64.4	12:31:13		64.4	64.4
63.4	12:31:14		63.4	63.4
62.8	12:31:15		62.8	62.8
62.4	12:31:16		62.4	62.4
62.0	12:31:17		62.0	62.0
61.1	12:31:18		61.1	61.1
61.4	12:31:19		61.4	61.4
61.3	12:31:20		61.3	61.3

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
59.6	12:36:34		59.6	59.6
59.7	12:36:35		59.7	59.7
60.4	12:36:36		60.4	60.4
61.3	12:36:37		61.3	61.3
61.2	12:36:38		61.2	61.2
60.6	12:36:39		60.6	60.6
59.4	12:36:40		59.4	59.4
60.1	12:36:41		60.1	60.1
60.3	12:36:42		60.3	60.3
58.6	12:36:43		58.6	58.6
56.3	12:36:44		56.3	56.3
55.0	12:36:45		55.0	55.0
54.7	12:36:46		54.7	54.7
53.9	12:36:47		53.9	53.9
54.1	12:36:48		54.1	54.1
56.8	12:36:49		56.8	56.8
57.7	12:36:50		57.7	57.7
57.7	12:36:51		57.7	57.7
55.1	12:36:52		55.1	55.1
54.7	12:36:53		54.7	54.7
57.1	12:36:54		57.1	57.1
56.2	12:36:55		56.2	56.2
55.2	12:36:56		55.2	55.2
57.3	12:36:57		57.3	57.3
60.8	12:36:58		60.8	60.8
63.5	12:36:59		63.5	63.5
62.4	12:37:00		62.4	62.4
60.9	12:37:01		60.9	60.9
60.0	12:37:02		60.0	60.0
59.9	12:37:03		59.9	59.9
58.9	12:37:04		58.9	58.9
60.2	12:37:05		60.2	60.2
62.2	12:37:06		62.2	62.2
61.3	12:37:07		61.3	61.3
59.9	12:37:08		59.9	59.9
58.8	12:37:09		58.8	58.8
59.7	12:37:10		59.7	59.7
62.1	12:37:11		62.1	62.1
63.0	12:37:12		63.0	63.0
62.6	12:37:13		62.6	62.6
60.9	12:37:14		60.9	60.9
59.8	12:37:15		59.8	59.8
60.0	12:37:16		60.0	60.0
59.9	12:37:17		59.9	59.9
60.5	12:37:18		60.5	60.5
61.3	12:37:19		61.3	61.3
60.7	12:37:20		60.7	60.7
60.4	12:37:21		60.4	60.4
60.0	12:37:22		60.0	60.0
60.1	12:37:23		60.1	60.1
58.8	12:37:24		58.8	58.8
59.1	12:37:25		59.1	59.1
60.6	12:37:26		60.6	60.6
60.9	12:37:27		60.9	60.9
60.8	12:37:28		60.8	60.8
60.1	12:37:29		60.1	60.1
59.5	12:37:30		59.5	59.5
57.6	12:37:31		57.6	57.6
56.9	12:37:32		56.9	56.9
60.1	12:37:33		60.1	60.1
61.8	12:37:34		61.8	61.8
61.8	12:37:35		61.8	61.8
63.6	12:37:36		63.6	63.6
62.7	12:37:37		62.7	62.7
60.2	12:37:38		60.2	60.2
60.6	12:37:39		60.6	60.6
62.4	12:37:40		62.4	62.4
62.1	12:37:41		62.1	62.1
61.6	12:37:42		61.6	61.6
61.7	12:37:43		61.7	61.7
59.9	12:37:44		59.9	59.9
58.5	12:37:45		58.5	58.5
60.1	12:37:46		60.1	60.1
61.2	12:37:47		61.2	61.2
59.5	12:37:48		59.5	59.5
58.2	12:37:49		58.2	58.2
58.3	12:37:50		58.3	58.3
58.1	12:37:51		58.1	58.1
58.4	12:37:52		58.4	58.4
59.8	12:37:53		59.8	59.8
60.7	12:37:54		60.7	60.7
60.7	12:37:55		60.7	60.7
61.1	12:37:56		61.1	61.1
61.1	12:37:57		61.1	61.1
61.3	12:37:58		61.3	61.3
62.6	12:37:59		62.6	62.6
63.6	12:38:00		63.6	63.6
65.0	12:38:01		65.0	65.0
63.4	12:38:02		63.4	63.4
61.3	12:38:03		61.3	61.3
60.9	12:38:04		60.9	60.9
64.2	12:38:05		64.2	64.2
67.0	12:38:06		67.0	67.0
65.8	12:38:07		65.8	65.8
64.0	12:38:08		64.0	64.0
62.0	12:38:09		62.0	62.0
59.8	12:38:10		59.8	59.8
58.3	12:38:11		58.3	58.3
60.7	12:38:12		60.7	60.7
62.2	12:38:13		62.2	62.2
62.6	12:38:14		62.6	62.6
61.3	12:38:15		61.3	61.3
60.0	12:38:16		60.0	60.0
59.4	12:38:17		59.4	59.4
58.6	12:38:18		58.6	58.6
59.0	12:38:19		59.0	59.0
61.6	12:38:20		61.6	61.6
61.3	12:38:21		61.3	61.3
60.7	12:38:22		60.7	60.7
59.0	12:38:23		59.0	59.0
59.0	12:38:24		59.0	59.0
59.3	12:38:25		59.3	59.3
59.1	12:38:26		59.1	59.1
58.6	12:38:27		58.6	58.6
57.9	12:38:28		57.9	57.9
58.5	12:38:29		58.5	58.5
59.5	12:38:30		59.5	59.5
59.3	12:38:31		59.3	59.3
58.0	12:38:32		58.0	58.0
58.6	12:38:33		58.6	58.6
60.9	12:38:34		60.9	60.9
61.7	12:38:35		61.7	61.7
61.9	12:38:36		61.9	61.9
61.6	12:38:37		61.6	61.6
59.8	12:38:38		59.8	59.8
57.1	12:38:39		57.1	57.1
57.0	12:38:40		57.0	57.0
58.4	12:38:41		58.4	58.4
59.3	12:38:42		59.3	59.3
58.7	12:38:43		58.7	58.7
58.1	12:38:44		58.1	58.1
57.2	12:38:45		57.2	57.2
59.3	12:38:46		59.3	59.3
61.7	12:38:47		61.7	61.7
63.1	12:38:48		63.1	63.1
62.6	12:38:49		62.6	62.6
61.9	12:38:50		61.9	61.9
59.8	12:38:51		59.8	59.8
59.1	12:38:52		59.1	59.1
59.9	12:38:53		59.9	59.9
60.2	12:38:54		60.2	60.2
59.3	12:38:55		59.3	59.3
59.9	12:38:56		59.9	59.9
60.0	12:38:57		60.0	60.0
58.7	12:38:58		58.7	58.7
57.0	12:38:59		57.0	57.0
55.7	12:39:00		55.7	55.7
54.6	12:39:01		54.6	54.6
54.9	12:39:02		54.9	54.9
54.3	12:39:03		54.3	54.3
55.3	12:39:04		55.3	55.3
56.8	12:39:05		56.8	56.8
57.3	12:39:06		57.3	57.3
59.9	12:39:07		59.9	59.9
61.4	12:39:08		61.4	61.4
60.8	12:39:09		60.8	60.8
59.1	12:39:10		59.1	59.1
58.0	12:39:11		58.0	58.0
56.2	12:39:12		56.2	56.2
55.4	12:39:13		55.4	55.4
56.5	12:39:14		56.5	56.5
57.2	12:39:15		57.2	57.2

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.8	12:48:19		58.8	58.8
59.7	12:48:20		59.7	59.7
59.9	12:48:21		59.9	59.9
60.4	12:48:22		60.4	60.4
60.5	12:48:23		60.5	60.5
60.5	12:48:24		60.5	60.5
59.7	12:48:25		59.7	59.7
60.3	12:48:26		60.3	60.3
59.9	12:48:27		59.9	59.9
59.7	12:48:28		59.7	59.7
59.0	12:48:29		59.0	59.0
58.2	12:48:30		58.2	58.2
57.3	12:48:31		57.3	57.3
57.0	12:48:32		57.0	57.0
57.0	12:48:33		57.0	57.0
57.2	12:48:34		57.2	57.2
57.0	12:48:35		57.0	57.0
56.1	12:48:36		56.1	56.1
55.1	12:48:37		55.1	55.1
54.9	12:48:38		54.9	54.9
54.5	12:48:39		54.5	54.5
54.1	12:48:40		54.1	54.1
53.9	12:48:41		53.9	53.9
53.6	12:48:42		53.6	53.6
53.8	12:48:43		53.8	53.8
53.8	12:48:44		53.8	53.8
54.1	12:48:45		54.1	54.1
54.6	12:48:46		54.6	54.6
54.4	12:48:47		54.4	54.4
55.1	12:48:48		55.1	55.1
55.6	12:48:49		55.6	55.6
55.0	12:48:50		55.0	55.0
55.0	12:48:51		55.0	55.0
55.1	12:48:52		55.1	55.1
54.7	12:48:53		54.7	54.7
55.2	12:48:54		55.2	55.2
56.1	12:48:55		56.1	56.1
57.9	12:48:56		57.9	57.9
56.8	12:48:57		56.8	56.8
57.7	12:48:58		57.7	57.7
58.5	12:48:59		58.5	58.5
58.3	12:49:00		58.3	58.3
57.1	12:49:01		57.1	57.1
56.8	12:49:02		56.8	56.8
56.9	12:49:03		56.9	56.9
56.6	12:49:04		56.6	56.6
56.4	12:49:05		56.4	56.4
56.9	12:49:06		56.9	56.9
56.3	12:49:07		56.3	56.3
56.4	12:49:08		56.4	56.4
55.7	12:49:09		55.7	55.7
55.6	12:49:10		55.6	55.6
55.9	12:49:11		55.9	55.9
55.2	12:49:12		55.2	55.2
55.8	12:49:13		55.8	55.8
56.5	12:49:14		56.5	56.5
56.7	12:49:15		56.7	56.7
56.9	12:49:16		56.9	56.9
55.5	12:49:17		55.5	55.5
55.2	12:49:18		55.2	55.2
54.9	12:49:19		54.9	54.9
54.5	12:49:20		54.5	54.5
54.6	12:49:21		54.6	54.6
55.0	12:49:22		55.0	55.0
54.5	12:49:23		54.5	54.5
54.6	12:49:24		54.6	54.6
53.9	12:49:25		53.9	53.9
53.6	12:49:26		53.6	53.6
54.2	12:49:27		54.2	54.2
54.5	12:49:28		54.5	54.5
55.6	12:49:29		55.6	55.6
55.3	12:49:30		55.3	55.3
54.7	12:49:31		54.7	54.7
54.6	12:49:32		54.6	54.6
56.3	12:49:33		56.3	56.3
55.1	12:49:34		55.1	55.1
54.0	12:49:35		54.0	54.0
54.2	12:49:36		54.2	54.2
54.8	12:49:37		54.8	54.8
55.2	12:49:38		55.2	55.2
55.5	12:49:39		55.5	55.5
56.0	12:49:40		56.0	56.0
57.0	12:49:41		57.0	57.0
58.3	12:49:42		58.3	58.3
58.1	12:49:43		58.1	58.1
57.8	12:49:44		57.8	57.8
57.5	12:49:45		57.5	57.5
57.2	12:49:46		57.2	57.2
57.8	12:49:47		57.8	57.8
58.6	12:49:48		58.6	58.6
57.9	12:49:49		57.9	57.9
57.7	12:49:50		57.7	57.7
57.3	12:49:51		57.3	57.3
57.1	12:49:52		57.1	57.1
57.0	12:49:53		57.0	57.0
57.0	12:49:54		57.0	57.0
56.8	12:49:55		56.8	56.8
56.2	12:49:56		56.2	56.2
55.9	12:49:57		55.9	55.9
56.2	12:49:58		56.2	56.2
56.8	12:49:59		56.8	56.8
57.6	12:50:00		57.6	57.6
58.1	12:50:01		58.1	58.1
58.4	12:50:02		58.4	58.4
59.1	12:50:03		59.1	59.1
59.7	12:50:04		59.7	59.7
59.9	12:50:05		59.9	59.9
60.0	12:50:06		60.0	60.0
59.8	12:50:07		59.8	59.8
59.4	12:50:08		59.4	59.4
59.4	12:50:09		59.4	59.4
59.1	12:50:10		59.1	59.1
60.5	12:50:11		60.5	60.5
61.0	12:50:12		61.0	61.0
59.8	12:50:13		59.8	59.8
58.6	12:50:14		58.6	58.6
57.9	12:50:15		57.9	57.9
57.9	12:50:16		57.9	57.9
58.5	12:50:17		58.5	58.5
58.9	12:50:18		58.9	58.9
59.2	12:50:19		59.2	59.2
59.8	12:50:20		59.8	59.8
60.0	12:50:21		60.0	60.0
59.3	12:50:22		59.3	59.3
59.6	12:50:23		59.6	59.6
60.7	12:50:24		60.7	60.7
61.0	12:50:25		61.0	61.0
60.1	12:50:26		60.1	60.1
59.8	12:50:27		59.8	59.8
59.4	12:50:28		59.4	59.4
58.8	12:50:29		58.8	58.8
58.5	12:50:30		58.5	58.5
58.7	12:50:31		58.7	58.7
60.0	12:50:32		60.0	60.0
62.8	12:50:33		62.8	62.8
61.2	12:50:34		61.2	61.2
60.4	12:50:35		60.4	60.4
60.1	12:50:36		60.1	60.1
60.5	12:50:37		60.5	60.5
62.7	12:50:38		62.7	62.7
62.6	12:50:39		62.6	62.6
65.6	12:50:40		65.6	65.6
64.5	12:50:41		64.5	64.5
61.7	12:50:42		61.7	61.7
60.9	12:50:43		60.9	60.9
59.3	12:50:44		59.3	59.3
58.6	12:50:45		58.6	58.6
63.1	12:50:46		63.1	63.1
62.5	12:50:47		62.5	62.5
60.9	12:50:48		60.9	60.9
59.8	12:50:49		59.8	59.8
58.7	12:50:50		58.7	58.7
58.2	12:50:51		58.2	58.2
58.5	12:50:52		58.5	58.5
58.6	12:50:53		58.6	58.6
58.6	12:50:54		58.6	58.6
59.2	12:50:55		59.2	59.2
59.7	12:50:56		59.7	59.7
60.0	12:50:57		60.0	60.0
59.1	12:50:58		59.1	59.1
58.3	12:50:59		58.3	58.3
58.3	12:51:00		58.3	58.3

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
60.4	12:31:21		60.4	60.4
60.3	12:31:22		60.3	60.3
61.7	12:31:23		61.7	61.7
63.2	12:31:24		63.2	63.2
64.0	12:31:25		64.0	64.0
63.5	12:31:26		63.5	63.5
62.5	12:31:27		62.5	62.5
61.6	12:31:28		61.6	61.6
61.9	12:31:29		61.9	61.9
62.8	12:31:30		62.8	62.8
62.8	12:31:31		62.8	62.8
61.8	12:31:32		61.8	61.8
61.2	12:31:33		61.2	61.2
60.0	12:31:34		60.0	60.0
59.3	12:31:35		59.3	59.3
59.4	12:31:36		59.4	59.4
61.0	12:31:37		61.0	61.0
62.7	12:31:38		62.7	62.7
64.8	12:31:39		64.8	64.8
66.3	12:31:40		66.3	66.3
66.5	12:31:41		66.5	66.5
65.7	12:31:42		65.7	65.7
64.5	12:31:43		64.5	64.5
63.9	12:31:44		63.9	63.9
63.6	12:31:45		63.6	63.6
63.4	12:31:46		63.4	63.4
63.4	12:31:47		63.4	63.4
63.4	12:31:48		63.4	63.4
63.9	12:31:49		63.9	63.9
65.1	12:31:50		65.1	65.1
66.5	12:31:51		66.5	66.5
66.3	12:31:52		66.3	66.3
65.0	12:31:53		65.0	65.0
65.1	12:31:54		65.1	65.1
65.4	12:31:55		65.4	65.4
65.6	12:31:56		65.6	65.6
63.9	12:31:57		63.9	63.9
61.8	12:31:58		61.8	61.8
60.2	12:31:59		60.2	60.2
59.7	12:32:00		59.7	59.7
60.7	12:32:01		60.7	60.7
61.0	12:32:02		61.0	61.0
60.5	12:32:03		60.5	60.5
59.9	12:32:04		59.9	59.9
59.9	12:32:05		59.9	59.9
60.3	12:32:06		60.3	60.3
59.5	12:32:07		59.5	59.5
59.3	12:32:08		59.3	59.3
59.6	12:32:09		59.6	59.6
59.5	12:32:10		59.5	59.5
59.8	12:32:11		59.8	59.8
60.8	12:32:12		60.8	60.8
61.5	12:32:13		61.5	61.5
61.2	12:32:14		61.2	61.2
62.0	12:32:15		62.0	62.0
64.5	12:32:16		64.5	64.5
66.7	12:32:17		66.7	66.7
66.8	12:32:18		66.8	66.8
65.0	12:32:19		65.0	65.0
63.3	12:32:20		63.3	63.3
62.8	12:32:21		62.8	62.8
62.8	12:32:22		62.8	62.8
63.1	12:32:23		63.1	63.1
62.8	12:32:24		62.8	62.8
63.8	12:32:25		63.8	63.8
64.5	12:32:26		64.5	64.5
63.4	12:32:27		63.4	63.4
62.7	12:32:28		62.7	62.7
63.9	12:32:29		63.9	63.9
65.6	12:32:30		65.6	65.6
65.8	12:32:31		65.8	65.8
64.4	12:32:32		64.4	64.4
62.9	12:32:33		62.9	62.9
61.7	12:32:34		61.7	61.7
61.8	12:32:35		61.8	61.8
62.6	12:32:36		62.6	62.6
61.8	12:32:37		61.8	61.8
60.5	12:32:38		60.5	60.5
59.4	12:32:39		59.4	59.4
58.9	12:32:40		58.9	58.9
59.3	12:32:41		59.3	59.3
60.2	12:32:42		60.2	60.2
60.7	12:32:43		60.7	60.7
61.0	12:32:44		61.0	61.0
60.5	12:32:45		60.5	60.5
60.3	12:32:46		60.3	60.3
59.7	12:32:47		59.7	59.7
59.1	12:32:48		59.1	59.1
58.7	12:32:49		58.7	58.7
59.2	12:32:50		59.2	59.2
59.9	12:32:51		59.9	59.9
59.7	12:32:52		59.7	59.7
60.0	12:32:53		60.0	60.0
62.2	12:32:54		62.2	62.2
63.4	12:32:55		63.4	63.4
63.1	12:32:56		63.1	63.1
64.3	12:32:57		64.3	64.3
66.1	12:32:58		66.1	66.1
66.0	12:32:59		66.0	66.0
65.2	12:33:00		65.2	65.2
64.4	12:33:01		64.4	64.4
63.2	12:33:02		63.2	63.2
61.3	12:33:03		61.3	61.3
59.6	12:33:04		59.6	59.6
58.1	12:33:05		58.1	58.1
58.1	12:33:06		58.1	58.1
58.8	12:33:07		58.8	58.8
59.0	12:33:08		59.0	59.0
60.3	12:33:09		60.3	60.3
60.4	12:33:10		60.4	60.4
60.1	12:33:11		60.1	60.1
60.3	12:33:12		60.3	60.3
60.5	12:33:13		60.5	60.5
60.0	12:33:14		60.0	60.0
58.9	12:33:15		58.9	58.9
57.3	12:33:16		57.3	57.3
55.9	12:33:17		55.9	55.9
55.8	12:33:18		55.8	55.8
56.8	12:33:19		56.8	56.8
57.9	12:33:20		57.9	57.9
56.9	12:33:21		56.9	56.9
56.1	12:33:22		56.1	56.1
54.9	12:33:23		54.9	54.9
54.3	12:33:24		54.3	54.3
55.5	12:33:25		55.5	55.5
58.3	12:33:26		58.3	58.3
60.7	12:33:27		60.7	60.7
61.2	12:33:28		61.2	61.2
60.3	12:33:29		60.3	60.3
59.6	12:33:30		59.6	59.6
60.8	12:33:31		60.8	60.8
64.4	12:33:32		64.4	64.4
66.9	12:33:33		66.9	66.9
67.8	12:33:34		67.8	67.8
67.1	12:33:35		67.1	67.1
65.5	12:33:36		65.5	65.5
64.1	12:33:37		64.1	64.1
63.3	12:33:38		63.3	63.3
62.9	12:33:39		62.9	62.9
61.9	12:33:40		61.9	61.9
61.4	12:33:41		61.4	61.4
62.5	12:33:42		62.5	62.5
64.3	12:33:43		64.3	64.3
64.8	12:33:44		64.8	64.8
64.2	12:33:45		64.2	64.2
64.9	12:33:46		64.9	64.9
65.3	12:33:47		65.3	65.3
64.2	12:33:48		64.2	64.2
62.9	12:33:49		62.9	62.9
62.0	12:33:50		62.0	62.0
61.5	12:33:51		61.5	61.5
61.4	12:33:52		61.4	61.4
61.3	12:33:53		61.3	61.3
60.4	12:33:54		60.4	60.4
59.1	12:33:55		59.1	59.1
58.5	12:33:56		58.5	58.5
58.7	12:33:57		58.7	58.7
58.3	12:33:58		58.3	58.3
58.3	12:33:59		58.3	58.3
58.2	12:34:00		58.2	58.2
58.7	12:34:01		58.7	58.7
59.3	12:34:02		59.3	59.3

