Appendix J

Noise and Vibration Technical Report

BELMONT VILLAGE SENIOR LIVING – WESTWOOD PRESBYTERIAN CHURCH PROJECT

Noise and Vibration Technical Report

Prepared by DKA Planning
20445 Prospect Road, Suite C
San Jose, CA 95129
May 2020

Environmental Impact Analysis

Noise and Vibration

1. Introduction

This section evaluates noise and vibration impacts that would be generated by construction and operation of the Project. The analysis compares these impacts to applicable regulations and thresholds of significance. Noise measurement technical reports, calculation worksheets, and a map of noise receptors and measurement locations are included in the attached Appendix.

2. Environmental Setting

a) Fundamentals of Noise and Vibration

(1) Introduction to Noise

(a) Characteristics of Sound

Sound can be described in terms of its loudness (amplitude) and frequency (pitch). The standard unit of measurement for sound is the decibel (i.e., dB). Because the human ear is not equally sensitive to sound at all frequencies, the A-weighted scale (dBA) is used to reflect the normal hearing sensitivity range. On this scale, the range of human hearing extends from 3 to 140 dBA. **Table 1** provides examples of A-weighted noise levels from common sources.

Table 1
A-Weighted Decibel Scale

Typical A-Weighted Sound Levels	Sound Level (dBA L_{eq})
Near Jet Engine	130
Rock and Roll Band	110
Jet flyover at 1,000 feet	100
Power Motor	90
Food Blender	80
Living Room Music	70
Human Voice at 3 feet	60
Residential Air Conditioner at 50 feet	50
Bird Calls	40
Quiet Living Room	30

Average Whisper	20
Rustling Leaves	10

Source: Cowan, James P., Handbook of Environmental Acoustics, 1993.
These noise levels are approximations intended for general reference and informational use. They do not meet the standard required for detailed noise analysis, but are provided for the reader to gain a rudimentary concept of various noise levels.

(b) Noise Definitions

This noise analysis discusses sound levels in terms of equivalent noise level (L_{eq}), maximum noise level (L_{max}) and the Community Noise Equivalent Level (CNEL).

Equivalent Noise Level (L_{eq}): L_{eq} represents the average noise level on an energy basis for a specific time period. Average noise level is based on the energy content (acoustic energy) of sound. For example, the L_{eq} for one hour is the energy average noise level during that hour. L_{eq} can be thought of as a continuous noise level of a certain period equivalent in energy content to a fluctuating noise level of that same period. L_{eq} is expressed in units of dBA.

Maximum Noise Level (L_{max}): L_{max} represents the maximum instantaneous noise level measured during a given time period.

Community Noise Equivalent Level (CNEL): CNEL is an adjusted noise measurement scale of average sound level during a 24-hour period. Due to increased noise sensitivities during evening and night hours, human reaction to sound between 7:00 P.M. and 10:00 P.M. is as if it were actually 5 dBA higher than had it occurred between 7:00 A.M. and 7:00 P.M. From 10:00 P.M. to 7:00 A.M., humans perceive sound as if it were 10 dBA higher. To account for these sensitivities, CNEL figures are obtained by adding an additional 5 dBA to evening noise levels between 7:00 P.M. and 10:00 P.M. and 10 dBA to nighttime noise levels between 10:00 P.M. and 7:00 A.M. Because of this, 24-hour CNEL figures are always higher than their corresponding actual 24-hour averages.

(c) Effects of Noise

The degree to which noise can impact an environment ranges from levels that interfere with speech and sleep to levels that can cause adverse health effects. Most human response to noise is subjective. Factors that influence individual responses include the intensity, frequency, and pattern of noise; the amount of background noise present; and the nature of work or human activity exposed to intruding noise.

According to the National Institute of Health (NIH), extended or repeated exposure to sounds at or above 85 dB can cause hearing loss. Sounds of 75 dBA or less, even after continuous exposure, are unlikely to cause hearing loss.[1] The World Health Organization (WHO) reports that adults should not be exposed to sudden "impulse" noise events of 140 dB or greater. For children, this limit is 120 dB.[2]

Exposure to elevated nighttime noise levels can disrupt sleep, leading to increased levels of fatigue and decreased work or school performance. For the preservation of healthy sleeping environments, the WHO recommends that continuous interior noise levels not exceed 30 dBA, L_{eq} and that individual noise events of 45 dBA or higher be limited.[3] Assuming a conservative exterior to interior sound reduction of 15 dBA, continuous exterior noise levels should therefore not exceed 45 dBA L_{eq}. Individual exterior events of 60 dBA or higher should also be limited.

Some epidemiological studies have shown a weak association between long-term exposure to noise levels of 65 to 70 dBA, L_{eq} and cardiovascular effects, including ischemic heart disease and hypertension. However, at this time, the relationship is largely inconclusive.

People with normal hearing sensitivity can recognize small perceptible changes in sound levels of approximately 3 dBA. Changes of at least 5 dBA can be readily noticeable and may cause community reactions. Sound level increases of 10 dBA or greater are perceived as a doubling in loudness and can provoke a community response.[4] However, few people are highly annoyed by noise levels below 55 dBA L_{eq}.[5]

(d) Noise Attenuation

Noise levels decrease as the distance from noise sources to receivers increases. For each doubling of distance, noise from stationary sources, commonly referred to as "point sources," can decrease by approximately 6 dBA over hard surfaces (e.g., reflective surfaces such as parking lots) and 7.5 dBA over soft surfaces (e.g., absorptive surfaces such as soft dirt and grass). For example, if a point source produces a noise level of 89 dBA at a reference distance of 50 feet and over an asphalt surface, its noise level would be approximately 83 dBA at a distance of 100 feet, 77 dBA at 200 feet, etc. Noises

1 National Institute of Health, National Institute on Deafness and Other Communication, www.nidcd.nih.gov/health/noise-induced-hearing-loss.

2 World Health Organization, Guidelines for Community Noise, 1999.

3 Ibid.

4 Federal Transit Administration, Transit Noise and Vibration Impact Assessment, 2006.

5 World Health Organization, Guidelines for Community Noise, 1999.

generated by mobile “line” sources such as roadways decrease by approximately 3 dBA over hard surfaces and 4.5 dBA over soft surfaces for each doubling of distance.

Noise is most audible when traveling by direct line of sight, an unobstructed visual path between noise source and receptor. Barriers that break line of sight between sources and receivers, such as walls and buildings, can greatly reduce source noise levels by allowing noise to reach receivers by diffraction only. As a result, sound barriers can reduce source noise levels by up to 20 dBA, though it is generally infeasible for temporary barriers to reduce noise levels by more than 15 dBA.[6] The effectiveness of barriers can be greatly reduced when they are not high or long enough to completely break line of sight from sources to receivers.

It should be noted that because decibels are logarithmic units, they cannot be simply added or subtracted. For example, two cars each producing 60 dBA of noise would not produce a combined 120 dBA.

(2) Introduction to Vibration

(a) Characteristics of Vibration

Vibration is an oscillatory motion through a solid medium in which the motion’s amplitude can be described in terms of displacement, velocity, and acceleration. Unlike noise, vibration is not a common environmental problem, as it is unusual for vibration from vehicle sources to be perceptible. Common sources of vibration include trains, construction activities, and certain industrial operations.

(b) Effects of Vibration

High levels of vibration may cause physical personal injury or damage to buildings. However, vibration levels rarely affect human health. In addition, high levels of vibration may damage fragile buildings or interfere with equipment that is highly sensitive to vibration (e.g., electron microscopes).

Unlike noise, groundborne vibration is not an environmental issue that most people experience every day. Background vibration levels in residential areas are usually well below the threshold of perception for humans, approximately 0.01 inch per second.[7]

6 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013.

7 Ibid.

Perceptible indoor vibrations are most often caused by sources within buildings themselves, such as slamming doors or heavy footsteps. Common outdoor sources of groundborne vibration include construction equipment, trains, and traffic on rough or unpaved roads. Traffic vibration from smooth and well-maintained roads is typically not perceptible.

(c) Vibration Definitions

This analysis discusses vibration in terms of Peak Particle Velocity (PPV). PPV is commonly used to describe and quantify vibration impacts to buildings and other structures. PPV levels represent the maximum instantaneous peak of a vibration signal and are usually measured in inches per second.[8]

b) Regulatory Framework

(1) Noise

(a) Federal

Currently, no federal noise standards regulate environmental noise associated with short-term construction activities or long-term operations of development projects. As such, temporary and long-term noise impacts produced by the Project would be largely regulated or evaluated by State and City of Los Angeles standards designed to protect public well-being and health.

(b) State

2017 General Plan Guidelines

The State's 2017 General Plan Guidelines establish county and city standards for acceptable exterior noise levels based on land use. These standards are incorporated into land use planning processes to prevent or reduce noise and land use incompatibilities. **Table 2** illustrates State compatibility considerations between various land uses and exterior noise levels.

[8] Federal Transit Administration (FTA), Transit Noise and Vibration Impact Assessment Manual, 2018.

Table 2
State of California Noise/Land Use Compatibility Matrix

Land Use Compatibility	Community Noise Exposure (dBA, CNEL)							
	<	55	60	65	70	75	80	>
Residential – Low Density Single-Family, Duplex Mobile Homes	NA							
		CA						
					NU			
					CU			
Residential – Multi-Family	NA							
			CA					
					NU			
					CU			
Transient Lodging – Motels, Hotels	NA							
			CA					
					NU			
							CU	
Schools, Libraries, Churches, Hospitals, Nursing Homes	NA							
			CA					
					NU			
							CU	
Auditoriums, Concert Halls, Amphitheaters								
	CA							
				CU				
Sports Arenas, Outdoor Spectator Sports								
	CA							
					CU			
Playgrounds, Neighborhood Parks	NA							
				NU				
						CU		
Golf Courses, Riding Stables, Water Recreation, Cemeteries	NA							
				NU				
								CU
Office Buildings, Business Commercial and Professional	NA							
				CA				
						NU		
Industrial, Manufacturing, Utilities, Agriculture	NA							
				CA				
						NU		

NA = Normally Acceptable - Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.

CA = 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 included in the design. Conventional construction, but with closed windows and fresh air supply system or air conditioning will normally suffice.

NU = Normally Unacceptable - New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

CU = Clearly Unacceptable - New construction or development should generally not be undertaken.

Source: California Office of Planning and Research, General Plan Guidelines - Noise Element Guidelines (Appendix D), Figure 2, 2017.

(c) City of Los Angeles

General Plan Noise Element

The City of Los Angeles General Plan includes a Noise Element that includes policies and standards in order to guide the control of noise to protect residents, workers, and visitors. Its primary goal is to regulate long-term noise impacts to preserve acceptable noise environments for all types of land uses. However, the Noise Element contains no quantitative or other thresholds of significance for evaluating a project's noise or vibration impacts. Instead, it adopts the State's guidance on noise and land use compatibility, shown in **Table 2** above, "to help guide determination of appropriate land use and mitigation measures vis-à-vis existing or anticipated ambient noise levels."

Los Angeles Municipal Code

The City of Los Angeles Municipal Code (the "LAMC") contains a number of regulations that would apply to the Project's temporary construction activities and long-term operations.

Section 41.40(a) would prohibit Project construction activities from occurring between the hours of 9:00 P.M. and 7:00 A.M., Monday through Friday. Subdivision (c) would further prohibit such activities from occurring before 8:00 A.M. or after 6:00 P.M. on any Saturday, or on any Sunday or national holiday.

> *SEC.41.40. NOISE DUE TO CONSTRUCTION, EXCAVATION WORK—WHEN PROHIBITED.*
>
> (a) No person shall, between the hours of 9:00 P.M. and 7:00 A.M. of the following day, perform any construction or repair work of any kind upon, or any excavating for, any building or structure, where any of the foregoing entails the use of any power drive drill, riveting machine excavator or any other machine, tool, device or equipment which makes loud noises to the disturbance of persons occupying sleeping quarters in any dwelling hotel or apartment or other place of residence. In addition, the operation, repair or servicing of construction equipment and the job-site delivering of construction materials in such areas shall be prohibited during the hours herein specified. Any person who knowingly and willfully violates the foregoing provision shall be deemed guilty of a misdemeanor punishable as elsewhere provided in this Code.
>
> (c) No person, other than an individual homeowner engaged in the repair or construction of his single-family dwelling shall perform any construction or repair work of any kind upon, or any earth grading for, any building or structure located on land developed with residential buildings under the provisions of Chapter I of this Code, or perform such work within 500 feet of land so occupied, before 8:00 A.M. or after 6:00 P.M. on any Saturday or national holiday nor at any time on any Sunday. In addition, the

operation, repair, or servicing of construction equipment and the job-site delivering of construction materials in such areas shall be prohibited on Saturdays and on Sundays during the hours herein specific…

Section 112.05 of the LAMC establishes noise limits for powered equipment and hand tools operated within 500 feet of residential zones. Of particular importance to construction activities is subdivision (a), which institutes a maximum noise limit of 75 dBA for the types of construction vehicles and equipment that would likely be used for the Project's construction. However, the LAMC notes that these limitations would not necessarily apply if it can be proven that the Project's compliance would be technically infeasible despite the use of noise-reducing means or methods.

SEC. 112.05. MAXIMUM NOISE LEVEL OF POWERED EQUIPMENT OR POWERED HAND TOOLS

Between the hours of 7:00 A.M. and 10:00 P.M., in any residential zone of the City or within 500 feet thereof, no person shall operate or cause to be operated any powered equipment or powered hand tool that produces a maximum noise level exceeding the following noise limits at a distance of 50 feet therefrom:

(a) 75 dBA for construction, industrial, and agricultural machinery including crawler-tractors, dozers, rotary drills and augers, loaders, power shovels, cranes, derricks, motor graders, paving machines, off-highway trucks, ditchers, trenchers, compactors, scrapers, wagons, pavement breakers, compressors and pneumatic or other powered equipment;

(b) 75 dBA for powered equipment of 20 HP or less intended for infrequent use in residential areas, including chain saws, log chippers and powered hand tools;

(c) 65 dBA for powered equipment intended for repetitive use in residential areas, including lawn mowers, backpack blowers, small lawn and garden tools and riding tractors.

Said noise limitations shall not apply where compliance therewith is technically infeasible. The burden of proving that compliance is technically infeasible shall be upon the person or persons charged with a violation of this section. Technical infeasibility shall mean that said noise limitations cannot be complied with despite the use of mufflers, shields, sound barriers and/or other noise reduction device or techniques during the operation of the equipment.

Section 112.01 of the LAMC would prohibit any amplified noises, especially those from outdoor sources (e.g., outdoor speakers, stereo systems) from exceeding the ambient noise levels of adjacent properties by more than 5 dBA. Any amplified noises would also be prohibited from being audible at any distance greater than 150 feet from the Project's property line, as the Project is located within 500 feet of residential zones.

SEC.112.01. RADIOS, TELEVISION SETS, AND SIMILAR DEVICES

(a) It shall be unlawful for any person within any zone of the City to use or operate any radio, musical instrument, phonograph, television receiver, or other machine or device for the producing, reproducing or amplification of the human voice, music, or any other sound, in such a manner, as to disturb the peace, quiet, and comfort of neighbor occupants or any reasonable person residing or working in the area.

(b) Any noise level caused by such use or operation which is audible to the human ear at a distance in excess of 150 feet from the property line of the noise source, within any residential zone of the City or within 500 feet thereof, shall be a violation of the provisions of this section.

(c) Any noise level caused by such use or operation which exceeds the ambient noise level on the premises of any other occupied property, or if a condominium, apartment house, duplex, or attached business, within any adjoining unit, by more than five (5) decibels shall be a violation of the provisions of this section.

Section 112.02(a) would prevent Project heating, ventilation, and air conditioning (HVAC) systems and other mechanical equipment from elevating ambient noise levels at neighboring residences by more than 5 dBA.

SEC.112.02. AIR CONDITIONING, REFRIGERATION, HEATING, PLUMBING, FILTERING EQUIPMENT

(a) It shall be unlawful for any person, within any zone of the city, to operate any air conditioning, refrigeration or heating equipment for any residence or other structure or to operate any pumping, filtering or heating equipment for any pool or reservoir in such manner as to create any noise which would cause the noise level on the premises of any other occupied property…to exceed the ambient noise level by more than five decibels.

L.A. CEQA Thresholds Guide

The City's L.A. CEQA Thresholds Guide provides "citywide guidance for CEQA impact analysis" for projects developed "under normal circumstances[.]"[9] It "recognizes that the impacts resulting from a particular action depend on the project setting, design and operational components and that the determination of significance and the appropriate criteria for evaluation are the responsibility of the lead agency."[10]

The L.A. CEQA Threshold Guide's standard construction noise threshold of significance normally considers an impact significant if construction activities lasting more than one day would exceed existing ambient exterior noise levels by 10 dBA or more at a noise

[9] L.A. CEQA Thresholds Guide, page vii.
[10] L.A. CEQA Thresholds Guide, page viii.

sensitive use, or if construction activities lasting longer than 10 days in a three month period would exceed existing ambient exterior noise levels by 5 dBA or more at a noise sensitive use.

(2) Vibration

For the evaluation of construction-related vibration impacts, Federal Transit Administration (FTA) guidelines and recommendations are used in the absence of federal, County, and City standards specific to temporary construction activities.

(a) Federal

Federal Transit Administration (FTA)

Though not regulatory in nature, the FTA has established vibration impact criteria for buildings and other structures, as potential building and structural damages are the generally the foremost concern when evaluating the impacts of construction-related vibrations. **Table 3** summarizes the FTA's vibration guidelines for building and structural damage.

Table 3
FTA Construction Vibration Damage Criteria

Building Category	PPV (in/sec)
I. Reinforced concrete, steel or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12
Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.	

(b) State

There are no State standards that directly regulate groundborne vibration related to the construction or operation of the Project.

(c) City of Los Angeles

There are no City standards that directly regulate groundborne vibration related to the construction or operation of the Project.

c) Existing Conditions

(1) Noise-Sensitive Receptors

Land uses sensitive to noise may include residences, transient lodgings, schools, libraries, churches, hospitals, nursing homes, auditoriums, concert halls, amphitheaters, playgrounds, and parks. The Wilshire Boulevard corridor in Westwood has a high concentration of residences, institutional uses (e.g., churches, schools), and other uses that may be sensitive to temporary or long-term noise. Noise-sensitive receptors within 1,000 feet of the Project Site include but are not limited to the following:

- Single-family residence at 10808 Ashton Avenue, 5 feet east of the Project Site.
- Wilshire Villa Apartments, multi-family residences, 10811 Ashton Avenue; 10 feet east of the Project Site.
- Californian on Wilshire, multi-family residences, 10800 Wilshire Boulevard; 30 feet east of the Project Site.
- Single-family residences on the 10800 block of Wellworth Avenue (north side), 30 feet south of the Project Site.
- Legacy at Westwood, multi-family residences, 10833 Wilshire Boulevard; 140 feet north of the Project Site.

(2) Existing Ambient Noise Levels

In January 2019, DKA Planning took short-term daytime noise measurements near the Project site to determine the ambient noise conditions of the neighborhood at locations that could be impacted by short-term construction and long-term operation noise (**Figure 1**). Ambient noise levels in the vicinity of the Project Site are largely a function of traffic noise. As shown in **Table 4**, the highest ambient noise levels are at the Legacy apartments across Wilshire Boulevard from the Project Site. As these residences facing the Project Site are already exposed to traffic noise from Wilshire Boulevard, ambient noise levels are higher than the other receptor locations. While other receptor locations are also influenced by traffic noise, ambient noise levels are lower because these residences have less exposure to Wilshire Boulevard and larger collector roads that have more traffic.

Figure 1
Sensitive Receptors and Noise Measurement Locations

Table 4
Existing Noise Levels

Noise Monitoring Locations	Sound Levels (dBA, L_{eq})
Wilshire Villa Apartments	54.3
Ashton Avenue residences	53.0
Wellworth Avenue residences	49.4
Californian on Wilshire apartments	57.6
Legacy at Westwood apartments	72.7
Source: DKA Planning, 2019	

(3) Vibration-Sensitive Receptors

There are residences and other structures near the Project Site that could be susceptible to vibration-related damage to buildings or structures based on their proximity to vibration sources and the condition of those structures. In addition to the noise-sensitive residential receptors noted earlier, the Pierce Brothers Westwood Village Memorial Park and Mortuary, located at 1218 Glendon Avenue, is less than five feet west of the Project Site. The grounds include mausoleums that are built up to the property line and share 220 feet of the western property line of the Project Site.

In addition, the IPIC Westwood movie theater at 10840 Wilshire Boulevard shares 260 feet of the western property line of the Project Site, along with 90 additional feet of a parking garage that supports this theater.

(4) Existing Groundborne Vibration Levels

No sources of groundborne vibration were perceptible at any noise measurement locations. As such, groundborne vibration levels surrounding the Project site are generally imperceptible, suggesting that groundborne vibration levels are typically below the 0.01 inch per second threshold of perception for humans.

3. Project Impacts

a) Methodology

(1) On-Site Construction Activities

Construction noise impacts due to on-site construction activities associated with the Project were evaluated by calculating the construction-related noise levels at representative sensitive receptor locations and comparing these estimated construction-related noise levels associated with construction of the Project to the existing ambient noise levels (i.e., noise levels without construction noise from the Project). Construction noise associated with the Project was analyzed based on the Project's potential construction equipment inventory, construction durations, and construction schedule. Reference equipment noise levels were obtained from the Federal Highway Administration's Roadway Construction Noise Model, version 1.1 (FHWA RCNM 1.1).

Incremental noise increases at nearby sensitive receptors were estimated using logarithmic formulae that consider existing ambient noise levels, cumulative noise levels

from construction equipment, noise management techniques, distance to receptors, and any attenuating features. The distance from construction equipment noise sources (e.g., engines and tailpipes) assume that vehicles would not be capable of operating directly where the Project's property line abuts adjacent structures. These vehicles would retain some setback to preserve maneuverability, in addition to operating at reduced power and intensity to maintain precision at these locations.

(2) Off-Site Construction Activities – Haul Trucks

The Project's off-site construction noise impact from haul trucks was analyzed by considering the Project's estimated haul truck usage with existing traffic and roadway noise levels along the Project's anticipated haul route along City streets in the vicinity of the Project.

(3) On-Site Operational Noise Sources

The Project's operational noise impact from on-site sources was evaluated by identifying sources of on-site noise and considering the impact that they could produce given the nature of the source (i.e., loudness and whether noise would be produced during daytime or more-sensitive nighttime hours), distances to nearby sensitive receptors, surrounding ambient noise levels, the presence of similar noise sources in the vicinity, and maximum allowable noise levels permitted by the LAMC.

(4) Off-Site Operational Noise Sources

The Project's off-site noise impact from Project-related traffic was evaluated based on projected traffic volumes without and with traffic generated by the Project. Any significant increases in traffic volume that could result in audible or significant increases in ambient noise at local sensitive receptors are identified.

(5) Construction Vibration Sources

The Project's potential to generate damaging levels of groundborne vibration was analyzed by identifying construction vibration sources and estimating the maximum vibration levels that they could produce at nearby buildings, based on principles and guidelines recommended by the FTA in its 2018 Transit Noise and Vibration Impact Assessment manual. Vibration levels were then compared with the manual's suggested damage criteria for various types of building categories.

(6) Operational Vibration Sources

The Project's long-term potential to generate damaging levels of groundborne vibration was analyzed by identifying any operational vibration sources and determining whether they would generate any potential to trigger significant impacts based on principles and guidelines recommended by the FTA in its 2018 Transit Noise and Vibration Impact Assessment manual.

b) Thresholds of Significance

(1) State CEQA Guidelines Appendix G

In accordance with Appendix G of the CEQA Guidelines, a project would have a significant impact related to noise if the Project would result in:

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;

b) Generation of excessive groundborne vibration or groundborne noise levels;

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

(2) Construction Noise Thresholds

Based on the City's adopted Noise Ordinance and L.A. CEQA Thresholds Guide, the on-site construction noise impact would be considered significant if:

- Construction noise would exceed the 75 dBA at 50 feet maximum noise level limit for powered equipment established by Section 112.05 of the LAMC. This regulation applies to the on-site operations of powered construction equipment and not to road-legal trucks operating on public rights-of-way;
- Construction activities lasting more than one day would exceed existing ambient exterior noise levels by 10 dBA or more at a noise sensitive use;
- Construction activities lasting more than 10 days in a three month period would exceed existing ambient exterior noise levels by 5 dBA or more at a noise sensitive use; or

- Construction activities would exceed the ambient noise level by 5 dBA at a noise sensitive use between the hours of 9:00 p.m. and 7:00 a.m. Monday through Friday, before 8:00 a.m. or after 6:00 p.m. on Saturday, or at anytime on Sunday.

Construction of the Project would involve activities lasting more than 10 days, and therefore, impacts would be considered significant if ambient noise levels were increased by 5 dBA or more.

(3) Groundborne Vibration Thresholds

In assessing impacts related to noise and vibration in this section, the City will use Appendix G as the thresholds of significance. There are no adopted City standards or other applicable regulations that would govern the Project's vibration impacts. Accordingly, the criteria identified by the FTA in its 2018 Transit Noise and Vibration Impact Assessment manual will be used where applicable and relevant to assist in analyzing the Appendix G thresholds (see **Table 3**).

(4) Operational Noise Thresholds

In addition to applicable City standards and guidelines that would regulate or otherwise moderate the Project's operational noise impacts, the following criteria are adopted to assess the impact of the Project's operational noise sources:

- Project operations would cause ambient noise levels at off-site locations to increase by 3 dBA CNEL or more to or within "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories, as defined by the State's 2017 General Plan Guidelines (see **Table 2**).

- Project operations would cause any 5 dBA or greater noise increase.[11]

c) Analysis of Project Impacts

Threshold a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of

[11] As a 3 dBA increase represents a slightly noticeable change in noise level, this threshold considers any increase in ambient noise levels to or within a land use's "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories to be significant so long as the noise level increase can be considered barely perceptible. In instances where the noise level increase would not necessarily result in "normally unacceptable" or "clearly unacceptable" noise/land use compatibility, a readily noticeable 5 dBA increase is still considered to be significant. Increases less than 3 dBA are unlikely to result in noticeably louder ambient noise conditions and would therefore be considered less than significant.

standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

(1) On-Site Construction Activities

Proposed construction would generate noise during two sequential phases of construction that would cumulatively span approximately 35 months of substantial noise-generating activities:[12]

- Phase I would include demolition of a portion of the Project Site's asphalt surface parking lot and construction of the "Education Center", a pre-school and office campus on the southern portion of the site. This would include 19,703 square feet of office and school floor area in a two-story building along with an outdoor play area at the southwest corner of the property that includes play equipment, sand play surface, and a trike track. This portion of the campus would be built at grade with no excavation or underground structures. Construction equipment and activities would be staged on the northern portion of the Project Site. A total of nine months of noise-generating construction activities would include (note that the sum of the individual phases will not equal nine due to overlapping of some phases):

    - Demolition of asphalt parking lot and grading (3 weeks)[13]
    - Building construction (8.5 months)
    - Minor paving of a small surface-level parking lot (2 months), which would overlap with some of the building construction and architectural coating phases.
    - Application of architectural coatings (3.25 months), which would overlap with some of the building construction and paving phases.

- Phase II would include demolition of the remainder of the asphalt surface parking lot and existing preschool and office uses on the northern portion of the site (the existing church sanctuary would remain). This would include construction of the "Eldercare Facility", a 12-story mixed-use building (containing approximately 175,754 square feet of floor area) with eldercare facilities over a three-level subterranean parking garage. Vehicle access would include a drop-off driveway

12 Post-constructions/pre-operation activities associated with system testing, system commissioning/punchlist, final inspections, and certificate of occupancy for both phases would primarily be completed within the enclosed building using small hand tools, and would not involve the use of large noise-generating construction equipment. Therefore, the construction noise modeling does not include these activities.

13 All construction duration estimates are approximate and based on best currently available information.

along Wilshire Boulevard and entry to the underground garage accessible via driveways from Wilshire Boulevard and Ashton Avenue. Construction equipment and activities would be staged on the southern portion of the Project Site. Phase II improvements would begin immediately after completion of Phase I and would include 26 months of noise-generating construction activities (note that the sum of the individual phases will not equal 26 due to overlapping of some phases):

- Demolition of buildings and asphalt parking lot (3 weeks)
- Grading (5 months)
- Building construction (21 months)
- Paving of surface-level parking and driveways (2 weeks), which would overlap with some of the building construction and architectural coating phases.
- Application of architectural coatings (2.5 months), which would overlap with some of the building construction and paving phases.

During all construction phases, noise-generating activities would occur at the Project site between the hours of 7:00 A.M. and 9:00 P.M. Monday through Friday, in accordance with Section 41.40(a) of the LAMC. On Saturdays, construction would be permitted to occur between 8:00 A.M. and 6:00 P.M. Construction of the Project would require heavy equipment such as excavators, loaders, and other earthmoving vehicles. Smaller equipment such as pump trucks, scissor lifts, generators, and various powered hand tools would also be utilized. Off-site secondary noises would be generated by construction worker vehicles, vendor deliveries, and haul trucks.

Construction of the Project would occur in two sequential phases at opposite ends of the Project Site that impact ambient noise levels at nearby sensitive receptors differently.

Phase I Impacts

During this nine-month construction period, noise would likely peak during the demolition of the asphalt parking lot and single-family home on Ashton Avenue.[14] With the projected use of approximately five pieces of heavy-duty equipment with diesel engines to clear a portion of the site, construction equipment could generate a cumulative noise level of 82

[14] Construction noise is driven by the use of equipment with internal combustion engines, often used during earthmoving activities or removal of manmade structures. The demolition of structures and asphalt involves multiple pieces of diesel-fueled construction equipment such as excavators and dozers. Fine grading typically involves smaller and fewer pieces of equipment with internal combustion engines. Erection of structures like the Education Center usually involves some foundation work and the placement of steel columns, beams and bracing that generally involve smaller equipment such as handheld pneumatic tools powered by compressed air.

dBA L_{eq} at 50 feet of distance. As shown in **Table 5**, given the proximity of sensitive receptors to the work on Phase I and existing ambient noise levels (i.e., 49.4 dBA L_{eq} at Wellworth Avenue residences, 53.0 dBA L_{eq} at Ashton Avenue residences), ambient noise levels would increase by 21.6 and 22.7 dBA L_{eq}, respectively, at these two off-site receptor locations, while ambient noise levels at the Wilshire Villa apartments would increase by 13.0 dBA L_{eq}.

Phase II Impacts

During this 26-month construction period, noise would peak during the excavation and mass grading phase, where approximately 62,000 cubic yards of soil would be removed and hauled to off-site facilities.[15] With the projected use of approximately five pieces of heavy-duty equipment with diesel engines to work this portion of the site, construction equipment could generate a cumulative noise level of 82 dBA L_{eq} at 50 feet of distance. As shown in **Table 6**, given the proximity of sensitive receptors to the work on Phase II and existing ambient noise levels (i.e., 54.3 dBA L_{eq} at Wilshire Villa residences, 57.6 dBA L_{eq} at Californian on Wilshire residences), ambient noise levels would increase substantially more than 5 dBA L_{eq} at off-site receptor locations south of Wilshire Boulevard.

Table 5
Increases in Ambient Noise Levels During Construction Phase I (Unmitigated)

Receptor Location	Construction Noise (dBA, L_{eq})	Existing Ambient Level (dBA, L_{eq})	New Ambient Level (dBA, L_{eq})	Change (dBA, L_{eq})	Signifi-cant?
Wilshire Villa Apartments	67.1	54.3	67.3	13.0	Yes
Ashton Avenue residences	75.7	53.0	75.7	22.7	Yes
Wellworth Avenue residences	71.0	49.4	71.0	21.6	Yes
Californian on Wilshire apartments	59.2	57.6	61.5	3.9	No
Legacy at Westwood apartments	57.4	72.7	72.8	0.1	No
Source: DKA Planning, 2020.					

[15] Mass grading typically larger pieces of equipment with internal combustion engines necessary to excavate thousands of cubic yards of soil. The proposed depth of excavation will require several pieces of heavy equipment, such as excavators and graders to export this soil.

Table 6
Increases in Ambient Noise Levels During Construction Phase II (Unmitigated)

Receptor Location	Construction Noise (dBA, L_{eq})	Existing Ambient Level (dBA, L_{eq})	New Ambient Level (dBA, L_{eq})	Change (dBA, L_{eq})	Signifi-cant?
Wilshire Villa Apartments	75.1	54.3	75.1	20.8	Yes
Ashton Avenue residences	63.8	53.0	64.1	11.1	Yes
Wellworth Avenue residences	56.2	49.4	57.0	7.6	Yes
Californian on Wilshire apartments	72.8	57.6	72.9	15.3	Yes
Legacy at Westwood apartments	66.7	72.7	73.7	1.0	No
Source: DKA Planning, 2020.					

On-site construction activities will therefore result in **potentially significant impacts**, and mitigation will be required.

(2) Off-Site Construction Activities – Haul Trucks

With regard to off-site construction-related noise impacts, Section 112.05 of the LAMC does not regulate noise levels from road legal trucks, such as delivery vehicles, concrete mixing trucks, pumping trucks, and haul trucks. However, the operation of these vehicles would still comply with the construction restrictions set forth by Section 41.40 of the LAMC. The Project is expected to require approximately 4,430 haul trips to export soils to off-site landfills, assuming a capacity of 14 cubic yards per haul truck. This would result in about 50 loaded truck trips per day over the approximately 88-day period to excavate the site. Haul trucks are expected to exit onto Wilshire Boulevard, head east to Beverly Glen, turn onto Santa Monica Boulevard, where trucks would merge onto the I-405 north to the ultimate destination of Chiquita Canyon Landfill.

According to the Federal Highway Administration, a 3 dBA increase in roadway noise levels requires an approximate doubling of roadway traffic volume, assuming that travel speeds and fleet mix remain constant.[16] The grading phase would average approximately 8-9 haul trucks per hour over the proposed six-hour daily haul period between 9:00 A.M and 3:00 P.M. that would travel along Wilshire Boulevard, Beverly Glen, and Santa

[16] Federal Highway Administration, Highway Traffic Noise Analysis and Abatement Policy and Guidance, https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm

Monica Boulevard before accessing freeways to reach landfill locations. A doubling of traffic volumes is required to increase ambient noise levels by 3 dBA. The marginal addition of up to 9 haul trucks per hour to local arterials would represent the equivalent of about 23 passenger vehicles, far less than the doubling of traffic volumes on arterials like Wilshire and Santa Monica Boulevards. For example, approximately 3,795 vehicles travel east- and westbound on Wilshire Boulevard at Selby Avenue during the afternoon peak hour.[17] Haul truck traffic would represent less than one percent of these existing traffic volumes on Wilshire Boulevard, far less than the 100 percent increase necessary to increase ambient noise levels by 3 dBA. As a result, haul trucks would not double traffic volumes that would be needed to increase ambient noise levels by 3 dBA CNEL or more to or within "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories, as defined by the State's 2017 General Plan Guidelines. As a result, the Project's off-site construction noise impact from haul trucks would be considered **less than significant**.

(3) On-Site Operational Noise Sources

During operations, the Project would produce noise from both on- and off-site sources. As discussed below, the Project would not result in the generation of or an exposure of persons to noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. As a result, the Project's on-site operational noise impacts would be considered **less than significant**.

Mechanical Equipment. HVAC equipment would be located on building rooftops, where equipment generates a sound pressure level of up to 95 dBA at one foot. The roof edge creates a natural noise barrier that reduces noise levels from rooftop HVAC units by 8 dBA or more. This is helpful in managing noise, as equipment often operates continuously throughout the day, evening, and night. As shown in **Table 7**, noise levels at nearby receptors from HVAC equipment placed at the edges of the roof of the Project Site would increase no more than 3.9 dBA at one receptor and generally be inaudible to all receptors. This assumes both attenuation from both the roof edge and the proposed rooftop enclosure for the HVAC equipment (see project design feature PDF-NOISE-2 at the end of this chapter).

[17] Lescot Law & Greenspan. "Transportation Impact Study-Belmont Village Senior Living", March 2019.

Table 7
Estimated Operational Noise Levels

Receptor Location	Operational Noise (dBA, L_{eq})	Existing Ambient Level (dBA, L_{eq})	New Ambient Level (dBA, L_{eq})	Change (dBA, L_{eq})
Wilshire Villa Apartments	51.5	54.3	56.1	1.8
Ashton Avenue residences	54.6	53.0	56.9	3.9
Wellworth Avenue residences	42.0	49.4	50.1	0.7
Californian on Wilshire apartments	42.0	57.6	57.7	0.1
Legacy at Westwood apartments	28.6	72.7	72.7	0.0
Source: DKA Planning, 2019.				

Regulatory compliance with LAMC Section 112.02 would further ensure that noises from sources such as heating, air conditioning, and ventilation systems not increase ambient noise levels at neighboring occupied properties by more than 5 dBA.

Auto-Related Activities. The Project would include multiple subterranean parking levels, which would accommodate the majority of the Project's parking spaces, as well as a small at-grade parking area near the Education Center. Cars would enter the Project Site from either Wilshire Boulevard or Ashton Avenue and enter the parking garage, which faces east, approximately 40 feet from the eastern property line and 70 feet from the Californian on Wilshire apartments. Noise levels associated with the subterranean parking levels (e.g., tire squeal, slamming vehicle doors) would be contained within the parking structure, as the subterranean parking levels would be fully enclosed on all sides. As illustrated in **Table 8,** auto-related noise from the parking garage would increase ambient noise levels by less than one dBA, inaudible to residents of the nearest receptors to the east.

Table 8
Noise Impacts from Garage-Related Activities at Nearest Receptors

Noise Monitoring Locations	Sound Levels (dBA, Leq)
Existing Ambient	57.6
Impact from Parking Activities	49.4
Future Ambient	58.0
Difference	0.4
Significant?	No
Source: DKA Planning, 2019	

In addition to the garage, there are three conventional and two disabled at-grade parking spaces proposed along the northern side of the church school and administration building. While these spaces would generate intermittent auto-related noise from visitors or employees, there would be a net reduction in noise impacts from current on-site parking spaces, as there are nearly 60 conventional and tandem parking spaces at-grade in the same general location. As such, the Proposed Project's surface parking spaces would reduce noise impacts to the closest sensitive receptor (Wilshire Villa Apartments), which has a direct line of sight to these parking spaces.

As such, noise impacts from underground parking garage operations would be less than significant, while impacts from at-grade parking spaces would be beneficial when compared to existing conditions.

Eldercare Facility Uses. Noise associated with residential uses for eldercare patients would be contained internally within the Project. Some activities would occur outside, including passive activities, such as socializing, on the roof deck. Human conversations for eldercare patients and staff on the roof would produce negligible impacts. The Lombard effect results in voice noise levels in face-to-face conversations that generally increase proportionally to background ambient noise levels, but only up to approximately 67 dBA at a reference distance of one meter. Specifically, vocal intensity increases about 0.38 dB for every 1.0 dB increase in noise levels above 55 dB, meaning people talk slightly above ambient noise levels in order to communicate.[18] Assuming an ambient noise level of 54.3 dBA based on measurements at the nearby Wilshire Villa Apartments, human conversations from rooftop activities could generate about 67 dB of noise at one meter (i.e., 3.2 feet).

While the noise levels from rooftop activities would be marginal, the attenuation from the built environment would virtually eliminate any exposure to elevated noise levels at the nearest sensitive receptors. Further, the combination of the roof edges and safety barriers would block any light of-sight from guests conversing on the rooftop. As a result, the increase in ambient noise levels at nearby receptors could be up to 0.3 dBA L_{eq}, a negligible increase in noise that is inaudible to the human ear and far below the City's thresholds of significance.

Similarly, any socializing or outdoor recreation by patients and staff would produce incremental noise levels that would be attenuated by the distance to nearby receptors.

[18] Acoustical Society of America, Volume 134; Evidence that the Lombard effect is frequency-specific in humans, Stowe and Golob, July 2013.

These noises attenuate rapidly and would not be capable of elevating surrounding ambient noise levels by more than a nominal degree.

Education Center Uses. The Education Center includes a replacement outdoor play area for preschool students. While administrative and educational activities inside the building would be contained internally within this two-story building, outdoor play at the southwestern corner of the Project Site would generate intermittent noise. The Project would not change the duration or nature of outdoor play activities at the existing preschool at the Project Site, which occur two to three times daily. Specifically, some children would be outside from 9:00-11:30 A.M., while others go out from 12:30-2:00 P.M., and a final group from 2:15-4:30 P.M. Furthermore, while the Project would result in an increased school enrollment of 25 children, the additional children will be infants and toddlers, who will spend less time outdoors than the older preschool students, whose enrollment will remain consistent at 85 children. Consistent with existing operations, children who are older than infants and toddlers would play up to three times per day in a play area that includes a trike track, sand play pit, and age-appropriate play equipment that would not generate any mechanical noise itself. No amplified music or public address system is utilized at the current preschool operations, and no such noise source is being proposed as part of the Project.

As demonstrated by the existing ambient noise measurements, no noise impacts occur as a result of the existing preschool outdoor play activities. With development of the Education Center, noise from outdoor play activities associated with the existing preschool would be shifted approximately 180 feet south of the current facility. However, net noise impacts would not cause ambient noise levels at off-site locations to increase by 5 dBA L_{eq} or greater. Specifically, while the shifting of the play area south would bring it closer to the residences along Wellworth Avenue, the play area is located five feet and more above the ground level of the adjacent residences. When combined with the minimum five-foot high masonry wall and landscaping along the perimeter of the Project Site (to be provided in accordance with PDF-NOISE-1, discussed below), there would be no line-of-sight from the play area to adjacent residences, as well as significant attenuation of any noise resulting from the wall and terrain. As a result, the play area would produce a sound level of 13.1 dBA L_{eq} at the adjacent residences along Wellworth Avenue (**Figure 2**). Because of the ambient 49.4 dBA L_{eq} noise levels at these homes, the result would be a 0.0 dBA L_{eq} increase, or no increase in noise levels from the relocation of the play area. As a result, the noise impacts from the relocated play area would be far below a 5 dBA or greater threshold of significance.

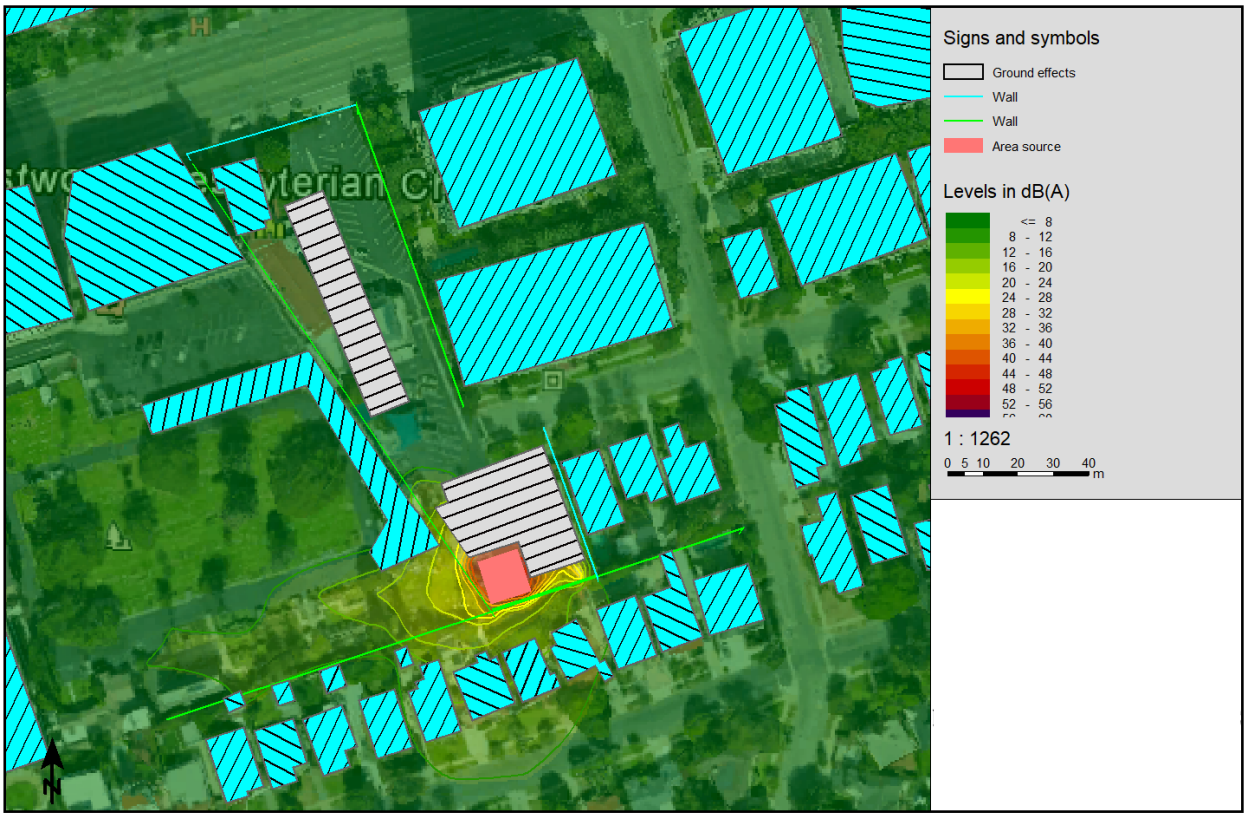


Figure 2
Noise Levels from Preschool Outdoor Play Area

A smaller play area north of the education center would include a mound slide, sandbox, and shade structure for storytelling for the infant and toddler students. This area would be enclosed by a six-foot high concrete masonry unit wall that would both protect children and shield and attenuate noise impacts at adjacent land uses. These activities would be small, close to the existing play area, resulting in no net change in operational noise from the school site, which as demonstrated by the existing ambient noise measurements, does not result in significant impacts. Moreover, the preschool activities already exist on the Project Site and have not been the subject of noise violations or neighborhood complaints.

As a result of this analysis, the impact of on-site operational noise sources would be negligible, far below the City's thresholds of significance, and any on-site impacts would be considered **less than significant.**

(4) Off-Site Operational Noise Sources

The majority of the Project's operational noise impacts would be from off-site mobile sources associated with its net new daily vehicle trips. On a typical weekday, the Project

is forecast to generate an estimated 732 net new daily trips, including 41 net new A.M. peak hour trips and 49 net new P.M. peak hour trips.[19] According to the Federal Highway Administration, a 3 dBA increase in roadway noise levels requires a doubling of roadway traffic volume, assuming that travel speeds and fleet mix remain constant.[20]

For the first part of this analysis, an existing year (2019) without Project scenario was compared to an existing year with Project scenario. As shown in **Table 9**, Project-related traffic would have a negligible impact on existing roadside ambient noise levels in the Project Site vicinity. Twenty-four-hour CNEL impacts would be negligible, below the 3 dBA noise increase threshold to or within "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories, as defined by the State's 2017 General Plan Guidelines.[21] Therefore, the Project's operational impact on off-site ambient noise levels from traffic generation would be **less than significant**.

Table 9
Operational Mobile Source Noise Levels (Existing, Existing+Project)

Roadway Segment	Estimated dBA, CNEL			
	No Project (2019)	With Project (2019)	Project Change	Significant Impact?
Westwood Bl. N of Santa Monica Bl.	61.9	61.9	0.0	No
Wilshire Blvd. E of Westwood Blvd.	65.0	65.0	0.0	No
Wilshire Blvd. W of Westholme Ave.	64.2	64.2	0.0	No
Source: DKA Planning, 2019.				

The addition of future traffic from any other new developments in the Project area, as well as overall ambient traffic growth, would elevate future ambient noise levels surrounding local roadways. However, the Project's contribution to cumulative future off-site ambient

[19] Linscott Law & Greenspan, Transportation Impact Study-Belmont Village Senior Living-Westwood Presbyterian Church Project, March 2019.

[20] Federal Highway Administration, Highway Traffic Noise Analysis and Abatement Policy and Guidance, accessed at https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm

[21] Peak hour traffic volumes from the project's traffic study were used to determine peak hour L_{eq} noise impacts along local roadways. To ascertain the impact of project traffic on CNEL-based standards, guidance from Caltrans' "Technical Noise Analysis Protocol" (September 2013) was used to make such conversions. While these methodologies allow a reasonably accurate conversion of the worst hourly noise level to CNEL, it should be noted that they are only approximate for several reasons. First is the assumption that 24 hourly traffic mixes remain constant and that traffic speeds do not change. Second, the method assumes that the peak hour traffic coincides with the worst-hour L_{eq}, which is often not true. Nevertheless, the methods of conversion discussed are used when average daily traffic (ADT) volumes are known and a reasonable estimate can be made of the percentage of peak hour traffic volume of the ADT.

noise level increases would also be negligible. As shown in **Table 10**, no roadway segment would experience cumulative noise increases in excess of 0.1 dBA, far below the minimum 3 dBA CNEL noise increase threshold to or within "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories, as defined by the State's 2017 General Plan Guidelines. As a result, the Project's cumulative operational noise impacts would be considered **less than significant**.

Table 10
Operational Mobile Source Noise Levels (Future, Future+Project)

Roadway Segment	Estimated dBA, CNEL			
	No Project (2025)	With Project (2025)	Project Change	Significant Impact?
Westwood Bl. N of Santa Monica Bl.	62.2	62.2	0.0	No
Wilshire Blvd. E of Westwood Blvd.	65.2	65.2	0.0	No
Wilshire Blvd. W of Westholme Ave.	64.4	64.4	0.0	No
Source: DKA Planning, 2019.				

As such, the Project's contribution to permanent cumulative off-site ambient noise level increases would be negligible. As a result, the Project's cumulative operational noise impact would be considered **less than significant.**

Threshold b) Generation of excessive groundborne vibration or groundborne noise levels?

(1) Building Damage Vibration Impact – On-Site Sources

As discussed earlier, construction of the Project would require large steel-tracked earthmoving equipment such as excavators. Though these vehicles may be capable of generating maximum vibration levels of 0.089 inches per second PPV at a reference distance of 25 feet, it is important to note that these vehicles would not be capable of operating directly where the Project's property line abuts adjacent structures. These vehicles would retain some setback to preserve maneuverability, in addition to operating at reduced power and intensity to maintain precision at these locations. As a result, vibration levels of 0.089 inches per second PPV, representative of maximum, peak operations, would not be generated at the property lines of the Project.

As shown in **Table 10,** the Project's construction vibration impacts resulting from heavy earthmoving equipment could affect nearby buildings and structures in part on their structural integrity. For example, newer engineered buildings like the Californian on Wilshire and the IPIC Movie Theater were built under current protective seismic and

structural standards that will resist any movement from construction-related vibration. On the other hand, some older structures could experience groundborne vibrations in excess of FTA's recommended 0.12 inches per second PPV damage criteria for buildings that are extremely susceptible to vibration damage (such as historic buildings). This includes the Pierce Brothers Westwood Village Memorial Park and Mortuary, which is a City-designated historic resource, and which abut the westerly property line of the Project Site, The potential vibration velocity of 0.352 inches per second PPV is an impact that would be considered **significant but mitigable**. Mitigation Measures NOISE-1 and NOISE-2 are required to reduce the Project's groundborne vibration impact at these locations to less than significant by regulating the number of pieces of construction equipment operating concurrently near the property line adjacent to sensitive structures and establishing a protocol for monitoring and addressing any significant building damage that may occur during construction. Measure NOISE-3 would minimize groundborne vibration near these sensitive structure by emphasizing the use of rubber-tired equipment in place of steel-track equipment.

Smaller, more maneuverable and precise equipment and techniques capable of fine grading at property lines would only generate maximum vibration levels of 0.003 inches per second PPV. **Table 11** shows the Project's estimated construction vibration impacts resulting from these smaller pieces of equipment at the nearest off-site structures. No building would experience potentially damaging levels of groundborne vibration as a result of these Project construction activities, and more distant structures would experience lesser impacts. Therefore, the Project's vibration impacts as generated by on-site construction activities by smaller grading/excavating pieces of equipment would be considered **less than significant**.