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
56.9	12:39:16		56.9	56.9
57.2	12:39:17		57.2	57.2
58.5	12:39:18		58.5	58.5
59.4	12:39:19		59.4	59.4
60.1	12:39:20		60.1	60.1
61.4	12:39:21		61.4	61.4
62.0	12:39:22		62.0	62.0
62.5	12:39:23		62.5	62.5
62.3	12:39:24		62.3	62.3
61.2	12:39:25		61.2	61.2
59.1	12:39:26		59.1	59.1
56.9	12:39:27		56.9	56.9
55.6	12:39:28		55.6	55.6
55.0	12:39:29		55.0	55.0
53.4	12:39:30		53.4	53.4
51.5	12:39:31		51.5	51.5
51.2	12:39:32		51.2	51.2
53.8	12:39:33		53.8	53.8
55.6	12:39:34		55.6	55.6
55.9	12:39:35		55.9	55.9
55.9	12:39:36		55.9	55.9
56.9	12:39:37		56.9	56.9
58.3	12:39:38		58.3	58.3
59.4	12:39:39		59.4	59.4
58.5	12:39:40		58.5	58.5
57.3	12:39:41		57.3	57.3
57.3	12:39:42		57.3	57.3
58.3	12:39:43		58.3	58.3
57.7	12:39:44		57.7	57.7
56.4	12:39:45		56.4	56.4
55.7	12:39:46		55.7	55.7
57.8	12:39:47		57.8	57.8
60.1	12:39:48		60.1	60.1
62.3	12:39:49		62.3	62.3
63.7	12:39:50		63.7	63.7
63.1	12:39:51		63.1	63.1
62.5	12:39:52		62.5	62.5
61.6	12:39:53		61.6	61.6
61.0	12:39:54		61.0	61.0
60.0	12:39:55		60.0	60.0
57.8	12:39:56		57.8	57.8
56.1	12:39:57		56.1	56.1
55.8	12:39:58		55.8	55.8
56.7	12:39:59		56.7	56.7
56.7	12:40:00		56.7	56.7
56.4	12:40:01		56.4	56.4
56.2	12:40:02		56.2	56.2
56.1	12:40:03		56.1	56.1
55.8	12:40:04		55.8	55.8
55.4	12:40:05		55.4	55.4
52.8	12:40:06		52.8	52.8
50.9	12:40:07		50.9	50.9
51.8	12:40:08		51.8	51.8
53.2	12:40:09		53.2	53.2
54.7	12:40:10		54.7	54.7
55.2	12:40:11		55.2	55.2
54.8	12:40:12		54.8	54.8
56.2	12:40:13		56.2	56.2
56.7	12:40:14		56.7	56.7
59.9	12:40:15		59.9	59.9
59.9	12:40:16		59.9	59.9
58.9	12:40:17		58.9	58.9
60.0	12:40:18		60.0	60.0
60.1	12:40:19		60.1	60.1
58.5	12:40:20		58.5	58.5
58.1	12:40:21		58.1	58.1
58.8	12:40:22		58.8	58.8
60.4	12:40:23		60.4	60.4
60.9	12:40:24		60.9	60.9
60.8	12:40:25		60.8	60.8
59.3	12:40:26		59.3	59.3
57.7	12:40:27		57.7	57.7
57.4	12:40:28		57.4	57.4
58.9	12:40:29		58.9	58.9
58.8	12:40:30		58.8	58.8
57.8	12:40:31		57.8	57.8
57.7	12:40:32		57.7	57.7
57.8	12:40:33		57.8	57.8
58.4	12:40:34		58.4	58.4
60.8	12:40:35		60.8	60.8
62.2	12:40:36		62.2	62.2
61.3	12:40:37		61.3	61.3
61.7	12:40:38		61.7	61.7
61.6	12:40:39		61.6	61.6
60.5	12:40:40		60.5	60.5
59.4	12:40:41		59.4	59.4
59.4	12:40:42		59.4	59.4
59.6	12:40:43		59.6	59.6
59.5	12:40:44		59.5	59.5
59.0	12:40:45		59.0	59.0
59.0	12:40:46		59.0	59.0
59.5	12:40:47		59.5	59.5
66.3	12:40:48		66.3	66.3
68.3	12:40:49		68.3	68.3
67.0	12:40:50		67.0	67.0
64.8	12:40:51		64.8	64.8
62.8	12:40:52		62.8	62.8
61.8	12:40:53		61.8	61.8
60.8	12:40:54		60.8	60.8
60.1	12:40:55		60.1	60.1
60.6	12:40:56		60.6	60.6
60.4	12:40:57		60.4	60.4
59.3	12:40:58		59.3	59.3
58.1	12:40:59		58.1	58.1
58.5	12:41:00		58.5	58.5
60.3	12:41:01		60.3	60.3
61.7	12:41:02		61.7	61.7
62.4	12:41:03		62.4	62.4
62.4	12:41:04		62.4	62.4
61.0	12:41:05		61.0	61.0
59.3	12:41:06		59.3	59.3
58.8	12:41:07		58.8	58.8
58.4	12:41:08		58.4	58.4
57.0	12:41:09		57.0	57.0
55.7	12:41:10		55.7	55.7
55.7	12:41:11		55.7	55.7
56.4	12:41:12		56.4	56.4
57.9	12:41:13		57.9	57.9
57.9	12:41:14		57.9	57.9
55.4	12:41:15		55.4	55.4
52.9	12:41:16		52.9	52.9
52.4	12:41:17		52.4	52.4
51.1	12:41:18		51.1	51.1
51.3	12:41:19		51.3	51.3
54.0	12:41:20		54.0	54.0
52.4	12:41:21		52.4	52.4
52.4	12:41:22		52.4	52.4
54.6	12:41:23		54.6	54.6
56.5	12:41:24		56.5	56.5
55.6	12:41:25		55.6	55.6
53.5	12:41:26		53.5	53.5
53.8	12:41:27		53.8	53.8
58.0	12:41:28		58.0	58.0
60.9	12:41:29		60.9	60.9
61.4	12:41:30		61.4	61.4
59.5	12:41:31		59.5	59.5
57.0	12:41:32		57.0	57.0
55.0	12:41:33		55.0	55.0
56.0	12:41:34		56.0	56.0
58.7	12:41:35		58.7	58.7
61.0	12:41:36		61.0	61.0
61.3	12:41:37		61.3	61.3
61.0	12:41:38		61.0	61.0
59.6	12:41:39		59.6	59.6
58.9	12:41:40		58.9	58.9
58.7	12:41:41		58.7	58.7
59.0	12:41:42		59.0	59.0
59.2	12:41:43		59.2	59.2
60.2	12:41:44		60.2	60.2
61.0	12:41:45		61.0	61.0
60.3	12:41:46		60.3	60.3
58.9	12:41:47		58.9	58.9
57.0	12:41:48		57.0	57.0
56.3	12:41:49		56.3	56.3
56.4	12:41:50		56.4	56.4
57.1	12:41:51		57.1	57.1
59.4	12:41:52		59.4	59.4
59.7	12:41:53		59.7	59.7
59.3	12:41:54		59.3	59.3
58.2	12:41:55		58.2	58.2
58.2	12:41:56		58.2	58.2
59.0	12:41:57		59.0	59.0

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
57.8	12:51:01		57.8	57.8
57.6	12:51:02		57.6	57.6
57.2	12:51:03		57.2	57.2
58.5	12:51:04		58.5	58.5
60.1	12:51:05		60.1	60.1
59.1	12:51:06		59.1	59.1
59.9	12:51:07		59.9	59.9
61.4	12:51:08		61.4	61.4
60.8	12:51:09		60.8	60.8
60.9	12:51:10		60.9	60.9
63.6	12:51:11		63.6	63.6
62.3	12:51:12		62.3	62.3
59.6	12:51:13		59.6	59.6
58.0	12:51:14		58.0	58.0
57.4	12:51:15		57.4	57.4
57.1	12:51:16		57.1	57.1
60.1	12:51:17		60.1	60.1
58.8	12:51:18		58.8	58.8
58.0	12:51:19		58.0	58.0
57.5	12:51:20		57.5	57.5
56.4	12:51:21		56.4	56.4
55.8	12:51:22		55.8	55.8
56.0	12:51:23		56.0	56.0
56.1	12:51:24		56.1	56.1
56.3	12:51:25		56.3	56.3
56.7	12:51:26		56.7	56.7
57.6	12:51:27		57.6	57.6
58.2	12:51:28		58.2	58.2
59.1	12:51:29		59.1	59.1
60.0	12:51:30		60.0	60.0
60.9	12:51:31		60.9	60.9
61.8	12:51:32		61.8	61.8
60.9	12:51:33		60.9	60.9
60.6	12:51:34		60.6	60.6
60.6	12:51:35		60.6	60.6
60.7	12:51:36		60.7	60.7
62.2	12:51:37		62.2	62.2
63.7	12:51:38		63.7	63.7
62.3	12:51:39		62.3	62.3
60.6	12:51:40		60.6	60.6
59.6	12:51:41		59.6	59.6
59.3	12:51:42		59.3	59.3
59.0	12:51:43		59.0	59.0
58.3	12:51:44		58.3	58.3
58.7	12:51:45		58.7	58.7
58.6	12:51:46		58.6	58.6
60.3	12:51:47		60.3	60.3
61.4	12:51:48		61.4	61.4
65.4	12:51:49		65.4	65.4
63.3	12:51:50		63.3	63.3
61.3	12:51:51		61.3	61.3
60.1	12:51:52		60.1	60.1
59.3	12:51:53		59.3	59.3
59.6	12:51:54		59.6	59.6
59.7	12:51:55		59.7	59.7
60.1	12:51:56		60.1	60.1
59.9	12:51:57		59.9	59.9
59.0	12:51:58		59.0	59.0
59.1	12:51:59		59.1	59.1
59.3	12:52:00		59.3	59.3
59.1	12:52:01		59.1	59.1
59.5	12:52:02		59.5	59.5
59.5	12:52:03		59.5	59.5
59.7	12:52:04		59.7	59.7
59.2	12:52:05		59.2	59.2
58.5	12:52:06		58.5	58.5
60.2	12:52:07		60.2	60.2
63.8	12:52:08		63.8	63.8
64.6	12:52:09		64.6	64.6
62.3	12:52:10		62.3	62.3
63.6	12:52:11		63.6	63.6
63.0	12:52:12		63.0	63.0
61.8	12:52:13		61.8	61.8
60.9	12:52:14		60.9	60.9
59.9	12:52:15		59.9	59.9
59.2	12:52:16		59.2	59.2
58.7	12:52:17		58.7	58.7
59.1	12:52:18		59.1	59.1
58.8	12:52:19		58.8	58.8
58.2	12:52:20		58.2	58.2
56.9	12:52:21		56.9	56.9
56.4	12:52:22		56.4	56.4
55.2	12:52:23		55.2	55.2
54.1	12:52:24		54.1	54.1
54.2	12:52:25		54.2	54.2
55.3	12:52:26		55.3	55.3
56.4	12:52:27		56.4	56.4
57.5	12:52:28		57.5	57.5
55.8	12:52:29		55.8	55.8
55.1	12:52:30		55.1	55.1
54.9	12:52:31		54.9	54.9
54.5	12:52:32		54.5	54.5
54.8	12:52:33		54.8	54.8
54.8	12:52:34		54.8	54.8
54.7	12:52:35		54.7	54.7
56.4	12:52:36		56.4	56.4
55.8	12:52:37		55.8	55.8
56.6	12:52:38		56.6	56.6
57.5	12:52:39		57.5	57.5
56.5	12:52:40		56.5	56.5
54.7	12:52:41		54.7	54.7
54.2	12:52:42		54.2	54.2
54.0	12:52:43		54.0	54.0
53.8	12:52:44		53.8	53.8
54.2	12:52:45		54.2	54.2
55.6	12:52:46		55.6	55.6
54.5	12:52:47		54.5	54.5
54.9	12:52:48		54.9	54.9
56.5	12:52:49		56.5	56.5
55.5	12:52:50		55.5	55.5
56.4	12:52:51		56.4	56.4
56.7	12:52:52		56.7	56.7
55.9	12:52:53		55.9	55.9
54.3	12:52:54		54.3	54.3
55.0	12:52:55		55.0	55.0
55.1	12:52:56		55.1	55.1
54.3	12:52:57		54.3	54.3
53.2	12:52:58		53.2	53.2
52.6	12:52:59		52.6	52.6
52.3	12:53:00		52.3	52.3
52.0	12:53:01		52.0	52.0
51.8	12:53:02		51.8	51.8
51.9	12:53:03		51.9	51.9
53.2	12:53:04		53.2	53.2
54.4	12:53:05		54.4	54.4
55.3	12:53:06		55.3	55.3
55.2	12:53:07		55.2	55.2
54.7	12:53:08		54.7	54.7
55.7	12:53:09		55.7	55.7
56.9	12:53:10		56.9	56.9
55.1	12:53:11		55.1	55.1
54.1	12:53:12		54.1	54.1
58.3	12:53:13		58.3	58.3
59.2	12:53:14		59.2	59.2
57.1	12:53:15		57.1	57.1
55.2	12:53:16		55.2	55.2
54.3	12:53:17		54.3	54.3
54.0	12:53:18		54.0	54.0
53.8	12:53:19		53.8	53.8
53.3	12:53:20		53.3	53.3
53.9	12:53:21		53.9	53.9
54.1	12:53:22		54.1	54.1
54.2	12:53:23		54.2	54.2
54.0	12:53:24		54.0	54.0
54.4	12:53:25		54.4	54.4
54.7	12:53:26		54.7	54.7
54.6	12:53:27		54.6	54.6
54.0	12:53:28		54.0	54.0
54.4	12:53:29		54.4	54.4
54.5	12:53:30		54.5	54.5
56.0	12:53:31		56.0	56.0
61.7	12:53:32		61.7	61.7
61.3	12:53:33		61.3	61.3
58.8	12:53:34		58.8	58.8
57.5	12:53:35		57.5	57.5
57.5	12:53:36		57.5	57.5
57.6	12:53:37		57.6	57.6
57.7	12:53:38		57.7	57.7
56.8	12:53:39		56.8	56.8
56.5	12:53:40		56.5	56.5
56.8	12:53:41		56.8	56.8
57.3	12:53:42		57.3	57.3