Table 11
Building Damage Vibration Levels – On-Site Sources

Building	Distance (feet) [1]	Condition[2]	Significance Criteria (in/sec)[2]	Estimated Maximum Vibration Velocity (in/sec PPV)	Significant Impact Prior to Mitigation?
Large Dozer-Type Equipment					
Pierce Brothers Westwood Village Memorial Park and Mortuary	10	IV. Buildings extremely susceptible to vibration damage	0.12	0.352	Yes
Single-family residence at 10808 Ashton Avenue	15	III. Non-engineered timber and masonry buildings	0.2	0.191	No

Wilshire Villa Apartments, 10811 Ashton Avenue	20	I. Reinforced concrete, steel or timber (no plaster)	0.5	0.089	No
Californian on Wilshire, 10800 Wilshire Boulevard	40	I. Reinforced concrete, steel or timber (no plaster)	0.5	0.044	No
Single-family residences, 10800 block of Wellworth Avenue (north side)	40	III. Non-engineered timber and masonry buildings	0.2	0.044	No
IPIC Movie Theater, 10840 Wilshire Boulevard	10	I. Reinforced concrete, steel or timber (no plaster)	0.5	0.352	No
Small Dozer-Type Equipment					
Pierce Brothers Westwood Village Memorial Park and Mortuary	10	IV. Buildings extremely susceptible to vibration damage	0.12	0.012	No
Single-family residence at 10808 Ashton Avenue	15	III. Non-engineered timber and masonry buildings	0.2	0.006	No
Wilshire Villa Apartments, 10811 Ashton Avenue	20	I. Reinforced concrete, steel or timber (no plaster)	0.5	0.004	No
Californian on Wilshire, 10800 Wilshire Boulevard	40	I. Reinforced concrete, steel or timber (no plaster)	0.5	0.001	No
Single-family residences, 10800 block of Wellworth Avenue (north side)	40	III. Non-engineered timber and masonry buildings	0.2	0.001	No
IPIC Movie Theater, 10840 Wilshire Boulevard	10	I. Reinforced concrete, steel or timber (no plaster)	0.5	0.006	No

[1] Includes ten feet from property line to accommodate equipment maneuverability.
[2] Structural condition and significance criteria based on FTA guidelines issued in the 2018 FTA Transit Noise and Vibration Impact Assessment manual.

Source: DKA Planning, 2019

Vibration from on-site construction activities could also impact on-site structures that would be retained, such as the sanctuary for the Presbyterian Church at the northwest corner of the Project Site on Lot 1. The 2,580 square-foot building, built in 1953, is a historic resource that, while not subject to a CEQA analysis given that it is part of the Project, will be protected through a vibration damage protection plan (see Appendix).

(2) Building Damage Vibration Impact – Off-Site Sources

As discussed earlier, construction of the Project would generate trips from large trucks including haul trucks, concrete mixing trucks, concrete pumping trucks, and vendor delivery trucks. Regarding building damage, based on FTA data, the vibration generated by a typical heavy-duty truck would be approximately 63 VdB (0.006 PPV) at a distance of 50 feet from the truck.[22] According to the FTA "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads." Nonetheless, there are existing buildings along the Project's anticipated haul route(s) that are situated approximately 25 feet from the right-of-way and would be exposed to ground-borne vibration levels of approximately 0.006 PPV. This estimated vibration generated by construction trucks traveling along the anticipated haul route(s) would be well below the most stringent building damage criteria of 0.12 PPV for buildings extremely susceptible to vibration. The Project's potential to damage roadside buildings and structures as the result of groundborne vibrations generated by its truck trips would be considered **less than significant**.

(3) Operational Vibration Sources

Significant sources of operational vibration are generally limited to heavy equipment or industrial operations. During Project operations, there would be no significant stationary sources of groundborne vibration, such as heavy equipment or industrial operations. The Project proposes 53 Senior Independent Housing dwelling units, 77 Assisted Living Care Housing guest rooms, and 46 Alzheimer's/Dementia Care Housing guest rooms, as well as associated residential amenity and service areas along with the Education Center (consisting of preschool and church administrative offices), none of which would generate operational vibration of any note. The Project would be accessed mostly by passenger vehicles that would not be capable of generating substantial groundborne vibrations. Therefore, the Project's long-term vibration impact from operational sources would be nominal and **less than significant**.

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

The Project site is not located within the vicinity of a private airstrip or an airport land use plan, nor is it located within two miles of a public airport or public use airstrip. As a result,

[22] Federal Transit Administration, "Transit Noise and Vibration Impact Assessment," May 2006, Figure 7-3.

this criterion is not applicable to this Project, which would have **no impact** on exposing people residing or working in the project area to excessive noise levels.

d) Project Design Features

PDF-NOISE-1 The Applicant shall erect a masonry wall and landscaping along the south property line of the Project Site. This wall shall be at least five-feet high and block the line-of-sight from new structures on the property to the homes on Wellworth Avenue.

PDF-NOISE-2 Rooftop HVAC equipment shall be enclosed with absorptive materials that block any line-of-sight transmission of noise to adjacent properties. Pipes and duct work shall be also be wrapped or treated to block transmission of sound.

e) Regulatory Requirements

The Project shall comply with LAMC Section 91.1207 (Allowable Interior Noise Levels), which states interior noise levels attributable to exterior sources shall not exceed 45 dB CNEL in any habitable room.

f) Mitigation Measures

The following mitigation measures are required to address construction-related noise and vibration. With regard to vibration, the Project's potential impacts to the adjacent mortuary structures to the west can be addressed with the following mitigation measures that would ensure that the Project's construction-related vibration impacts would be **less than significant**:

MM-NOISE-1: Construction activities that produce vibration, such as demolition, excavation, and earthmoving, shall be sequenced so that vibration sources within 100 feet of the mortuary structures at Pierce Brothers Westwood Village Memorial Park and Mortuary do not operate simultaneously.

MM-NOISE-2: Pre-construction surveys shall be performed to document the conditions at the boundary of the mortuary at Pierce Brothers Westwood Village Memorial Park and Mortuary. A structural monitoring program shall be implemented and recorded during construction to ensure that groundborne vibration levels at the

boundary of the Project Site adjacent to the mortuary do not exceed 0.12 inches per second, PPV. The performance standards of the structure monitoring plan shall include the following:

- Documentation, consisting of video and/or photographic documentation of accessible and visible areas on the exterior of the building.

- Prior to start of construction, the Applicant shall retain the services of a structural engineer to visit the Pierce Brothers Westwood Village Memorial Park and Mortuary to inspect and document the apparent physical condition of the building's readily-visible features, including but not limited to the building structure. In addition, the structural engineer shall establish baseline structural conditions of the building and prepare the shoring design.

- The Applicant shall retain the services of a qualified acoustical engineer to review the proposed construction equipment and develop and implement a vibration monitoring program capable of documenting the construction-related ground vibration levels at the Project western property line adjacent to the Pierce Brothers Westwood Village Memorial Park and Mortuary during the Project Site demolition and excavation phases where heavy construction equipment (e.g., large bulldozer and drill rig) would be operating within 15 feet of the affected buildings.

- The vibration monitoring system shall measure and continuously store the peak particle velocity (PPV) in inch/second. Vibration data shall be stored on a one-second interval. The system shall also be programmed for two preset velocity levels: a warning level of 0.07 inch/second (PPV) and a regulatory level of 0.12 inch/second (PPV). The system shall also provide real-time alert when the vibration levels exceed either of the two preset levels.

- In the event the warning level of 0.07 inch/second (PPV) is triggered, the contractor shall identify the source of vibration generation and provide steps to reduce the vibration level, including but not limited to halting/staggering concurrent activities and utilizing lower vibratory techniques.

- In the event the regulatory level of 0.12 inch/second (PPV) is triggered, the contractor shall halt the construction activities in the

vicinity of the Pierce Brothers Westwood Village Memorial Park and Mortuary and visually inspect the building for any damage. Results of the inspection must be logged. The contractor shall identify the source of vibration generation and provide steps to reduce the vibration level. Vibration measurement shall be made with the new construction method to verify that the vibration level is below the warning level of 0.07 inch/second (PPV). Construction activities may then restart.

- In the event damage occurs to historic finish materials due to construction vibration, such materials shall be repaired in consultation with a qualified preservation consultant.
- The structure-monitoring program shall be submitted to the Department of Building and Safety and received into the case file for the associated discretionary action permitting the Project prior to initiating any construction activities.

MM-NOISE-3: Construction activities shall utilize rubber-tired equipment in place of steel-track equipment whenever feasible.

With regard to construction noise, the following mitigation measures would reduce noise impacts at nearby sensitive receptors during each phase of work below significance thresholds:

MM-NOISE-4: During Phase I, a temporary noise barrier and/or sound control curtains shall be installed along the perimeter of the Project Site. The barrier shall have a Sound Transmission Class rating of 29 or more, consist of K-rail with one-inch plywood fencing on top, at least 8 feet in height and not have any gaps or holes between the panels or at the bottom. The supporting structure shall be engineered and erected in order to comply with Los Angeles Municipal Code noise requirements, including those set forth in Chapter XI, Article 2 of the Los Angeles Municipal Code.

MM-NOISE-5: During Phase I, exhaust mufflers shall be used capable of reducing noise down to an average of 65 dBA at a distance of 50 feet on internal combustion engines for heavy-duty construction equipment. All equipment shall be properly maintained to assure that no additional noise, due to worn or improperly maintained parts, would

be generated. Construction contractor shall keep documentation on-site demonstrating that the equipment has been maintained in accordance with the manufacturer's specifications.

MM-NOISE-6: During Phase I, no more than five pieces of heavy-duty construction equipment powered by diesel engines shall operate concurrently. On average, such equipment shall be in operation mode no more than 45 minutes in an hour.

MM-NOISE-7: During Phase II, a temporary noise barrier and/or sound control curtains shall be installed along the perimeter of the Project Site. The barrier shall have a Sound Transmission Class rating of 29 or more, consist of K-rail with one-inch plywood fencing on top, at least ten feet in height and not have any gaps or holes between the panels or at the bottom. The supporting structure shall be engineered and erected in order to comply with Los Angeles Municipal Code noise requirements, including those set forth in Chapter XI, Article 2 of the Los Angeles Municipal Code.

MM-NOISE-8: During Phase II, exhaust mufflers shall be used capable of reducing noise down to an average of 60 dBA at a distance of 50 feet on internal combustion engines for heavy-duty construction equipment. All equipment shall be properly maintained to assure that no additional noise, due to worn or improperly maintained parts, would be generated. Construction contractor shall keep documentation on-site demonstrating that the equipment has been maintained in accordance with the manufacturer's specifications.

MM-NOISE-9: During Phase II, no more than five pieces of heavy-duty construction equipment powered by diesel engines shall operate concurrently. On average, such equipment shall be in operation mode no more than 30 minutes in an hour.

MM-NOISE-10: During both phases, the housing or enclosures for noise-producing construction equipment shall be soundproofed, where feasible.

g) Project Impacts After Mitigation

Construction vibration impacts to the mortuary structures to the west of the Project Site would be substantially reduced with the implementation of mitigation measures MM-NOISE-1 through MM-NOISE-3. The pre-construction and construction monitoring measures would ensure that any potentially significant building damage is mitigated and addressed in real time. As a result, on-site construction vibration impacts would be mitigated below significance thresholds.

Construction noise impacts at nearby sensitive receptors would be substantially reduced with the implementation of Mitigation Measures MM-NOISE-4 through MM-NOISE-10. Proposed mitigation measures would focus on using quieter equipment and barrier protection to reduce exposure of adjacent sensitive receptors to excessive noise. Specifically, MM-NOISE-4 and MM-NOISE-7 calls for temporary noise barriers to be installed along the perimeter of the Project Site during each phase. The barrier would block the line-of-sight from construction-related noise sources and reduce off-site noise exposure. MM-NOISE-5 and MM-NOISE-8 would focus on control of noise sources, including use of quieter equipment, using advanced exhaust mufflers on internal combustion engines for construction equipment that can reduce noise impacts by up to 25 dBA.[23] Other mitigation measures MM-NOISE-6 and MM-NOISE-9 would control the duty cycle and operating profile of heavy-duty equipment to further mitigation construction noise. Finally, MM-NOISE-10 calls for the use of housing or enclosures for noise-producing machinery to further minimize off-site noise impacts.

These mitigation measures would substantially reduce exposure to construction noise at all sensitive receptors. As shown in **Table 12**, ambient noise level would increase no more than 4.6 dBA L_{eq} during Phase I. As shown in **Table 13**, ambient noise level would increase no more than 4.7 dBA L_{eq} during Phase II. These increases would be below the City's 5 dBA L_{eq} threshold of significance. As such, construction noise impacts would be considered **less than significant with mitigation**.

Table 12
Increases in Ambient Noise Levels During Construction Phase I (With Mitigation)

Receptor Location	Construction Noise (dBA, L_{eq})	Existing Ambient Level (dBA, L_{eq})	New Ambient Level (dBA, L_{eq})	Change (dBA, L_{eq})	Signifi-cant?
Wilshire Villa Apartments	57.1	54.3	58.9	4.6	No
Ashton Avenue residences	53.4	53.0	56.2	3.2	No
Wellworth Avenue residences	49.1	49.4	52.3	2.9	No

[23] United States Department of Labor, Occupational Safety and Health Administration, OSHA Technical Manual, Chapter 5, Table V-6 (Noise-Control Engineering Cost Assumptions)

Californian on Wilshire apartments	49.7	57.6	58.3	0.7	No
Legacy at Westwood apartments	47.7	72.7	72.7	0.0	No
Source: DKA Planning, 2020.					

Table 13
Increases in Ambient Noise Levels During Construction Phase II (With Mitigation)

Receptor Location	Construction Noise (dBA, L_{eq})	Existing Ambient Level (dBA, L_{eq})	New Ambient Level (dBA, L_{eq})	Change (dBA, L_{eq})	Signifi-cant?
Wilshire Villa Apartments	57.2	54.3	59.0	4.7	No
Ashton Avenue residences	42.2	53.0	53.3	0.3	No
Wellworth Avenue residences	36.9	49.4	49.6	0.2	No
Californian on Wilshire apartments	54.8	57.6	59.4	1.8	No
Legacy at Westwood apartments	48.0	72.7	72.7	0.0	No
Source: DKA Planning, 2020.					

The use of mitigation measures that reduce noise from equipment with internal combustion engines (i.e., MM-NOISE-5 and MM-NOISE-8) would also ensuring compliance with LAMC Section 112.05. This ordinance limits noise from powered construction equipment within 500 feet of residences between 7:00 A.M. and 10:00 P.M.

h) Cumulative Impacts

This cumulative impact analysis considers development of the Project in combination with ambient growth and other development projects within the vicinity. As noise is a localized phenomenon and decreases in magnitude as distance from the source increases, only projects and ambient growth within 1,000 feet and having a direct line-of-sight to the Project Sites, or those that generate traffic on study roads, could combine with the Project to result in cumulatively considerable noise impacts. As the City of Los Angeles recommends analyzing noise sensitive uses within 500 feet of a Proposed Project, concurrent construction of two or more projects 1,000 feet apart could result in cumulative impacts 500 feet from each project site. As a result, identifying related projects within 1,000 feet of the Project Site conservatively is done to assess potential cumulative noise impacts.

Construction

Construction of the Project in combination with the 29 related projects identified in the traffic analysis would result in an increase in construction noise in this heavily urbanized area of the City. However, none of the related projects is within 1,000 feet of the Proposed Project Site. The closest related project is located at 10955 Wilshire Boulevard, 1,410 feet west of the Project Site, far beyond the ability to substantially contribute to cumulative noise impacts with the Proposed Project. Nevertheless, construction of all related project and other unforeseen projects would be subject to LAMC Section 41.40, which limits the hours of allowable construction activities. In addition, each of the related projects would be subject to Section 112.05 of the LAMC, which prohibits any powered equipment or powered hand tool from producing noise levels that exceed 75 dBA at a distance of 50 feet from the noise source within 500 feet of a residential zone. Given the distance of all the related projects, cumulative impacts with respect to construction noise would be less than significant.

With respect to construction vibration, the closest sensitive receptor is located over 1,400 feet from any related projects, far beyond the potential to contribute to cumulative vibration impacts. As such, the maximum vibration level from construction activities on any related project sites would not result in a cumulatively considerable vibration impact at the nearest sensitive receptors.

Operation

Cumulative mobile source noise impacts would occur primarily as a result of increased traffic on local roadways due to the Project, ambient growth, and related projects. Because the increase in roadway noise would not exceed the 3.0 dBA CNEL and 5.0 dBA CNEL thresholds at any of the study roadway segments, the cumulative operational noise impact would be less than significant.

In addition to cumulative mobile source noise levels, operation of the Project in combination with the related projects could result in an increase in operational noise and vibration in this urbanized area of the City. Related projects could potentially combine operational noise and vibration levels with the Project. However, all of the related projects are over 1,400 feet away from the Project Site and would be subject to the LAMC and potential project-specific mitigation related to the generation of on-site noise sources associated with mechanical equipment, parking, and outdoor spaces. As previously discussed, operational noise and vibration impacts would be less than significant for the Project, and on-site cumulative noise levels associated with the related projects would be regulated by the LAMC and associated project mitigation, as needed. As such, cumulative on-site operational noise impacts would be less than significant.

TECHNICAL APPENDIX

NOISE MEASUREMENTS

DouglasKim+Associates,LLC

Figure 1
Noise Measurement Locations

1. Back of Parking Lot Near Wellworth Ave. Residences – NOT RECESS
Noise Report

11/15/2018

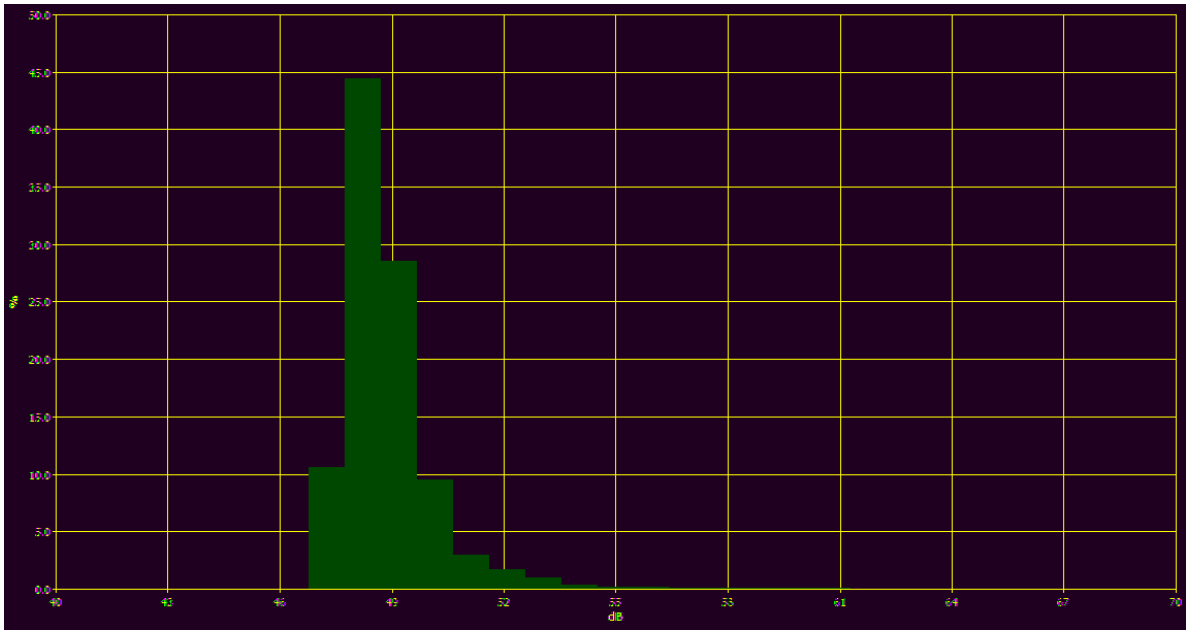
Information Panel

Name	S673_BIJ050019_15112018_201856
Start Time	Thursday, November 15, 2018, 10:34am
Stop Time	Thursday, November 15, 2018, 10:48am
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	49.4dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

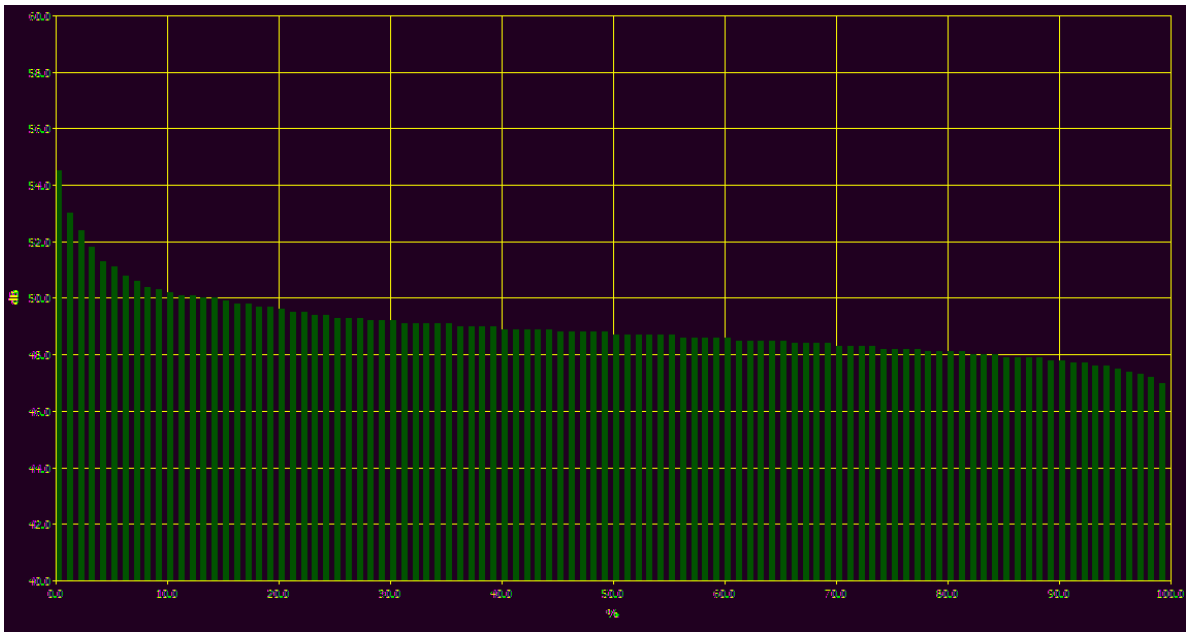
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	0.00	0.08	0.50	0.88	0.93	1.19	1.28	1.52	1.91	2.29	10.57
48	3.60	3.49	4.05	3.91	3.75	4.44	5.14	4.96	5.46	5.63	44.42
49	4.79	4.19	4.10	3.52	2.75	1.87	1.88	1.58	1.80	2.01	28.52
50	1.38	1.98	1.33	1.24	0.94	0.74	0.56	0.47	0.52	0.39	9.55
51	0.44	0.47	0.50	0.40	0.25	0.18	0.23	0.16	0.17	0.17	2.98
52	0.19	0.14	0.14	0.22	0.22	0.20	0.21	0.21	0.09	0.13	1.75
53	0.13	0.19	0.09	0.10	0.06	0.12	0.10	0.05	0.04	0.09	0.99
54	0.04	0.03	0.03	0.02	0.04	0.05	0.04	0.05	0.03	0.02	0.35
55	0.02	0.03	0.03	0.05	0.02	0.01	0.02	0.01	0.01	0.02	0.22
56	0.03	0.02	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.15
57	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11
58	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.13
59	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.07
60	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.08
61	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07
62	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04
63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

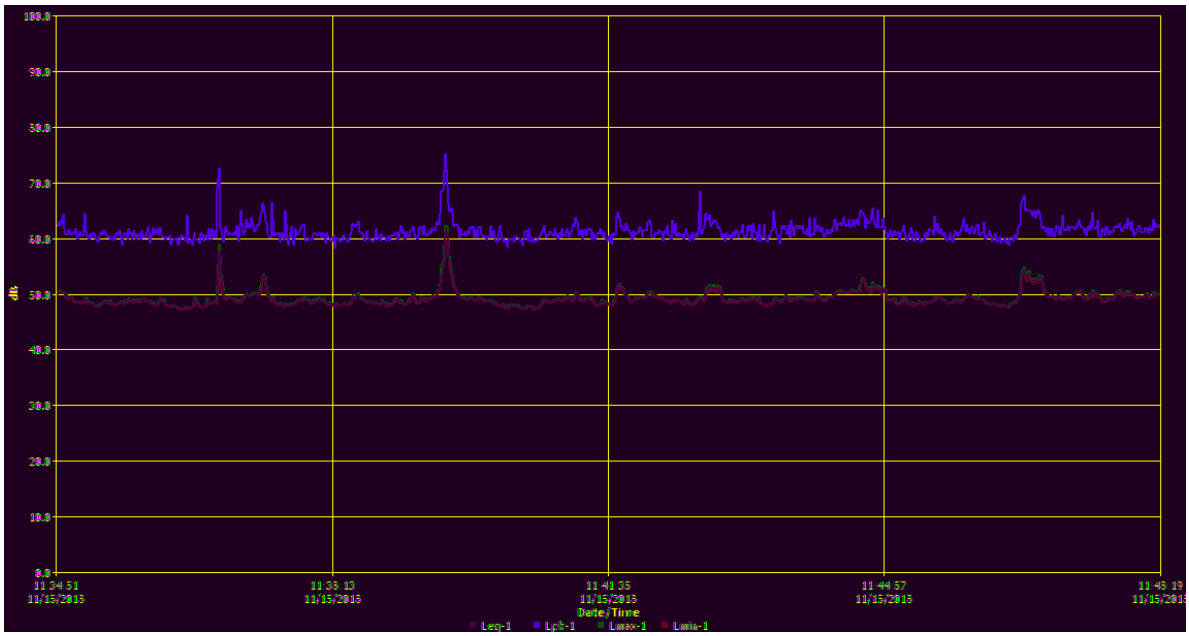
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		54.5	53	52.4	51.8	51.3	51.1	50.8	50.6	50.4
10%	50.3	50.2	50.1	50.1	50	50	49.9	49.8	49.8	49.7
20%	49.7	49.6	49.5	49.5	49.4	49.4	49.3	49.3	49.3	49.2
30%	49.2	49.2	49.1	49.1	49.1	49.1	49.1	49	49	49
40%	49	48.9	48.9	48.9	48.9	48.9	48.8	48.8	48.8	48.8
50%	48.8	48.7	48.7	48.7	48.7	48.7	48.7	48.6	48.6	48.6
60%	48.6	48.6	48.5	48.5	48.5	48.5	48.5	48.4	48.4	48.4
70%	48.4	48.3	48.3	48.3	48.3	48.2	48.2	48.2	48.2	48.1
80%	48.1	48.1	48.1	48	48	48	47.9	47.9	47.9	47.9
90%	47.8	47.8	47.7	47.7	47.6	47.6	47.5	47.4	47.3	47.2
100%	47									

Logged Data Chart



2. Back of Parking Lot Near Wellworth Ave. Residences – RECESS
Noise Report

11/15/2018

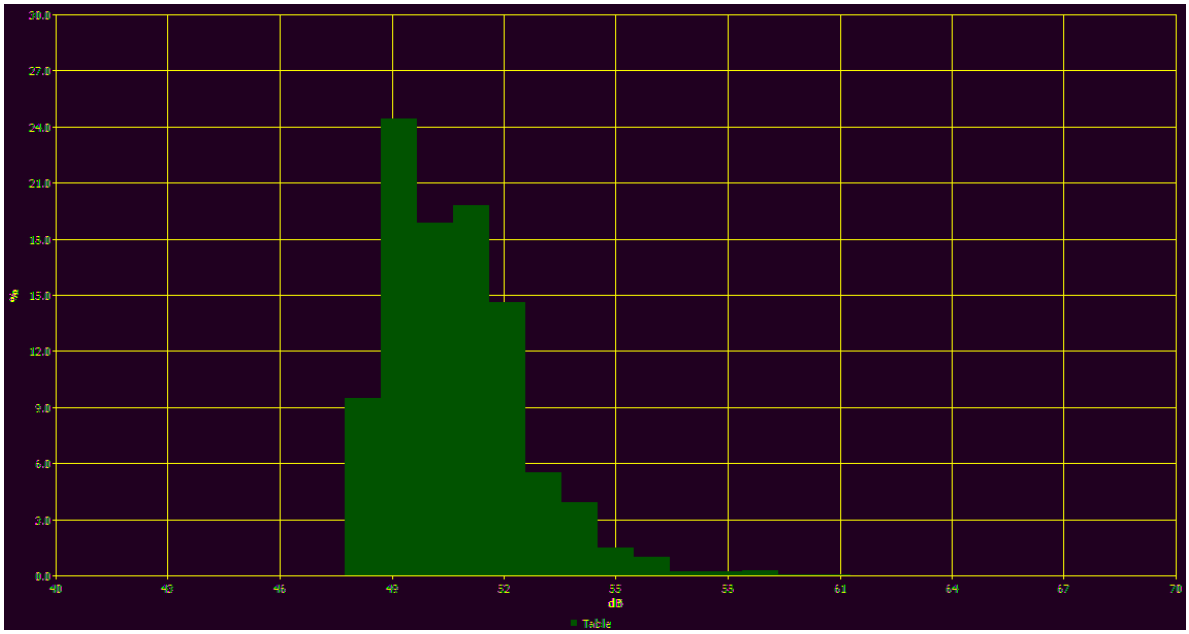
Information Panel

Name	S674_BIJ050019_15112018_201856
Start Time	Thursday, November 15, 2018, 10:48am
Stop Time	Thursday, November 15, 2018, 10:55am
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	51.4dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

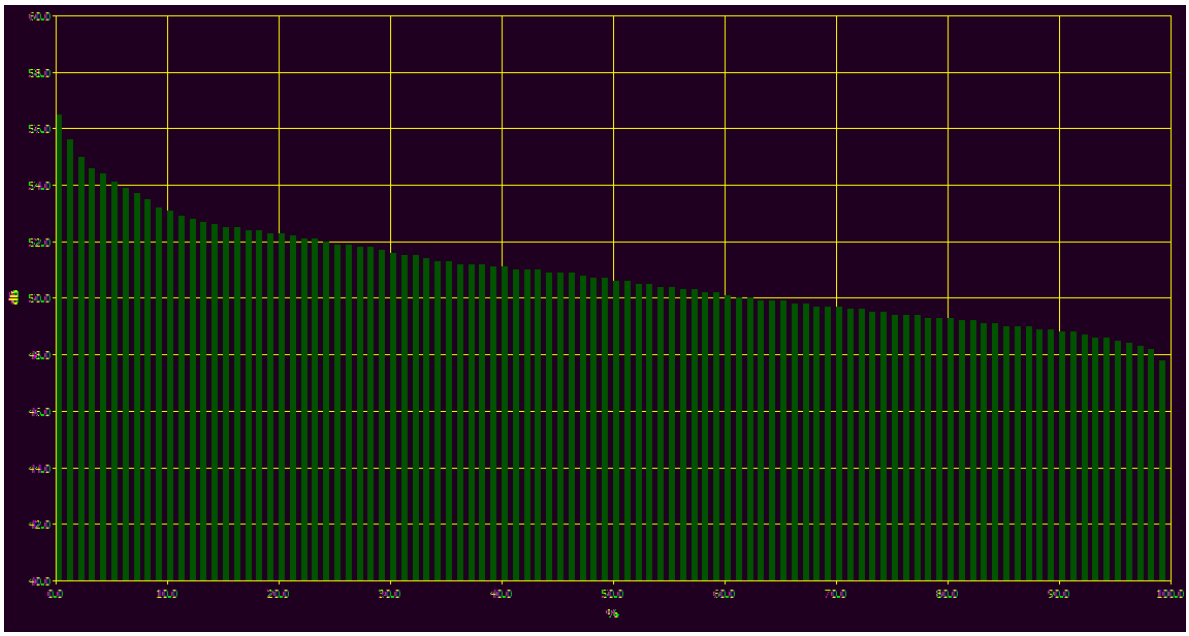
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
48	0.08	0.21	0.47	0.77	0.89	1.17	1.37	1.41	1.22	1.91	9.51
49	2.21	2.61	2.13	2.25	2.67	2.85	2.12	2.62	2.63	2.35	24.44
50	2.28	2.21	1.37	1.80	2.23	2.02	2.03	1.64	1.57	1.69	18.85
51	2.73	2.60	2.57	2.33	2.03	1.70	1.43	1.34	1.26	1.80	19.79
52	1.58	1.65	1.46	1.51	1.64	1.83	1.83	1.35	0.87	0.91	14.63
53	0.94	0.80	0.44	0.65	0.37	0.47	0.47	0.50	0.38	0.52	5.54
54	0.55	0.34	0.50	0.36	0.43	0.30	0.51	0.33	0.34	0.28	3.94
55	0.23	0.21	0.20	0.17	0.22	0.13	0.08	0.09	0.08	0.08	1.47
56	0.11	0.13	0.07	0.07	0.12	0.19	0.19	0.05	0.03	0.03	0.99
57	0.02	0.02	0.02	0.02	0.01	0.03	0.04	0.03	0.02	0.02	0.24
58	0.02	0.02	0.02	0.03	0.03	0.02	0.01	0.03	0.03	0.03	0.24
59	0.04	0.03	0.03	0.03	0.04	0.06	0.01	0.01	0.01	0.00	0.26
60	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.06
61	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.03
62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

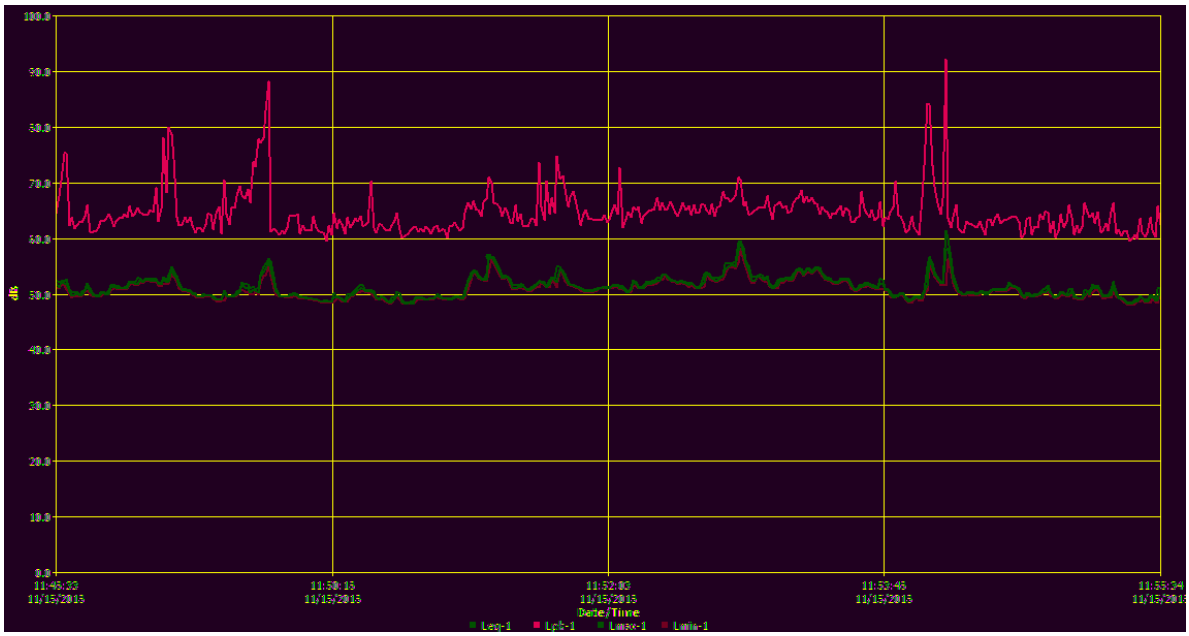
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		56.5	55.6	55	54.6	54.4	54.1	53.9	53.7	53.5
10%	53.2	53.1	52.9	52.8	52.7	52.6	52.5	52.5	52.4	52.4
20%	52.3	52.3	52.2	52.1	52.1	52	51.9	51.9	51.8	51.8
30%	51.7	51.6	51.5	51.5	51.4	51.3	51.3	51.2	51.2	51.2
40%	51.1	51.1	51	51	51	50.9	50.9	50.9	50.8	50.7
50%	50.7	50.6	50.6	50.5	50.5	50.4	50.4	50.3	50.3	50.2
60%	50.2	50.1	50	50	49.9	49.9	49.9	49.8	49.8	49.7
70%	49.7	49.7	49.6	49.6	49.5	49.5	49.4	49.4	49.4	49.3
80%	49.3	49.3	49.2	49.2	49.1	49.1	49	49	49	48.9
90%	48.9	48.8	48.8	48.7	48.6	48.6	48.5	48.4	48.3	48.2
100%	47.8									

Logged Data Chart



8. Near Gate – Ashton Ave.
Noise Report

11/15/2018

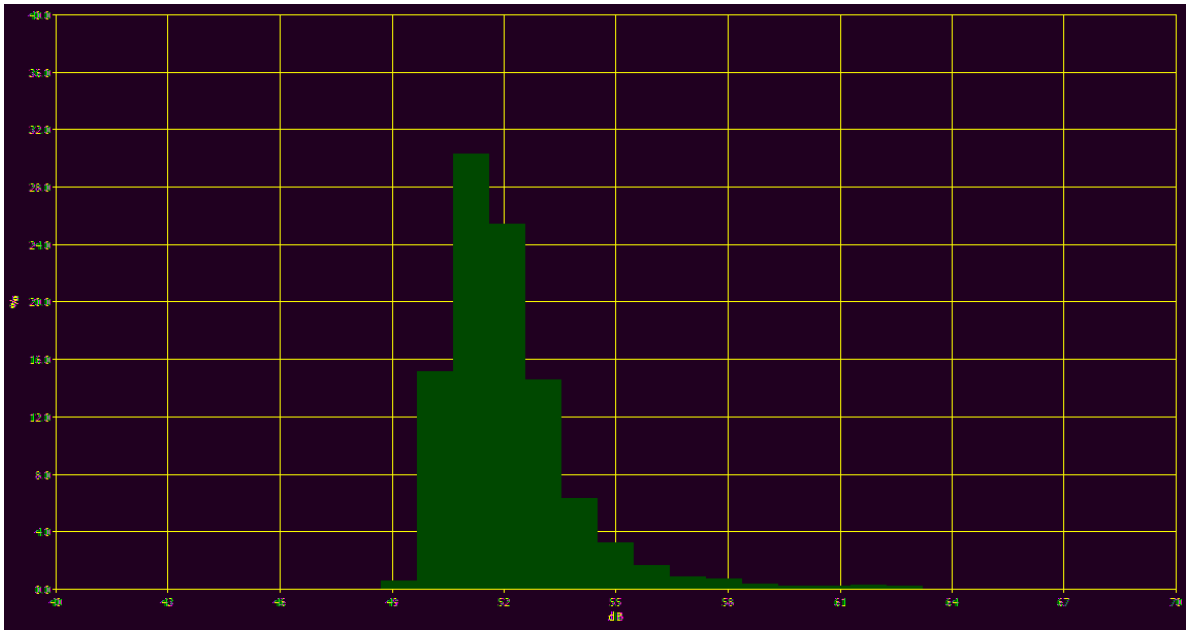
Information Panel

Name	S680_BIJ050019_15112018_201858
Start Time	Thursday, November 15, 2018, 11:58am
Stop Time	Thursday, November 15, 2018, 12:04pm
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	53.0dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

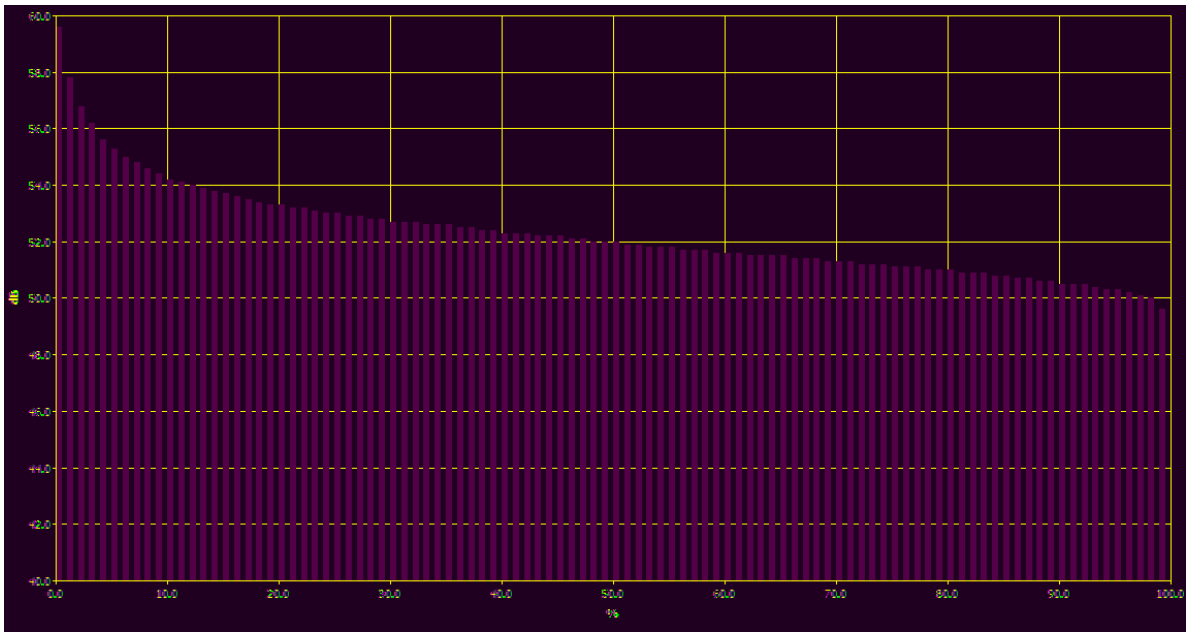
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.26	0.17	0.55
50	0.39	0.94	0.77	1.14	1.58	1.58	2.31	1.97	2.27	2.20	15.15
51	2.69	2.64	3.66	3.16	3.09	2.98	3.49	3.38	2.71	2.54	30.33
52	2.71	2.56	2.51	2.51	2.75	2.75	2.14	2.52	2.60	2.35	25.39
53	2.11	1.58	1.37	1.90	2.19	1.27	0.94	1.14	1.08	0.99	14.57
54	0.85	0.86	0.79	0.69	0.68	0.59	0.53	0.55	0.41	0.39	6.32
55	0.43	0.39	0.38	0.36	0.32	0.33	0.31	0.30	0.23	0.19	3.22
56	0.18	0.18	0.09	0.14	0.13	0.17	0.20	0.17	0.18	0.17	1.63
57	0.17	0.12	0.10	0.06	0.07	0.06	0.06	0.07	0.05	0.09	0.86
58	0.07	0.06	0.05	0.06	0.06	0.08	0.09	0.08	0.10	0.05	0.70
59	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.39
60	0.05	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.23
61	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.18
62	0.02	0.02	0.02	0.02	0.04	0.05	0.03	0.02	0.02	0.03	0.26
63	0.02	0.03	0.03	0.03	0.07	0.01	0.01	0.01	0.01	0.01	0.23
64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

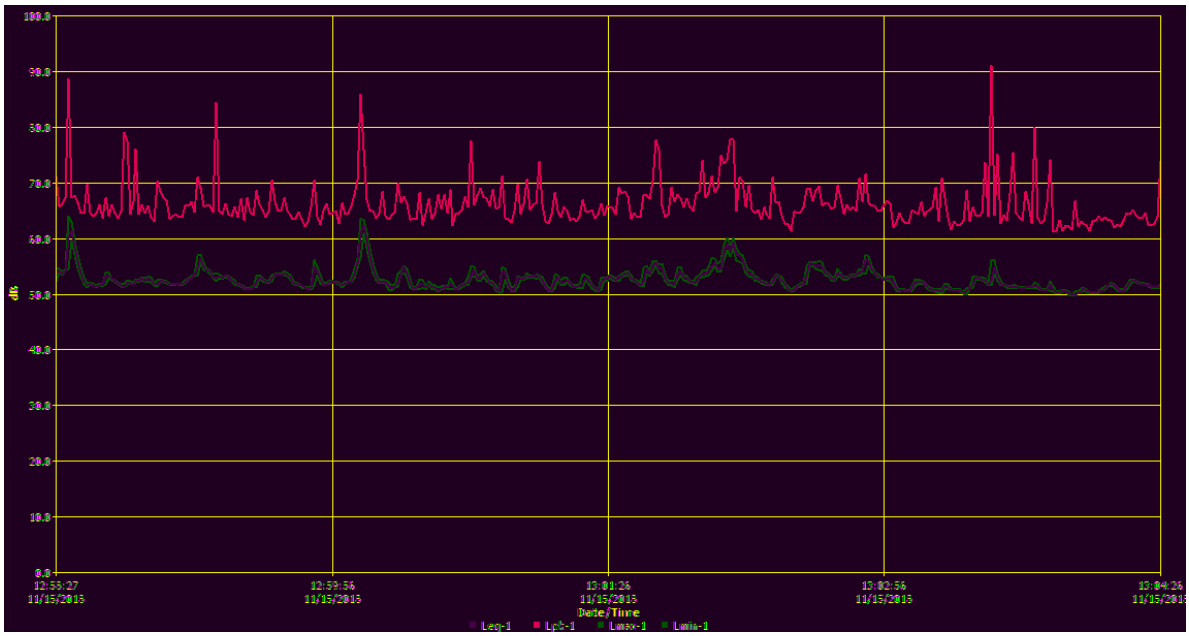
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		59.6	57.8	56.8	56.2	55.6	55.3	55	54.8	54.6
10%	54.4	54.2	54.1	54	53.9	53.8	53.7	53.6	53.5	53.4
20%	53.3	53.3	53.2	53.2	53.1	53	53	52.9	52.9	52.8
30%	52.8	52.7	52.7	52.7	52.6	52.6	52.6	52.5	52.5	52.4
40%	52.4	52.3	52.3	52.3	52.2	52.2	52.2	52.1	52.1	52
50%	52	52	51.9	51.9	51.8	51.8	51.8	51.7	51.7	51.7
60%	51.6	51.6	51.6	51.5	51.5	51.5	51.5	51.4	51.4	51.4
70%	51.3	51.3	51.3	51.2	51.2	51.2	51.1	51.1	51.1	51
80%	51	51	50.9	50.9	50.9	50.8	50.8	50.7	50.7	50.6
90%	50.6	50.5	50.5	50.5	50.4	50.3	50.3	50.2	50.1	50
100%	49.6									

Logged Data Chart



3. Parking Lot – 40ft from Center of Play Area – RECESS
Noise Report

11/15/2018

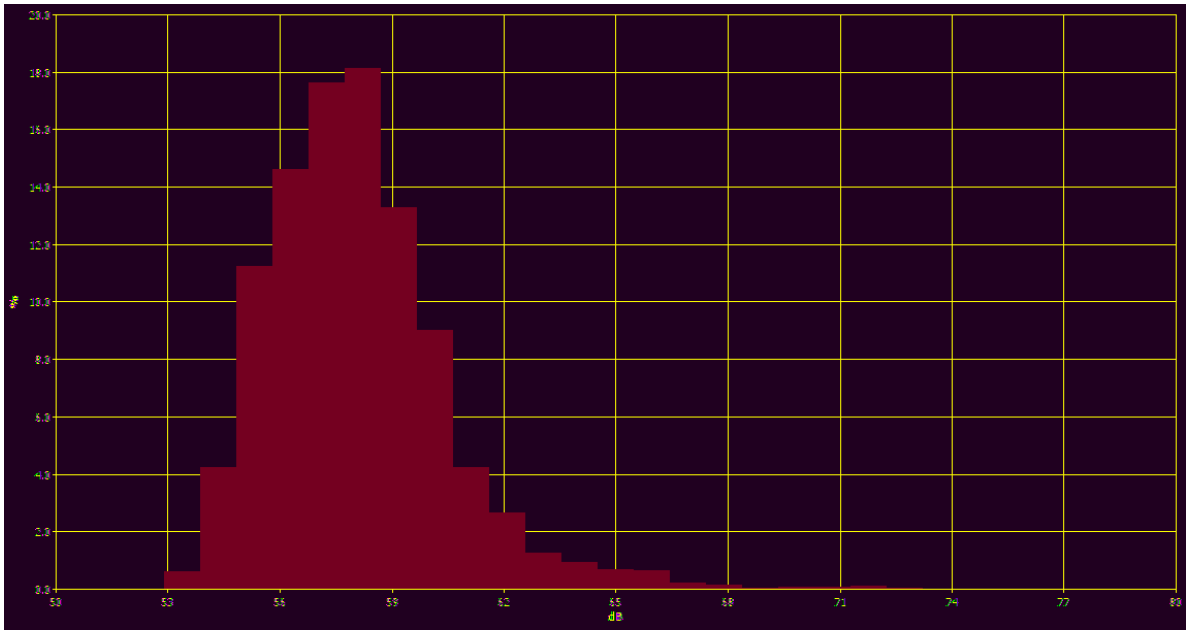
Information Panel

Name	S675_BIJ050019_15112018_201856
Start Time	Thursday, November 15, 2018, 10:59am
Stop Time	Thursday, November 15, 2018, 11:09am
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	59.2dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

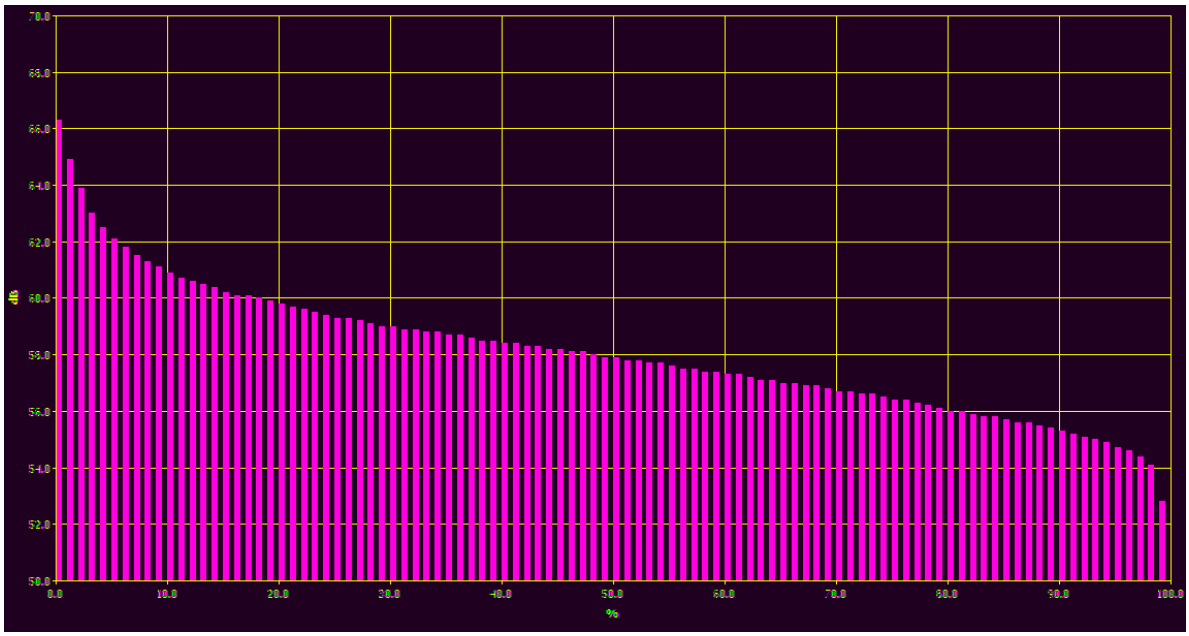
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
53	0.05	0.10	0.05	0.05	0.05	0.05	0.07	0.03	0.07	0.07	0.60
54	0.15	0.20	0.14	0.30	0.55	0.58	0.45	0.63	0.64	0.61	4.25
55	0.85	0.86	0.70	1.03	1.03	1.18	1.32	1.40	1.43	1.44	11.24
56	1.48	1.61	1.11	1.35	1.28	1.36	1.52	1.69	1.56	1.65	14.62
57	1.72	1.90	1.77	1.67	1.68	1.74	1.85	1.71	1.75	1.84	17.63
58	1.74	1.66	1.59	1.84	2.04	1.99	1.85	1.93	1.78	1.71	18.13
59	1.90	1.71	1.17	1.38	1.41	1.30	1.18	1.08	1.04	1.11	13.30
60	1.13	1.09	1.15	0.96	0.88	0.78	0.75	0.81	0.78	0.71	9.03
61	0.63	0.52	0.47	0.39	0.42	0.47	0.40	0.32	0.34	0.30	4.25
62	0.33	0.31	0.31	0.16	0.27	0.30	0.29	0.31	0.23	0.16	2.67
63	0.21	0.16	0.15	0.15	0.11	0.11	0.09	0.08	0.07	0.10	1.24
64	0.07	0.08	0.11	0.08	0.09	0.15	0.10	0.08	0.10	0.09	0.95
65	0.09	0.09	0.07	0.04	0.05	0.05	0.09	0.06	0.06	0.09	0.69
66	0.09	0.08	0.07	0.09	0.07	0.06	0.07	0.05	0.05	0.05	0.66
67	0.03	0.03	0.02	0.03	0.01	0.02	0.02	0.02	0.02	0.03	0.23
68	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.16
69	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.04
70	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05
71	0.01	0.01	0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.09
72	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.02	0.11
73	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