Site 1 - On North Prop Line Approx 55 ft West of NE Corner					Site 2 - On South Side Approx 105 ft W of E Prop Line					Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
59.9	12:34:03		59.9	59.9	58.1	12:41:58		58.1	58.1	55.7	12:53:43		55.7	55.7
59.7	12:34:04		59.7	59.7	58.4	12:41:59		58.4	58.4	54.5	12:53:44		54.5	54.5
59.8	12:34:05		59.8	59.8	59.3	12:42:00		59.3	59.3	54.1	12:53:45		54.1	54.1
59.8	12:34:06		59.8	59.8	60.6	12:42:01		60.6	60.6	53.9	12:53:46		53.9	53.9
59.3	12:34:07		59.3	59.3	64.1	12:42:02		64.1	64.1	54.1	12:53:47		54.1	54.1
58.3	12:34:08		58.3	58.3	64.7	12:42:03		64.7	64.7	54.2	12:53:48		54.2	54.2
57.8	12:34:09		57.8	57.8	62.8	12:42:04		62.8	62.8	53.7	12:53:49		53.7	53.7
57.7	12:34:10		57.7	57.7	61.1	12:42:05		61.1	61.1	53.9	12:53:50		53.9	53.9
56.9	12:34:11		56.9	56.9	59.1	12:42:06		59.1	59.1	53.7	12:53:51		53.7	53.7
55.7	12:34:12		55.7	55.7	57.8	12:42:07		57.8	57.8	53.0	12:53:52		53.0	53.0
54.9	12:34:13		54.9	54.9	58.3	12:42:08		58.3	58.3	52.5	12:53:53		52.5	52.5
54.7	12:34:14		54.7	54.7	58.9	12:42:09		58.9	58.9	52.6	12:53:54		52.6	52.6
55.6	12:34:15		55.6	55.6	59.3	12:42:10		59.3	59.3	53.1	12:53:55		53.1	53.1
55.9	12:34:16		55.9	55.9	58.2	12:42:11		58.2	58.2	53.8	12:53:56		53.8	53.8
55.9	12:34:17		55.9	55.9	57.8	12:42:12		57.8	57.8	54.1	12:53:57		54.1	54.1
56.8	12:34:18		56.8	56.8	59.7	12:42:13		59.7	59.7	55.4	12:53:58		55.4	55.4
57.2	12:34:19		57.2	57.2	60.6	12:42:14		60.6	60.6	55.6	12:53:59		55.6	55.6
57.7	12:34:20		57.7	57.7	60.7	12:42:15		60.7	60.7	54.7	12:54:00		54.7	54.7
57.2	12:34:21		57.2	57.2	59.8	12:42:16		59.8	59.8	55.1	12:54:01		55.1	55.1
56.2	12:34:22		56.2	56.2	61.2	12:42:17		61.2	61.2	58.2	12:54:02		58.2	58.2
55.7	12:34:23		55.7	55.7	62.0	12:42:18		62.0	62.0	58.8	12:54:03		58.8	58.8
56.0	12:34:24		56.0	56.0	61.2	12:42:19		61.2	61.2	56.8	12:54:04		56.8	56.8
56.6	12:34:25		56.6	56.6	61.2	12:42:20		61.2	61.2	58.2	12:54:05		58.2	58.2
56.2	12:34:26		56.2	56.2	61.8	12:42:21		61.8	61.8	58.2	12:54:06		58.2	58.2
54.9	12:34:27		54.9	54.9	60.7	12:42:22		60.7	60.7	56.1	12:54:07		56.1	56.1
54.2	12:34:28		54.2	54.2	58.9	12:42:23		58.9	58.9	54.8	12:54:08		54.8	54.8
54.5	12:34:29		54.5	54.5	57.3	12:42:24		57.3	57.3	55.3	12:54:09		55.3	55.3
55.3	12:34:30		55.3	55.3	56.7	12:42:25		56.7	56.7	56.4	12:54:10		56.4	56.4
54.9	12:34:31		54.9	54.9	57.9	12:42:26		57.9	57.9	56.6	12:54:11		56.6	56.6
55.3	12:34:32		55.3	55.3	59.9	12:42:27		59.9	59.9	57.6	12:54:12		57.6	57.6
55.9	12:34:33		55.9	55.9	59.4	12:42:28		59.4	59.4	56.9	12:54:13		56.9	56.9
57.3	12:34:34		57.3	57.3	59.3	12:42:29		59.3	59.3	56.7	12:54:14		56.7	56.7
59.5	12:34:35		59.5	59.5	62.4	12:42:30		62.4	62.4	57.0	12:54:15		57.0	57.0
61.4	12:34:36		61.4	61.4	65.2	12:42:31		65.2	65.2	57.0	12:54:16		57.0	57.0
64.0	12:34:37		64.0	64.0	64.4	12:42:32		64.4	64.4	57.3	12:54:17		57.3	57.3
64.8	12:34:38		64.8	64.8	61.5	12:42:33		61.5	61.5	56.6	12:54:18		56.6	56.6
64.7	12:34:39		64.7	64.7	60.6	12:42:34		60.6	60.6	56.5	12:54:19		56.5	56.5
64.4	12:34:40		64.4	64.4	59.9	12:42:35		59.9	59.9	56.2	12:54:20		56.2	56.2
64.5	12:34:41		64.5	64.5	59.7	12:42:36		59.7	59.7	57.7	12:54:21		57.7	57.7
64.3	12:34:42		64.3	64.3	60.6	12:42:37		60.6	60.6	57.0	12:54:22		57.0	57.0
63.8	12:34:43		63.8	63.8	63.2	12:42:38		63.2	63.2	56.2	12:54:23		56.2	56.2
62.8	12:34:44		62.8	62.8	63.6	12:42:39		63.6	63.6	56.9	12:54:24		56.9	56.9
62.1	12:34:45		62.1	62.1	62.9	12:42:40		62.9	62.9	57.3	12:54:25		57.3	57.3
61.8	12:34:46		61.8	61.8	61.3	12:42:41		61.3	61.3	57.5	12:54:26		57.5	57.5
61.3	12:34:47		61.3	61.3	61.2	12:42:42		61.2	61.2	58.3	12:54:27		58.3	58.3
61.2	12:34:48		61.2	61.2	60.6	12:42:43		60.6	60.6	59.6	12:54:28		59.6	59.6
61.3	12:34:49		61.3	61.3	59.3	12:42:44		59.3	59.3	60.5	12:54:29		60.5	60.5
62.0	12:34:50		62.0	62.0	59.8	12:42:45		59.8	59.8	61.4	12:54:30		61.4	61.4
63.6	12:34:51		63.6	63.6	60.6	12:42:46		60.6	60.6	61.9	12:54:31		61.9	61.9
65.7	12:34:52		65.7	65.7	60.4	12:42:47		60.4	60.4	62.5	12:54:32		62.5	62.5
66.3	12:34:53		66.3	66.3	59.7	12:42:48		59.7	59.7	61.5	12:54:33		61.5	61.5
65.4	12:34:54		65.4	65.4	60.3	12:42:49		60.3	60.3	60.5	12:54:34		60.5	60.5
64.0	12:34:55		64.0	64.0	63.0	12:42:50		63.0	63.0	60.0	12:54:35		60.0	60.0
62.6	12:34:56		62.6	62.6	65.3	12:42:51		65.3	65.3	60.3	12:54:36		60.3	60.3
61.6	12:34:57		61.6	61.6	65.6	12:42:52		65.6	65.6	60.3	12:54:37		60.3	60.3
61.4	12:34:58		61.4	61.4	64.1	12:42:53		64.1	64.1	59.5	12:54:38		59.5	59.5
61.3	12:34:59		61.3	61.3	64.2	12:42:54		64.2	64.2	58.3	12:54:39		58.3	58.3
62.2	12:35:00		62.2	62.2	63.9	12:42:55		63.9	63.9	58.2	12:54:40		58.2	58.2
63.6	12:35:01		63.6	63.6	62.2	12:42:56		62.2	62.2	58.5	12:54:41		58.5	58.5
64.7	12:35:02		64.7	64.7	60.3	12:42:57		60.3	60.3	57.9	12:54:42		57.9	57.9
63.2	12:35:03		63.2	63.2	58.8	12:42:58		58.8	58.8	57.6	12:54:43		57.6	57.6
61.1	12:35:04		61.1	61.1	58.4	12:42:59		58.4	58.4	56.9	12:54:44		56.9	56.9
60.2	12:35:05		60.2	60.2	61.6	12:43:00		61.6	61.6	56.1	12:54:45		56.1	56.1
61.4	12:35:06		61.4	61.4	63.2	12:43:01		63.2	63.2	55.6	12:54:46		55.6	55.6
61.7	12:35:07		61.7	61.7	61.3	12:43:02		61.3	61.3	55.7	12:54:47		55.7	55.7
60.4	12:35:08		60.4	60.4	58.5	12:43:03		58.5	58.5	56.2	12:54:48		56.2	56.2
59.2	12:35:09		59.2	59.2	55.5	12:43:04		55.5	55.5	56.5	12:54:49		56.5	56.5
59.0	12:35:10		59.0	59.0	53.6	12:43:05		53.6	53.6	55.3	12:54:50		55.3	55.3
61.0	12:35:11		61.0	61.0	53.5	12:43:06		53.5	53.5	54.1	12:54:51		54.1	54.1
64.8	12:35:12		64.8	64.8	52.0	12:43:07		52.0	52.0	53.2	12:54:52		53.2	53.2
69.2	12:35:13		69.2	69.2	52.1	12:43:08		52.1	52.1	53.5	12:54:53		53.5	53.5
69.4	12:35:14		69.4	69.4	56.9	12:43:09		56.9	56.9	54.1	12:54:54		54.1	54.1
67.3	12:35:15		67.3	67.3	56.5	12:43:10		56.5	56.5	54.8	12:54:55		54.8	54.8
65.1	12:35:16		65.1	65.1	56.0	12:43:11		56.0	56.0	55.9	12:54:56		55.9	55.9
63.0	12:35:17		63.0	63.0	56.7	12:43:12		56.7	56.7	60.7	12:54:57		60.7	60.7
61.6	12:35:18		61.6	61.6	56.4	12:43:13		56.4	56.4	60.6	12:54:58		60.6	60.6
62.3	12:35:19		62.3	62.3	57.1	12:43:14		57.1	57.1	60.2	12:54:59		60.2	60.2
63.7	12:35:20		63.7	63.7	55.9	12:43:15		55.9	55.9	59.9	12:55:00		59.9	59.9
62.4	12:35:21		62.4	62.4	56.7	12:43:16		56.7	56.7	59.4	12:55:01		59.4	59.4
60.5	12:35:22		60.5	60.5	55.2	12:43:17		55.2	55.2	60.2	12:55:02		60.2	60.2
58.4	12:35:23		58.4	58.4	53.6	12:43:18		53.6	53.6	58.7	12:55:03		58.7	58.7
58.1	12:35:24		58.1	58.1	52.4	12:43:19		52.4	52.4	59.0	12:55:04		59.0	59.0
59.4	12:35:25		59.4	59.4	53.9	12:43:20		53.9	53.9	59.8	12:55:05		59.8	59.8
60.4	12:35:26		60.4	60.4	56.7	12:43:21		56.7	56.7	59.6	12:55:06		59.6	59.6
61.0	12:35:27		61.0	61.0	60.4	12:43:22		60.4	60.4	58.8	12:55:07		58.8	58.8
60.1	12:35:28		60.1	60.1	65.8	12:43:23		65.8	65.8	58.7	12:55:08		58.7	58.7
59.4	12:35:29		59.4	59.4	66.0	12:43:24		66.0	66.0	57.8	12:55:09		57.8	57.8
59.2	12:35:30		59.2	59.2	64.9	12:43:25		64.9	64.9	57.7	12:55:10		57.7	57.7
59.8	12:35:31		59.8	59.8	63.9	12:43:26		63.9	63.9	60.2	12:55:11		60.2	60.2
61.4	12:35:32		61.4	61.4	62.0	12:43:27		62.0	62.0	60.3	12:55:12		60.3	60.3
63.8	12:35:33		63.8	63.8	59.7	12:43:28		59.7	59.7	58.1	12:55:13		58.1	58.1
64.3	12:35:34		64.3	64.3	57.9	12:43:29		57.9	57.9	58.6	12:55:14		58.6	58.6
64.2	12:35:35		64.2	64.2	57.0	12:43:30		57.0	57.0	57.8	12:55:15		57.8	57.8
63.7	12:35:36		63.7	63.7	58.2	12:43:31		58.2	58.2	57.0	12:55:16		57.0	57.0
62.7	12:35:37		62.7	62.7	60.0	12:43:32		60.0	60.0	55.9	12:55:17		55.9	55.9
62.0	12:35:38		62.0	62.0	60.8	12:43:33		60.8	60.8	55.3	12:55:18		55.3	55.3
62.1	12:35:39		62.1	62.1	61.2	12:43:34		61.2	61.2	56.0	12:55:19		56.0	56.0
62.2	12:35:40		62.2	62.2	60.7	12:43:35		60.7	60.7	56.9	12:55:20		56.9	56.9
61.6	12:35:41		61.6	61.6	60.2	12:43:36		60.2	60.2	57.6	12:55:21		57.6	57.6
60.4	12:35:42		60.4	60.4	59.2	12:43:37		59.2	59.2	56.7	12:55:22		56.7	56.7
60.3	12:35:43		60.3	60.3	60.0	12:43:38		60.0	60.0	55.7	12:55:23		55.7	55.7
60.7	12:35:44		60.7	60.7	60.8	12:43:39		60.8	60.8	55.1	12:55:24		55.1	55.1
62.9	12:35:45		62.9	62.9	59.2	12:43:40		59.2	59.2	55.3	12:55:25		55.3	55.3
63.4	12:35:46		63.4	63.4	58.1	12:43:41		58.1	58.1	55.6	12:55:26		55.6	55.6
62.6	12:35:47		62.6	62.6	56.3	12:43:42		56.3	56.3	56.8	12:55:27		56.8	56.8
61.9	12:35:48		61.9	61.9	56.2	12:43:43		56.2	56.2	57.4	12:55:28		57.4	57.4
61.3	12:35:49		61.3	61.3	57.6	12:43:44		57.6	57.6	57.1	12:55:29		57.1	57.1
60.7	12:35:50		60.7	60.7	57.9	12:43:45		57.9	57.9	56.8	12:55:30		56.8	56.8
59.7	12:35:51		59.7	59.7	58.2	12:43:46		58.2	58.2	56.6	12:55:31		56.6	56.6
57.8	12:35:52		57.8	57.8	59.7	12:43:47		59.7	59.7	56.2	12:55:32		56.2	56.2
57.0	12:35:53		57.0	57.0	61.6	12:43:48		61.6	61.6	56.1	12:55:33		56.1	56.1
57.9	12:35:54		57.9	57.9	61.5	12:43:49		61.5	61.5	55.6	12:55:34		55.6	55.6
58.4	12:35:55		58.4	58.4	60.5	12:43:50		60.5	60.5	54.7	12:55:35		54.7	54.7
58.3	12:35:56		58.3	58.3	60.1	12:43:51		60.1	60.1	54.0	12:55:36		54.0	54.0
59.3	12:35:57		59.3	59.3	60.8	12:43:52		60.8	60.8	53.8	12:55:37		53.8	53.8
60.3	12:35:58		60.3	60.3	61.1	12:43:53		61.1	61.1	61.6	12:55:38		61.6	61.6
60.4	12:35:59		60.4	60.4	59.9	12:43:54		59.9	59.9	61.7	12:55:39		61.7	61.7
59.5	12:36:00		59.5	59.5	58.2	12:43:55		58.2	58.2	59.4	12:55:40		59.4	59.4
59.0	12:36:01		59.0	59.0	55.9	12:43:56		55.9	55.9	56.9	12:55:41		56.9	56.9
59.9	12:36:02		59.9	59.9	54.7	12:43:57		54.7	54.7	55.5	12:55:42		55.5	55.5
60.7	12:36:03		60.7	60.7	56.0	12:43:58		56.0	56.0	55.2	12:55:43		55.2	55.2
60.2	12:36:04		60.2	60.2	57.9	12:43:59		57.9	57.9	54.5	12:55:44		54.5	54.5
60.8	12:36:05		60.8	60.8	59.2	12:44:00		59.2	59.2	54.6	12:55:45		54.6	54.6
62.7	12:36:06		62.7	62.7	62.2	12:44:01		62.2	62.2	54.6	12:55:46		54.6	54.6
62.4	12:36:07		62.4	62.4	64.2	12:44:02		64.2	64.2	56.1	12:55:47		56.1	56.1
61.8	12:36:08		61.8	61.8	64.2	12:44:03		64.2	64.2	56.7	12:55:48		56.7	56.7
62.4	12:36:09		62.4	62.4	63.2	12:44:04		63.2	63.2	57.8	12:55:49		57.8	57.8
63.1	12:36:10		63.1	63.1	62.1	12:44:05		62.1	62.1	57.9	12:55:50		57.9	57.9
63.2	12:36:11		63.2	63.2	61.3	12:44:06		61.3	61.3	57.4	12:55:51		57.4	57.4
64.4	12:36:12		64.4	64.4	60.0	12:44:07		60.0	60.0	58.5	12:55:52		58.5	58.5
67.0	12:36:13		67.0	67.0	59.2	12:44:08		59.2	59.2	57.5	12:55:53		57.5	57.5
69.1	12:36:14		69.1	69.1	60.1	12:44:09		60.1	60.1	57.0	12:55:54		57.0	57.0
67.8	12:36:15		67.8	67.8	61.6	12:44:10		61.6	61.6	58.6	12:55:55		58.6	58.6
65.5	12:36:16		65.5	65.5	61.6	12:44:11		61.6	61.6	59.6	12:55:56		59.6	59.6
63.9	12:36:17		63.9	63.9	60.7	12:44:12		60.7	60.7	58.6	12:55:57		58.6	58.6
62.9	12:36:18		62.9	62.9	58.9	12:44:13		58.9	58.9	58.0	12:55:58		58.0	58.0
62.9	12:36:19		62.9	62.9	58.1	12:44:14		58.1	58.1	57.4	12:55:59		57.4	57.4
63.4	12:36:20		63.4	63.4	58.7	12:44:15		58.7	58.7	57.1	12:56:00		57.1	57.1
63.0	12:36:21		63.0	63.0	59.2	12:44:16		59.2	59.2	58.5	12:56:01		58.5	58.5
62.7	12:36:22		62.7	62.7	60.4	12:44:17		60.4	60.4	59.0	12:56:02		59.0	59.0
62.4	12:36:23		62.4	62.4	61.8	12:44:18		61.8	61.8	58.3	12:56:03		58.3	58.3
62.8	12:36:24		62.8	62.8	61.2	12:44:19		61.2	61.2	58.4	12:56:04		58.4	58.4
63.1	12:36:25		63.1	63.1	60.3	12:44:20		60.3	60.3	58.1	12:56:05		58.1	58.1
63.3	12:36:26		63.3	63.3	60.0	12:44:21		60.0	60.0	57.0	12:56:06		57.0	57.0
62.0	12:36:27		62.0	62.0	58.9	12:44:22		58.9	58.9	56.1	12:56:07		56.1	56.1
60.8	12:36:28		60.8	60.8	58.8	12:44:23		58.8	58.8	55.2	12:56:08		55.2	55.2
61.3	12:36:29		61.3	61.3	62.2	12:44:24		62.2	62.2	55.1	12:56:09		55.1	55.1
61.2	12:36:30		61.2	61.2	63.8	12:44:25		63.8	63.8	55.0	12:56:10		55.0	55.0
59.4	12:36:31		59.4	59.4	62.3	12:44:26		62.3	62.3	54.7	12:56:11		54.7	54.7
58.3	12:36:32		58.3	58.3	61.2	12:44:27		61.2	61.2	54.8	12:56:12		54.8	54.8
58.0	12:36:33		58.0	58.0	61.1	12:44:28		61.1	61.1	55.1	12:56:13		55.1	55.1
57.3	12:36:34		57.3	57.3	61.3	12:44:29		61.3	61.3	55.5	12:56:14		55.5	55.5
56.4	12:36:35		56.4	56.4	62.3	12:44:30		62.3	62.3	54.9	12:56:15		54.9	54.9
57.2	12:36:36		57.2	57.2	63.3	12:44:31		63.3	63.3	54.5	12:56:16		54.5	54.5
59.2	12:36:37		59.2	59.2	62.1	12:44:32		62.1	62.1	54.5	12:56:17		54.5	54.5
60.7	12:36:38		60.7	60.7	59.6	12:44:33		59.6	59.6	55.7	12:56:18		55.7	55.7
61.8	12:36:39		61.8	61.8	57.7	12:44:34		57.7	57.7	56.5	12:56:19		56.5	56.5
61.7	12:36:40		61.7	61.7	58.7	12:44:35		58.7	58.7	57.7	12:56:20		57.7	57.7
61.1	12:36:41		61.1	61.1	62.5	12:44:36		62.5	62.5	60.7	12:56:21		60.7	60.7
60.2	12:36:42		60.2	60.2	64.6	12:44:37		64.6	64.6	61.7	12:56:22		61.7	61.7
60.9	12:36:43		60.9	60.9	63.8	12:44:38		63.8	63.8	61.7	12:56:23		61.7	61.7
63.3	12:36:44		63.3	63.3	63.0	12:44:39		63.0	63.0	60.7	12:56:24		60.7	60.7

Site 1 - On North Prop Line Approx 55 ft West of NE Corner					Site 2 - On South Side Approx 105 ft W of E Prop Line					Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
64.7	12:36:45		64.7	64.7	63.1	12:44:40		63.1	63.1	59.5	12:56:25		59.5	59.5
65.4	12:36:46		65.4	65.4	62.3	12:44:41		62.3	62.3	59.1	12:56:26		59.1	59.1
64.9	12:36:47		64.9	64.9	60.8	12:44:42		60.8	60.8	58.5	12:56:27		58.5	58.5
64.6	12:36:48		64.6	64.6	60.6	12:44:43		60.6	60.6	58.5	12:56:28		58.5	58.5
64.4	12:36:49		64.4	64.4	59.8	12:44:44		59.8	59.8	58.5	12:56:29		58.5	58.5
66.3	12:36:50		66.3	66.3	58.4	12:44:45		58.4	58.4	58.7	12:56:30		58.7	58.7
67.6	12:36:51		67.6	67.6	59.4	12:44:46		59.4	59.4	59.4	12:56:31		59.4	59.4
66.6	12:36:52		66.6	66.6	58.9	12:44:47		58.9	58.9	59.9	12:56:32		59.9	59.9
65.1	12:36:53		65.1	65.1	57.8	12:44:48		57.8	57.8	59.1	12:56:33		59.1	59.1
64.0	12:36:54		64.0	64.0	57.4	12:44:49		57.4	57.4	57.6	12:56:34		57.6	57.6
63.4	12:36:55		63.4	63.4	58.6	12:44:50		58.6	58.6	57.0	12:56:35		57.0	57.0
62.1	12:36:56		62.1	62.1	57.4	12:44:51		57.4	57.4	56.5	12:56:36		56.5	56.5
60.6	12:36:57		60.6	60.6	56.7	12:44:52		56.7	56.7	55.6	12:56:37		55.6	55.6
60.2	12:36:58		60.2	60.2	58.0	12:44:53		58.0	58.0	56.5	12:56:38		56.5	56.5
60.3	12:36:59		60.3	60.3	58.8	12:44:54		58.8	58.8	55.9	12:56:39		55.9	55.9
60.4	12:37:00		60.4	60.4	57.8	12:44:55		57.8	57.8	54.3	12:56:40		54.3	54.3
61.3	12:37:01		61.3	61.3	58.2	12:44:56		58.2	58.2	54.1	12:56:41		54.1	54.1
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57.2	12:39:19		57.2	57.2	60.4	12:47:14		60.4	60.4	56.6	12:58:59		56.6	56.6
56.7	12:39:20		56.7	56.7	60.7	12:47:15		60.7	60.7	56.4	12:59:00		56.4	56.4
57.2	12:39:21		57.2	57.2	61.1	12:47:16		61.1	61.1	57.8	12:59:01		57.8	57.8
58.7	12:39:22		58.7	58.7	61.1	12:47:17		61.1	61.1	57.7	12:59:02		57.7	57.7
60.0	12:39:23		60.0	60.0	59.7	12:47:18		59.7	59.7	57.3	12:59:03		57.3	57.3
61.1	12:39:24		61.1	61.1	59.1	12:47:19		59.1	59.1	58.0	12:59:04		58.0	58.0
63.2	12:39:25		63.2	63.2	59.2	12:47:20		59.2	59.2	58.3	12:59:05		58.3	58.3
64.4	12:39:26		64.4	64.4	59.0	12:47:21		59.0	59.0	57.7	12:59:06		57.7	57.7

Site 1 - On North Prop Line Approx 55 ft West of NE Corner

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
64.8	12:39:27		64.8	64.8
65.2	12:39:28		65.2	65.2
65.2	12:39:29		65.2	65.2
64.5	12:39:30		64.5	64.5
63.5	12:39:31		63.5	63.5
63.4	12:39:32		63.4	63.4
63.6	12:39:33		63.6	63.6
63.0	12:39:34		63.0	63.0
62.1	12:39:35		62.1	62.1
62.7	12:39:36		62.7	62.7
63.8	12:39:37		63.8	63.8
64.0	12:39:38		64.0	64.0
63.7	12:39:39		63.7	63.7
63.1	12:39:40		63.1	63.1
62.1	12:39:41		62.1	62.1
61.1	12:39:42		61.1	61.1
61.3	12:39:43		61.3	61.3
62.9	12:39:44		62.9	62.9
62.8	12:39:45		62.8	62.8
62.5	12:39:46		62.5	62.5
61.5	12:39:47		61.5	61.5
60.7	12:39:48		60.7	60.7
61.8	12:39:49		61.8	61.8
63.9	12:39:50		63.9	63.9
65.9	12:39:51		65.9	65.9
66.7	12:39:52		66.7	66.7
66.6	12:39:53		66.6	66.6
65.0	12:39:54		65.0	65.0
63.7	12:39:55		63.7	63.7
64.0	12:39:56		64.0	64.0
64.9	12:39:57		64.9	64.9
65.5	12:39:58		65.5	65.5
65.4	12:39:59		65.4	65.4
63.8	12:40:00		63.8	63.8
62.2	12:40:01		62.2	62.2
60.9	12:40:02		60.9	60.9
59.5	12:40:03		59.5	59.5
59.2	12:40:04		59.2	59.2
58.6	12:40:05		58.6	58.6
57.1	12:40:06		57.1	57.1
57.2	12:40:07		57.2	57.2
58.8	12:40:08		58.8	58.8
59.8	12:40:09		59.8	59.8
63.1	12:40:10		63.1	63.1
64.0	12:40:11		64.0	64.0
63.3	12:40:12		63.3	63.3
62.0	12:40:13		62.0	62.0
60.6	12:40:14		60.6	60.6
59.6	12:40:15		59.6	59.6
58.9	12:40:16		58.9	58.9
59.4	12:40:17		59.4	59.4
60.7	12:40:18		60.7	60.7
60.5	12:40:19		60.5	60.5
61.0	12:40:20		61.0	61.0
61.9	12:40:21		61.9	61.9
62.5	12:40:22		62.5	62.5
63.4	12:40:23		63.4	63.4
64.4	12:40:24		64.4	64.4
64.2	12:40:25		64.2	64.2
63.6	12:40:26		63.6	63.6
63.2	12:40:27		63.2	63.2
62.6	12:40:28		62.6	62.6
60.9	12:40:29		60.9	60.9
59.2	12:40:30		59.2	59.2
58.5	12:40:31		58.5	58.5
58.6	12:40:32		58.6	58.6
58.4	12:40:33		58.4	58.4
58.3	12:40:34		58.3	58.3
58.9	12:40:35		58.9	58.9
59.6	12:40:36		59.6	59.6
59.3	12:40:37		59.3	59.3
59.3	12:40:38		59.3	59.3
59.8	12:40:39		59.8	59.8
60.8	12:40:40		60.8	60.8
61.3	12:40:41		61.3	61.3
61.2	12:40:42		61.2	61.2
60.3	12:40:43		60.3	60.3
59.5	12:40:44		59.5	59.5
58.9	12:40:45		58.9	58.9
59.0	12:40:46		59.0	59.0
59.2	12:40:47		59.2	59.2
59.6	12:40:48		59.6	59.6
61.0	12:40:49		61.0	61.0
63.2	12:40:50		63.2	63.2
64.4	12:40:51		64.4	64.4
65.0	12:40:52		65.0	65.0
66.7	12:40:53		66.7	66.7
66.8	12:40:54		66.8	66.8
66.1	12:40:55		66.1	66.1
64.7	12:40:56		64.7	64.7
63.7	12:40:57		63.7	63.7
62.8	12:40:58		62.8	62.8
61.8	12:40:59		61.8	61.8
61.2	12:41:00		61.2	61.2
61.6	12:41:01		61.6	61.6
61.3	12:41:02		61.3	61.3
61.1	12:41:03		61.1	61.1
60.6	12:41:04		60.6	60.6
60.1	12:41:05		60.1	60.1
60.2	12:41:06		60.2	60.2
59.9	12:41:07		59.9	59.9
59.3	12:41:08		59.3	59.3
58.3	12:41:09		58.3	58.3
57.2	12:41:10		57.2	57.2
56.2	12:41:11		56.2	56.2
56.4	12:41:12		56.4	56.4
57.0	12:41:13		57.0	57.0
56.9	12:41:14		56.9	56.9
57.5	12:41:15		57.5	57.5
58.6	12:41:16		58.6	58.6
60.0	12:41:17		60.0	60.0
62.1	12:41:18		62.1	62.1
63.0	12:41:19		63.0	63.0
63.0	12:41:20		63.0	63.0
62.0	12:41:21		62.0	62.0
61.2	12:41:22		61.2	61.2
61.5	12:41:23		61.5	61.5
62.8	12:41:24		62.8	62.8
63.9	12:41:25		63.9	63.9
64.3	12:41:26		64.3	64.3
63.9	12:41:27		63.9	63.9
63.5	12:41:28		63.5	63.5
63.2	12:41:29		63.2	63.2
63.1	12:41:30		63.1	63.1
63.7	12:41:31		63.7	63.7
62.8	12:41:32		62.8	62.8
61.5	12:41:33		61.5	61.5
60.4	12:41:34		60.4	60.4
60.3	12:41:35		60.3	60.3
61.1	12:41:36		61.1	61.1
62.5	12:41:37		62.5	62.5
62.5	12:41:38		62.5	62.5
63.0	12:41:39		63.0	63.0
62.7	12:41:40		62.7	62.7
61.9	12:41:41		61.9	61.9
60.7	12:41:42		60.7	60.7
59.3	12:41:43		59.3	59.3
59.0	12:41:44		59.0	59.0
59.3	12:41:45		59.3	59.3
59.4	12:41:46		59.4	59.4
59.0	12:41:47		59.0	59.0
59.2	12:41:48		59.2	59.2
59.3	12:41:49		59.3	59.3
61.0	12:41:50		61.0	61.0
64.2	12:41:51		64.2	64.2
65.9	12:41:52		65.9	65.9
64.8	12:41:53		64.8	64.8
62.7	12:41:54		62.7	62.7
61.0	12:41:55		61.0	62.7
60.7	12:41:56		60.7	60.7
61.7	12:41:57		61.7	61.7
63.8	12:41:58		63.8	63.8
65.7	12:41:59		65.7	65.7
66.6	12:42:00		66.6	66.6
68.6	12:42:01		68.6	68.6
69.2	12:42:02		69.2	69.2
67.9	12:42:03		67.9	67.9
66.2	12:42:04		66.2	66.2
65.9	12:42:05		65.9	65.9
66.0	12:42:06		66.0	66.0
65.1	12:42:07		65.1	65.1
63.7	12:42:08		63.7	63.7