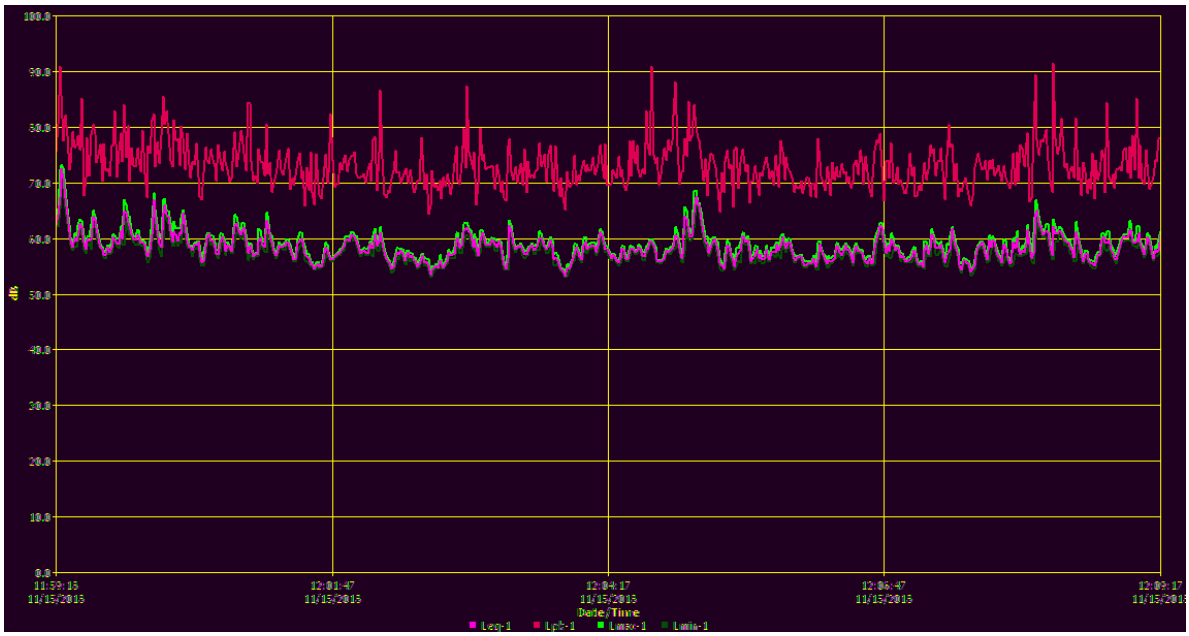
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		66.3	64.9	63.9	63	62.5	62.1	61.8	61.5	61.3
10%	61.1	60.9	60.7	60.6	60.5	60.4	60.2	60.1	60.1	60
20%	59.9	59.8	59.7	59.6	59.5	59.4	59.3	59.3	59.2	59.1
30%	59	59	58.9	58.9	58.8	58.8	58.7	58.7	58.6	58.5
40%	58.5	58.4	58.4	58.3	58.3	58.2	58.2	58.1	58.1	58
50%	57.9	57.9	57.8	57.8	57.7	57.7	57.6	57.5	57.5	57.4
60%	57.4	57.3	57.3	57.2	57.1	57.1	57	57	56.9	56.9
70%	56.8	56.7	56.7	56.6	56.6	56.5	56.4	56.4	56.3	56.2
80%	56.1	56	56	55.9	55.8	55.8	55.7	55.6	55.6	55.5
90%	55.4	55.3	55.2	55.1	55	54.9	54.7	54.6	54.4	54.1
100%	52.8									

Logged Data Chart



5. Parking Lot – Near Californian On Wilshire
Noise Report

11/15/2018

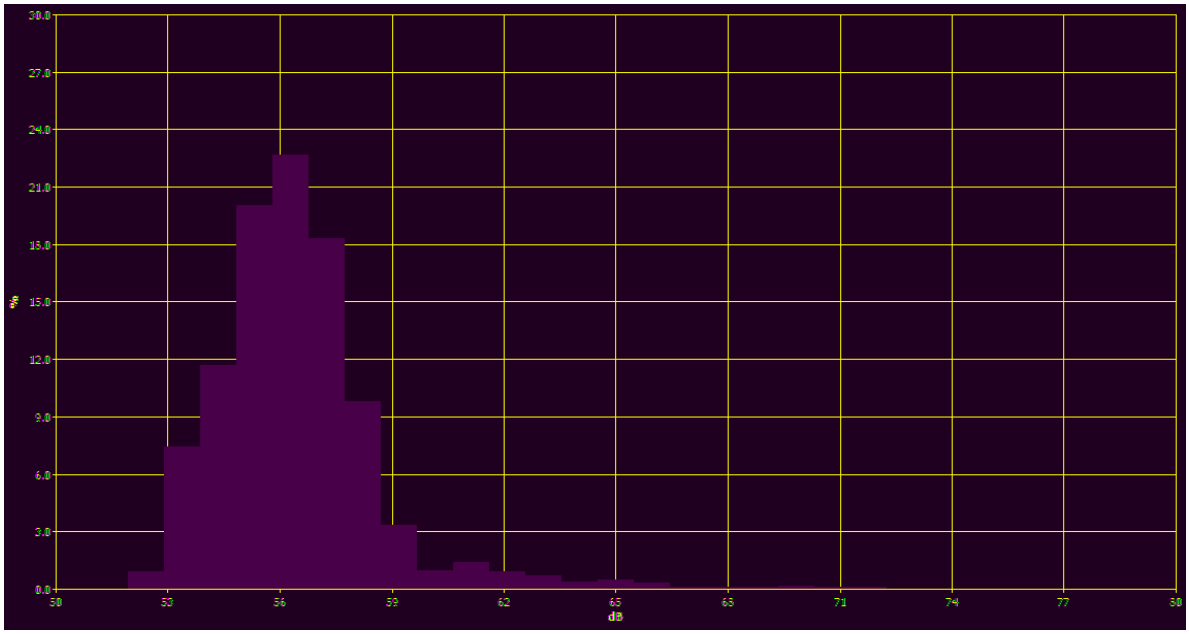
Information Panel

Name	S677_BIJ050019_15112018_201857
Start Time	Thursday, November 15, 2018, 11:26am
Stop Time	Thursday, November 15, 2018, 11:36am
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	57.6dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

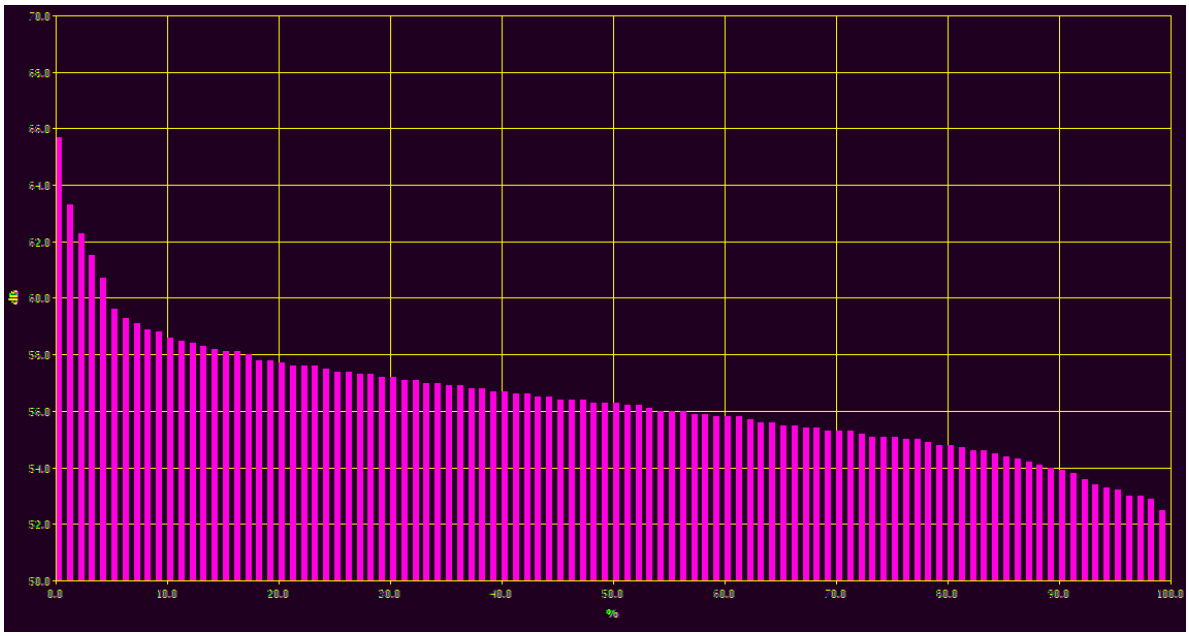
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.36	0.35	0.94
53	0.92	1.34	0.73	0.89	0.84	0.57	0.44	0.52	0.46	0.72	7.42
54	0.90	0.97	1.30	0.95	0.98	0.97	1.44	1.56	1.24	1.42	11.71
55	1.70	1.81	2.52	1.84	2.12	2.18	2.02	1.75	1.75	2.33	20.03
56	2.36	2.57	1.61	2.33	2.42	2.65	2.23	2.10	2.14	2.26	22.69
57	1.90	2.17	1.92	1.82	1.78	1.85	1.68	2.22	1.64	1.32	18.30
58	0.89	1.02	1.43	1.13	1.13	1.09	0.66	0.73	0.73	1.01	9.82
59	0.50	0.53	0.36	0.30	0.41	0.31	0.54	0.18	0.16	0.07	3.35
60	0.09	0.13	0.09	0.06	0.06	0.06	0.08	0.17	0.13	0.11	0.98
61	0.10	0.11	0.07	0.07	0.12	0.23	0.25	0.21	0.12	0.11	1.39
62	0.08	0.09	0.16	0.04	0.11	0.08	0.06	0.07	0.10	0.15	0.94
63	0.13	0.17	0.05	0.05	0.04	0.05	0.05	0.04	0.04	0.04	0.68
64	0.05	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.36
65	0.04	0.05	0.07	0.05	0.03	0.03	0.06	0.05	0.06	0.06	0.50
66	0.06	0.08	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.01	0.32
67	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.09
68	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10
69	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.09
70	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.02	0.01	0.01	0.14
71	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.09
72	0.01	0.01	0.01	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.08
73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

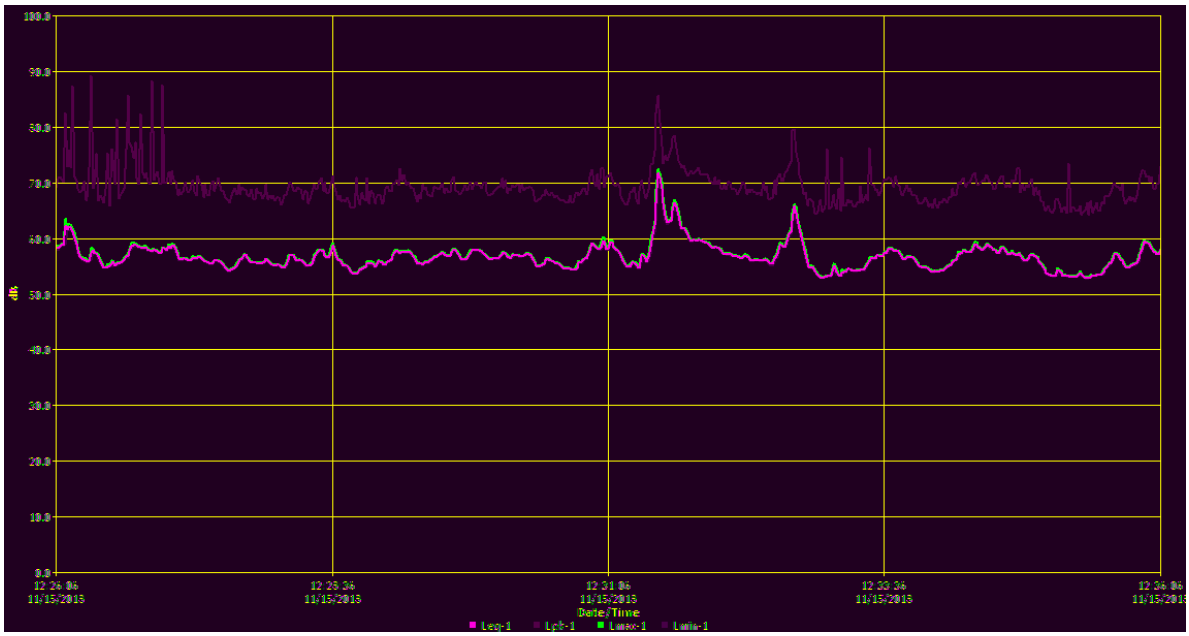
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		65.7	63.3	62.3	61.5	60.7	59.6	59.3	59.1	58.9
10%	58.8	58.6	58.5	58.4	58.3	58.2	58.1	58.1	58	57.8
20%	57.8	57.7	57.6	57.6	57.6	57.5	57.4	57.4	57.3	57.3
30%	57.2	57.2	57.1	57.1	57	57	56.9	56.9	56.8	56.8
40%	56.7	56.7	56.6	56.6	56.5	56.5	56.4	56.4	56.4	56.3
50%	56.3	56.3	56.2	56.2	56.1	56	56	56	55.9	55.9
60%	55.8	55.8	55.8	55.7	55.6	55.6	55.5	55.5	55.4	55.4
70%	55.3	55.3	55.3	55.2	55.1	55.1	55.1	55	55	54.9
80%	54.8	54.8	54.7	54.6	54.6	54.5	54.4	54.3	54.2	54.1
90%	54	53.9	53.8	53.6	53.4	53.3	53.2	53	53	52.9
100%	52.5									

Logged Data Chart



7. Parking Lot – Near Wilshire Villa Apts – No Recess
Noise Report

11/15/2018

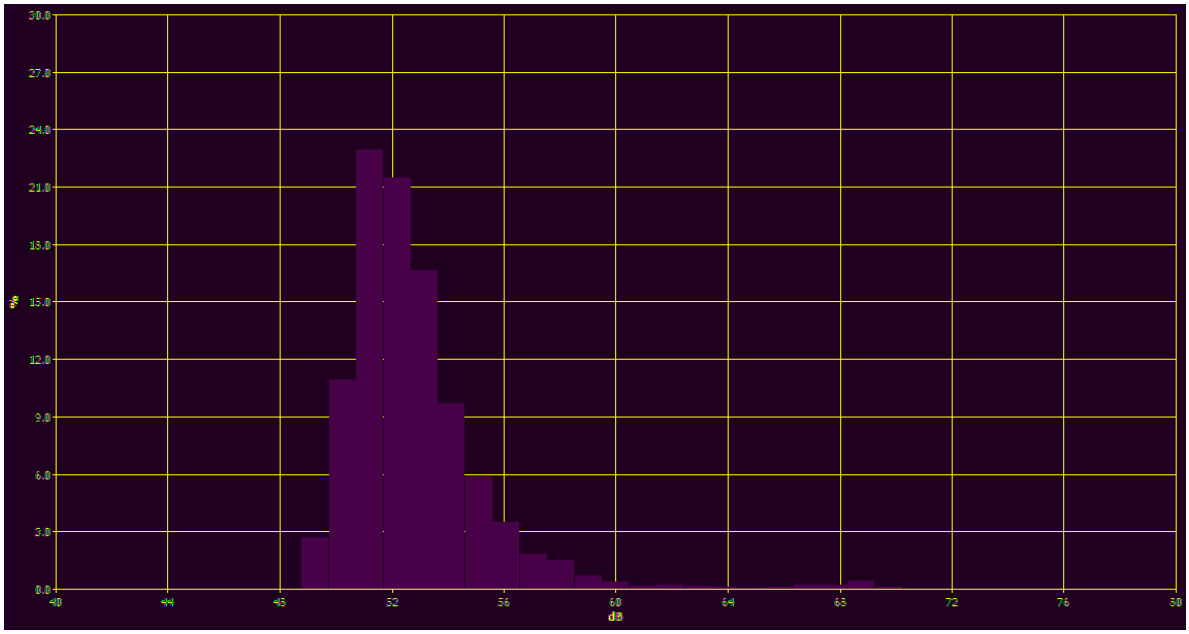
Information Panel

Name	S679_BIJ050019_15112018_201858
Start Time	Thursday, November 15, 2018, 11:50am
Stop Time	Thursday, November 15, 2018, 11:56am
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	54.9dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

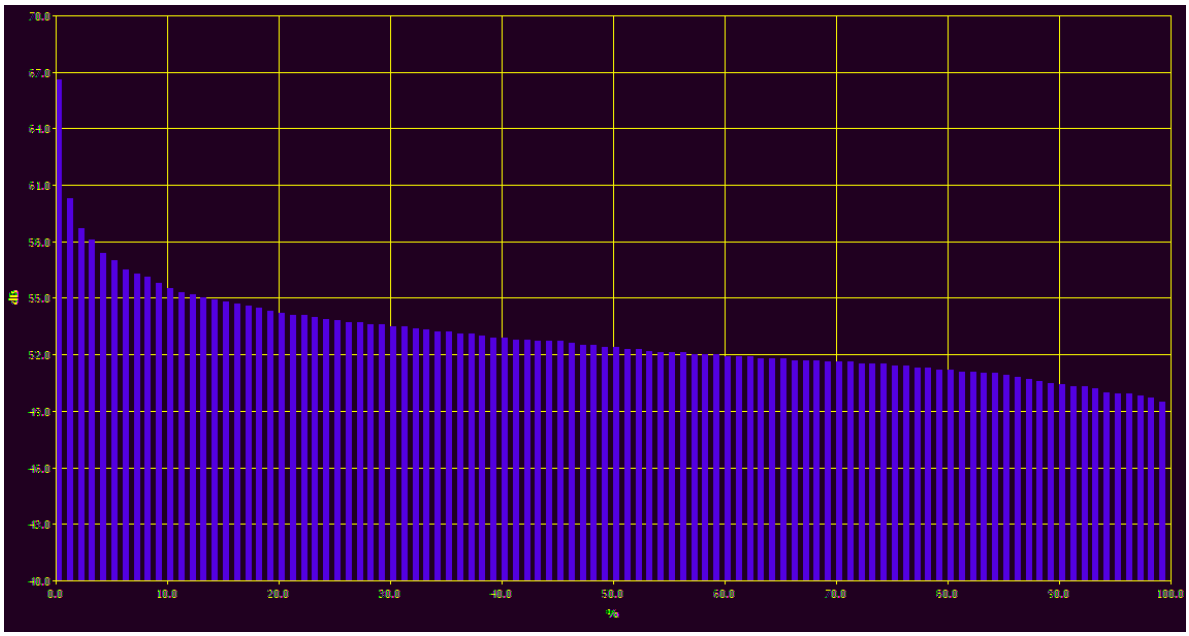
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.44	1.05	1.00	2.71
50	1.68	0.84	0.52	1.02	1.46	1.41	0.65	0.78	1.35	1.20	10.91
51	1.15	1.55	2.24	2.28	1.83	2.11	2.98	2.72	2.82	3.30	22.96
52	2.98	2.70	2.80	1.84	1.69	1.47	1.96	1.97	2.16	1.91	21.48
53	1.98	1.87	1.35	1.78	1.44	1.44	1.92	1.84	1.45	1.57	16.64
54	1.00	1.14	1.28	0.98	0.97	0.88	0.91	0.92	0.83	0.77	9.68
55	1.06	0.73	0.80	0.71	0.57	0.45	0.35	0.46	0.40	0.34	5.88
56	0.30	0.37	0.56	0.50	0.38	0.43	0.24	0.22	0.23	0.27	3.51
57	0.22	0.28	0.25	0.18	0.20	0.16	0.12	0.17	0.11	0.14	1.83
58	0.14	0.15	0.15	0.15	0.24	0.18	0.16	0.14	0.12	0.09	1.53
59	0.13	0.10	0.07	0.09	0.07	0.07	0.06	0.03	0.03	0.04	0.69
60	0.04	0.05	0.04	0.04	0.03	0.02	0.05	0.02	0.04	0.05	0.37
61	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.17
62	0.01	0.02	0.02	0.00	0.01	0.03	0.02	0.02	0.04	0.04	0.21
63	0.04	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.18
64	0.01	0.01	0.00	0.02	0.00	0.01	0.01	0.00	0.01	0.01	0.08
65	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.08
66	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.11
67	0.02	0.02	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.20
68	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.22
69	0.03	0.03	0.05	0.02	0.03	0.02	0.02	0.07	0.09	0.05	0.42
70	0.06	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

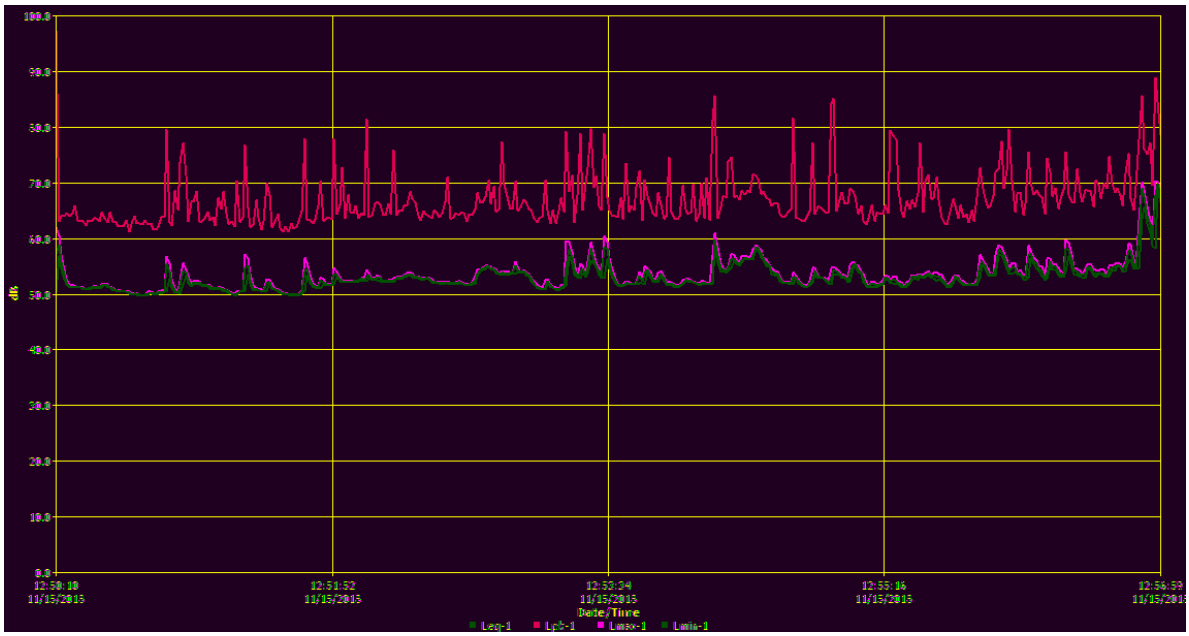
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		66.6	60.3	58.7	58.1	57.4	57	56.5	56.3	56.1
10%	55.8	55.5	55.3	55.2	55	54.9	54.8	54.7	54.6	54.5
20%	54.3	54.2	54.1	54.1	54	53.9	53.8	53.7	53.7	53.6
30%	53.6	53.5	53.5	53.4	53.3	53.2	53.2	53.1	53.1	53
40%	52.9	52.9	52.8	52.8	52.7	52.7	52.7	52.6	52.5	52.5
50%	52.4	52.4	52.3	52.3	52.2	52.1	52.1	52.1	52	52
60%	52	51.9	51.9	51.9	51.8	51.8	51.8	51.7	51.7	51.7
70%	51.6	51.6	51.6	51.5	51.5	51.5	51.4	51.4	51.3	51.3
80%	51.2	51.2	51.1	51.1	51	51	50.9	50.8	50.7	50.6
90%	50.5	50.4	50.3	50.3	50.2	50	49.9	49.9	49.8	49.7
100%	49.5									

Logged Data Chart



4. Parking Lot – Near Wilshire Villa Apts. – RECESS
Noise Report

11/15/2018

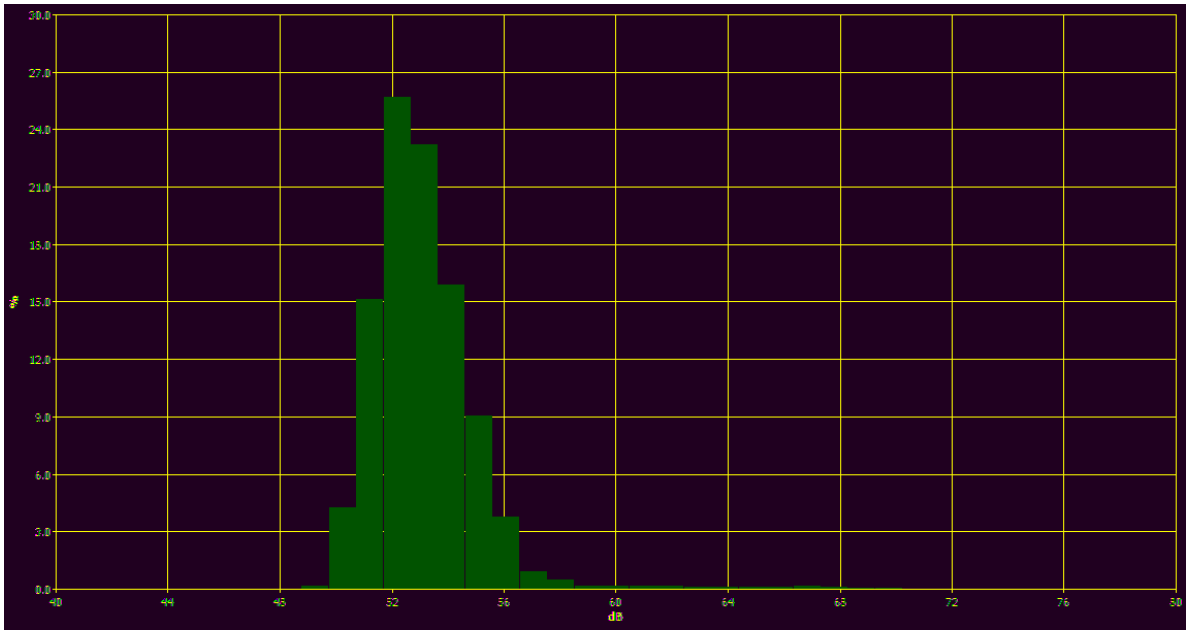
Information Panel

Name	S676_BIJ050019_15112018_201857
Start Time	Thursday, November 15, 2018, 11:10am
Stop Time	Thursday, November 15, 2018, 11:20am
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	54.3dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