Site 2 - On South Side Approx 105 ft W of E Prop Line

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.2	12:47:22		58.2	58.2
57.7	12:47:23		57.7	57.7
58.3	12:47:24		58.3	58.3
57.4	12:47:25		57.4	57.4
56.1	12:47:26		56.1	56.1
55.5	12:47:27		55.5	55.5
56.0	12:47:28		56.0	56.0
55.7	12:47:29		55.7	55.7
57.2	12:47:30		57.2	57.2
57.7	12:47:31		57.7	57.7
56.3	12:47:32		56.3	56.3
56.5	12:47:33		56.5	56.5
60.0	12:47:34		60.0	60.0
59.6	12:47:35		59.6	59.6
59.4	12:47:36		59.4	59.4
60.1	12:47:37		60.1	60.1
59.1	12:47:38		59.1	59.1
59.2	12:47:39		59.2	59.2
59.0	12:47:40		59.0	59.0
58.1	12:47:41		58.1	58.1
57.3	12:47:42		57.3	57.3
58.1	12:47:43		58.1	58.1
58.1	12:47:44		58.1	58.1
58.2	12:47:45		58.2	58.2
59.2	12:47:46		59.2	59.2
60.2	12:47:47		60.2	60.2
60.8	12:47:48		60.8	60.8
60.2	12:47:49		60.2	60.2
59.2	12:47:50		59.2	59.2
59.2	12:47:51		59.2	59.2
60.2	12:47:52		60.2	60.2
59.5	12:47:53		59.5	59.5
58.6	12:47:54		58.6	58.6
59.3	12:47:55		59.3	59.3
59.8	12:47:56		59.8	59.8
60.0	12:47:57		60.0	60.0
60.9	12:47:58		60.9	60.9
61.2	12:47:59		61.2	61.2
61.0	12:48:00		61.0	61.0
60.7	12:48:01		60.7	60.7
59.7	12:48:02		59.7	59.7
58.4	12:48:03		58.4	58.4
57.4	12:48:04		57.4	57.4
56.5	12:48:05		56.5	56.5
57.9	12:48:06		57.9	57.9
59.5	12:48:07		59.5	59.5
57.6	12:48:08		57.6	57.6
55.7	12:48:09		55.7	55.7
55.8	12:48:10		55.8	55.8
55.7	12:48:11		55.7	55.7
56.8	12:48:12		56.8	56.8
56.7	12:48:13		56.7	56.7
56.5	12:48:14		56.5	56.5
55.5	12:48:15		55.5	55.5
56.3	12:48:16		56.3	56.3
58.8	12:48:17		58.8	58.8
59.1	12:48:18		59.1	59.1
59.3	12:48:19		59.3	59.3
60.8	12:48:20		60.8	60.8
59.7	12:48:21		59.7	59.7
57.9	12:48:22		57.9	57.9
55.4	12:48:23		55.4	55.4
53.3	12:48:24		53.3	53.3
53.6	12:48:25		53.6	53.6
55.8	12:48:26		55.8	55.8
57.7	12:48:27		57.7	57.7
56.5	12:48:28		56.5	56.5
55.5	12:48:29		55.5	55.5
55.0	12:48:30		55.0	55.0
56.4	12:48:31		56.4	56.4
59.5	12:48:32		59.5	59.5
60.3	12:48:33		60.3	60.3
59.3	12:48:34		59.3	59.3
59.7	12:48:35		59.7	59.7
60.0	12:48:36		60.0	60.0
61.0	12:48:37		61.0	61.0
60.8	12:48:38		60.8	60.8
60.9	12:48:39		60.9	60.9
61.5	12:48:40		61.5	61.5
60.2	12:48:41		60.2	60.2
59.5	12:48:42		59.5	59.5
60.6	12:48:43		60.6	60.6
61.9	12:48:44		61.9	61.9
62.6	12:48:45		62.6	62.6
62.2	12:48:46		62.2	62.2
61.9	12:48:47		61.9	61.9
60.3	12:48:48		60.3	60.3
59.0	12:48:49		59.0	59.0
58.2	12:48:50		58.2	58.2
59.3	12:48:51		59.3	59.3
58.9	12:48:52		58.9	58.9
59.5	12:48:53		59.5	59.5
60.7	12:48:54		60.7	60.7
59.5	12:48:55		59.5	59.5
57.4	12:48:56		57.4	57.4
56.5	12:48:57		56.5	56.5
56.2	12:48:58		56.2	56.2
56.8	12:48:59		56.8	56.8
58.1	12:49:00		58.1	58.1
60.5	12:49:01		60.5	60.5
61.5	12:49:02		61.5	61.5
59.8	12:49:03		59.8	59.8
58.2	12:49:04		58.2	58.2
56.2	12:49:05		56.2	56.2
53.2	12:49:06		53.2	53.2
51.6	12:49:07		51.6	51.6
53.8	12:49:08		53.8	53.8
55.5	12:49:09		55.5	55.5
57.9	12:49:10		57.9	57.9
58.9	12:49:11		58.9	58.9
59.6	12:49:12		59.6	59.6
61.0	12:49:13		61.0	61.0
62.5	12:49:14		62.5	62.5
63.1	12:49:15		63.1	63.1
62.4	12:49:16		62.4	62.4
62.5	12:49:17		62.5	62.5
61.5	12:49:18		61.5	61.5
61.0	12:49:19		61.0	61.0
60.7	12:49:20		60.7	60.7
61.3	12:49:21		61.3	61.3
60.9	12:49:22		60.9	60.9
59.9	12:49:23		59.9	59.9
59.7	12:49:24		59.7	59.7
59.7	12:49:25		59.7	59.7
60.2	12:49:26		60.2	60.2
60.6	12:49:27		60.6	60.6
58.4	12:49:28		58.4	58.4
57.9	12:49:29		57.9	57.9
58.3	12:49:30		58.3	58.3
58.9	12:49:31		58.9	58.9
58.2	12:49:32		58.2	58.2
59.5	12:49:33		59.5	59.5
59.5	12:49:34		59.5	59.5
58.4	12:49:35		58.4	58.4
57.2	12:49:36		57.2	57.2
57.0	12:49:37		57.0	57.0
56.9	12:49:38		56.9	56.9
57.3	12:49:39		57.3	57.3
56.3	12:49:40		56.3	56.3
56.8	12:49:41		56.8	56.8
57.6	12:49:42		57.6	57.6
58.1	12:49:43		58.1	58.1
58.9	12:49:44		58.9	58.9
59.4	12:49:45		59.4	59.4
58.2	12:49:46		58.2	58.2
58.9	12:49:47		58.9	58.9
60.6	12:49:48		60.6	60.6
61.7	12:49:49		61.7	61.7
62.7	12:49:50		62.7	62.7
62.4	12:49:51		62.4	62.4
61.8	12:49:52		61.8	61.8
61.9	12:49:53		61.9	61.9
61.8	12:49:54		61.8	61.8
62.4	12:49:55		62.4	62.4
64.4	12:49:56		64.4	64.4
63.9	12:49:57		63.9	63.9
61.9	12:49:58		61.9	61.9
60.7	12:49:59		60.7	60.7
59.4	12:50:00		59.4	59.4
58.6	12:50:01		58.6	58.6
59.7	12:50:02		59.7	59.7
59.9	12:50:03		59.9	59.9

Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.1	12:59:07		58.1	58.1
58.9	12:59:08		58.9	58.9
58.8	12:59:09		58.8	58.8
59.0	12:59:10		59.0	59.0
59.4	12:59:11		59.4	59.4
57.9	12:59:12		57.9	57.9
57.0	12:59:13		57.0	57.0
57.2	12:59:14		57.2	57.2
57.9	12:59:15		57.9	57.9
57.5	12:59:16		57.5	57.5
56.6	12:59:17		56.6	56.6
55.9	12:59:18		55.9	55.9
55.0	12:59:19		55.0	55.0
55.4	12:59:20		55.4	55.4
56.8	12:59:21		56.8	56.8
56.9	12:59:22		56.9	56.9
56.4	12:59:23		56.4	56.4
55.0	12:59:24		55.0	55.0
54.8	12:59:25		54.8	54.8
55.8	12:59:26		55.8	55.8
55.1	12:59:27		55.1	55.1
54.9	12:59:28		54.9	54.9
54.2	12:59:29		54.2	54.2
54.6	12:59:30		54.6	54.6
56.9	12:59:31		56.9	56.9
58.0	12:59:32		58.0	58.0
56.7	12:59:33		56.7	56.7
59.2	12:59:34		59.2	59.2
57.3	12:59:35		57.3	57.3
55.7	12:59:36		55.7	55.7
55.8	12:59:37		55.8	55.8
57.5	12:59:38		57.5	57.5
57.7	12:59:39		57.7	57.7
57.9	12:59:40		57.9	57.9
58.0	12:59:41		58.0	58.0
56.3	12:59:42		56.3	56.3
55.5	12:59:43		55.5	55.5
55.3	12:59:44		55.3	55.3
54.4	12:59:45		54.4	54.4
53.8	12:59:46		53.8	53.8
53.5	12:59:47		53.5	53.5
54.1	12:59:48		54.1	54.1
54.1	12:59:49		54.1	54.1
55.4	12:59:50		55.4	55.4
56.3	12:59:51		56.3	56.3
56.5	12:59:52		56.5	56.5
56.5	12:59:53		56.5	56.5
56.9	12:59:54		56.9	56.9
57.3	12:59:55		57.3	57.3
56.2	12:59:56		56.2	56.2
58.0	12:59:57		58.0	58.0
57.8	12:59:58		57.8	57.8
57.9	12:59:59		57.9	57.9
57.4	13:00:00		57.4	57.4
57.1	13:00:01		57.1	57.1
56.9	13:00:02		56.9	56.9
57.3	13:00:03		57.3	57.3
57.3	13:00:04		57.3	57.3
58.2	13:00:05		58.2	58.2
59.0	13:00:06		59.0	59.0
58.8	13:00:07		58.8	58.8
58.7	13:00:08		58.7	58.7
58.3	13:00:09		58.3	58.3
57.1	13:00:10		57.1	57.1
56.6	13:00:11		56.6	56.6
57.2	13:00:12		57.2	57.2
57.4	13:00:13		57.4	57.4
56.5	13:00:14		56.5	56.5
56.2	13:00:15		56.2	56.2
57.2	13:00:16		57.2	57.2
57.5	13:00:17		57.5	57.5
57.1	13:00:18		57.1	57.1
56.3	13:00:19		56.3	56.3
55.3	13:00:20		55.3	55.3
54.4	13:00:21		54.4	54.4
55.0	13:00:22		55.0	55.0
55.5	13:00:23		55.5	55.5
55.4	13:00:24		55.4	55.4
56.9	13:00:25		56.9	56.9
57.4	13:00:26		57.4	57.4
57.1	13:00:27		57.1	57.1
57.4	13:00:28		57.4	57.4
57.1	13:00:29		57.1	57.1
57.0	13:00:30		57.0	57.0
57.3	13:00:31		57.3	57.3
57.6	13:00:32		57.6	57.6
57.5	13:00:33		57.5	57.5
58.1	13:00:34		58.1	58.1
58.8	13:00:35		58.8	58.8
59.2	13:00:36		59.2	59.2
59.7	13:00:37		59.7	59.7
60.0	13:00:38		60.0	60.0
60.3	13:00:39		60.3	60.3
60.4	13:00:40		60.4	60.4
59.9	13:00:41		59.9	59.9
58.6	13:00:42		58.6	58.6
58.5	13:00:43		58.5	58.5
58.7	13:00:44		58.7	58.7
58.0	13:00:45		58.0	58.0
57.1	13:00:46		57.1	57.1
56.3	13:00:47		56.3	56.3
55.0	13:00:48		55.0	55.0
54.4	13:00:49		54.4	54.4
53.7	13:00:50		53.7	53.7
53.3	13:00:51		53.3	53.3
52.5	13:00:52		52.5	52.5
52.3	13:00:53		52.3	52.3
52.8	13:00:54		52.8	52.8
52.9	13:00:55		52.9	52.9
53.7	13:00:56		53.7	53.7
53.8	13:00:57		53.8	53.8
54.2	13:00:58		54.2	54.2
55.3	13:00:59		55.3	55.3
55.2	13:01:00		55.2	55.2
55.8	13:01:01		55.8	55.8
55.9	13:01:02		55.9	55.9
56.7	13:01:03		56.7	56.7
56.9	13:01:04		56.9	56.9
56.7	13:01:05		56.7	56.7
56.5	13:01:06		56.5	56.5
56.6	13:01:07		56.6	56.6
57.7	13:01:08		57.7	57.7
58.4	13:01:09		58.4	58.4
58.2	13:01:10		58.2	58.2
58.3	13:01:11		58.3	58.3
57.2	13:01:12		57.2	57.2
56.6	13:01:13		56.6	56.6
56.8	13:01:14		56.8	56.8
56.9	13:01:15		56.9	56.9
57.4	13:01:16		57.4	57.4
57.2	13:01:17		57.2	57.2
56.6	13:01:18		56.6	56.6
56.1	13:01:19		56.1	56.1
56.4	13:01:20		56.4	56.4
56.4	13:01:21		56.4	56.4
57.0	13:01:22		57.0	57.0
56.6	13:01:23		56.6	56.6
56.5	13:01:24		56.5	56.5
56.6	13:01:25		56.6	56.6
56.3	13:01:26		56.3	56.3
57.0	13:01:27		57.0	57.0
57.5	13:01:28		57.5	57.5
57.7	13:01:29		57.7	57.7
57.8	13:01:30		57.8	57.8
58.3	13:01:31		58.3	58.3
58.7	13:01:32		58.7	58.7
58.4	13:01:33		58.4	58.4
58.3	13:01:34		58.3	58.3
58.2	13:01:35		58.2	58.2
56.8	13:01:36		56.8	56.8
55.9	13:01:37		55.9	55.9
55.2	13:01:38		55.2	55.2
55.1	13:01:39		55.1	55.1
56.1	13:01:40		56.1	56.1
56.2	13:01:41		56.2	56.2
55.5	13:01:42		55.5	55.5
54.7	13:01:43		54.7	54.7
54.1	13:01:44		54.1	54.1
56.5	13:01:45		56.5	56.5
56.9	13:01:46		56.9	56.9
55.2	13:01:47		55.2	55.2
54.7	13:01:48		54.7	54.7