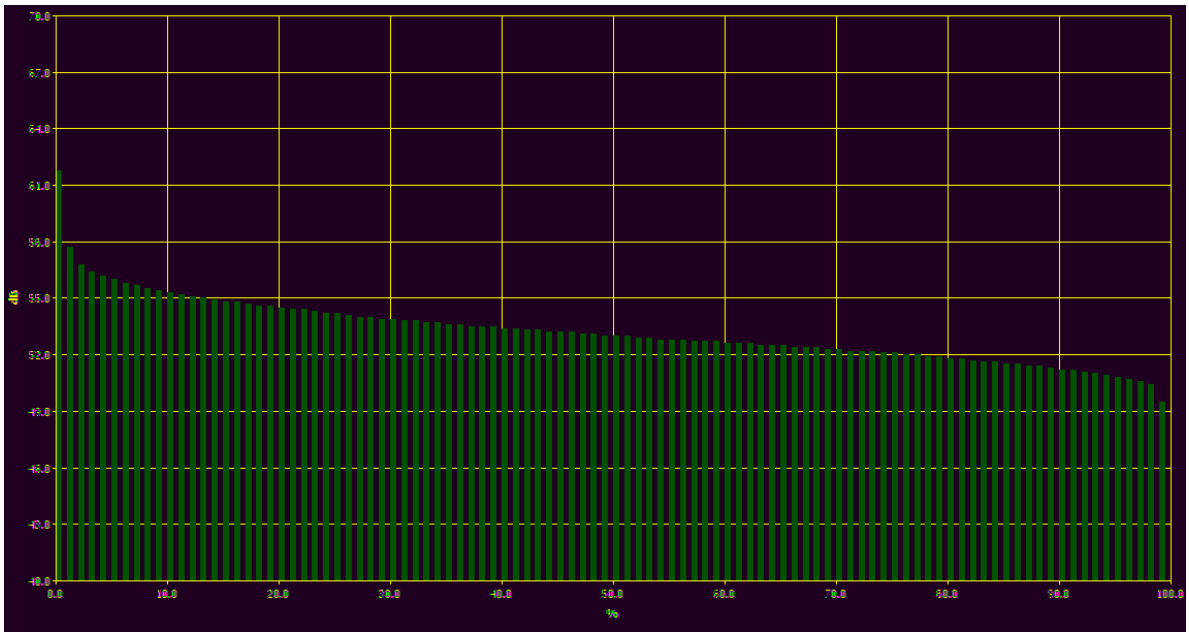
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.05	0.15
50	0.14	0.14	0.07	0.18	0.16	0.35	0.57	0.52	0.78	1.35	4.26
51	1.07	1.21	1.20	1.43	1.51	1.86	1.74	1.75	1.62	1.72	15.11
52	2.04	1.99	2.36	2.46	2.59	2.65	2.64	3.05	2.99	2.94	25.69
53	2.76	2.89	1.73	2.55	2.45	2.38	2.07	2.03	2.22	2.12	23.19
54	2.07	1.71	1.60	1.56	1.53	1.42	1.67	1.54	1.45	1.34	15.91
55	1.31	1.09	0.94	0.96	0.80	0.85	0.84	0.79	0.80	0.69	9.06
56	0.60	0.55	0.38	0.45	0.38	0.34	0.28	0.30	0.24	0.24	3.77
57	0.20	0.17	0.17	0.07	0.05	0.05	0.05	0.04	0.06	0.04	0.91
58	0.05	0.04	0.03	0.03	0.06	0.05	0.04	0.06	0.04	0.06	0.48
59	0.04	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.18
60	0.02	0.02	0.01	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.15
61	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.15
62	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.15
63	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.12
64	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.13
65	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11
66	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.12
67	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.15
68	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11
69	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.06
70	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.05
71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		61.8	57.7	56.8	56.4	56.2	56	55.8	55.7	55.5
10%	55.4	55.3	55.2	55.1	55	54.9	54.8	54.8	54.7	54.6
20%	54.6	54.5	54.4	54.4	54.3	54.2	54.2	54.1	54	54
30%	53.9	53.9	53.8	53.8	53.7	53.7	53.6	53.6	53.5	53.5
40%	53.5	53.4	53.4	53.3	53.3	53.2	53.2	53.2	53.1	53.1
50%	53	53	53	52.9	52.9	52.8	52.8	52.8	52.7	52.7
60%	52.7	52.6	52.6	52.6	52.5	52.5	52.5	52.4	52.4	52.4
70%	52.3	52.3	52.2	52.2	52.2	52.1	52.1	52	52	51.9
80%	51.9	51.8	51.8	51.7	51.6	51.6	51.5	51.5	51.4	51.4
90%	51.3	51.2	51.2	51.1	51	50.9	50.8	50.7	50.6	50.4
100%	49.5									

Logged Data Chart

6. Wilshire Blvd.
Noise Report

11/15/2018

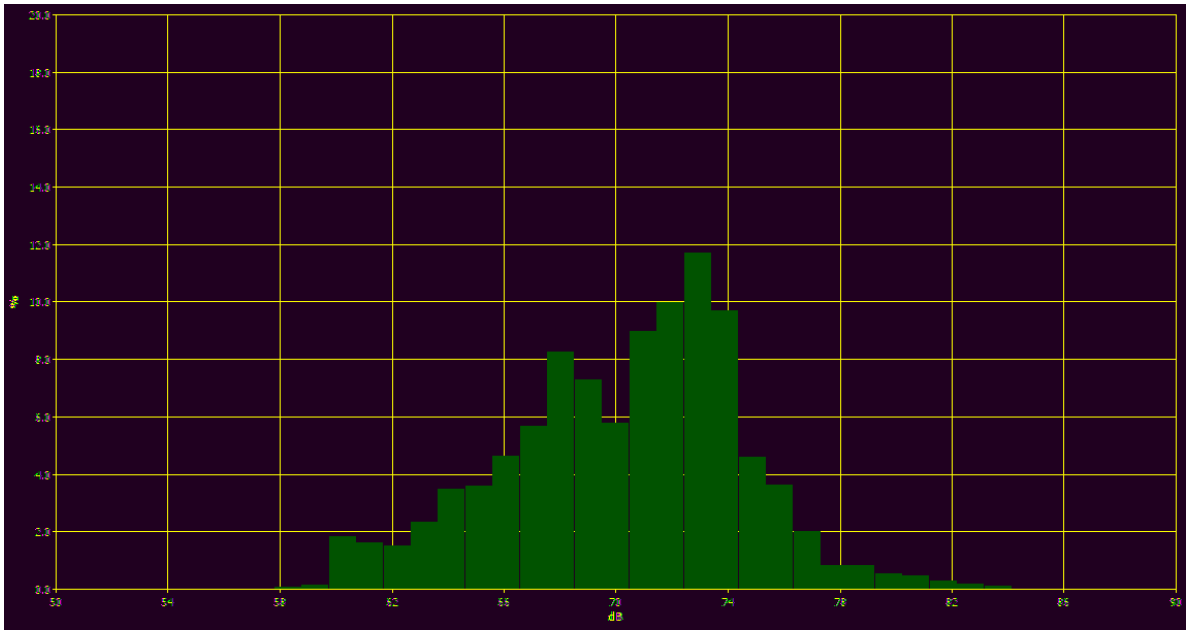
Information Panel

Name	S678_BIJ050019_15112018_201857
Start Time	Thursday, November 15, 2018, 11:37am
Stop Time	Thursday, November 15, 2018, 11:47am
Device Model Type	SoundPro DL

General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	72.7dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

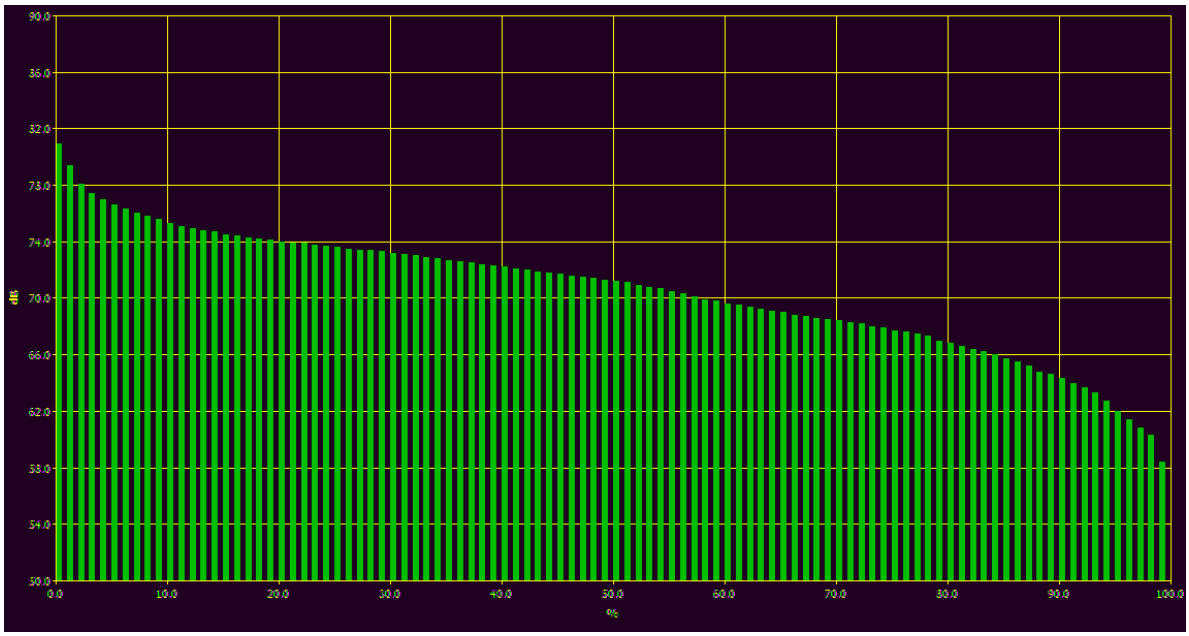
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.09
59	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.14
60	0.04	0.07	0.23	0.29	0.32	0.19	0.17	0.21	0.17	0.16	1.84
61	0.16	0.20	0.15	0.15	0.16	0.19	0.19	0.16	0.16	0.12	1.63
62	0.16	0.17	0.19	0.10	0.17	0.15	0.14	0.15	0.12	0.18	1.52
63	0.19	0.13	0.23	0.17	0.27	0.23	0.24	0.20	0.35	0.32	2.32
64	0.27	0.44	0.23	0.32	0.35	0.40	0.40	0.32	0.33	0.42	3.47
65	0.30	0.33	0.33	0.17	0.29	0.48	0.42	0.43	0.30	0.52	3.59
66	0.36	0.32	0.31	0.53	0.60	0.45	0.49	0.54	0.54	0.48	4.63
67	0.42	0.36	0.39	0.42	0.57	0.59	0.70	0.67	0.80	0.75	5.67
68	0.67	0.63	0.81	0.56	0.79	0.85	1.12	0.94	0.88	1.02	8.26
69	0.79	0.70	0.91	0.77	0.68	0.71	0.64	0.70	0.72	0.66	7.27
70	0.61	0.63	0.62	0.58	0.53	0.53	0.53	0.50	0.56	0.68	5.78
71	0.81	0.83	1.01	0.79	1.01	0.93	0.79	1.02	0.93	0.85	8.96
72	1.15	1.05	0.90	1.19	0.92	0.91	0.93	0.87	1.09	0.97	9.99
73	0.99	1.14	1.23	1.12	1.35	1.10	1.19	1.19	1.26	1.15	11.71
74	1.20	1.21	1.39	0.70	1.06	0.90	0.90	0.79	0.74	0.80	9.68
75	0.69	0.62	0.46	0.46	0.55	0.37	0.29	0.38	0.34	0.42	4.58
76	0.51	0.52	0.32	0.39	0.39	0.33	0.33	0.23	0.36	0.26	3.64
77	0.23	0.22	0.31	0.23	0.15	0.20	0.17	0.16	0.14	0.18	2.00
78	0.13	0.09	0.09	0.09	0.07	0.08	0.08	0.08	0.08	0.06	0.84
79	0.08	0.07	0.08	0.08	0.08	0.08	0.10	0.09	0.07	0.09	0.82
80	0.11	0.09	0.04	0.03	0.03	0.03	0.03	0.03	0.07	0.06	0.53
81	0.05	0.06	0.07	0.03	0.03	0.04	0.05	0.05	0.05	0.04	0.48
82	0.05	0.03	0.03	0.03	0.04	0.02	0.02	0.02	0.02	0.01	0.28
83	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.19
84	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.00	0.01	0.10
85	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

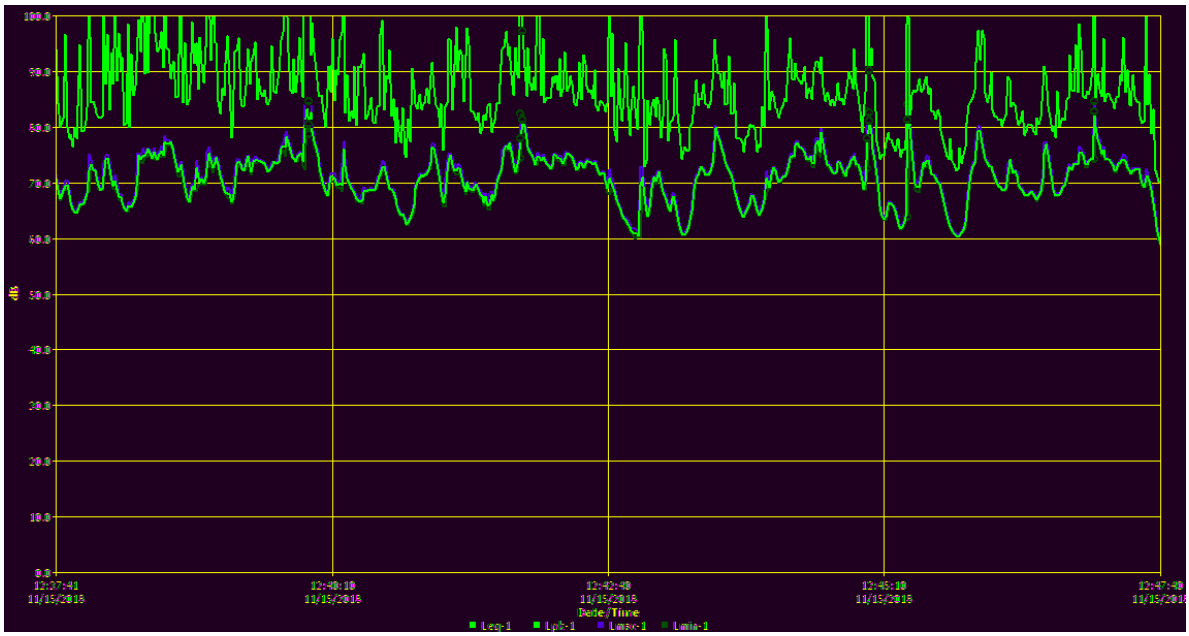
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		80.9	79.4	78.1	77.4	77	76.6	76.3	76	75.8
10%	75.6	75.3	75.1	74.9	74.8	74.7	74.5	74.4	74.3	74.2
20%	74.1	74	73.9	73.9	73.8	73.7	73.6	73.5	73.4	73.4
30%	73.3	73.2	73.1	73	72.9	72.8	72.7	72.6	72.5	72.4
40%	72.3	72.2	72.1	72	71.9	71.8	71.7	71.6	71.5	71.4
50%	71.3	71.2	71.1	70.9	70.8	70.7	70.5	70.3	70.1	69.9
60%	69.8	69.6	69.5	69.4	69.2	69.1	69	68.8	68.7	68.6
70%	68.5	68.4	68.3	68.2	68	67.9	67.7	67.6	67.5	67.3
80%	67	66.8	66.6	66.4	66.2	66	65.7	65.5	65.2	64.8
90%	64.6	64.3	64	63.7	63.3	62.7	62	61.4	60.8	60.3
100%	58.4									

Logged Data Chart



CONSTRUCTION NOISE IMPACTS
PHASE 1

Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Corrections Cwall dB	 CI dB	 CT dB
Construction (Phase 1)	1239 m²	Lw/	82.0	-	-	-
Construction (Phase 2)	2466 m²	Lw/	-	-	-	-

Receiver list

No.	Receiver name	Coordinates X Y in meter	Building side	Floor	Height abv.grd. m	Limit Day dB(A)	Level w/o Day dB(A)	Level w NF Day dB(A)	Difference Day dB	Conflict Day dB
1	Ashton Avenue 10806	11367120. 3769571.1	West	GF	100.37	-	75.7	42.2	-33.5	-
2	Californian on Wilshire	11367076. 3769668.2	West	GF	104.01	-	52.4	48.8	-3.5	-
				1.Fl	106.81	-	59.2	54.0	-5.2	-
				2.Fl	109.61	-	59.1	54.8	-4.3	-
				3.Fl	112.41	-	58.4	54.5	-3.9	-
				4.Fl	115.21	-	57.9	54.2	-3.8	-
				5.Fl	118.01	-	57.5	53.9	-3.6	-
				6.Fl	120.81	-	57.2	53.7	-3.6	-
				7.Fl	123.61	-	57.1	53.4	-3.6	-
				8.Fl	126.41	-	56.8	53.2	-3.6	-
				9.Fl	129.21	-	56.7	52.9	-3.8	-
				10.Fl	132.01	-	56.7	52.7	-4.0	-
				11.Fl	134.81	-	56.5	52.4	-4.1	-
				12.Fl	137.61	-	56.6	52.1	-4.5	-
				13.Fl	140.41	-	57.0	51.7	-5.3	-
				14.Fl	143.21	-	57.4	51.4	-6.0	-
				15.Fl	146.01	-	57.6	51.0	-6.6	-
				16.Fl	148.81	-	57.9	50.7	-7.2	-
				17.Fl	151.61	-	58.1	50.3	-7.8	-
				18.Fl	154.41	-	58.3	50.0	-8.3	-
				19.Fl	157.21	-	58.4	49.7	-8.7	-
				20.Fl	160.01	-	58.5	49.4	-9.1	-
				21.Fl	162.81	-	58.5	49.1	-9.4	-
				22.Fl	165.61	-	58.5	48.9	-9.7	-
3	Legacy at Westwood E	11367042. 3769735.9	South	GF	105.16	-	46.4	40.1	-6.3	-
				1.Fl	107.96	-	53.7	43.1	-10.5	-
				2.Fl	110.76	-	57.3	46.2	-11.1	-
				3.Fl	113.56	-	57.4	47.2	-10.2	-
				4.Fl	116.36	-	57.1	47.8	-9.4	-
				5.Fl	119.16	-	56.7	48.0	-8.8	-
4	Wellworth Avenue 10813	11367118. 3769532.0	North	GF	99.02	-	71.0	36.9	-34.2	-
5	Wilshire Villa Apartments	11367085. 3769619.3	West	GF	102.13	-	67.1	51.4	-15.7	-
				1.Fl	104.93	-	66.9	57.2	-9.7	-
				2.Fl	107.73	-	66.3	56.7	-9.7	-
				3.Fl	110.53	-	65.9	56.1	-9.8	-
				4.Fl	113.33	-	65.5	55.6	-9.9	-
				5.Fl	116.13	-	65.3	55.1	-10.2	-

Contribution levels of the receivers

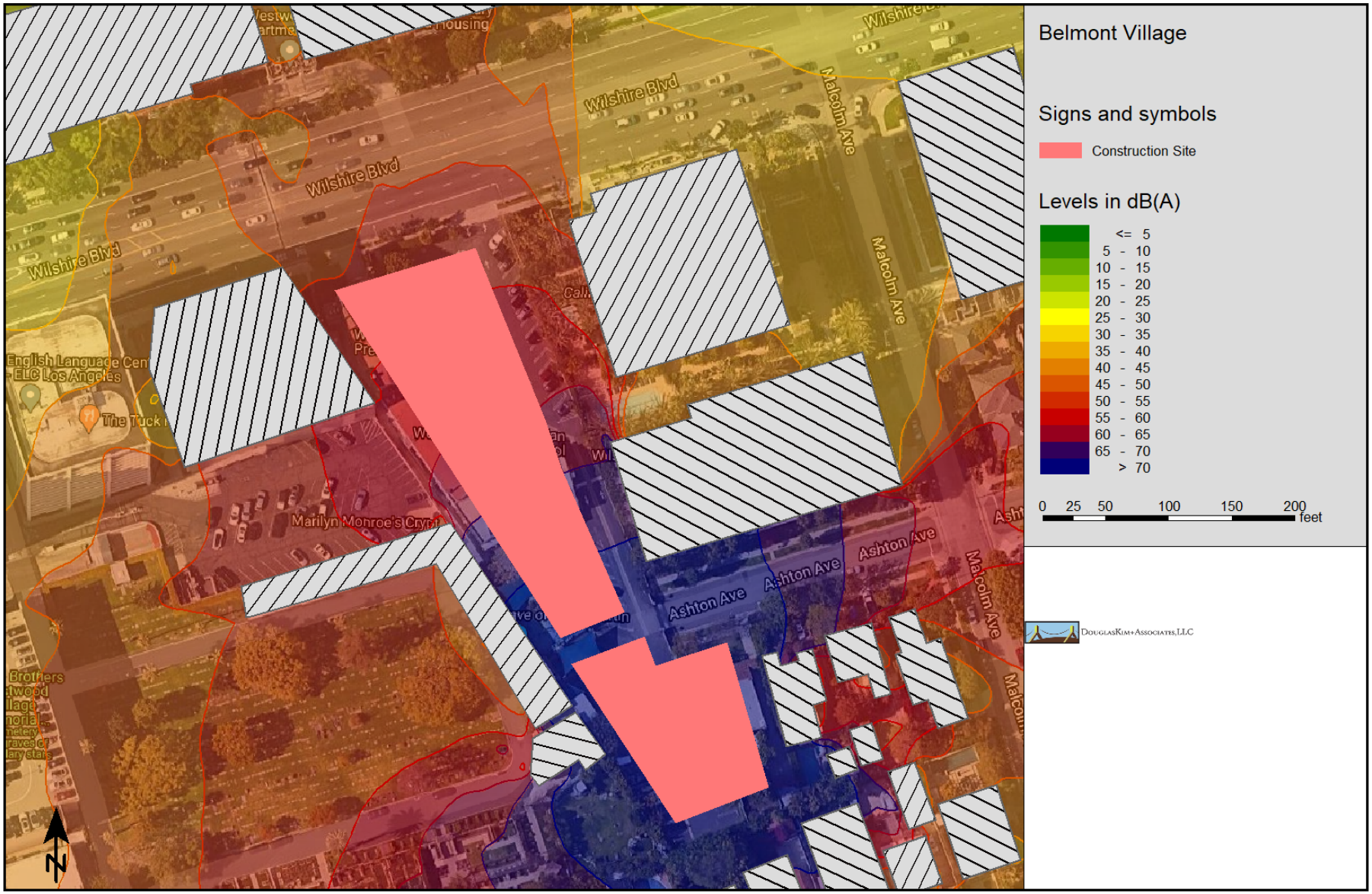
Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Ashton Avenue 10806	GF	75.7	42.2		
Construction (Phase 1)			-	75.7	-11.2
Construction (Phase 2)			-	-18.2	42.2
Californian on Wilshire	GF	52.4	48.8		
Construction (Phase 1)			-	52.4	-27.3
Construction (Phase 2)			-	-9.8	48.8
Californian on Wilshire	1.Fl	59.2	54.0		
Construction (Phase 1)			-	59.2	-23.0
Construction (Phase 2)			-	-9.2	54.0
Californian on Wilshire	2.Fl	59.1	54.8		
Construction (Phase 1)			-	59.1	-22.9
Construction (Phase 2)			-	-9.3	54.8
Californian on Wilshire	3.Fl	58.4	54.5		
Construction (Phase 1)			-	58.4	-23.7
Construction (Phase 2)			-	-9.5	54.5
Californian on Wilshire	4.Fl	57.9	54.2		
Construction (Phase 1)			-	57.9	-24.2
Construction (Phase 2)			-	-9.7	54.2
Californian on Wilshire	5.Fl	57.5	53.9		
Construction (Phase 1)			-	57.5	-24.4
Construction (Phase 2)			-	-10.0	53.9
Californian on Wilshire	6.Fl	57.2	53.7		
Construction (Phase 1)			-	57.2	-24.8
Construction (Phase 2)			-	-10.2	53.7
Californian on Wilshire	7.Fl	57.1	53.4		
Construction (Phase 1)			-	57.1	-25.0
Construction (Phase 2)			-	-10.5	53.4
Californian on Wilshire	8.Fl	56.8	53.2		
Construction (Phase 1)			-	56.8	-25.1
Construction (Phase 2)			-	-10.7	53.2
Californian on Wilshire	9.Fl	56.7	52.9		
Construction (Phase 1)			-	56.7	-25.3
Construction (Phase 2)			-	-11.0	52.9
Californian on Wilshire	10.Fl	56.7	52.7		
Construction (Phase 1)			-	56.7	-25.3
Construction (Phase 2)			-	-11.3	52.7
Californian on Wilshire	11.Fl	56.5	52.4		
Construction (Phase 1)			-	56.5	-25.5
Construction (Phase 2)			-	-11.6	52.4
Californian on Wilshire	12.Fl	56.6	52.1		
Construction (Phase 1)			-	56.6	-25.4
Construction (Phase 2)			-	-11.9	52.1
Californian on Wilshire	13.Fl	57.0	51.7		
Construction (Phase 1)			-	57.0	-24.9
Construction (Phase 2)			-	-12.2	51.7
Californian on Wilshire	14.Fl	57.4	51.4		
Construction (Phase 1)			-	57.4	-24.5
Construction (Phase 2)			-	-12.6	51.4
Californian on Wilshire	15.Fl	57.6	51.0		
Construction (Phase 1)			-	57.6	-24.3
Construction (Phase 2)			-	-12.9	51.0
Californian on Wilshire	16.Fl	57.9	50.7		
Construction (Phase 1)			-	57.9	-24.1
Construction (Phase 2)			-	-13.3	50.7

Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Californian on Wilshire	17.Fl	58.1	50.3		
Construction (Phase 1)			-	58.1	-23.9
Construction (Phase 2)			-	-13.6	50.3
Californian on Wilshire	18.Fl	58.3	50.0		
Construction (Phase 1)			-	58.3	-23.7
Construction (Phase 2)			-	-14.0	50.0
Californian on Wilshire	19.Fl	58.4	49.7		
Construction (Phase 1)			-	58.4	-23.6
Construction (Phase 2)			-	-14.3	49.7
Californian on Wilshire	20.Fl	58.5	49.4		
Construction (Phase 1)			-	58.5	-23.5
Construction (Phase 2)			-	-14.6	49.4
Californian on Wilshire	21.Fl	58.5	49.1		
Construction (Phase 1)			-	58.5	-23.5
Construction (Phase 2)			-	-14.9	49.1
Californian on Wilshire	22.Fl	58.5	48.9		
Construction (Phase 1)			-	58.5	-23.5
Construction (Phase 2)			-	-15.1	48.9
Legacy at Westwood E	GF	46.4	40.1		
Construction (Phase 1)			-	46.4	-33.8
Construction (Phase 2)			-	-18.8	40.1
Legacy at Westwood E	1.Fl	53.7	43.1		
Construction (Phase 1)			-	53.7	-28.6
Construction (Phase 2)			-	-15.3	43.1
Legacy at Westwood E	2.Fl	57.3	46.2		
Construction (Phase 1)			-	57.3	-25.1
Construction (Phase 2)			-	-15.3	46.2
Legacy at Westwood E	3.Fl	57.4	47.2		
Construction (Phase 1)			-	57.4	-24.8
Construction (Phase 2)			-	-15.3	47.2
Legacy at Westwood E	4.Fl	57.1	47.8		
Construction (Phase 1)			-	57.1	-24.6
Construction (Phase 2)			-	-15.4	47.8
Legacy at Westwood E	5.Fl	56.7	48.0		
Construction (Phase 1)			-	56.7	-24.7
Construction (Phase 2)			-	-15.4	48.0
Wellworth Avenue 10813	GF	71.0	36.9		
Construction (Phase 1)			-	71.0	-19.5
Construction (Phase 2)			-	-25.7	36.9
Wilshire Villa Apartments	GF	67.1	51.4		
Construction (Phase 1)			-	67.1	-19.3
Construction (Phase 2)			-	-6.9	51.4
Wilshire Villa Apartments	1.Fl	66.9	57.2		
Construction (Phase 1)			-	66.9	-14.9
Construction (Phase 2)			-	-7.2	57.2
Wilshire Villa Apartments	2.Fl	66.3	56.7		
Construction (Phase 1)			-	66.3	-15.4
Construction (Phase 2)			-	-7.6	56.7
Wilshire Villa Apartments	3.Fl	65.9	56.1		
Construction (Phase 1)			-	65.9	-16.0
Construction (Phase 2)			-	-8.0	56.1
Wilshire Villa Apartments	4.Fl	65.5	55.6		
Construction (Phase 1)			-	65.5	-16.4
Construction (Phase 2)			-	-8.5	55.6

Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Wilshire Villa Apartments	5.Fl	65.3	55.1		
Construction (Phase 1)			-	65.3	-16.7
Construction (Phase 2)			-	-8.9	55.1


Belmont Village
Signs and symbols
Construction Site
Levels in dB(A)
<= 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
> 70
0 25 50 100 150 200 feet
Douglas Kim + Associates, LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
N


Belmont Village
Signs and symbols
Receiver at building
Construction Site
Level tables
Facade with conflict
0 25 50 100 150 200 feet
DouglasKim+Associates,LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
6 56.7
5 57.1
4 57.4
3 57.3
2 53.7
1 46.4
23 58.5
22 58.5
21 58.5
20 58.4
19 58.3
18 58.1
17 57.9
16 57.6
15 57.4
14 57.0
13 56.6
12 56.5
11 56.7
10 56.7
9 56.8
8 57.1
7 57.2
6 57.5
5 57.9
4 58.4
6 65.3
5 65.5
4 65.9
3 66.3
2 66.9
1 67.1
1 75.7
1 71.0
1
2
4
5
N

Construction Noise Impacts (without Mitigation

DouglasKim+Associates,LI

Reference	15.24	meter
Sound Pressure Level	82.0	dBA

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Wilshire Villa Apartments	54.3	67.1	67.3	13.0	**Yes**
Ashton Avenue residences	53.0	75.7	75.7	22.7	**Yes**
Wellworth Avenue residences	49.4	71.0	71.0	21.6	**Yes**
Californian on Wilshire residences	57.6	59.2	61.5	3.9	**No**
Legacy at Westwood residences	72.7	57.4	72.8	0.1	**No**

Cumulative Noise Impacts (Without Mitigation)

DouglasKim+Associates,LLC

Source	Sound Pressure Level	Add / Sub	10^(x/10)
1	75	Add	31622777
2	75	Add	31622777
3	75	Add	31622777
4	75	Add	31622777
5	75	Add	31622777
6		Add	1
7		Add	1
8		Add	1
9		Add	1
10		Add	1
11		Add	1
12		Add	1
Total	82.0	Summation ->	158113890
	=IF(D17<0,"n/a",10*LOG(D17))		=sum(D5:D16)

=IF(C5="Add",10^(B5/10),10^(B5/10)*-1)

Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Corrections Cwall dB	 CI dB	 CT dB
Construction (Phase 1)	1239 m²	Lw/	72.0	-	-	-
Construction (Phase 2)	2466 m²	Lw/	-	-	-	-

Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Ashton Avenue 10806	GF	65.7	53.4		
Construction (Phase 1)			-	65.7	53.4
Construction (Phase 2)			-	-18.2	-28.2
Californian on Wilshire	GF	42.4	43.4		
Construction (Phase 1)			-	42.4	43.4
Construction (Phase 2)			-	-9.8	-18.8
Californian on Wilshire	1.Fl	49.2	48.1		
Construction (Phase 1)			-	49.2	48.1
Construction (Phase 2)			-	-9.2	-12.1
Californian on Wilshire	2.Fl	49.1	49.7		
Construction (Phase 1)			-	49.1	49.7
Construction (Phase 2)			-	-9.3	-9.5
Californian on Wilshire	3.Fl	48.4	49.3		
Construction (Phase 1)			-	48.4	49.3
Construction (Phase 2)			-	-9.5	-9.2
Californian on Wilshire	4.Fl	47.9	48.8		
Construction (Phase 1)			-	47.9	48.8
Construction (Phase 2)			-	-9.7	-9.6
Californian on Wilshire	5.Fl	47.5	48.2		
Construction (Phase 1)			-	47.5	48.2
Construction (Phase 2)			-	-10.0	-9.9
Californian on Wilshire	6.Fl	47.2	47.8		
Construction (Phase 1)			-	47.2	47.8
Construction (Phase 2)			-	-10.2	-10.2
Californian on Wilshire	7.Fl	47.1	47.6		
Construction (Phase 1)			-	47.1	47.6
Construction (Phase 2)			-	-10.5	-10.5
Californian on Wilshire	8.Fl	46.8	47.3		
Construction (Phase 1)			-	46.8	47.3
Construction (Phase 2)			-	-10.7	-10.8
Californian on Wilshire	9.Fl	46.7	47.2		
Construction (Phase 1)			-	46.7	47.2
Construction (Phase 2)			-	-11.0	-11.1
Californian on Wilshire	10.Fl	46.7	47.0		
Construction (Phase 1)			-	46.7	47.0
Construction (Phase 2)			-	-11.3	-11.4
Californian on Wilshire	11.Fl	46.5	46.7		
Construction (Phase 1)			-	46.5	46.7
Construction (Phase 2)			-	-11.6	-11.6
Californian on Wilshire	12.Fl	46.6	46.7		
Construction (Phase 1)			-	46.6	46.7
Construction (Phase 2)			-	-11.9	-11.9
Californian on Wilshire	13.Fl	47.0	47.1		
Construction (Phase 1)			-	47.0	47.1
Construction (Phase 2)			-	-12.2	-12.3
Californian on Wilshire	14.Fl	47.4	47.6		
Construction (Phase 1)			-	47.4	47.6
Construction (Phase 2)			-	-12.6	-12.6
Californian on Wilshire	15.Fl	47.6	47.7		
Construction (Phase 1)			-	47.6	47.7
Construction (Phase 2)			-	-12.9	-13.0
Californian on Wilshire	16.Fl	47.9	47.9		
Construction (Phase 1)			-	47.9	47.9
Construction (Phase 2)			-	-13.3	-13.3

Contribution levels of the receivers

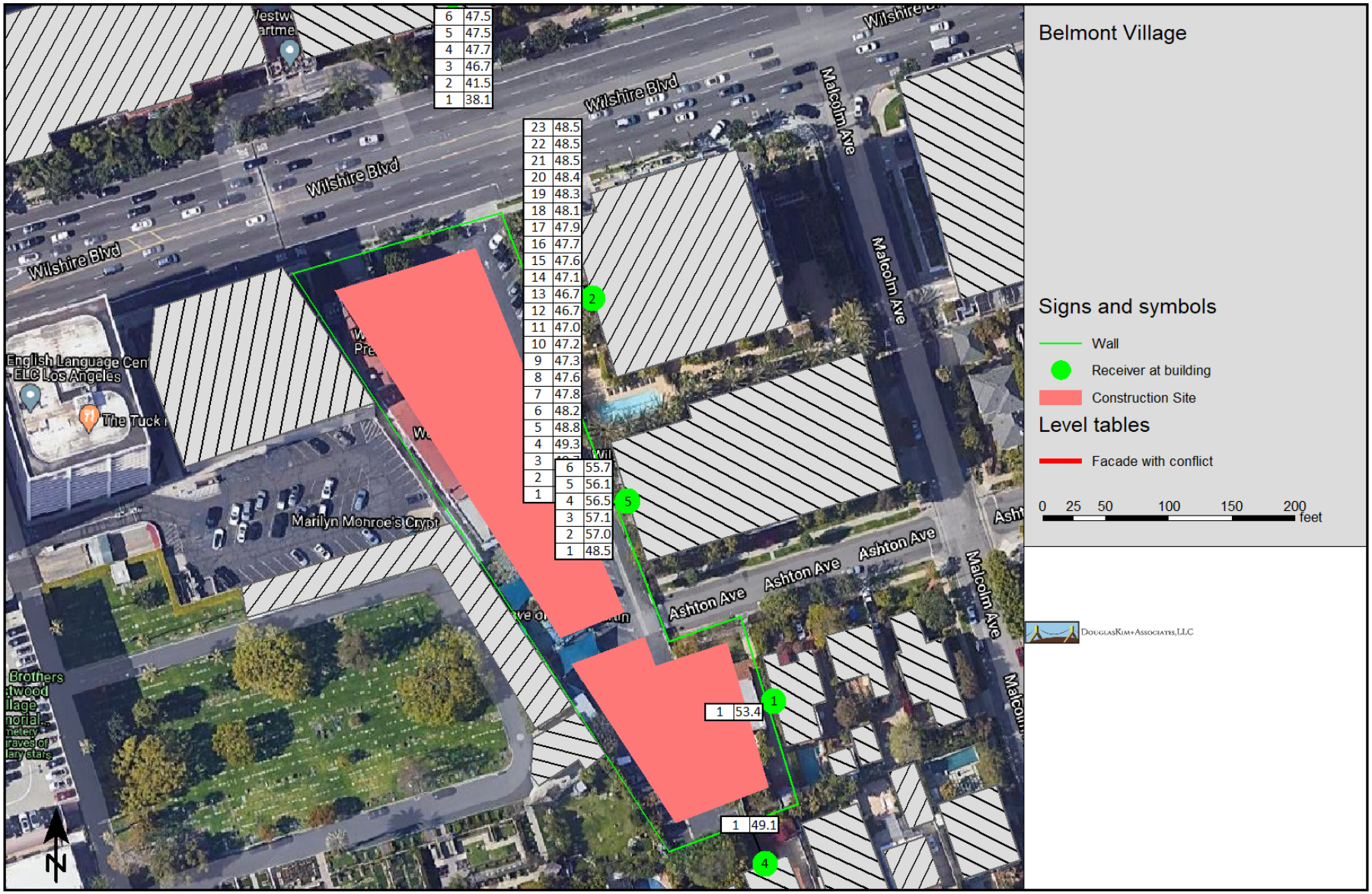
Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Californian on Wilshire	17.Fl	48.1	48.1		
Construction (Phase 1)			-	48.1	48.1
Construction (Phase 2)			-	-13.6	-13.7
Californian on Wilshire	18.Fl	48.3	48.3		
Construction (Phase 1)			-	48.3	48.3
Construction (Phase 2)			-	-14.0	-14.0
Californian on Wilshire	19.Fl	48.4	48.4		
Construction (Phase 1)			-	48.4	48.4
Construction (Phase 2)			-	-14.3	-14.3
Californian on Wilshire	20.Fl	48.5	48.5		
Construction (Phase 1)			-	48.5	48.5
Construction (Phase 2)			-	-14.6	-14.6
Californian on Wilshire	21.Fl	48.5	48.5		
Construction (Phase 1)			-	48.5	48.5
Construction (Phase 2)			-	-14.9	-14.9
Californian on Wilshire	22.Fl	48.5	48.5		
Construction (Phase 1)			-	48.5	48.5
Construction (Phase 2)			-	-15.1	-15.1
Legacy at Westwood E	GF	36.4	38.1		
Construction (Phase 1)			-	36.4	38.1
Construction (Phase 2)			-	-18.8	-25.6
Legacy at Westwood E	1.Fl	43.7	41.5		
Construction (Phase 1)			-	43.7	41.5
Construction (Phase 2)			-	-15.3	-22.1
Legacy at Westwood E	2.Fl	47.3	46.7		
Construction (Phase 1)			-	47.3	46.7
Construction (Phase 2)			-	-15.3	-19.3
Legacy at Westwood E	3.Fl	47.4	47.7		
Construction (Phase 1)			-	47.4	47.7
Construction (Phase 2)			-	-15.3	-17.3
Legacy at Westwood E	4.Fl	47.1	47.5		
Construction (Phase 1)			-	47.1	47.5
Construction (Phase 2)			-	-15.4	-16.7
Legacy at Westwood E	5.Fl	46.7	47.5		
Construction (Phase 1)			-	46.7	47.5
Construction (Phase 2)			-	-15.4	-16.3
Wellworth Avenue 10813	GF	61.0	49.1		
Construction (Phase 1)			-	61.0	49.1
Construction (Phase 2)			-	-25.7	-29.0
Wilshire Villa Apartments	GF	57.1	48.5		
Construction (Phase 1)			-	57.1	48.5
Construction (Phase 2)			-	-6.9	-18.6
Wilshire Villa Apartments	1.Fl	56.9	57.0		
Construction (Phase 1)			-	56.9	57.0
Construction (Phase 2)			-	-7.2	-6.9
Wilshire Villa Apartments	2.Fl	56.3	57.1		
Construction (Phase 1)			-	56.3	57.1
Construction (Phase 2)			-	-7.6	-7.0
Wilshire Villa Apartments	3.Fl	55.9	56.5		
Construction (Phase 1)			-	55.9	56.5
Construction (Phase 2)			-	-8.0	-7.6
Wilshire Villa Apartments	4.Fl	55.5	56.1		
Construction (Phase 1)			-	55.5	56.1
Construction (Phase 2)			-	-8.5	-8.1

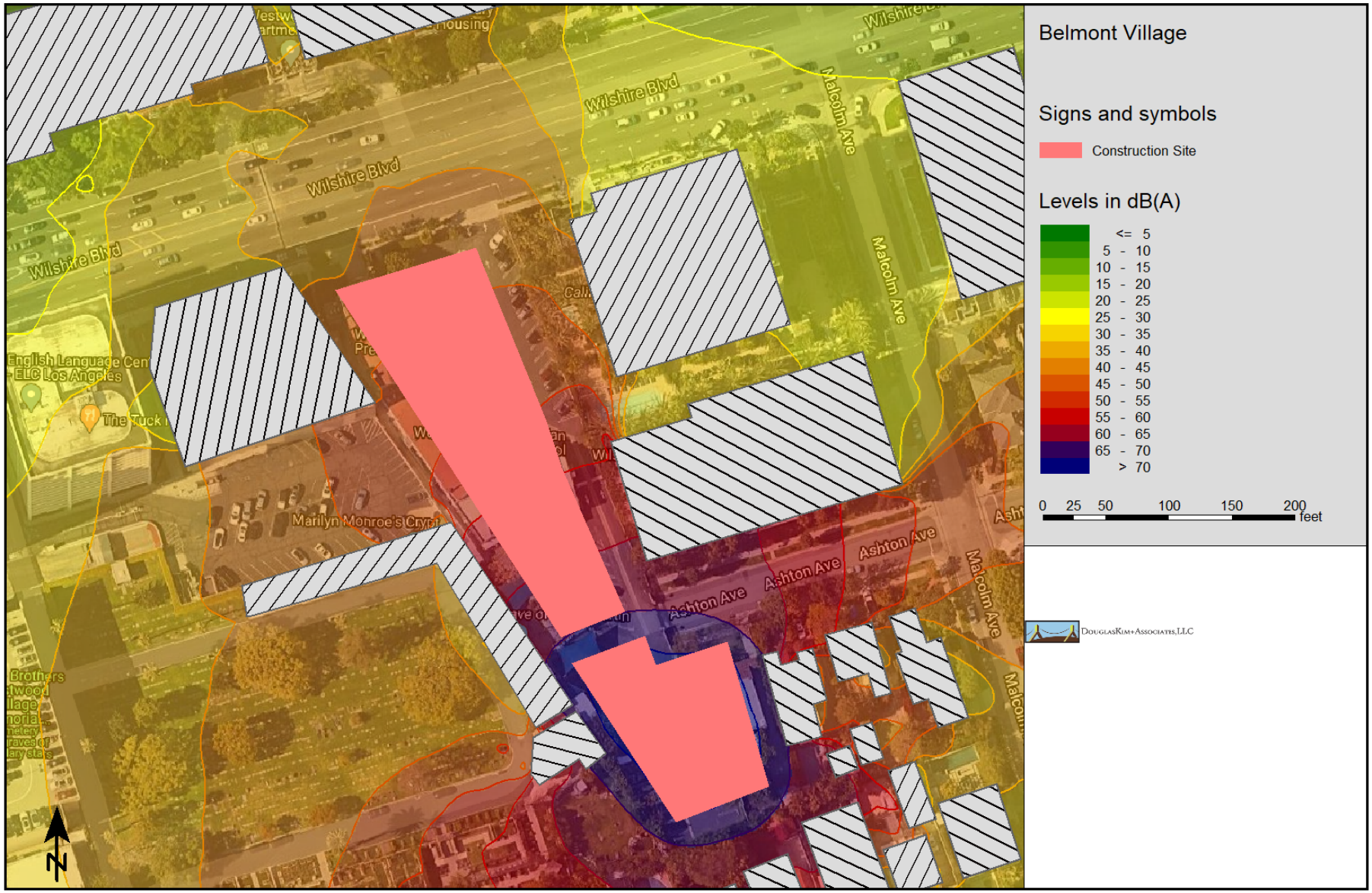
Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Wilshire Villa Apartments	5.Fl	55.3	55.7		
Construction (Phase 1)			-	55.3	55.7
Construction (Phase 2)			-	-8.9	-8.7

Receiver list

No.	Receiver name	Coordinates X Y in meter	Building side	Floor	Height abv.grd. m	Limit Day dB(A)	Level w/o Day dB(A)	Level w NF Day dB(A)	Difference Day dB	Conflict Day dB
1	Ashton Avenue 10806	11367120. 3769571.1	West	GF	100.37	-	65.7	53.4	-12.3	-
2	Californian on Wilshire	11367076. 3769668.2	West	GF	104.01	-	42.4	43.4	1.0	-
				1.Fl	106.81	-	49.2	48.1	-1.1	-
				2.Fl	109.61	-	49.1	49.7	0.6	-
				3.Fl	112.41	-	48.4	49.3	0.9	-
				4.Fl	115.21	-	47.9	48.8	0.9	-
				5.Fl	118.01	-	47.5	48.2	0.7	-
				6.Fl	120.81	-	47.2	47.8	0.5	-
				7.Fl	123.61	-	47.1	47.6	0.5	-
				8.Fl	126.41	-	46.8	47.3	0.5	-
				9.Fl	129.21	-	46.7	47.2	0.5	-
				10.Fl	132.01	-	46.7	47.0	0.3	-
				11.Fl	134.81	-	46.5	46.7	0.2	-
				12.Fl	137.61	-	46.6	46.7	0.0	-
				13.Fl	140.41	-	47.0	47.1	0.1	-
				14.Fl	143.21	-	47.4	47.6	0.2	-
				15.Fl	146.01	-	47.6	47.7	0.1	-
				16.Fl	148.81	-	47.9	47.9	0.0	-
				17.Fl	151.61	-	48.1	48.1	0.0	-
				18.Fl	154.41	-	48.3	48.3	0.0	-
				19.Fl	157.21	-	48.4	48.4	0.0	-
				20.Fl	160.01	-	48.5	48.5	0.0	-
				21.Fl	162.81	-	48.5	48.5	0.0	-
				22.Fl	165.61	-	48.5	48.5	0.0	-
3	Legacy at Westwood E	11367042. 3769735.9	South	GF	105.16	-	36.4	38.1	1.8	-
				1.Fl	107.96	-	43.7	41.5	-2.1	-
				2.Fl	110.76	-	47.3	46.7	-0.6	-
				3.Fl	113.56	-	47.4	47.7	0.3	-
				4.Fl	116.36	-	47.1	47.5	0.3	-
				5.Fl	119.16	-	46.7	47.5	0.8	-
4	Wellworth Avenue 10813	11367118. 3769532.0	North	GF	99.02	-	61.0	49.1	-11.9	-
5	Wilshire Villa Apartments	11367085. 3769619.3	West	GF	102.13	-	57.1	48.5	-8.7	-
				1.Fl	104.93	-	56.9	57.0	0.1	-
				2.Fl	107.73	-	56.3	57.1	0.7	-
				3.Fl	110.53	-	55.9	56.5	0.6	-
				4.Fl	113.33	-	55.5	56.1	0.5	-
				5.Fl	116.13	-	55.3	55.7	0.4	-


Belmont Village
Signs and symbols
Wall
Receiver at building
Construction Site
Level tables
Facade with conflict
0 25 50 100 150 200 feet
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
The Tuck
Brothers
6 47.5
5 47.5
4 47.7
3 46.7
2 41.5
1 38.1
23 48.5
22 48.5
21 48.5
20 48.4
19 48.3
18 48.1
17 47.9
16 47.7
15 47.6
14 47.1
13 46.7
12 46.7
11 47.0
10 47.2
9 47.3
8 47.6
7 47.8
6 48.2
5 48.8
4 49.3
6 55.7
5 56.1
4 56.5
3 57.1
2 57.0
1 48.5
1 53.4
1 49.1
1
2
4
5
N


Belmont Village
Signs and symbols
Construction Site
Levels in dB(A)
<= 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
> 70
0 25 50 100 150 200 feet
Douglas Kim+Associates,LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
N

Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Corrections Cwall dB	 CI dB	 CT dB
Construction (Phase 1)	1239 m²	Lw/	72.0	-	-	-
Construction (Phase 2)	2466 m²	Lw/	-	-	-	-

Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Ashton Avenue 10806	GF	65.7	53.4		
Construction (Phase 1)			-	65.7	53.4
Construction (Phase 2)			-	-18.2	-28.2
Californian on Wilshire	GF	42.4	43.4		
Construction (Phase 1)			-	42.4	43.4
Construction (Phase 2)			-	-9.8	-18.8
Californian on Wilshire	1.Fl	49.2	48.1		
Construction (Phase 1)			-	49.2	48.1
Construction (Phase 2)			-	-9.2	-12.1
Californian on Wilshire	2.Fl	49.1	49.7		
Construction (Phase 1)			-	49.1	49.7
Construction (Phase 2)			-	-9.3	-9.5
Californian on Wilshire	3.Fl	48.4	49.3		
Construction (Phase 1)			-	48.4	49.3
Construction (Phase 2)			-	-9.5	-9.2
Californian on Wilshire	4.Fl	47.9	48.8		
Construction (Phase 1)			-	47.9	48.8
Construction (Phase 2)			-	-9.7	-9.6
Californian on Wilshire	5.Fl	47.5	48.2		
Construction (Phase 1)			-	47.5	48.2
Construction (Phase 2)			-	-10.0	-9.9
Californian on Wilshire	6.Fl	47.2	47.8		
Construction (Phase 1)			-	47.2	47.8
Construction (Phase 2)			-	-10.2	-10.2
Californian on Wilshire	7.Fl	47.1	47.6		
Construction (Phase 1)			-	47.1	47.6
Construction (Phase 2)			-	-10.5	-10.5
Californian on Wilshire	8.Fl	46.8	47.3		
Construction (Phase 1)			-	46.8	47.3
Construction (Phase 2)			-	-10.7	-10.8
Californian on Wilshire	9.Fl	46.7	47.2		
Construction (Phase 1)			-	46.7	47.2
Construction (Phase 2)			-	-11.0	-11.1
Californian on Wilshire	10.Fl	46.7	47.0		
Construction (Phase 1)			-	46.7	47.0
Construction (Phase 2)			-	-11.3	-11.4
Californian on Wilshire	11.Fl	46.5	46.7		
Construction (Phase 1)			-	46.5	46.7
Construction (Phase 2)			-	-11.6	-11.6
Californian on Wilshire	12.Fl	46.6	46.7		
Construction (Phase 1)			-	46.6	46.7
Construction (Phase 2)			-	-11.9	-11.9
Californian on Wilshire	13.Fl	47.0	47.1		
Construction (Phase 1)			-	47.0	47.1
Construction (Phase 2)			-	-12.2	-12.3
Californian on Wilshire	14.Fl	47.4	47.6		
Construction (Phase 1)			-	47.4	47.6
Construction (Phase 2)			-	-12.6	-12.6
Californian on Wilshire	15.Fl	47.6	47.7		
Construction (Phase 1)			-	47.6	47.7
Construction (Phase 2)			-	-12.9	-13.0
Californian on Wilshire	16.Fl	47.9	47.9		
Construction (Phase 1)			-	47.9	47.9
Construction (Phase 2)			-	-13.3	-13.3