Site 1 - On North Prop Line Approx 55 ft West of NE Corner					Site 2 - On South Side Approx 105 ft W of E Prop Line					Site 3 - Middle of Project Approx 350 ft N of Linnel Rd CL				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
62.4	12:42:09		62.4	62.4	58.6	12:50:04		58.6	58.6	57.4	13:01:49		57.4	57.4
61.2	12:42:10		61.2	61.2	57.5	12:50:05		57.5	57.5	57.1	13:01:50		57.1	57.1
60.5	12:42:11		60.5	60.5	58.8	12:50:06		58.8	58.8	56.7	13:01:51		56.7	56.7
59.6	12:42:12		59.6	59.6	58.9	12:50:07		58.9	58.9	56.7	13:01:52		56.7	56.7
58.5	12:42:13		58.5	58.5	57.8	12:50:08		57.8	57.8	56.8	13:01:53		56.8	56.8
58.0	12:42:14		58.0	58.0	57.9	12:50:09		57.9	57.9	56.7	13:01:54		56.7	56.7
57.9	12:42:15		57.9	57.9	58.3	12:50:10		58.3	58.3	56.6	13:01:55		56.6	56.6
57.6	12:42:16		57.6	57.6	57.8	12:50:11		57.8	57.8	56.7	13:01:56		56.7	56.7
57.5	12:42:17		57.5	57.5	58.1	12:50:12		58.1	58.1	57.1	13:01:57		57.1	57.1
56.5	12:42:18		56.5	56.5	59.6	12:50:13		59.6	59.6	57.3	13:01:58		57.3	57.3
56.6	12:42:19		56.6	56.6	59.9	12:50:14		59.9	59.9	57.9	13:01:59		57.9	57.9
56.7	12:42:20		56.7	56.7	59.4	12:50:15		59.4	59.4	57.7	13:02:00		57.7	57.7
57.0	12:42:21		57.0	57.0	60.8	12:50:16		60.8	60.8	57.1	13:02:01		57.1	57.1
56.0	12:42:22		56.0	56.0	61.4	12:50:17		61.4	61.4	56.9	13:02:02		56.9	56.9
56.0	12:42:23		56.0	56.0	60.7	12:50:18		60.7	60.7	56.7	13:02:03		56.7	56.7
56.6	12:42:24		56.6	56.6	60.3	12:50:19		60.3	60.3	56.8	13:02:04		56.8	56.8
57.2	12:42:25		57.2	57.2	61.1	12:50:20		61.1	61.1	57.6	13:02:05		57.6	57.6
58.5	12:42:26		58.5	58.5	61.3	12:50:21		61.3	61.3	57.8	13:02:06		57.8	57.8
59.4	12:42:27		59.4	59.4	61.2	12:50:22		61.2	61.2	56.2	13:02:07		56.2	56.2
59.1	12:42:28		59.1	59.1	61.3	12:50:23		61.3	61.3	55.3	13:02:08		55.3	55.3
57.3	12:42:29		57.3	57.3	61.2	12:50:24		61.2	61.2	55.8	13:02:09		55.8	55.8
56.1	12:42:30		56.1	56.1	61.9	12:50:25		61.9	61.9	55.5	13:02:10		55.5	55.5
56.8	12:42:31		56.8	56.8	61.6	12:50:26		61.6	61.6	55.0	13:02:11		55.0	55.0
57.9	12:42:32		57.9	57.9	60.4	12:50:27		60.4	60.4	54.3	13:02:12		54.3	54.3
59.2	12:42:33		59.2	59.2	59.0	12:50:28		59.0	59.0	54.1	13:02:13		54.1	54.1
59.6	12:42:34		59.6	59.6	59.8	12:50:29		59.8	59.8	54.3	13:02:14		54.3	54.3
59.9	12:42:35		59.9	59.9	60.5	12:50:30		60.5	60.5	56.5	13:02:15		56.5	56.5
59.8	12:42:36		59.8	59.8	59.8	12:50:31		59.8	59.8	57.6	13:02:16		57.6	57.6
59.7	12:42:37		59.7	59.7	57.4	12:50:32		57.4	57.4	56.3	13:02:17		56.3	56.3
59.8	12:42:38		59.8	59.8	55.1	12:50:33		55.1	55.1	56.0	13:02:18		56.0	56.0
60.3	12:42:39		60.3	60.3	54.3	12:50:34		54.3	54.3	55.0	13:02:19		55.0	55.0
60.6	12:42:40		60.6	60.6	56.5	12:50:35		56.5	56.5	54.3	13:02:20		54.3	54.3
61.0	12:42:41		61.0	61.0	59.7	12:50:36		59.7	59.7	54.1	13:02:21		54.1	54.1
61.1	12:42:42		61.1	61.1	63.0	12:50:37		63.0	63.0	53.8	13:02:22		53.8	53.8
62.0	12:42:43		62.0	62.0	65.1	12:50:38		65.1	65.1	53.5	13:02:23		53.5	53.5
62.6	12:42:44		62.6	62.6	65.3	12:50:39		65.3	65.3	55.4	13:02:24		55.4	55.4
62.7	12:42:45		62.7	62.7	65.2	12:50:40		65.2	65.2	55.5	13:02:25		55.5	55.5
62.9	12:42:46		62.9	62.9	62.9	12:50:41		62.9	62.9	55.8	13:02:26		55.8	55.8
62.5	12:42:47		62.5	62.5	60.7	12:50:42		60.7	60.7	56.8	13:02:27		56.8	56.8
61.6	12:42:48		61.6	61.6	59.8	12:50:43		59.8	59.8	57.5	13:02:28		57.5	57.5
60.5	12:42:49		60.5	60.5	60.3	12:50:44		60.3	60.3	57.5	13:02:29		57.5	57.5
59.8	12:42:50		59.8	59.8	58.8	12:50:45		58.8	58.8	58.9	13:02:30		58.9	58.9
60.0	12:42:51		60.0	60.0	57.1	12:50:46		57.1	57.1	59.5	13:02:31		59.5	59.5
60.1	12:42:52		60.1	60.1	57.7	12:50:47		57.7	57.7	58.6	13:02:32		58.6	58.6
60.1	12:42:53		60.1	60.1	59.6	12:50:48		59.6	59.6	58.7	13:02:33		58.7	58.7
60.2	12:42:54		60.2	60.2	59.2	12:50:49		59.2	59.2	58.0	13:02:34		58.0	58.0
61.3	12:42:55		61.3	61.3	58.1	12:50:50		58.1	58.1	57.5	13:02:35		57.5	57.5
62.3	12:42:56		62.3	62.3	58.2	12:50:51		58.2	58.2	56.6	13:02:36		56.6	56.6
61.9	12:42:57		61.9	61.9	59.9	12:50:52		59.9	59.9	55.8	13:02:37		55.8	55.8
61.2	12:42:58		61.2	61.2	60.7	12:50:53		60.7	60.7	55.4	13:02:38		55.4	55.4
60.3	12:42:59		60.3	60.3	59.7	12:50:54		59.7	59.7	55.9	13:02:39		55.9	55.9
59.1	12:43:00		59.1	59.1	59.2	12:50:55		59.2	59.2	55.2	13:02:40		55.2	55.2
58.8	12:43:01		58.8	58.8	59.0	12:50:56		59.0	59.0	55.0	13:02:41		55.0	55.0
60.1	12:43:02		60.1	60.1	57.7	12:50:57		57.7	57.7	55.3	13:02:42		55.3	55.3
64.7	12:43:03		64.7	64.7	57.0	12:50:58		57.0	57.0	54.7	13:02:43		54.7	54.7
67.1	12:43:04		67.1	67.1	57.9	12:50:59		57.9	57.9	54.6	13:02:44		54.6	54.6
67.6	12:43:05		67.6	67.6	59.2	12:51:00		59.2	59.2	54.7	13:02:45		54.7	54.7
66.6	12:43:06		66.6	66.6	58.7	12:51:01		58.7	58.7	54.9	13:02:46		54.9	54.9
64.9	12:43:07		64.9	64.9	58.2	12:51:02		58.2	58.2	55.3	13:02:47		55.3	55.3
63.2	12:43:08		63.2	63.2	59.3	12:51:03		59.3	59.3	55.5	13:02:48		55.5	55.5
61.8	12:43:09		61.8	61.8	60.0	12:51:04		60.0	60.0	55.8	13:02:49		55.8	55.8
61.6	12:43:10		61.6	61.6	60.1	12:51:05		60.1	60.1	55.7	13:02:50		55.7	55.7
61.6	12:43:11		61.6	61.6	59.7	12:51:06		59.7	59.7	55.2	13:02:51		55.2	55.2
61.7	12:43:12		61.7	61.7	61.3	12:51:07		61.3	61.3	55.4	13:02:52		55.4	55.4
61.8	12:43:13		61.8	61.8	62.4	12:51:08		62.4	62.4	56.0	13:02:53		56.0	56.0
62.1	12:43:14		62.1	62.1	63.7	12:51:09		63.7	63.7	55.9	13:02:54		55.9	55.9
61.7	12:43:15		61.7	61.7	64.9	12:51:10		64.9	64.9	55.7	13:02:55		55.7	55.7
61.2	12:43:16		61.2	61.2	65.2	12:51:11		65.2	65.2	54.9	13:02:56		54.9	54.9
61.3	12:43:17		61.3	61.3	62.8	12:51:12		62.8	62.8	55.2	13:02:57		55.2	55.2
61.1	12:43:18	63.0	61.1	61.1	60.4	12:51:13	60.5	60.4	60.4	55.1	13:02:58	57.7	55.1	55.1
60.0	12:43:19	63.0	60.0	60.0	59.2	12:51:14	60.5	59.2	59.2	55.5	13:02:59	57.7	55.5	55.5
59.3	12:43:20	63.0	59.3	59.3	59.8	12:51:15	60.5	59.8	59.8	56.0	13:03:00	57.7	56.0	56.0
58.8	12:43:21	63.0	58.8	58.8	61.5	12:51:16	60.5	61.5	61.5	56.8	13:03:01	57.7	56.8	56.8
58.8	12:43:22	63.0	58.8	58.8	61.6	12:51:17	60.5	61.6	61.6	57.0	13:03:02	57.7	57.0	57.0
59.3	12:43:23	63.0	59.3	59.3	60.7	12:51:18	60.5	60.7	60.7	56.3	13:03:03	57.7	56.3	56.3
60.1	12:43:24	63.0	60.1	60.1	59.0	12:51:19	60.5	59.0	59.0	55.7	13:03:04	57.6	55.7	55.7
61.0	12:43:25	63.0	61.0	61.0	60.0	12:51:20	60.5	60.0	60.0	55.8	13:03:05	57.6	55.8	55.8
61.7	12:43:26	63.0	61.7	61.7	62.0	12:51:21	60.5	62.0	62.0	56.6	13:03:06	57.6	56.6	56.6
62.2	12:43:27	63.0	62.2	62.2	61.2	12:51:22	60.5	61.2	61.2	57.4	13:03:07	57.6	57.4	57.4
62.6	12:43:28	63.0	62.6	62.6	61.5	12:51:23	60.5	61.5	61.5	57.8	13:03:08	57.6	57.8	57.8
63.2	12:43:29	63.0	63.2	63.2	59.8	12:51:24	60.5	59.8	59.8	58.1	13:03:09	57.6	58.1	58.1
64.7	12:43:30	63.0	64.7	64.7	57.9	12:51:25	60.5	57.9	57.9	57.9	13:03:10	57.6	57.9	57.9
64.9	12:43:31	63.0	64.9	64.9	56.9	12:51:26	60.5	56.9	56.9	58.3	13:03:11	57.6	58.3	58.3
63.9	12:43:32	63.0	63.9	63.9	57.2	12:51:27	60.5	57.2	57.2	57.6	13:03:12	57.6	57.6	57.6
64.3	12:43:33	63.0	64.3	64.3	57.5	12:51:28	60.5	57.5	57.5	57.7	13:03:13	57.6	57.7	57.7
66.2	12:43:34	63.0	66.2	66.2	57.6	12:51:29	60.5	57.6	57.6	58.7	13:03:14	57.6	58.7	58.7
67.5	12:43:35	63.0	67.5	67.5	56.9	12:51:30	60.5	56.9	56.9	59.3	13:03:15	57.6	59.3	59.3
66.4	12:43:36	63.0	66.4	66.4	56.3	12:51:31	60.5	56.3	56.3	58.8	13:03:16	57.6	58.8	58.8
64.6	12:43:37	63.0	64.6	64.6	56.2	12:51:32	60.5	56.2	56.2	57.9	13:03:17	57.6	57.9	57.9
63.6	12:43:38	63.0	63.6	63.6	57.4	12:51:33	60.5	57.4	57.4	57.2	13:03:18	57.6	57.2	57.2
63.3	12:43:39	63.0	63.3	63.3	57.8	12:51:34	60.5	57.8	57.8	56.8	13:03:19	57.6	56.8	56.8
62.4	12:43:40	63.0	62.4	62.4	57.9	12:51:35	60.5	57.9	57.9	57.2	13:03:20	57.6	57.2	57.2
61.3	12:43:41	63.0	61.3	61.3	61.3	12:51:36	60.5	61.3	61.3	57.8	13:03:21	57.6	57.8	57.8
60.6	12:43:42	63.0	60.6	60.6	64.4	12:51:37	60.5	64.4	64.4	57.7	13:03:22	57.6	57.7	57.7
60.2	12:43:43	63.0	60.2	60.2	64.2	12:51:38	60.5	64.2	64.2	57.0	13:03:23	57.6	57.0	57.0
60.2	12:43:44	63.0	60.2	60.2	63.0	12:51:39	60.5	63.0	63.0	57.0	13:03:24	57.6	57.0	57.0
60.8	12:43:45	63.0	60.8	60.8	62.0	12:51:40	60.5	62.0	62.0	57.4	13:03:25	57.6	57.4	57.4
61.2	12:43:46	63.0	61.2	61.2	61.1	12:51:41	60.5	61.1	61.1	57.4	13:03:26	57.6	57.4	57.4
61.7	12:43:47	63.0	61.7	61.7	59.0	12:51:42	60.5	59.0	59.0	58.0	13:03:27	57.6	58.0	58.0
61.8	12:43:48	63.0	61.8	61.8	58.0	12:51:43	60.4	58.0	58.0	59.4	13:03:28	57.6	59.4	59.4
62.2	12:43:49	63.0	62.2	62.2	59.2	12:51:44	60.4	59.2	59.2	59.0	13:03:29	57.6	59.0	59.0
62.6	12:43:50	63.0	62.6	62.6	60.1	12:51:45	60.4	60.1	60.1	59.4	13:03:30	57.6	59.4	59.4
63.4	12:43:51	63.0	63.4	63.4	59.9	12:51:46	60.4	59.9	59.9	59.7	13:03:31	57.6	59.7	59.7
65.4	12:43:52	63.0	65.4	65.4	60.3	12:51:47	60.4	60.3	60.3	58.8	13:03:32	57.6	58.8	58.8
67.5	12:43:53	63.0	67.5	67.5	60.1	12:51:48	60.4	60.1	60.1	58.3	13:03:33	57.6	58.3	58.3
67.3	12:43:54	63.0	67.3	67.3	60.6	12:51:49	60.4	60.6	60.6	58.3	13:03:34	57.6	58.3	58.3
66.5	12:43:55	63.0	66.5	66.5	62.4	12:51:50	60.4	62.4	62.4	58.2	13:03:35	57.6	58.2	58.2
65.9	12:43:56	63.0	65.9	65.9	62.1	12:51:51	60.4	62.1	62.1	57.7	13:03:36	57.5	57.7	57.7
65.0	12:43:57	63.0	65.0	65.0	60.8	12:51:52	60.4	60.8	60.8	57.1	13:03:37	57.5	57.1	57.1
64.0	12:43:58	63.0	64.0	64.0	60.4	12:51:53	60.4	60.4	60.4	56.4	13:03:38	57.5	56.4	56.4
62.9	12:43:59	63.0	62.9	62.9	61.9	12:51:54	60.4	61.9	61.9	55.3	13:03:39	57.5	55.3	55.3
61.8	12:44:00	62.9	61.8	61.8	61.4	12:51:55	60.4	61.4	61.4	54.6	13:03:40	57.5	54.6	54.6
62.2	12:44:01	62.9	62.2	62.2	58.5	12:51:56	60.4	58.5	58.5	54.1	13:03:41	57.5	54.1	54.1
64.0	12:44:02	62.9	64.0	64.0	56.2	12:51:57	60.4	56.2	56.2	53.9	13:03:42	57.5	53.9	53.9
64.5	12:44:03	62.9	64.5	64.5	57.1	12:51:58	60.4	57.1	57.1	55.2	13:03:43	57.5	55.2	55.2
63.5	12:44:04	62.9	63.5	63.5	59.4	12:51:59	60.4	59.4	59.4	55.4	13:03:44	57.5	55.4	55.4
62.0	12:44:05	62.9	62.0	62.0	60.0	12:52:00	60.4	60.0	60.0	54.7	13:03:45	57.5	54.7	54.7
60.6	12:44:06	62.9	60.6	60.6	58.5	12:52:01	60.4	58.5	58.5	54.4	13:03:46	57.5	54.4	54.4
59.7	12:44:07	62.9	59.7	59.7	57.3	12:52:02	60.4	57.3	57.3	54.7	13:03:47	57.5	54.7	54.7
58.7	12:44:08	62.9	58.7	58.7	57.8	12:52:03	60.4	57.8	57.8	56.7	13:03:48	57.5	56.7	56.7
57.7	12:44:09	62.9	57.7	57.7	58.6	12:52:04	60.4	58.6	58.6	57.1	13:03:49	57.5	57.1	57.1
56.8	12:44:10	62.9	56.8	56.8	60.8	12:52:05	60.4	60.8	60.8	56.9	13:03:50	57.5	56.9	56.9
56.7	12:44:11	62.9	56.7	56.7	61.5	12:52:06	60.4	61.5	61.5	56.3	13:03:51	57.5	56.3	56.3
57.7	12:44:12	62.9	57.7	57.7	61.4	12:52:07	60.4	61.4	61.4	56.1	13:03:52	57.5	56.1	56.1
58.2	12:44:13	62.9	58.2	58.2	60.1	12:52:08	60.4	60.1	60.1	56.9	13:03:53	57.5	56.9	56.9
57.9	12:44:14	62.9	57.9	57.9	57.8	12:52:09	60.4	57.8	57.8	57.6	13:03:54	57.5	57.6	57.6
57.4	12:44:15	62.9	57.4	57.4	55.5	12:52:10	60.4	55.5	55.5	57.6	13:03:55	57.5	57.6	57.6
56.6	12:44:16	62.9	56.6	56.6	55.3	12:52:11	60.4	55.3	55.3	58.0	13:03:56	57.5	58.0	58.0
55.7	12:44:17	62.9	55.7	55.7	56.6	12:52:12	60.4	56.6	56.6	58.3	13:03:57	57.5	58.3	58.3
55.5	12:44:18	62.9	55.5	55.5	58.1	12:52:13	60.4	58.1	58.1	58.6	13:03:58	57.5	58.6	58.6
55.6	12:44:19	62.9	55.6	55.6	57.1	12:52:14	60.4	57.1	57.1	58.0	13:03:59	57.5	58.0	58.0
55.9	12:44:20	62.9	55.9	55.9	56.2	12:52:15	60.4	56.2	56.2	57.5	13:04:00	57.5	57.5	57.5
54.6	12:44:21	62.9	54.6	54.6	57.2	12:52:16	60.4	57.2	57.2	56.7	13:04:01	57.6	56.7	56.7
53.7	12:44:22	62.9	53.7	53.7	58.5	12:52:17	60.4	58.5	58.5	56.0	13:04:02	57.6	56.0	56.0
53.4	12:44:23	62.9	53.4	53.4	58.6	12:52:18	60.4	58.6	58.6	55.6	13:04:03	57.6	55.6	55.6
55.0	12:44:24	62.9	55.0	55.0	57.8	12:52:19	60.4	57.8	57.8	55.2	13:04:04	57.6	55.2	55.2
56.0	12:44:25	63.0	56.0	56.0	56.9	12:52:20	60.4	56.9	56.9	54.6	13:04:05	57.6	54.6	54.6
57.0	12:44:26	63.0	57.0	57.0	56.3	12:52:21	60.4	56.3	56.3	54.0	13:04:06	57.6	54.0	54.0
58.9	12:44:27	63.0	58.9	58.9	55.8	12:52:22	60.4	55.8	55.8	53.6	13:04:07	57.6	53.6	53.6
59.3	12:44:28	63.0	59.3	59.3	55.4	12:52:23	60.4	55.4	55.4	53.0	13:04:08	57.5	53.0	53.0
59.8	12:44:29	63.0	59.8	59.8	57.2	12:52:24	60.4	57.2	57.2	53.1	13:04:09	57.5	53.1	53.1
60.3	12:44:30	63.0	60.3	60.3	57.9	12:52:25	60.4	57.9	57.9	53.5	13:04:10	57.5	53.5	53.5
59.5	12:44:31	63.0	59.5	59.5	58.0	12:52:26	60.4	58.0	58.0	54.1	13:04:11	57.5	54.1	54.1
59.9	12:44:32	63.0	59.9	59.9	57.1	12:52:27	60.3	57.1	57.1	54.4	13:04:12	57.5	54.4	54.4
60.6	12:44:33	63.0	60.6	60.6	58.4	12:52:28	60.3	58.4	58.4	54.8	13:04:13	57.5	54.8	54.8
62.7	12:44:34	63.0	62.7	62.7	59.3	12:52:29	60.3	59.3	59.3	55.5	13:04:14	57.5	55.5	55.5
66.8	12:44:35	63.0	66.8	66.8	58.3	12:52:30	60.3	58.3	58.3	55.3	13:04:15	57.5	55.3	55.3
68.8	12:44:36	63.0	68.8	68.8	58.5	12:52:31	60.3	58.5	58.5	55.6	13:04:16	57.5	55.6	55.6
68.2	12:44:37	63.0	68.2	68.2	59.7	12:52:32	60.3	59.7	59.7	56.1	13:04:17	57.5	56.1	56.1
67.3	12:44:38	63.0	67.3	67.3	61.5	12:52:33	60.3	61.5	61.5	55.9	13:04:18	57.5	55.9	55.9
65.8	12:44:39	63.0	65.8	65.8	59.4	12:52:34	60.3	59.4	59.4	55.8	13:04:19	57.5	55.8	55.8
65.1	12:44:40	63.0	65.1	65.1	56.4	12:52:35	60.3	56.4	56.4	55.8	13:04:20	57.5	55.8	55.8
64.7	12:44:41	63.0	64.7	64.7	53.3	12:52:36	60.3	53.3	53.3	56.3	13:04:21	57.5	56.3	56.3
63.1	12:44:42	63.0	63.1	63.1	51.2	12:52:37	60.3	51.2	51.2	56.6	13:04:22	57.5	56.6	56.6
61.2	12:44:43	63.0	61.2	61.2	51.5	12:52:38	60.3	51.5	51.5	56.6	13:04:23	57.5	56.6	56.6
59.4	12:44:44	63.0	59.4	59.4	54.1	12:52:39	60.3	54.1	54.1	56.7	13:04:24	57.5	56.7	56.7
58.2	12:44:45	63.0	58.2	58.2	58.6	12:52:40	60.3	58.6	58.6	56.7	13:04:25	57.5	56.7	56.7
58.8	12:44:46	63.0	58.8	58.8	61.7	12:52:41	60.3	61.7	61.7	55.7	13:04:26	57.5	55.7	55.7
60.5	12:44:47	63.0	60.5	60.5	61.5	12:52:42	60.3	61.5	61.5	55.6	13:04:27	57.5	55.6	55.6
62.7	12:44:48	63.0	62.7	62.7	60.2	12:52:43	60.3	60.2	60.2	56.4	13:04:28	57.5	56.4	56.4
64.7	12:44:49	63.0	64.7	64.7	58.2	12:52:44	60.3	58.2	58.2	56.9	13:04:29	57.5	56.9	56.9
65.5	12:44:50	63.0	65.5	65.5	57.6	12:52:45	60.3	57.6	57.6	57.3	13:04:30	57.5	57.3	57.3

APPENDIX C

RCNM Model Construction Noise Calculation Printouts

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Site Preparation

				---- Receptor #1 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Business	Commercial	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	80	0
Dozer	No	40		81.7	130	0
Dozer	No	40		81.7	180	0
Tractor	No	40	84		230	0
Tractor	No	40	84		280	0
Tractor	No	40	84		330	0
Tractor	No	40	84		380	0

		Calculated (dBA)		Results			
				Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer		77.6	73.6	N/A	N/A	N/A	N/A
Dozer		73.4	69.4	N/A	N/A	N/A	N/A
Dozer		70.5	66.6	N/A	N/A	N/A	N/A
Tractor		70.7	66.8	N/A	N/A	N/A	N/A
Tractor		69.0	65.1	N/A	N/A	N/A	N/A
Tractor		67.6	63.6	N/A	N/A	N/A	N/A
Tractor		66.4	62.4	N/A	N/A	N/A	N/A
	Total	**78**	**77**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Site Preparation

				---- Receptor #2 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Home	Residential	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	400	0
Dozer	No	40		81.7	450	0
Dozer	No	40		81.7	500	0
Tractor	No	40.0	84		550	0
Tractor	No	40.0	84		600	0
Tractor	No	40.0	84		650	0
Tractor	No	40.0	84		700	0

		Calculated (dBA)		Results	Noise Limits (dBA)		
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer		63.6	59.6	N/A	N/A	N/A	N/A
Dozer		62.6	58.6	N/A	N/A	N/A	N/A
Dozer		61.7	57.7	N/A	N/A	N/A	N/A
Tractor		63.2	59.2	N/A	N/A	N/A	N/A
Tractor		62.4	58.4	N/A	N/A	N/A	N/A
Tractor		61.7	57.7	N/A	N/A	N/A	N/A
Tractor		61.1	57.1	N/A	N/A	N/A	N/A
	Total	**64**	**67**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Business	Commercial	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	80	0
Excavator	No	40		80.7	130	0
Grader	No	40	85		180	0
Dozer	No	40		81.7	230	0
Scraper	No	40		83.6	280	0
Scraper	No	40		83.6	330	0
Tractor	No	40	84		380	0
Tractor	No	40	84		430	0

		Results					
		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		76.6	72.6	N/A	N/A	N/A	N/A
Excavator		72.4	68.4	N/A	N/A	N/A	N/A
Grader		73.9	69.9	N/A	N/A	N/A	N/A
Dozer		68.4	64.4	N/A	N/A	N/A	N/A
Scraper		68.6	64.6	N/A	N/A	N/A	N/A
Scraper		67.2	63.2	N/A	N/A	N/A	N/A
Tractor		66.4	62.4	N/A	N/A	N/A	N/A
Tractor		65.3	61.3	N/A	N/A	N/A	N/A
	Total	**77**	**77**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Grading

				---- Receptor #2 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Home	Residential	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	400	0
Excavator	No	40		80.7	450	0
Grader	No	40	85		500	0
Dozer	No	40		81.7	550	0
Scraper	No	40		83.6	600	0
Scraper	No	40		83.6	650	0
Tractor	No	40	84		700	0
Tractor	No	40	84		750	0

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	62.6	58.7	N/A	N/A	N/A	N/A
Excavator	61.6	57.6	N/A	N/A	N/A	N/A
Grader	65.0	61.0	N/A	N/A	N/A	N/A
Dozer	60.8	56.9	N/A	N/A	N/A	N/A
Scraper	62.0	58.0	N/A	N/A	N/A	N/A
Scraper	61.3	57.3	N/A	N/A	N/A	N/A
Tractor	61.1	57.1	N/A	N/A	N/A	N/A
Tractor	60.5	56.5	N/A	N/A	N/A	N/A
Total	**65**	**67**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Building Construction

					---- Receptor #1 ----			
		Baselines (dBA)						
Description	Land Use	Daytime		Evening	Night			
Nearest Business	Commercial	58.7		58.7	52.1			

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	320	0
Gradall	No	40		83.4	370	0
Gradall	No	40		83.4	420	0
Gradall	No	40		83.4	470	0
Generator	No	50		80.6	520	0
Tractor	No	40	84		570	0
Tractor	No	40	84		620	0
Tractor	No	40	84		670	0
Welder / Torch	No	40		74	720	0

		Calculated (dBA)		Results			
				Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane		64.4	56.5	N/A	N/A	N/A	N/A
Gradall		66.0	62.0	N/A	N/A	N/A	N/A
Gradall		64.9	60.9	N/A	N/A	N/A	N/A
Gradall		63.9	60.0	N/A	N/A	N/A	N/A
Generator		60.3	57.3	N/A	N/A	N/A	N/A
Tractor		62.9	58.9	N/A	N/A	N/A	N/A
Tractor		62.1	58.2	N/A	N/A	N/A	N/A
Tractor		61.5	57.5	N/A	N/A	N/A	N/A
Welder / Torch		50.8	46.9	N/A	N/A	N/A	N/A
	Total	**66**	**68**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Building Construction

				---- Receptor #2 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Home	Residential	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	880	0
Gradall	No	40		83.4	930	0
Gradall	No	40		83.4	980	0
Gradall	No	40		83.4	1030	0
Generator	No	50		80.6	1080	0
Tractor	No	40	84		1130	0
Tractor	No	40	84		1180	0
Tractor	No	40	84		1230	0
Welder / Torch	No	40		74	1280	0

		Calculated (dBA)		Results			
				Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane		55.6	47.7	N/A	N/A	N/A	N/A
Gradall		58.0	54.0	N/A	N/A	N/A	N/A
Gradall		57.6	53.6	N/A	N/A	N/A	N/A
Gradall		57.1	53.1	N/A	N/A	N/A	N/A
Generator		53.9	50.9	N/A	N/A	N/A	N/A
Tractor		56.9	52.9	N/A	N/A	N/A	N/A
Tractor		56.5	52.6	N/A	N/A	N/A	N/A
Tractor		56.2	52.2	N/A	N/A	N/A	N/A
Welder / Torch		45.8	41.9	N/A	N/A	N/A	N/A
	Total	**58**	**62**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Paving

				---- Receptor #1 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Business	Commercial	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	80	0
Paver	No	50		77.2	130	0
Paver	No	50		77.2	180	0
Paver	No	50		77.2	230	0
Roller	No	20		80	280	0
Roller	No	20		80	330	0

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	73.1	70.1	N/A	N/A	N/A	N/A
Paver	68.9	65.9	N/A	N/A	N/A	N/A
Paver	66.1	63.1	N/A	N/A	N/A	N/A
Paver	64.0	61.0	N/A	N/A	N/A	N/A
Roller	65.0	58.0	N/A	N/A	N/A	N/A
Roller	63.6	56.6	N/A	N/A	N/A	N/A
Total	**73**	**73**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Paving

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Home	Residential	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	400	0
Paver	No	50		77.2	450	0
Paver	No	50		77.2	500	0
Paver	No	50		77.2	550	0
Roller	No	20		80	600	0
Roller	No	20		80	650	0

Equipment		Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Day Leq	Evening Lmax	Evening Leq
Paver		59.2	56.1	N/A	N/A	N/A	N/A
Paver		58.1	55.1	N/A	N/A	N/A	N/A
Paver		57.2	54.2	N/A	N/A	N/A	N/A
Paver		56.4	53.4	N/A	N/A	N/A	N/A
Roller		58.4	51.4	N/A	N/A	N/A	N/A
Roller		57.7	50.7	N/A	N/A	N/A	N/A
	Total	**59**	**62**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/21/2019
Case Description: Sapphire Hotel & Event Center - Painting

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Business	Commercial	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	320	0

Equipment		Calculated (dBA) *Lmax	Leq	Results Day Lmax	Day Leq	Evening Lmax	Evening Leq
Compressor (air)		61.5	57.6	N/A	N/A	N/A	N/A
	Total	**62**	**58**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Home	Residential	58.7	58.7	52.1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	880	0

Equipment		Calculated (dBA) *Lmax	Leq	Results Day Lmax	Day Leq	Evening Lmax	Evening Leq
Compressor (air)		52.8	48.8	N/A	N/A	N/A	N/A
	Total	**53**	**49**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

APPENDIX D

FHWA Model Off-Site Roadway Noise Calculation Printouts

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project: Sapphire Hotel & Event Center
Site Conditions: Soft

	Vehicle Mix 1 (Secondary and Collector)				Vehicle Mix 2 (Arterial)				Vehicle Mix 3 (I-215)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	64.24%	13.16%	15.40%	92.80%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	2.12%	0.38%	1.07%	3.57%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.98%	0.19%	1.45%	3.63%

Road Name: McElwain Road **Segment: South of Linnel Road**

Average Daily Traffic: 5300 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary

	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-3.62	-0.04	-1.20	60.26	58.13	56.82	50.81	59.23	59.86	70 dBA:	**11**	**12**
Medium Trucks	74.83	-20.86	-0.04	-1.20	52.74	31.49	37.51	19.21	32.36	35.11	65 dBA:	**23**	**25**
Heavy Trucks	80.05	-24.81	-0.04	-1.20	54.00	28.65	25.25	29.90	36.10	36.19	60 dBA:	**49**	**54**
				Total:	**61.76**	**58.15**	**56.87**	**50.85**	**59.26**	**59.89**	55 dBA:	**106**	**116**

Road Name: Linnel Lane **Segment: West of Stepp Road**

Average Daily Traffic: 7800 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 149.35 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-1.94	-7.23	-1.20	54.74	52.62	51.30	45.29	53.71	54.34	70 dBA:	**12**	**14**
Medium Trucks	74.83	-19.18	-7.23	-1.20	47.22	25.97	31.99	13.70	26.84	29.59	65 dBA:	**27**	**29**
Heavy Trucks	80.05	-23.13	-7.23	-1.20	48.48	23.13	19.73	24.38	30.58	30.67	60 dBA:	**57**	**63**
				Total:	**56.24**	**52.63**	**51.36**	**45.33**	**53.74**	**54.37**	55 dBA:	**124**	**136**

Road Name: Linnel Lane **Segment: East of Stepp Road**

Average Daily Traffic: 3200 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 275 FEET FROM CENTERLINE (Equiv. Lane Dist: 274.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-5.81	-11.20	-1.20	46.90	44.78	43.47	37.45	45.87	46.50	70 dBA:	**7**	**7**
Medium Trucks	74.83	-23.05	-11.20	-1.20	39.38	18.13	24.15	5.86	19.00	21.76	65 dBA:	**15**	**16**
Heavy Trucks	80.05	-27.00	-11.20	-1.20	40.64	15.29	11.89	16.54	22.74	22.84	60 dBA:	**32**	**35**
				Total:	**48.40**	**44.79**	**43.52**	**37.49**	**45.90**	**46.53**	55 dBA:	**68**	**75**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project: Sapphire Hotel & Event Center
Site Conditions: Soft

Road Name: Clinton Keith Road **Segment: West of McElwain Road**

Average Daily Traffic: 42700 Vehicles | Vehicle Speed: 45 MPH | Vehicle Mix: 2 | Roadway Classification: Arterial

	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 105.09 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	4.10	-4.94	-1.20	67.31	64.94	63.64	57.59	66.02	66.65	70 dBA:	**67**	**72**
Medium Trucks	77.62	-10.76	-4.94	-1.20	60.72	41.51	33.73	42.94	49.09	49.12	65 dBA:	**144**	**156**
Heavy Trucks	82.14	-8.54	-4.94	-1.20	67.46	50.47	42.68	51.89	58.05	58.08	60 dBA:	**309**	**336**
				Total:	**70.84**	**65.11**	**63.68**	**58.74**	**66.74**	**67.28**	55 dBA:	**667**	**725**

Road Name: Clinton Keith Road **Segment: East of McElwain Road**

Average Daily Traffic: 40300 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 2 | Roadway Classification: Arterial

	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 62 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	4.36	-1.50	-1.20	69.02	66.65	65.36	59.30	67.73	68.36	70 dBA:	**57**	**61**
Medium Trucks	76.31	-10.50	-1.50	-1.20	63.11	43.90	36.12	45.32	51.48	51.51	65 dBA:	**122**	**132**
Heavy Trucks	81.16	-8.28	-1.50	-1.20	70.17	53.18	45.40	54.61	60.76	60.80	60 dBA:	**263**	**285**
				Total:	**73.10**	**66.86**	**65.40**	**60.70**	**68.61**	**69.14**	55 dBA:	**566**	**613**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: Sapphire Hotel & Event Center
Site Conditions: Soft

	Vehicle Mix 1 (Secondary and Collector)				Vehicle Mix 2 (Arterial)				Vehicle Mix 3 (I-215)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	64.24%	13.16%	15.40%	92.80%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	2.12%	0.38%	1.07%	3.57%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.98%	0.19%	1.45%	3.63%

Road Name: McElwain Road **Segment: South of Linnel Road**

Average Daily Traffic: 5900 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary

	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-3.15	-0.04	-1.20	60.72	58.60	57.29	51.27	59.69	60.32	70 dBA:	**11**	**13**
Medium Trucks	74.83	-20.39	-0.04	-1.20	53.20	31.95	37.97	19.68	32.82	35.58	65 dBA:	**24**	**27**
Heavy Trucks	80.05	-24.35	-0.04	-1.20	54.46	29.11	25.71	30.36	36.56	36.66	60 dBA:	**53**	**58**
				Total:	**62.23**	**58.61**	**57.34**	**51.31**	**59.72**	**60.35**	55 dBA:	**114**	**125**

Road Name: Linnel Lane **Segment: West of Stepp Road**

Average Daily Traffic: 8300 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 149.35 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-1.67	-7.23	-1.20	55.01	52.89	51.57	45.56	53.98	54.61	70 dBA:	**13**	**14**
Medium Trucks	74.83	-18.91	-7.23	-1.20	47.49	26.24	32.26	13.97	27.11	29.86	65 dBA:	**28**	**31**
Heavy Trucks	80.05	-22.86	-7.23	-1.20	48.75	23.40	20.00	24.65	30.85	30.94	60 dBA:	**60**	**66**
				Total:	**56.51**	**52.90**	**51.63**	**45.60**	**54.01**	**54.64**	55 dBA:	**129**	**142**

Road Name: Linnel Lane **Segment: East of Stepp Road**

Average Daily Traffic: 3600 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 275 FEET FROM CENTERLINE (Equiv. Lane Dist: 274.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-5.30	-11.20	-1.20	47.41	45.29	43.98	37.96	46.38	47.01	70 dBA:	**7**	**8**
Medium Trucks	74.83	-22.53	-11.20	-1.20	39.89	18.64	24.66	6.37	19.52	22.27	65 dBA:	**16**	**17**
Heavy Trucks	80.05	-26.49	-11.20	-1.20	41.16	15.80	12.40	17.05	23.25	23.35	60 dBA:	**34**	**38**
				Total:	**48.92**	**45.30**	**44.03**	**38.00**	**46.41**	**47.04**	55 dBA:	**74**	**81**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: Sapphire Hotel & Event Center
Site Conditions: Soft

Road Name: Clinton Keith Road **Segment: West of McElwain Road**

Average Daily Traffic: 42900 Vehicles | Vehicle Speed: 45 MPH | Vehicle Mix: 2 | Roadway Classification: Arterial

	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 105.09 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	4.12	-4.94	-1.20	67.33	64.96	63.66	57.61	66.04	66.67	70 dBA:	**67**	**73**
Medium Trucks	77.62	-10.74	-4.94	-1.20	60.74	41.53	33.75	42.96	49.11	49.15	65 dBA:	**144**	**157**
Heavy Trucks	82.14	-8.52	-4.94	-1.20	67.48	50.49	42.71	51.91	58.07	58.10	60 dBA:	**310**	**337**
				Total:	**70.86**	**65.13**	**63.70**	**58.76**	**66.76**	**67.30**	55 dBA:	**669**	**727**

Road Name: Clinton Keith Road **Segment: East of McElwain Road**

Average Daily Traffic: 40700 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 2 | Roadway Classification: Arterial

	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 62 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	4.41	-1.50	-1.20	69.06	66.69	65.40	59.34	67.78	68.41	70 dBA:	**57**	**62**
Medium Trucks	76.31	-10.46	-1.50	-1.20	63.15	43.94	36.16	45.37	51.52	51.56	65 dBA:	**123**	**133**
Heavy Trucks	81.16	-8.24	-1.50	-1.20	70.21	53.23	45.44	54.65	60.81	60.84	60 dBA:	**264**	**287**
				Total:	**73.15**	**66.90**	**65.45**	**60.74**	**68.66**	**69.18**	55 dBA:	**569**	**617**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT OPENING YEAR 2021 WITHOUT PROJECT CONDITIONS **Project: Sapphire Hotel & Event Center**
Site Conditions: Soft

	Vehicle Mix 1 (Secondary and Collector)				Vehicle Mix 2 (Arterial)				Vehicle Mix 3 (I-215)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	64.24%	13.16%	15.40%	92.80%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	2.12%	0.38%	1.07%	3.57%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.98%	0.19%	1.45%	3.63%

Road Name: McElwain Road **Segment: South of Linnel Road**
Average Daily Traffic: 5500 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary

	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-3.46	-0.04	-1.20	60.42	58.29	56.98	50.97	59.39	60.02	70 dBA:	**11**	**12**
Medium Trucks	74.83	-20.69	-0.04	-1.20	52.90	31.65	37.67	19.38	32.52	35.27	65 dBA:	**23**	**26**
Heavy Trucks	80.05	-24.65	-0.04	-1.20	54.16	28.81	25.41	30.06	36.26	36.35	60 dBA:	**50**	**55**
				Total:	**61.92**	**58.31**	**57.04**	**51.01**	**59.42**	**60.05**	55 dBA:	**108**	**119**

Road Name: Linnel Lane **Segment: West of Stepp Road**
Average Daily Traffic: 8100 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 149.35 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-1.77	-7.23	-1.20	54.90	52.78	51.47	45.46	53.88	54.50	70 dBA:	**13**	**14**
Medium Trucks	74.83	-19.01	-7.23	-1.20	47.38	26.13	32.15	13.86	27.01	29.76	65 dBA:	**27**	**30**
Heavy Trucks	80.05	-22.97	-7.23	-1.20	48.65	23.29	19.89	24.54	30.74	30.84	60 dBA:	**59**	**65**
				Total:	**56.41**	**52.79**	**51.52**	**45.49**	**53.91**	**54.54**	55 dBA:	**127**	**140**

Road Name: Linnel Lane **Segment: East of Stepp Road**
Average Daily Traffic: 3300 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 275 FEET FROM CENTERLINE (Equiv. Lane Dist: 274.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-5.67	-11.20	-1.20	47.04	44.91	43.60	37.59	46.01	46.63	70 dBA:	**7**	**8**
Medium Trucks	74.83	-22.91	-11.20	-1.20	39.52	18.27	24.29	5.99	19.14	21.89	65 dBA:	**15**	**16**
Heavy Trucks	80.05	-26.87	-11.20	-1.20	40.78	15.43	12.03	16.68	22.87	22.97	60 dBA:	**32**	**36**
				Total:	**48.54**	**44.93**	**43.65**	**37.63**	**46.04**	**46.67**	55 dBA:	**69**	**77**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT OPENING YEAR 2021 WITHOUT PROJECT CONDITIONS **Project: Sapphire Hotel & Event Center**
Site Conditions: Soft

Road Name: Clinton Keith Road **Segment: West of McElwain Road**
Average Daily Traffic: 44400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 105.09 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	4.27	-4.94	-1.20	67.48	65.10	63.81	57.76	66.19	66.82	70 dBA:	**68**	**74**
Medium Trucks	77.62	-10.59	-4.94	-1.20	60.89	41.68	33.90	43.11	49.26	49.29	65 dBA:	**147**	**160**
Heavy Trucks	82.14	-8.37	-4.94	-1.20	67.63	50.64	42.85	52.06	58.22	58.25	60 dBA:	**318**	**345**
				Total:	**71.01**	**65.28**	**63.85**	**58.91**	**66.91**	**67.45**	55 dBA:	**684**	**744**

Road Name: Clinton Keith Road **Segment: East of McElwain Road**
Average Daily Traffic: 41900 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Arterial

	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 62 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	4.53	-1.50	-1.20	69.19	66.82	65.52	59.47	67.90	68.53	70 dBA:	**58**	**63**
Medium Trucks	76.31	-10.33	-1.50	-1.20	63.28	44.07	36.29	45.49	51.65	51.68	65 dBA:	**125**	**136**
Heavy Trucks	81.16	-8.11	-1.50	-1.20	70.34	53.35	45.57	54.78	60.93	60.97	60 dBA:	**269**	**292**
				Total:	**73.27**	**67.03**	**65.57**	**60.87**	**68.78**	**69.31**	55 dBA:	**581**	**630**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT OPENING YEAR 2021 WITH PROJECT CONDITIONS

Project: Sapphire Hotel & Event Center
Site Conditions: Soft

	Vehicle Mix 1 (Secondary and Collector)				Vehicle Mix 2 (Arterial)				Vehicle Mix 3 (I-215)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	64.24%	13.16%	15.40%	92.80%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	2.12%	0.38%	1.07%	3.57%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.98%	0.19%	1.45%	3.63%

Road Name: McElwain Road **Segment: South of Linnel Road**

Average Daily Traffic: 6100 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary

	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-3.01	-0.04	-1.20	60.87	58.74	57.43	51.42	59.84	60.47	70 dBA:	**12**	**13**
Medium Trucks	74.83	-20.24	-0.04	-1.20	53.35	32.10	38.12	19.83	32.97	35.72	65 dBA:	**25**	**28**
Heavy Trucks	80.05	-24.20	-0.04	-1.20	54.61	29.26	25.86	30.51	36.71	36.80	60 dBA:	**54**	**59**
				Total:	**62.37**	**58.76**	**57.49**	**51.46**	**59.87**	**60.50**	55 dBA:	**116**	**128**

Road Name: Linnel Lane **Segment: West of Stepp Road**

Average Daily Traffic: 8600 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 149.35 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-1.51	-7.23	-1.20	55.16	53.04	51.73	45.72	54.14	54.76	70 dBA:	**13**	**15**
Medium Trucks	74.83	-18.75	-7.23	-1.20	47.64	26.39	32.41	14.12	27.27	30.02	65 dBA:	**28**	**31**
Heavy Trucks	80.05	-22.71	-7.23	-1.20	48.91	23.55	20.16	24.80	31.00	31.10	60 dBA:	**61**	**67**
				Total:	**56.67**	**53.05**	**51.78**	**45.75**	**54.17**	**54.80**	55 dBA:	**132**	**145**

Road Name: Linnel Lane **Segment: East of Stepp Road**

Average Daily Traffic: 3700 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 275 FEET FROM CENTERLINE (Equiv. Lane Dist: 274.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-5.18	-11.20	-1.20	47.53	45.41	44.10	38.08	46.50	47.13	70 dBA:	**7**	**8**
Medium Trucks	74.83	-22.42	-11.20	-1.20	40.01	18.76	24.78	6.49	19.63	22.39	65 dBA:	**16**	**18**
Heavy Trucks	80.05	-26.37	-11.20	-1.20	41.27	15.92	12.52	17.17	23.37	23.47	60 dBA:	**35**	**38**
				Total:	**49.04**	**45.42**	**44.15**	**38.12**	**46.53**	**47.16**	55 dBA:	**75**	**83**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT OPENING YEAR 2021 WITH PROJECT CONDITIONS | **Project: Sapphire Hotel & Event Center** | **Site Conditions: Soft**

Road Name: Clinton Keith Road **Segment: West of McElwain Road**

Average Daily Traffic: 44600 Vehicles | Vehicle Speed: 45 MPH | Vehicle Mix: 2 | Roadway Classification: Arterial

	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 105.09 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	4.29	-4.94	-1.20	67.50	65.12	63.83	57.78	66.21	66.84	70 dBA:	**69**	**75**
Medium Trucks	77.62	-10.57	-4.94	-1.20	60.91	41.70	33.92	43.13	49.28	49.31	65 dBA:	**148**	**161**
Heavy Trucks	82.14	-8.35	-4.94	-1.20	67.64	50.66	42.87	52.08	58.24	58.27	60 dBA:	**319**	**346**
				Total:	**71.03**	**65.30**	**63.87**	**58.93**	**66.93**	**67.47**	55 dBA:	**686**	**746**

Road Name: Clinton Keith Road **Segment: East of McElwain Road**

Average Daily Traffic: 42300 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 2 | Roadway Classification: Arterial

	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 62 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	4.58	-1.50	-1.20	69.23	66.86	65.57	59.51	67.94	68.57	70 dBA:	**58**	**63**
Medium Trucks	76.31	-10.29	-1.50	-1.20	63.32	44.11	36.33	45.54	51.69	51.72	65 dBA:	**126**	**136**
Heavy Trucks	81.16	-8.07	-1.50	-1.20	70.38	53.39	45.61	54.82	60.97	61.01	60 dBA:	**271**	**294**
				Total:	**73.31**	**67.07**	**65.61**	**60.91**	**68.82**	**69.35**	55 dBA:	**584**	**634**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT PLUS CUMULATIVE PROJECTS 2021 WITHOUT PROJECT **Project: Sapphire Hotel & Event Center**
Site Conditions: Soft

	Vehicle Mix 1 (Secondary and Collector)				Vehicle Mix 2 (Arterial)				Vehicle Mix 3 (I-215)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	64.24%	13.16%	15.40%	92.80%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	2.12%	0.38%	1.07%	3.57%
Heavy Trucks	9.00%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.98%	0.19%	1.45%	3.63%

Road Name: McElwain Road **Segment: South of Linnel Road**
Average Daily Traffic: 9700 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary

	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.99	-0.04	-1.20	62.88	60.76	59.45	53.43	61.85	62.48	70 dBA:	**16**	**18**
Medium Trucks	74.83	-18.23	-0.04	-1.20	55.36	34.11	40.13	21.84	34.98	37.74	65 dBA:	**34**	**38**
Heavy Trucks	80.05	-22.19	-0.04	-1.20	56.62	45.37	27.87	32.52	43.80	43.83	60 dBA:	**74**	**81**
				Total:	**64.39**	**60.89**	**59.50**	**53.47**	**61.93**	**62.55**	55 dBA:	**159**	**175**

Road Name: Linnel Lane **Segment: West of Stepp Road**
Average Daily Traffic: 12300 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 149.35 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.04	-7.23	-1.20	56.72	54.59	53.28	47.27	55.69	56.32	70 dBA:	**17**	**19**
Medium Trucks	74.83	-17.20	-7.23	-1.20	49.20	27.95	33.97	15.68	28.82	31.57	65 dBA:	**36**	**40**
Heavy Trucks	80.05	-21.15	-7.23	-1.20	50.46	39.21	21.71	26.36	37.64	37.67	60 dBA:	**78**	**86**
				Total:	**58.22**	**54.73**	**53.34**	**47.31**	**55.77**	**56.39**	55 dBA:	**169**	**186**

Road Name: Linnel Lane **Segment: East of Stepp Road**
Average Daily Traffic: 7500 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 275 FEET FROM CENTERLINE (Equiv. Lane Dist: 274.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-2.11	-11.20	-1.20	50.60	48.48	47.16	41.15	49.57	50.20	70 dBA:	**12**	**13**
Medium Trucks	74.83	-19.35	-11.20	-1.20	43.08	21.83	27.85	9.56	22.70	25.45	65 dBA:	**26**	**29**
Heavy Trucks	80.05	-23.30	-11.20	-1.20	44.34	33.09	15.59	20.24	31.52	31.55	60 dBA:	**56**	**62**
				Total:	**52.10**	**48.61**	**47.22**	**41.19**	**49.65**	**50.27**	55 dBA:	**121**	**133**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT PLUS CUMULATIVE PROJECTS 2021 WITHOUT PROJECT **Project: Sapphire Hotel & Event Center**
Site Conditions: Soft

Road Name: Clinton Keith Road **Segment: West of McElwain Road**
Average Daily Traffic: 58900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 105.09 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	5.50	-4.94	-1.20	68.70	66.33	65.04	58.98	67.42	68.05	70 dBA:	**83**	**90**
Medium Trucks	77.62	-9.37	-4.94	-1.20	62.11	42.91	35.13	44.33	50.49	50.52	65 dBA:	**178**	**193**
Heavy Trucks	82.14	-7.15	-4.94	-1.20	68.85	51.86	44.08	53.29	59.44	59.48	60 dBA:	**383**	**417**
				Total:	**72.23**	**66.50**	**65.08**	**60.14**	**68.13**	**68.68**	55 dBA:	**826**	**898**

Road Name: Clinton Keith Road **Segment: East of McElwain Road**
Average Daily Traffic: 58500 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Arterial

	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 62 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	5.98	-1.50	-1.20	70.64	68.27	66.97	60.92	69.35	69.98	70 dBA:	**73**	**79**
Medium Trucks	76.31	-8.88	-1.50	-1.20	64.73	45.52	37.74	46.94	53.10	53.13	65 dBA:	**156**	**169**
Heavy Trucks	81.16	-6.66	-1.50	-1.20	71.79	54.80	47.02	56.23	62.38	62.42	60 dBA:	**337**	**365**
				Total:	**74.72**	**68.48**	**67.02**	**62.32**	**70.23**	**70.76**	55 dBA:	**725**	**786**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT PLUS CUMULATIVE PROJECTS 2021 WITH PROJECT **Project: Sapphire Hotel & Event Center**
Site Conditions: Soft

	Vehicle Mix 1 (Secondary and Collector)				Vehicle Mix 2 (Arterial)				Vehicle Mix 3 (I-215)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	64.24%	13.16%	15.40%	92.80%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	2.12%	0.38%	1.07%	3.57%
Heavy Trucks	9.00%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.98%	0.19%	1.45%	3.63%

Road Name: McElwain Road **Segment: South of Linnel Road**
Average Daily Traffic: 10300 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary

	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.73	-0.04	-1.20	63.14	61.02	59.71	53.69	62.11	62.74	70 dBA:	**17**	**18**
Medium Trucks	74.83	-17.97	-0.04	-1.20	55.62	34.37	40.39	22.10	35.24	38.00	65 dBA:	**36**	**39**
Heavy Trucks	80.05	-21.93	-0.04	-1.20	56.88	45.64	28.13	32.78	44.07	44.10	60 dBA:	**77**	**85**
				Total:	**64.65**	**61.15**	**59.76**	**53.73**	**62.19**	**62.81**	55 dBA:	**166**	**183**

Road Name: Linnel Lane **Segment: West of Stepp Road**
Average Daily Traffic: 12800 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 149.35 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.21	-7.23	-1.20	56.89	54.77	53.45	47.44	55.86	56.49	70 dBA:	**17**	**19**
Medium Trucks	74.83	-17.03	-7.23	-1.20	49.37	28.12	34.14	15.85	28.99	31.74	65 dBA:	**37**	**41**
Heavy Trucks	80.05	-20.98	-7.23	-1.20	50.63	39.38	21.88	26.53	37.81	37.84	60 dBA:	**80**	**88**
				Total:	**58.39**	**54.90**	**53.51**	**47.48**	**55.94**	**56.56**	55 dBA:	**173**	**191**

Road Name: Linnel Lane **Segment: East of Stepp Road**
Average Daily Traffic: 7900 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOISE PARAMETERS AT 275 FEET FROM CENTERLINE (Equiv. Lane Dist: 274.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-1.88	-11.20	-1.20	50.83	48.70	47.39	41.38	49.80	50.42	70 dBA:	**13**	**14**
Medium Trucks	74.83	-19.12	-11.20	-1.20	43.31	22.06	28.08	9.78	22.93	25.68	65 dBA:	**27**	**30**
Heavy Trucks	80.05	-23.08	-11.20	-1.20	44.57	33.32	15.82	20.47	31.75	31.78	60 dBA:	**58**	**64**
				Total:	**52.33**	**48.84**	**47.44**	**41.42**	**49.87**	**50.50**	55 dBA:	**125**	**138**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING PLUS AMBIENT PLUS CUMULATIVE PROJECTS 2021 WITH PROJECT **Project: Sapphire Hotel & Event Center**
Site Conditions: Soft

Road Name: Clinton Keith Road **Segment: West of McElwain Road**
Average Daily Traffic: 59100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 105.09 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	5.52	-4.94	-1.20	68.72	66.35	65.05	59.00	67.43	68.06	70 dBA:	**83**	**90**
Medium Trucks	77.62	-9.35	-4.94	-1.20	62.13	42.92	35.14	44.35	50.50	50.54	65 dBA:	**178**	**194**
Heavy Trucks	82.14	-7.13	-4.94	-1.20	68.87	51.88	44.10	53.30	59.46	59.49	60 dBA:	**384**	**418**
				Total:	**72.25**	**66.52**	**65.09**	**60.15**	**68.15**	**68.69**	55 dBA:	**828**	**900**

Road Name: Clinton Keith Road **Segment: East of McElwain Road**
Average Daily Traffic: 58900 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Arterial

	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 62 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.01	-1.50	-1.20	70.67	68.30	67.00	60.95	69.38	70.01	70 dBA:	**73**	**79**
Medium Trucks	76.31	-8.85	-1.50	-1.20	64.75	45.55	37.76	46.97	53.13	53.16	65 dBA:	**157**	**170**
Heavy Trucks	81.16	-6.64	-1.50	-1.20	71.82	54.83	47.05	56.26	62.41	62.45	60 dBA:	**338**	**367**
				Total:	**74.75**	**68.51**	**67.05**	**62.35**	**70.26**	**70.79**	55 dBA:	**729**	**790**

APPENDIX E

Operational Reference Noise Measurements Printouts

SLM & RTA Summary
Translated: 10-Feb-2010 10:05:45

File Translated: Z:\Vista Env\2009\090103-Napa St Regis\Noise Measurements\LD\St Regis Wedding.slmdl
Model Number: 824
Serial Number: A3176
Firmware Rev: 4.283
Software Version: 3.120
Name: Vista Environmental
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup: SLM&RTA.ssa
Setup Descr: SLM & Real-Time Analyzer
Location: St. Regis Monarch Beach Resort
Note 1: 70' from 200 guest wedding reception w-amplified music
Note 2: 150' from outdoor restaurant

Overall Any Data
Start Time: 31-May-2009 15:11:59
Elapsed Time: 00:11:00.3

	A Weight		C Weight		Flat	
Leq:	74.0 dBA		83.3 dBC		83.6 dBF	
SEL:	102.2 dBA		111.5 dBC		111.8 dBF	
Peak:	94.2 dBA		101.1 dBC		101.7 dBF	
	31-May-2009	15:16:18	31-May-2009	15:12:34	31-May-2009	15:19:49
Lmax (slow):	78.4 dBA		88.4 dBC		88.7 dBF	
	31-May-2009	15:20:35	31-May-2009	15:17:59	31-May-2009	15:17:59
Lmin (slow):	64.8 dBA		72.6 dBC		72.8 dBF	
	31-May-2009	15:15:29	31-May-2009	15:15:24	31-May-2009	15:15:24
Lmax (fast):	81.3 dBA		92.2 dBC		92.5 dBF	
	31-May-2009	15:20:34	31-May-2009	15:17:59	31-May-2009	15:17:59
Lmin (fast):	52.7 dBA		58.2 dBC		59.1 dBF	
	31-May-2009	15:15:24	31-May-2009	15:15:24	31-May-2009	15:15:24
Lmax (impulse):	83.6 dBA		94.2 dBC		94.4 dBF	
	31-May-2009	15:20:34	31-May-2009	15:19:49	31-May-2009	15:19:49
Lmin (impulse):	65.3 dBA		74.8 dBC		75.0 dBF	
	31-May-2009	15:15:29	31-May-2009	15:14:53	31-May-2009	15:14:53

Spectra
Start Time: 31-May-2009 15:11:59 Run Time: 00:11:00.3

Freq	Leq 1/3	Leq 1/1	Max 1/3	Max 1/1	Min 1/3	Min 1/1
12.5 Hz	53.9		53.5		28.1	
16.0 Hz	49.2	56.3	46.8	56.5	25.0	35.3
20.0 Hz	49.8		52.5		33.9	
25.0 Hz	50.7		52.6		38.3	
31.5 Hz	52.2	64.1	55.5	66.5	38.4	43.7
40.0 Hz	63.6		66.0		39.9	
50.0 Hz	68.2		73.5		43.2	
63.0 Hz	68.9	77.9	74.3	81.3	42.1	47.0
80.0 Hz	76.8		79.3		41.3	
100 Hz	78.6		81.4		42.2	
125 Hz	76.7	81.0	78.5	83.5	43.8	47.1
160 Hz	68.1		71.3		40.2	
200 Hz	68.2		72.1		41.4	
250 Hz	67.1	71.5	72.1	75.6	40.0	44.6
315 Hz	64.0		65.4		37.3	
400 Hz	61.7		68.7		38.8	
500 Hz	63.6	68.7	65.1	74.7	41.3	48.0

630 Hz	65.7		72.7		46.3	
800 Hz	65.3		75.3		45.1	
1000 Hz	66.3	69.8	76.9	80.4	42.6	48.3
1250 Hz	62.9		74.3		42.2	
1600 Hz	63.9		71.2		41.2	
2000 Hz	61.4	66.9	72.4	76.0	39.9	45.3
2500 Hz	60.4		69.5		40.5	
3150 Hz	58.5		64.7		38.0	
4000 Hz	54.0	60.3	61.4	66.7	35.0	40.6
5000 Hz	50.4		55.1		33.2	
6300 Hz	46.2		47.8		30.1	
8000 Hz	42.6	48.2	45.6	50.5	27.3	32.5
10000 Hz	37.5		42.2		23.2	
12500 Hz	32.4		37.4		20.2	
16000 Hz	24.2	33.4	27.2	37.9	19.1	24.5
20000 Hz	22.4		23.3		19.7	

Ln Start Level: 15 dB

L (1.00)	0.0
L (5.00)	0.0
L (50.00)	0.0
L (90.00)	0.0
L (95.00)	0.0
L (99.00)	0.0

Detector: Slow
Weighting: A
SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
SPL Exceedance Level 2: 120.0 dB Exceeded: 0 times
Peak-1 Exceedance Level: 105.0 dB Exceeded: 0 times
Peak-2 Exceedance Level: 100.0 dB Exceeded: 0 times
Hysteresis: 2
Overloaded: 0 time(s)
Paused: 0 times for 00:00:00.0

Current Any Data
Start Time: 31-May-2009 15:11:59
Elapsed Time: 00:11:00.3

	A Weight	C Weight	Flat
Leq:	74.0 dBA	83.3 dBC	83.6 dBF
SEL:	102.2 dBA	111.5 dBC	111.8 dBF
Peak:	94.2 dBA	101.1 dBC	101.7 dBF
	31-May-2009 15:16:18	31-May-2009 15:12:34	31-May-2009 15:19:49
Lmax (slow):	78.4 dBA	88.4 dBC	88.7 dBF
	31-May-2009 15:20:35	31-May-2009 15:17:59	31-May-2009 15:17:59
Lmin (slow):	64.8 dBA	72.6 dBC	72.8 dBF
	31-May-2009 15:15:29	31-May-2009 15:15:24	31-May-2009 15:15:24
Lmax (fast):	81.3 dBA	92.2 dBC	92.5 dBF
	31-May-2009 15:20:34	31-May-2009 15:17:59	31-May-2009 15:17:59
Lmin (fast):	52.7 dBA	58.2 dBC	59.1 dBF
	31-May-2009 15:15:24	31-May-2009 15:15:24	31-May-2009 15:15:24
Lmax (impulse):	83.6 dBA	94.2 dBC	94.4 dBF
	31-May-2009 15:20:34	31-May-2009 15:19:49	31-May-2009 15:19:49
Lmin (impulse):	65.3 dBA	74.8 dBC	75.0 dBF
	31-May-2009 15:15:29	31-May-2009 15:14:53	31-May-2009 15:14:53

Calibrated: 31-May-2009 11:57:31 Offset: -48.5 dB
Checked: 31-May-2009 11:57:31 Level: 94.0 dB

Calibrator	not set	Level:	94.0 dB
Cal Records Count:	0		
Interval Records:	Disabled	Number Interval Records:	0
Time History:	Disabled	Number History Records:	0
Run/Stop Records:		Number Run/Stop Records:	2

General Information

Serial Number	02509
Model	831
Firmware Version	2.112
Filename	831_Data.005
User	GT
Job Description	Northwest Fresno Walmart Relocation
Location	Rooftop HVAC Unit
Measurement Description	
Start Time	Saturday, 2013 July 27 18:31:43
Stop Time	Saturday, 2013 July 27 18:41:44
Duration	00:10:01.1
Run Time	00:10:01.1
Pause	00:00:00.0
Pre Calibration	Saturday, 2013 July 27 17:53:07
Post Calibration	None
Calibration Deviation	---

Note

Located 10 feet southeast of rooftop HVAC Unit 14 located on western side of roof
94 F, 30% Hu., 29.45 in Hg, no wind, partly cloudy

Overall Data

LAeq		66.6	dB
LASmax	2013 Jul 27 18:33:16	67.6	dB
LApeak (max)	2013 Jul 27 18:32:17	81.6	dB
LASmin	2013 Jul 27 18:41:08	65.8	dB
LCeq		75.8	dB
LAeq		66.6	dB
LCeq - LAeq		9.2	dB
LAIeq		67.2	dB
LAeq		66.6	dB
LAIeq - LAeq		0.6	dB
Ldn		66.6	dB
LDay 07:00-23:00		66.6	dB
LNight 23:00-07:00		---	dB
Lden		66.6	dB
LDay 07:00-19:00		66.6	dB
LEvening 19:00-23:00		---	dB
LNight 23:00-07:00		---	dB
LAE		94.4	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

LAS5.00	67.0	dBA
LAS10.00	66.9	dBA
LAS33.30	66.7	dBA
LAS50.00	66.6	dBA
LAS66.60	66.5	dBA
LAS90.00	66.3	dBA
LAS > 65.0 dB (Exceedence Counts / Duration)	1 / 601.1	s
LAS > 85.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 140.0 dB (Exceedence Counts / Duration)	0 / 0.0	s

Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Preamp	PRM831	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	Z Weighting	
OBA Max Spectrum	Bin Max	
Gain	+0	dB
Under Range Limit	26.2	dB
Under Range Peak	75.8	dB
Noise Floor	17.1	dB
Overload	143.4	dB

1/1 Spectra

Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1k	2k	4k	8k	16k
LZeq	70.9	64.4	61.4	74.2	68.2	64.9	66.3	61.7	55.1	49.9	44.3	44.0
LZSmax	83.8	78.9	70.0	78.4	72.3	66.1	67.8	63.1	56.9	53.2	46.7	45.4
LZSmin	53.2	56.5	56.7	67.7	66.1	63.5	65.0	60.7	53.9	48.4	43.2	43.7

1/3 Spectra

Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LZeq	68.1	65.7	63.2	61.0	58.0	59.3	56.0	57.8	55.8	69.7	72.0	59.3
LZSmax	82.3	79.5	78.7	77.2	72.8	72.3	67.9	63.5	64.0	74.2	76.1	72.0
LZSmin	41.9	46.3	48.8	48.7	46.5	49.7	50.1	51.8	41.2	63.9	67.9	54.5

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1k	1.25k
LZeq	61.6	63.7	64.5	59.0	58.7	60.9	63.2	60.8	59.9	59.2	56.1	54.6
LZSmax	71.3	68.0	67.3	61.6	61.7	64.1	65.5	64.2	62.0	60.7	57.6	58.6
LZSmin	52.9	60.0	57.2	45.1	56.0	58.9	61.1	58.4	58.4	57.1	54.9	53.3

Freq. (Hz):	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	12.5k	16k	20k
LZeq	52.0	49.8	48.4	46.4	45.4	42.8	41.1	38.6	38.5	38.4	39.0	40.2
LZSmax	54.4	52.3	51.2	50.2	49.7	45.7	45.4	41.6	40.4	40.4	41.4	41.3
LZSmin	50.9	48.4	46.9	45.0	43.7	41.4	39.6	37.5	37.9	38.0	38.7	39.9

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	27 Jul 2013 17:53:07	-25.9
PRM831	27 Jul 2013 13:36:08	-25.6
PRM831	28 Apr 2013 15:34:24	-25.9
PRM831	23 Apr 2013 10:17:33	-25.0
PRM831	27 Feb 2013 19:15:30	-25.7
PRM831	24 Jan 2013 12:00:16	-25.6
PRM831	15 Jan 2013 07:50:44	-26.2
PRM831	04 Jan 2013 13:47:46	-26.5

General Information

Serial Number	02509
Model	831
Firmware Version	2.112
Filename	831_Data.002
User	GT
Job Description	Northwest Fresno Walmart Relocation
Location	Northwest Fresno Walmart
Measurement Description	
Start Time	Saturday, 2013 July 27 15:49:15
Stop Time	Saturday, 2013 July 27 16:09:15
Duration	00:20:00.6
Run Time	00:20:00.6
Pause	00:00:00.0
Pre Calibration	Saturday, 2013 July 27 13:36:08
Post Calibration	None
Calibration Deviation	---

Note

Located at the eastern portion of the southern parking lot and approx 140 feet south of the front door
96 F, 35% Humidity, 29.48 in Hg, 3 mph wind, partly cloudy

Overall Data

LAeq		63.1	dB
LASmax	2013 Jul 27 15:59:44	79.2	dB
LApeak (max)	2013 Jul 27 16:06:25	102.2	dB
LASmin	2013 Jul 27 15:50:20	49.6	dB
LCeq		74.0	dB
LAeq		63.1	dB
LCeq - LAeq		10.9	dB
LAIeq		67.4	dB
LAeq		63.1	dB
LAIeq - LAeq		4.3	dB
Ldn		63.1	dB
LDay 07:00-23:00		63.1	dB
LNight 23:00-07:00		---	dB
Lden		63.1	dB
LDay 07:00-19:00		63.1	dB
LEvening 19:00-23:00		---	dB
LNight 23:00-07:00		---	dB
LAE		93.9	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

LAS5.00	66.7	dBA
LAS10.00	66.3	dBA
LAS33.30	62.8	dBA
LAS50.00	61.7	dBA
LAS66.60	57.7	dBA
LAS90.00	52.8	dBA
LAS > 65.0 dB (Exceedence Counts / Duration)	17 / 347.8	s
LAS > 85.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 140.0 dB (Exceedence Counts / Duration)	0 / 0.0	s

Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Preamp	PRM831	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	Z Weighting	
OBA Max Spectrum	Bin Max	
Gain	+0	dB
Under Range Limit	26.1	dB
Under Range Peak	75.6	dB
Noise Floor	17.0	dB
Overload	143.1	dB

1/1 Spectra

Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1k	2k	4k	8k	16k
LZeq	66.7	66.1	71.1	71.6	64.9	59.5	59.6	58.3	56.2	51.8	46.8	44.6
LZSmax	82.6	84.9	82.2	89.3	77.1	67.1	72.4	76.6	76.6	69.0	67.7	63.1
LZSmin	46.5	55.4	53.6	59.0	55.2	49.9	45.5	43.6	40.9	37.7	39.6	42.8

1/3 Spectra

Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LZeq	63.6	61.5	59.8	58.7	60.7	63.4	67.2	66.6	65.3	65.7	67.5	67.2
LZSmax	80.9	76.9	73.6	75.5	79.8	83.7	80.9	76.8	78.9	83.8	87.4	88.8
LZSmin	37.3	40.3	43.7	45.3	48.2	51.5	55.9	60.4	54.9	53.2	57.5	47.0

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1k	1.25k
LZeq	61.7	61.0	54.9	52.9	57.0	53.2	57.3	54.1	52.1	54.5	53.3	52.7
LZSmax	76.0	71.0	69.8	65.8	64.6	65.6	67.0	71.0	67.1	65.9	72.9	73.0
LZSmin	52.1	48.8	46.7	42.4	46.2	44.6	43.2	38.5	38.6	39.0	39.4	38.2

Freq. (Hz):	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	12.5k	16k	20k
LZeq	52.5	50.9	50.7	49.0	46.4	44.5	43.0	41.7	41.1	40.0	39.6	40.0
LZSmax	75.9	69.6	63.7	63.8	64.4	64.7	63.3	62.7	62.7	60.8	57.9	52.5
LZSmin	37.2	35.4	34.6	33.1	32.6	32.8	33.6	34.7	35.9	36.7	37.7	39.4

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	27 Jul 2013 13:36:08	-25.6
PRM831	28 Apr 2013 15:34:24	-25.9
PRM831	23 Apr 2013 10:17:33	-25.0
PRM831	27 Feb 2013 19:15:30	-25.7
PRM831	24 Jan 2013 12:00:16	-25.6
PRM831	15 Jan 2013 07:50:44	-26.2
PRM831	04 Jan 2013 13:47:46	-26.5

File Translated: V:\Vista Env\2010\10022-Fresno Walmart\Noise Measurements\LD\15.slmdl
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.283 / 3.120
Name:
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm&rta.ssa / SLM & Real-Time Analyzer
Location: 30' N of vendor truck loading area for Fresno Walmart
Note1: Approx 70' S of Locust Ave CL
Note2: 52F, 29.57 in Hg, 67% Humid., no wind, clear sky

Overall Any Data
Start Time: 19-May-2011 07:05:53
Elapsed Time: 00:08:30.5

	A Weight		C Weight		Flat	
Leq:	54.8 dBA		65.1 dBC		66.1 dBF	
SEL:	81.9 dBA		92.2 dBC		93.2 dBF	
Peak:	85.2 dBA		85.8 dBC		86.0 dBF	
	19-May-2011	07:09:58	19-May-2011	07:09:52	19-May-2011	07:09:52
Lmax (slow):	67.9 dBA		73.2 dBC		73.8 dBF	
	19-May-2011	07:09:50	19-May-2011	07:13:57	19-May-2011	07:13:57
Lmin (slow):	43.7 dBA		60.0 dBC		61.6 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax (fast):	70.7 dBA		75.5 dBC		75.7 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (fast):	43.1 dBA		57.8 dBC		58.9 dBF	
	19-May-2011	07:11:17	19-May-2011	07:09:10	19-May-2011	07:09:10
Lmax (impulse):	72.1 dBA		76.8 dBC		77.1 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (impulse):	43.6 dBA		61.1 dBC		62.4 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:51	19-May-2011	07:09:10

Spectra

Date	Time	Run Time
19-May-2011	07:05:53	00:08:30.5

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	50.2		56.3		35.5		630	46.5		61.4		31.0	
16.0	50.9	55.5	56.1	61.5	37.1	41.8	800	45.4		60.8		30.5	
20.0	51.0		57.6		38.0		1000	44.5	49.3	56.1	63.9	31.7	35.6
25.0	55.8		57.5		41.1		1250	43.5		59.4		30.2	
31.5	57.7	61.6	57.1	63.3	46.2	49.9	1600	42.6		56.3		28.1	
40.0	56.7		60.3		46.3		2000	41.1	46.1	56.4	61.9	24.9	30.4
50.0	56.8		57.9		44.0		2500	40.0		58.4		21.7	
63.0	55.7	61.0	56.5	62.1	45.9	49.1	3150	40.2		60.8		19.4	
80.0	56.2		57.4		42.2		4000	39.5	43.8	58.6	63.4	18.7	24.1
100	55.6		55.1		42.3		5000	36.7		54.4		19.7	
125	54.3	59.2	59.0	63.8	40.7	45.7	6300	32.8		50.2		21.5	
160	52.8		61.0		39.4		8000	30.2	35.2	57.7	58.5	21.2	25.9
200	51.1		57.3		35.5		10000	25.4		41.5		20.5	
250	51.4	55.2	70.6	71.0	34.6	39.0	12500	22.9		32.2		19.4	
315	48.2		58.2		32.0		16000	20.8	26.5	27.4	33.9	19.1	24.4
400	47.0		59.0		30.1		20000	21.2		23.8		20.3	
500	47.0	51.6	64.3	66.9	30.4	35.3							

Ln Start Level: 15 dB

L1.00	0.0 dBA	L50.00	0.0 dBA	L95.00	0.0 dBA
L5.00	0.0 dBA	L90.00	0.0 dBA	L99.00	0.0 dBA

Detector: Slow
Weighting: A
SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
SPL Exceedance level 2: 120 dB Exceeded: 0 times
Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
Peak-2 Exceedance Level: 100 dB Exceeded: 0 times
Hysteresis: 2
Overloaded: 0 time(s)
Paused: 0 times for 00:00:00.0

File Translated: V:\Vista Env\2010\10022-Fresno Walmart\Noise Measurements\LD\15.slmdl
Model/Serial Number: 824 / A3176

Current Any Data
Start Time: 19-May-2011 07:05:53
Elapsed Time: 00:08:30.5

	A Weight		C Weight		Flat	
Leq:	54.8 dBA		65.1 dBC		66.1 dBF	
SEL:	81.9 dBA		92.2 dBC		93.2 dBF	
Peak:	85.2 dBA		85.8 dBC		86.0 dBF	
	19-May-2011	07:09:58	19-May-2011	07:09:52	19-May-2011	07:09:52
Lmax (slow):	67.9 dBA		73.2 dBC		73.8 dBF	
	19-May-2011	07:09:50	19-May-2011	07:13:57	19-May-2011	07:13:57
Lmin (slow):	43.7 dBA		60.0 dBC		61.6 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax (fast):	70.7 dBA		75.5 dBC		75.7 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (fast):	43.1 dBA		57.8 dBC		58.9 dBF	
	19-May-2011	07:11:17	19-May-2011	07:09:10	19-May-2011	07:09:10
Lmax (impulse):	72.1 dBA		76.8 dBC		77.1 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (impulse):	43.6 dBA		61.1 dBC		62.4 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:51	19-May-2011	07:09:10

Calibrated: 18-May-2011 13:09:02 Offset: -48.2 dB
Checked: 19-May-2011 06:46:08 Level: 113.9 dB
Calibrator not set Level: 114.0 dB
Cal Records Count: 0

Interval Records: Disabled Number Interval Records: 0
History Records: Disabled Number History Records: 0
Run/Stop Records: Number Run/Stop Records: 2

File Translated: Z:\Vista Env\2007\070801 - Orange-SullyMiller\Noise\Noise Measurements\Pool\Pool.slmdl
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.283 / 3.120
Name: Vista Environmental
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm&rta.ssa / SLM & Real-Time Analyzer
Location: Laguna Beach High School Pool
Note1: 15' southeast of pool approximately 50 people in pool area
Note2: outside of wrought iron fence

Overall Any Data
Start Time: 29-Jul-2009 14:27:25
Elapsed Time: 00:10:00.6

	A Weight	C Weight	Flat
Leq:	66.6 dBA	68.9 dBC	69.4 dBF
SEL:	94.4 dBA	96.7 dBC	97.2 dBF
Peak:	102.2 dBA	103.5 dBC	103.5 dBF
	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27
Lmax (slow):	77.3 dBA	77.1 dBC	77.1 dBF
	29-Jul-2009 14:35:38	29-Jul-2009 14:27:26	29-Jul-2009 14:27:26
Lmin (slow):	60.5 dBA	65.1 dBC	65.5 dBF
	29-Jul-2009 14:30:48	29-Jul-2009 14:31:59	29-Jul-2009 14:31:59
Lmax (fast):	82.5 dBA	81.1 dBC	81.5 dBF
	29-Jul-2009 14:35:38	29-Jul-2009 14:35:38	29-Jul-2009 14:35:38
Lmin (fast):	57.9 dBA	63.7 dBC	64.3 dBF
	29-Jul-2009 14:31:15	29-Jul-2009 14:27:39	29-Jul-2009 14:27:39
Lmax (impulse):	84.0 dBA	85.1 dBC	85.1 dBF
	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27
Lmin (impulse):	60.8 dBA	65.1 dBC	65.5 dBF
	29-Jul-2009 14:30:48	29-Jul-2009 14:31:59	29-Jul-2009 14:31:59

Spectra

Date	Time	Run Time
29-Jul-2009	14:27:25	00:10:00.6

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	53.4		55.1		30.1		630	56.9		58.5		46.3	
16.0	53.2	58.3	55.5	62.1	34.1	38.6	800	58.6		63.6		48.1	
20.0	53.9		59.7		35.7		1000	59.4	63.7	61.4	70.3	46.9	51.8
25.0	52.0		54.5		36.2		1250	58.7		68.5		45.8	
31.5	54.0	58.6	66.8	68.4	37.7	43.4	1600	57.2		62.8		47.0	
40.0	55.0		62.6		40.7		2000	55.2	60.3	64.7	76.3	45.2	50.1
50.0	55.4		65.5		43.7		2500	53.3		75.8		42.8	
63.0	56.3	59.9	60.0	67.1	44.1	47.9	3150	50.2		72.3		41.7	
80.0	53.0		57.8		41.2		4000	47.2	52.6	52.6	72.4	39.2	44.4
100	54.3		54.1		39.3		5000	43.8		56.0		36.4	
125	60.9	62.0	60.7	62.2	55.1	55.3	6300	39.7		50.4		32.7	
160	49.5		53.6		38.4		8000	36.4	42.0	41.5	51.1	29.8	35.1
200	49.1		56.0		40.8		10000	33.3		37.3		26.3	
250	49.9	54.7	57.2	62.0	41.8	46.5	12500	30.2		34.6		23.3	
315	50.6		58.1		42.5		16000	26.8	32.4	32.3	37.0	20.8	26.5
400	53.5		61.8		46.5		20000	23.4		26.8		20.7	
500	56.1	60.5	62.6	66.1	47.0	51.4							

Ln Start Level: 15 dB

L1.00	0.0 dBA	L50.00	0.0 dBA	L95.00	0.0 dBA
L5.00	0.0 dBA	L90.00	0.0 dBA	L99.00	0.0 dBA

Detector: Slow
Weighting: A
SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
SPL Exceedance level 2: 120 dB Exceeded: 0 times
Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
Peak-2 Exceedance Level: 100 dB Exceeded: 1 times
Hysteresis: 2
Overloaded: 0 time(s)
Paused: 0 times for 00:00:00.0

File Translated: Z:\Vista Env\2007\070801 - Orange-SullyMiller\Noise\Noise Measurements\Pool\Pool.slmdl
Model/Serial Number: 824 / A3176

Current Any Data
Start Time: 29-Jul-2009 14:27:25
Elapsed Time: 00:10:00.6

	A Weight	C Weight	Flat
Leq:	66.6 dBA	68.9 dBC	69.4 dBF
SEL:	94.4 dBA	96.7 dBC	97.2 dBF
Peak:	102.2 dBA	103.5 dBC	103.5 dBF
	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27
Lmax (slow):	77.3 dBA	77.1 dBC	77.1 dBF
	29-Jul-2009 14:35:38	29-Jul-2009 14:27:26	29-Jul-2009 14:27:26
Lmin (slow):	60.5 dBA	65.1 dBC	65.5 dBF
	29-Jul-2009 14:30:48	29-Jul-2009 14:31:59	29-Jul-2009 14:31:59
Lmax (fast):	82.5 dBA	81.1 dBC	81.5 dBF
	29-Jul-2009 14:35:38	29-Jul-2009 14:35:38	29-Jul-2009 14:35:38
Lmin (fast):	57.9 dBA	63.7 dBC	64.3 dBF
	29-Jul-2009 14:31:15	29-Jul-2009 14:27:39	29-Jul-2009 14:27:39
Lmax (impulse):	84.0 dBA	85.1 dBC	85.1 dBF
	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27	29-Jul-2009 14:29:27
Lmin (impulse):	60.8 dBA	65.1 dBC	65.5 dBF
	29-Jul-2009 14:30:48	29-Jul-2009 14:31:59	29-Jul-2009 14:31:59

Calibrated: 29-Jul-2009 14:25:33 Offset: -48.0 dB
Checked: 29-Jul-2009 14:25:33 Level: 94.0 dB
Calibrator not set Level: 94.0 dB
Cal Records Count: 1

Interval Records: Disabled Number Interval Records: 0
History Records: Disabled Number History Records: 0
Run/Stop Records: Number Run/Stop Records: 2

APPENDIX F

FHWA Model On-Site Roadway Noise Calculation Printouts

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Road Name: I-215 | Project Name: Sapphire Hotel & Event Center
Lot Number: Event Center | Job Number: 19016

NOISE MODEL INPUTS

Highway Data

Average Daily Traffic:	85,000 vehicles
Peak Hour Volume:	8,500 vehicles
Vehicle Speed:	65 mph
Near/Far Lane Distance:	80 feet

Vehicle Mix

	Day	Evening	Night	Daily
Autos:	64.2%	13.2%	15.4%	92.8%
Medium Trucks:	2.1%	0.4%	1.1%	3.6%
Heavy Trucks:	2.0%	0.2%	1.5%	3.6%

Site Data

Barrier Height Unmitigated:	**0 feet**
Barrier Height Mitigated:	**0 feet**
Barrier Type(Wall/Berm):	Berm
Site Conditions(Hard/Soft):	Soft
Centerline (C.L.) Dist. to Barrier:	120 feet
C.L. Dist. To Observer (Patio):	250 feet
Barrier Dist. To Observer (Patio):	130 feet
C.L. Dist. to Barrier (Balcony):	120 feet
C.L. Dist. To Observer (Balcony):	140 feet
Barrier Dist. To Observer (Balcony):	20 feet
Road Grade:	0.00 %
Left View:	-90 degrees
Right View:	90 degrees

Elevations

Barrier Base Elevation:	1,571.0 feet
Road Elevation:	1,557.0 feet
Noise Source Elevation above Road	
Autos:	0 feet
Med Trucks:	2.3 feet
Hvy Trucks:	8 feet
Pad Elevation:	1,571.0 feet
Observer Heights Above Pad Elevation	
Exterior:	5 feet
First Floor:	5.5 feet
Second Floor:	14 feet

FHWA NOISE MODEL CALCULATIONS

	REMEL	Traffic Flow	Distance	Finite Road	Grade	Barrier Attenuation Exterior	1st Flr	2nd Flr
Autos:	75.54	5.54	-10.52	-1.20	0.00	-10.8	0	0
Med Trucks:	81.71	-8.61	-10.52	-1.20	0.00	-10.22	0	0
Hvy Trucks:	85.21	-8.55	-10.52	-1.20	0.00	-8.1	0	0

NOISE LEVELS (without topographical attenuation)

	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	61.6	58.8	58.0	53.9	61.4	61.9
Med Trucks:	54.2	36.6	35.2	34.9	41.6	41.8
Hvy Trucks:	59.8	42.0	37.9	41.9	48.3	48.4
Traffic Noise:	**64.2**	**59.0**	**58.0**	**54.2**	**62**	**62**

NOISE LEVELS (with topographical attenuation (Elevation Difference between Site and I-215))

	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	58.6	55.8	55.0	50.9	58.4	58.9
Med Trucks:	51.2	33.6	32.2	31.9	38.6	38.8
Hvy Trucks:	56.8	39.0	34.9	38.9	45.3	45.4
Traffic Noise:	**61.2**	**56.0**	**55.0**	**51.2**	**59**	**59**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Road Name: I-215 | Project Name: Sapphire Hotel & Event Center
Lot Number: Hotel Pool Area | Job Number: 19016

NOISE MODEL INPUTS

Highway Data

Average Daily Traffic:	85,000 vehicles
Peak Hour Volume:	8,500 vehicles
Vehicle Speed:	65 mph
Near/Far Lane Distance:	80 feet

Vehicle Mix

	Day	Evening	Night	Daily
Autos:	64.2%	13.2%	15.4%	92.8%
Medium Trucks:	2.1%	0.4%	1.1%	3.6%
Heavy Trucks:	2.0%	0.2%	1.5%	3.6%

Site Data

Barrier Height Unmitigated:	**0 feet**
Barrier Height Mitigated:	**0 feet**
Barrier Type(Wall/Berm):	Berm
Site Conditions(Hard/Soft):	Soft
Centerline (C.L.) Dist. to Barrier:	120 feet
C.L. Dist. To Observer (Patio):	470 feet
Barrier Dist. To Observer (Patio):	350 feet
C.L. Dist. to Barrier (Balcony):	120 feet
C.L. Dist. To Observer (Balcony):	123 feet
Barrier Dist. To Observer (Balcony):	3 feet
Road Grade:	0.00 %
Left View:	-10 degrees
Right View:	90 degrees

Elevations

Barrier Base Elevation:	1,567.0 feet
Road Elevation:	1,550.0 feet
Noise Source Elevation above Road	
Autos:	0 feet
Med Trucks:	2.3 feet
Hvy Trucks:	8 feet
Pad Elevation:	1,567.0 feet
Observer Heights Above Pad Elevation	
Exterior:	5 feet
First Floor:	5.5 feet
Second Floor:	14 feet

FHWA NOISE MODEL CALCULATIONS

	REMEL	Traffic Flow	Distance	Finite Road	Grade	Barrier Attenuation Exterior	1st Flr	2nd Flr
Autos:	75.54	5.54	-14.68	-3.60	0.00	-14.1	0	0
Med Trucks:	81.71	-8.61	-14.68	-3.60	0.00	-13.88	0	0
Hvy Trucks:	85.21	-8.55	-14.68	-3.60	0.00	-11	0	0

NOISE LEVELS (without topographical attenuation)

	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	51.7	49.0	48.1	44.0	51.5	52.0
Med Trucks:	43.9	26.4	25.0	24.7	31.4	31.6
Hvy Trucks:	50.4	32.6	28.4	32.4	38.8	38.9
Traffic Noise:	**54.5**	**49.1**	**48.2**	**44.4**	**52**	**52**

NOISE LEVELS (with topographical attenuation (Elevation Difference between Site and I-215))

	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	48.7	46.0	45.1	41.0	48.5	49.0
Med Trucks:	40.9	23.4	22.0	21.7	28.4	28.6
Hvy Trucks:	47.4	29.6	25.4	29.4	35.8	35.9
Traffic Noise:	**51.5**	**46.1**	**45.2**	**41.4**	**49**	**49**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Road Name: I-215

Project Name: Sapphire Hotel & Event Center
Job Number: 19016

NOISE MODEL INPUTS

Highway Data

Average Daily Traffic:	85,000	vehicles
Peak Hour Volume:	8,500	vehicles
Vehicle Speed:	65	mph
Near/Far Lane Distance:	80	feet

Vehicle Mix

	Day	Evening	Night	Daily
Autos:	64.2%	13.2%	15.4%	92.8%
Medium Trucks:	2.1%	0.4%	1.1%	3.6%
Heavy Trucks:	2.0%	0.2%	1.5%	3.6%

Site Data

Barrier Type(Wall/Berm):	Berm	
Site Conditions(Hard/Soft):	Soft	
Centerline(C.L.) Dist. to Barrier(Slope):	120	feet
C.L. Dist. To Observer (facade):	185	feet
Barrier Dist. To Observer(facade):	65	feet
Road Grade:	0.00	%
Left View:	-90	degrees
Right View:	90	degrees

Elevations

Barrier Base Elevation:	1,567.0	feet
Road Elevation:	1,550.0	feet
Noise Source Elevation above Road		
Autos:	0	feet
Med Trucks:	2.3	feet
Hvy Trucks:	8	feet
Pad Elevation:	1,567.0	feet
Observer Heights Above Pad Elevation		
First Floor:	5.5	feet
Second Floor:	11.5	feet
Third Floor:	21.4	feet
Fourth Floor:	31.4	feet

FHWA NOISE MODEL CALCULATIONS

	REMEL	Traffic Flow	Distance	Finite Road	Grade	Barrier Attenuation 1st Flr	2nd Flr	3rd Flr
Autos:	75.54	5.54	-8.52	-1.20	0.00	-9.48	-11.79	0
Med Trucks:	81.71	-8.61	-8.52	-1.20	0.00	-9	0	0
Hvy Trucks:	85.21	-8.55	-8.52	-1.20	0.00	-7.9	0	0

NOISE LEVELS (Ground Level)

	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	61.9	59.2	58.3	54.2	61.7	62.2
Med Trucks:	54.4	36.9	35.5	35.1	41.8	42.1
Hvy Trucks:	59.0	41.2	37.1	41.1	47.5	47.6
Traffic Noise:	**64**	**59**	**58**	**54**	**62**	**62**

NOISE LEVELS (Second Floor)

	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	62.2	59.5	58.6	54.5	62.0	62.6
Med Trucks:	66.0	48.5	47.1	46.8	53.4	53.7
Hvy Trucks:	69.6	51.8	47.6	51.7	58.0	58.1
Traffic Noise:	**72**	**60**	**59**	**57**	**64**	**64**

NOISE LEVELS (Third Floor)

	Leq Peak Hour	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	73.8	71.1	70.3	66.2	73.7	74.2
Med Trucks:	65.9	48.3	46.9	46.6	53.3	53.6
Hvy Trucks:	69.4	51.6	47.5	51.5	57.9	58.0
Traffic Noise:	**76**	**71**	**70**	**66**	**74**	**74**

APPENDIX G

Proposed Hotel Rooms Exterior to Interior Attenuation Calculations

Interior Noise Calculations

Project Name: Sapphire Hotel & Event Center

Room Type: IBD Suite

Room Absorption

Type of Surface	Area	Sound Absorption Coefficient, Hz						Sound Absorption (Sabins)					
	(Sq ft)	125	250	500	1000	2000	4000	125	250	500	1000	2000	4000
Floor - Carpet*	760	0.1	0.4	0.62	0.7	0.63	0.88	75.95	303.8	470.89	531.65	478.49	668.36
Floor - Linoleum	0	0.02	0.03	0.03	0.03	0.03	0.02	0	0	0	0	0	0
Ceiling - Gypsum Board	760	0.29	0.1	0.05	0.04	0.07	0.09	220.26	75.95	37.975	30.38	53.165	68.355
Wall - Gypsum board	1027	0.29	0.1	0.05	0.04	0.07	0.09	297.83	102.7	51.35	41.08	71.89	92.43
Total	2546							594.04	482.45	560.22	603.11	603.54	829.15
		10*log(S/A) S=Exterior wall area, A= Sound Absorption						-0.88	0.02	-0.63	-0.95	-0.95	-2.33
		Sound Source Adjustment Factor						-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		Correction Factor for A-Weighted Sound Levels						-16.10	-8.60	-3.20	0.00	1.20	1.00
		A-Weighted Sound Absorption Level						-22.98	-14.58	-9.83	-6.95	-5.75	-7.33
		dBA Noise Absorption Level						**-1.0**					

Exterior-Interior Transmission Calculations

Type of Surface	Area (Sq ft)	STC Rating	Fractional Area (Area/10^(STC/10))
Stucco Wall	390	46	0.0098
Window	60	28	0.0951
Exterior Door	35	28	0.0555
Total	485		0.0003
	Transmission Loss		**34.8**

28 STC = Standard commercial window sound transmission class (STC) rating

Exterior-Interior Noise Reduction

(Transmission Loss - Sound Absorption Level)

36 dBA

*Carpet analyzed consisted of 3/8" Loop Pile with Pad

Sources:

Fundamentals of Accoustics 4th Edition , Lawrence E. Kinsler, 2000.

Noise Control in Buildings , Cyril M. Harris, 1994.