Contribution levels of the receivers

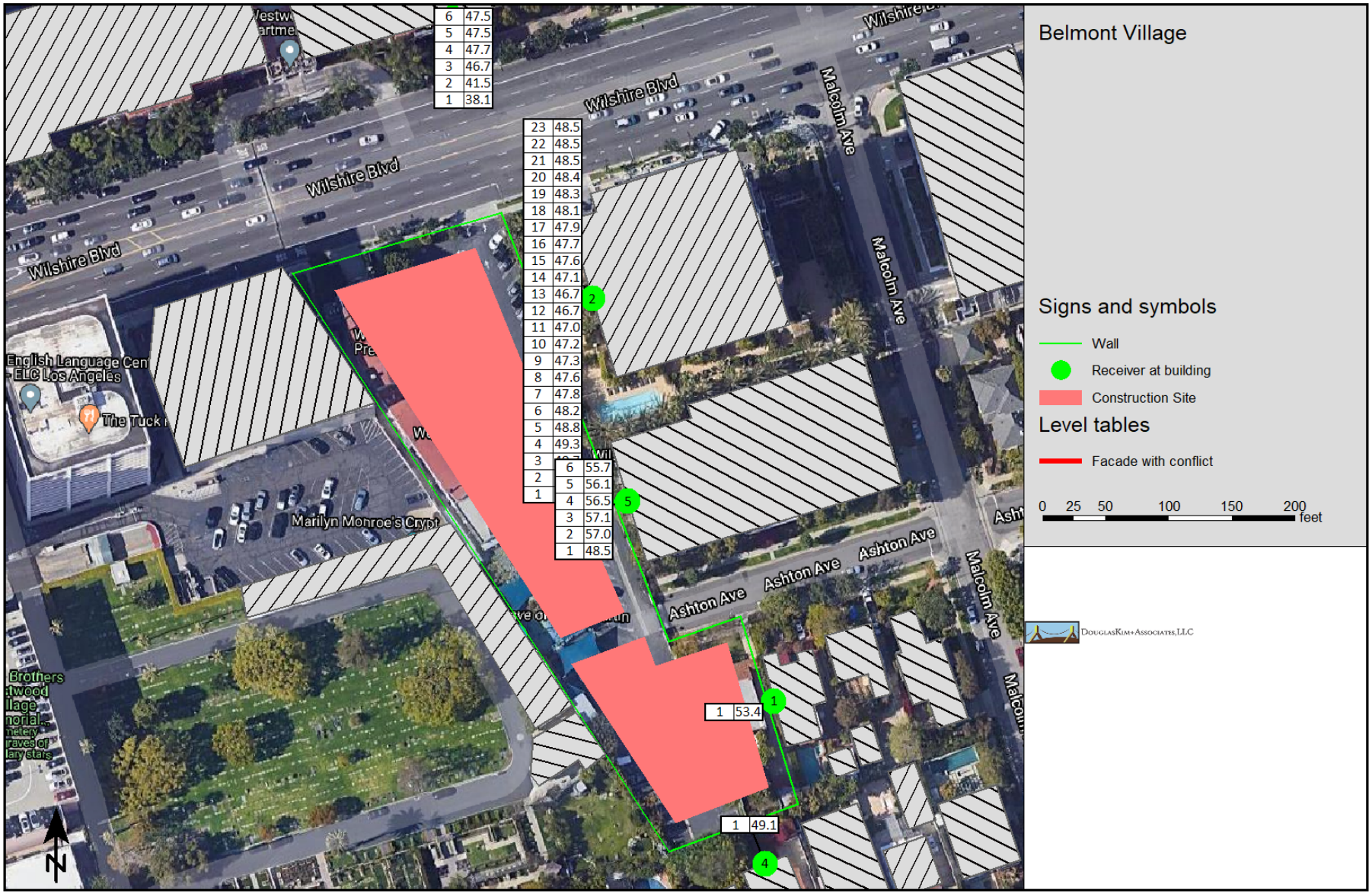
Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Californian on Wilshire	17.Fl	48.1	48.1		
Construction (Phase 1)			-	48.1	48.1
Construction (Phase 2)			-	-13.6	-13.7
Californian on Wilshire	18.Fl	48.3	48.3		
Construction (Phase 1)			-	48.3	48.3
Construction (Phase 2)			-	-14.0	-14.0
Californian on Wilshire	19.Fl	48.4	48.4		
Construction (Phase 1)			-	48.4	48.4
Construction (Phase 2)			-	-14.3	-14.3
Californian on Wilshire	20.Fl	48.5	48.5		
Construction (Phase 1)			-	48.5	48.5
Construction (Phase 2)			-	-14.6	-14.6
Californian on Wilshire	21.Fl	48.5	48.5		
Construction (Phase 1)			-	48.5	48.5
Construction (Phase 2)			-	-14.9	-14.9
Californian on Wilshire	22.Fl	48.5	48.5		
Construction (Phase 1)			-	48.5	48.5
Construction (Phase 2)			-	-15.1	-15.1
Legacy at Westwood E	GF	36.4	38.1		
Construction (Phase 1)			-	36.4	38.1
Construction (Phase 2)			-	-18.8	-25.6
Legacy at Westwood E	1.Fl	43.7	41.5		
Construction (Phase 1)			-	43.7	41.5
Construction (Phase 2)			-	-15.3	-22.1
Legacy at Westwood E	2.Fl	47.3	46.7		
Construction (Phase 1)			-	47.3	46.7
Construction (Phase 2)			-	-15.3	-19.3
Legacy at Westwood E	3.Fl	47.4	47.7		
Construction (Phase 1)			-	47.4	47.7
Construction (Phase 2)			-	-15.3	-17.3
Legacy at Westwood E	4.Fl	47.1	47.5		
Construction (Phase 1)			-	47.1	47.5
Construction (Phase 2)			-	-15.4	-16.7
Legacy at Westwood E	5.Fl	46.7	47.5		
Construction (Phase 1)			-	46.7	47.5
Construction (Phase 2)			-	-15.4	-16.3
Wellworth Avenue 10813	GF	61.0	49.1		
Construction (Phase 1)			-	61.0	49.1
Construction (Phase 2)			-	-25.7	-29.0
Wilshire Villa Apartments	GF	57.1	48.5		
Construction (Phase 1)			-	57.1	48.5
Construction (Phase 2)			-	-6.9	-18.6
Wilshire Villa Apartments	1.Fl	56.9	57.0		
Construction (Phase 1)			-	56.9	57.0
Construction (Phase 2)			-	-7.2	-6.9
Wilshire Villa Apartments	2.Fl	56.3	57.1		
Construction (Phase 1)			-	56.3	57.1
Construction (Phase 2)			-	-7.6	-7.0
Wilshire Villa Apartments	3.Fl	55.9	56.5		
Construction (Phase 1)			-	55.9	56.5
Construction (Phase 2)			-	-8.0	-7.6
Wilshire Villa Apartments	4.Fl	55.5	56.1		
Construction (Phase 1)			-	55.5	56.1
Construction (Phase 2)			-	-8.5	-8.1

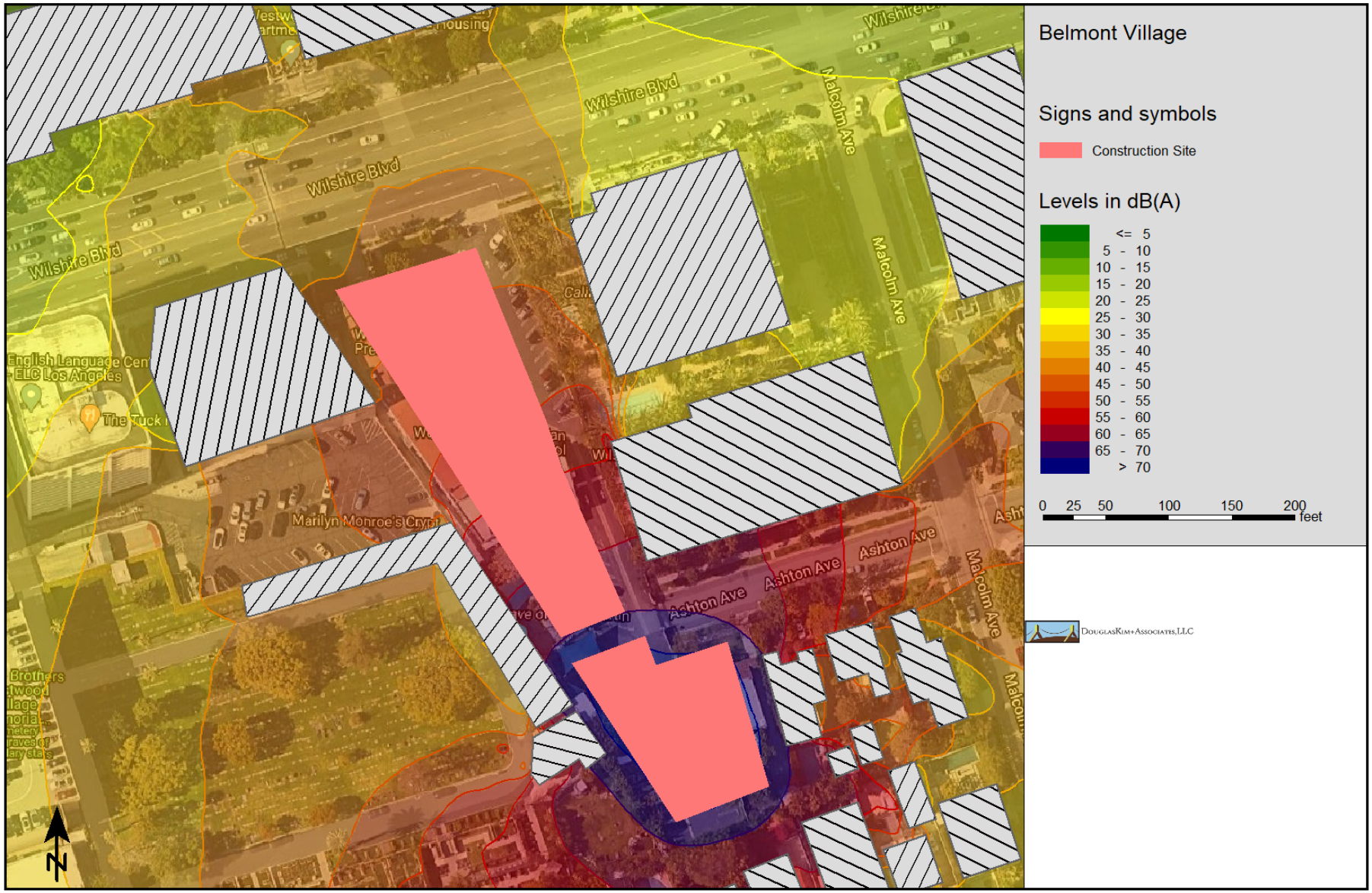
Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Wilshire Villa Apartments	5.Fl	55.3	55.7		
Construction (Phase 1)			-	55.3	55.7
Construction (Phase 2)			-	-8.9	-8.7

Receiver list

No.	Receiver name	Coordinates X Y in meter	Building side	Floor	Height abv.grd. m	Limit Day dB(A)	Level w/o Day dB(A)	Level w NF Day dB(A)	Difference Day dB	Conflict Day dB
1	Ashton Avenue 10806	11367120. 3769571.1	West	GF	100.37	-	65.7	53.4	-12.3	-
2	Californian on Wilshire	11367076. 3769668.2	West	GF	104.01	-	42.4	43.4	1.0	-
				1.Fl	106.81	-	49.2	48.1	-1.1	-
				2.Fl	109.61	-	49.1	49.7	0.6	-
				3.Fl	112.41	-	48.4	49.3	0.9	-
				4.Fl	115.21	-	47.9	48.8	0.9	-
				5.Fl	118.01	-	47.5	48.2	0.7	-
				6.Fl	120.81	-	47.2	47.8	0.5	-
				7.Fl	123.61	-	47.1	47.6	0.5	-
				8.Fl	126.41	-	46.8	47.3	0.5	-
				9.Fl	129.21	-	46.7	47.2	0.5	-
				10.Fl	132.01	-	46.7	47.0	0.3	-
				11.Fl	134.81	-	46.5	46.7	0.2	-
				12.Fl	137.61	-	46.6	46.7	0.0	-
				13.Fl	140.41	-	47.0	47.1	0.1	-
				14.Fl	143.21	-	47.4	47.6	0.2	-
				15.Fl	146.01	-	47.6	47.7	0.1	-
				16.Fl	148.81	-	47.9	47.9	0.0	-
				17.Fl	151.61	-	48.1	48.1	0.0	-
				18.Fl	154.41	-	48.3	48.3	0.0	-
				19.Fl	157.21	-	48.4	48.4	0.0	-
				20.Fl	160.01	-	48.5	48.5	0.0	-
				21.Fl	162.81	-	48.5	48.5	0.0	-
				22.Fl	165.61	-	48.5	48.5	0.0	-
3	Legacy at Westwood E	11367042. 3769735.9	South	GF	105.16	-	36.4	38.1	1.8	-
				1.Fl	107.96	-	43.7	41.5	-2.1	-
				2.Fl	110.76	-	47.3	46.7	-0.6	-
				3.Fl	113.56	-	47.4	47.7	0.3	-
				4.Fl	116.36	-	47.1	47.5	0.3	-
				5.Fl	119.16	-	46.7	47.5	0.8	-
4	Wellworth Avenue 10813	11367118. 3769532.0	North	GF	99.02	-	61.0	49.1	-11.9	-
5	Wilshire Villa Apartments	11367085. 3769619.3	West	GF	102.13	-	57.1	48.5	-8.7	-
				1.Fl	104.93	-	56.9	57.0	0.1	-
				2.Fl	107.73	-	56.3	57.1	0.7	-
				3.Fl	110.53	-	55.9	56.5	0.6	-
				4.Fl	113.33	-	55.5	56.1	0.5	-
				5.Fl	116.13	-	55.3	55.7	0.4	-


Belmont Village
Signs and symbols
Wall
Receiver at building
Construction Site
Level tables
Facade with conflict
0 25 50 100 150 200 feet
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
The Tuck
Brothers
6 47.5
5 47.5
4 47.7
3 46.7
2 41.5
1 38.1
23 48.5
22 48.5
21 48.5
20 48.4
19 48.3
18 48.1
17 47.9
16 47.7
15 47.6
14 47.1
13 46.7
12 46.7
11 47.0
10 47.2
9 47.3
8 47.6
7 47.8
6 48.2
5 48.8
4 49.3
6 55.7
5 56.1
4 56.5
3 57.1
2 57.0
1 48.5
1 53.4
1 49.1
1
2
4
5
N


Belmont Village
Signs and symbols
Construction Site
Levels in dB(A)
<= 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
> 70
0 25 50 100 150 200 feet
Douglas Kim+Associates,LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
N

Construction Noise Impacts (with Mitigation)

DouglasKim+Associates,LLC

Reference	15.24	meter
Sound Pressure Level	72.0	dBA

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Wilshire Villa Apartments	54.3	57.1	58.9	4.6	**No**
Ashton Avenue residences	53.0	53.4	56.2	3.2	**No**
Wellworth Avenue residences	49.4	49.1	52.3	2.9	**No**
Californian on Wilshire residences	57.6	49.7	58.3	0.7	**No**
Legacy at Westwood residences	72.7	47.7	72.7	0.0	**No**

Cumulative Noise Impacts (With Mitigation)

DouglasKim+Associates,LLC

Source	Sound Pressure Level	Add / Sub	10^(x/10)
1	65	Add	3162278
2	65	Add	3162278
3	65	Add	3162278
4	65	Add	3162278
5	65	Add	3162278
6		Add	1
7		Add	1
8		Add	1
9		Add	1
10		Add	1
11		Add	1
12		Add	1
Total	72.0	Summation ->	15811395.3
	=IF(D17<0,"n/a",10*LOG(D17))		=sum(D5:D16)

=IF(C5="Add",10^(B5/10),10^(B5/10)*-1)

CONSTRUCTION NOISE IMPACTS
PHASE 2

Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Corrections Cwall dB	 CI dB	 CT dB
Construction (Phase 1)	1239 m²	Lw/	-	-	-	-
Construction (Phase 2)	2466 m²	Lw/	82.0	-	-	-

Receiver list

No.	Receiver name	Coordinates X Y in meter	Building side	Floor	Height abv.grd. m	Limit Day dB(A)	Level w/o Day dB(A)	Level w NF Day dB(A)	Difference Day dB	Conflict Day dB
1	Ashton Avenue 10806	11367120. 3769571.1	West	GF	100.37	-	63.8	42.2	-21.6	-
2	Californian on Wilshire	11367076. 3769668.2	West	GF	104.01	-	72.2	48.8	-23.3	-
				1.Fl	106.81	-	72.8	54.0	-18.8	-
				2.Fl	109.61	-	72.7	54.8	-17.9	-
				3.Fl	112.41	-	72.5	54.5	-18.0	-
				4.Fl	115.21	-	72.3	54.2	-18.1	-
				5.Fl	118.01	-	72.0	53.9	-18.1	-
				6.Fl	120.81	-	71.8	53.7	-18.1	-
				7.Fl	123.61	-	71.5	53.4	-18.1	-
				8.Fl	126.41	-	71.3	53.2	-18.1	-
				9.Fl	129.21	-	71.0	52.9	-18.1	-
				10.Fl	132.01	-	70.7	52.7	-18.0	-
				11.Fl	134.81	-	70.4	52.4	-18.0	-
				12.Fl	137.61	-	70.1	52.1	-18.0	-
				13.Fl	140.41	-	69.8	51.7	-18.0	-
				14.Fl	143.21	-	69.4	51.4	-18.1	-
				15.Fl	146.01	-	69.1	51.0	-18.0	-
				16.Fl	148.81	-	68.7	50.7	-18.0	-
				17.Fl	151.61	-	68.4	50.3	-18.0	-
				18.Fl	154.41	-	68.0	50.0	-18.0	-
				19.Fl	157.21	-	67.7	49.7	-18.0	-
				20.Fl	160.01	-	67.4	49.4	-18.0	-
				21.Fl	162.81	-	67.1	49.1	-18.0	-
				22.Fl	165.61	-	66.9	48.9	-18.0	-
3	Legacy at Westwood E	11367042. 3769735.9	South	GF	105.16	-	63.2	40.1	-23.1	-
				1.Fl	107.96	-	66.7	43.1	-23.6	-
				2.Fl	110.76	-	66.7	46.2	-20.5	-
				3.Fl	113.56	-	66.7	47.2	-19.5	-
				4.Fl	116.36	-	66.6	47.8	-18.9	-
				5.Fl	119.16	-	66.6	48.0	-18.6	-
4	Wellworth Avenue 10813	11367118. 3769532.0	North	GF	99.02	-	56.2	36.9	-19.4	-
5	Wilshire Villa Apartments	11367085. 3769619.3	West	GF	102.13	-	75.1	51.4	-23.6	-
				1.Fl	104.93	-	74.8	57.2	-17.6	-
				2.Fl	107.73	-	74.4	56.7	-17.7	-
				3.Fl	110.53	-	74.0	56.1	-17.8	-
				4.Fl	113.33	-	73.6	55.6	-18.0	-
				5.Fl	116.13	-	73.1	55.1	-18.0	-

Contribution levels of the receivers

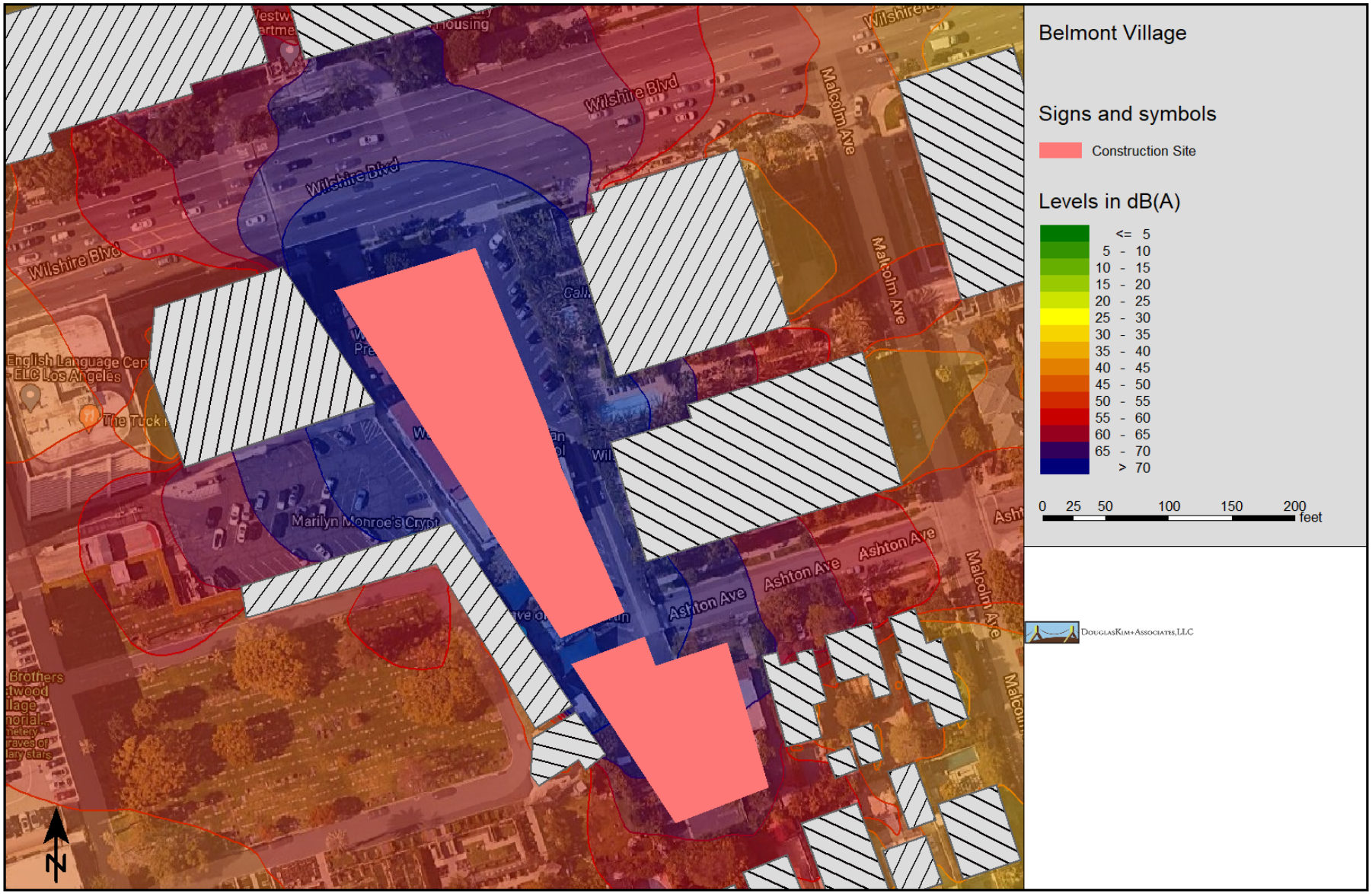
Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Ashton Avenue 10806	GF	63.8	42.2		
Construction (Phase 1)			-	-6.3	-11.2
Construction (Phase 2)			-	63.8	42.2
Californian on Wilshire	GF	72.2	48.8		
Construction (Phase 1)			-	-29.6	-27.3
Construction (Phase 2)			-	72.2	48.8
Californian on Wilshire	1.Fl	72.8	54.0		
Construction (Phase 1)			-	-22.8	-23.0
Construction (Phase 2)			-	72.8	54.0
Californian on Wilshire	2.Fl	72.7	54.8		
Construction (Phase 1)			-	-22.9	-22.9
Construction (Phase 2)			-	72.7	54.8
Californian on Wilshire	3.Fl	72.5	54.5		
Construction (Phase 1)			-	-23.6	-23.7
Construction (Phase 2)			-	72.5	54.5
Californian on Wilshire	4.Fl	72.3	54.2		
Construction (Phase 1)			-	-24.0	-24.2
Construction (Phase 2)			-	72.3	54.2
Californian on Wilshire	5.Fl	72.0	53.9		
Construction (Phase 1)			-	-24.4	-24.4
Construction (Phase 2)			-	72.0	53.9
Californian on Wilshire	6.Fl	71.8	53.7		
Construction (Phase 1)			-	-24.7	-24.8
Construction (Phase 2)			-	71.8	53.7
Californian on Wilshire	7.Fl	71.5	53.4		
Construction (Phase 1)			-	-24.9	-25.0
Construction (Phase 2)			-	71.5	53.4
Californian on Wilshire	8.Fl	71.3	53.2		
Construction (Phase 1)			-	-25.1	-25.1
Construction (Phase 2)			-	71.3	53.2
Californian on Wilshire	9.Fl	71.0	52.9		
Construction (Phase 1)			-	-25.2	-25.3
Construction (Phase 2)			-	71.0	52.9
Californian on Wilshire	10.Fl	70.7	52.7		
Construction (Phase 1)			-	-25.2	-25.3
Construction (Phase 2)			-	70.7	52.7
Californian on Wilshire	11.Fl	70.4	52.4		
Construction (Phase 1)			-	-25.5	-25.5
Construction (Phase 2)			-	70.4	52.4
Californian on Wilshire	12.Fl	70.1	52.1		
Construction (Phase 1)			-	-25.4	-25.4
Construction (Phase 2)			-	70.1	52.1
Californian on Wilshire	13.Fl	69.8	51.7		
Construction (Phase 1)			-	-25.0	-24.9
Construction (Phase 2)			-	69.8	51.7
Californian on Wilshire	14.Fl	69.4	51.4		
Construction (Phase 1)			-	-24.6	-24.5
Construction (Phase 2)			-	69.4	51.4
Californian on Wilshire	15.Fl	69.1	51.0		
Construction (Phase 1)			-	-24.4	-24.3
Construction (Phase 2)			-	69.1	51.0
Californian on Wilshire	16.Fl	68.7	50.7		
Construction (Phase 1)			-	-24.1	-24.1
Construction (Phase 2)			-	68.7	50.7

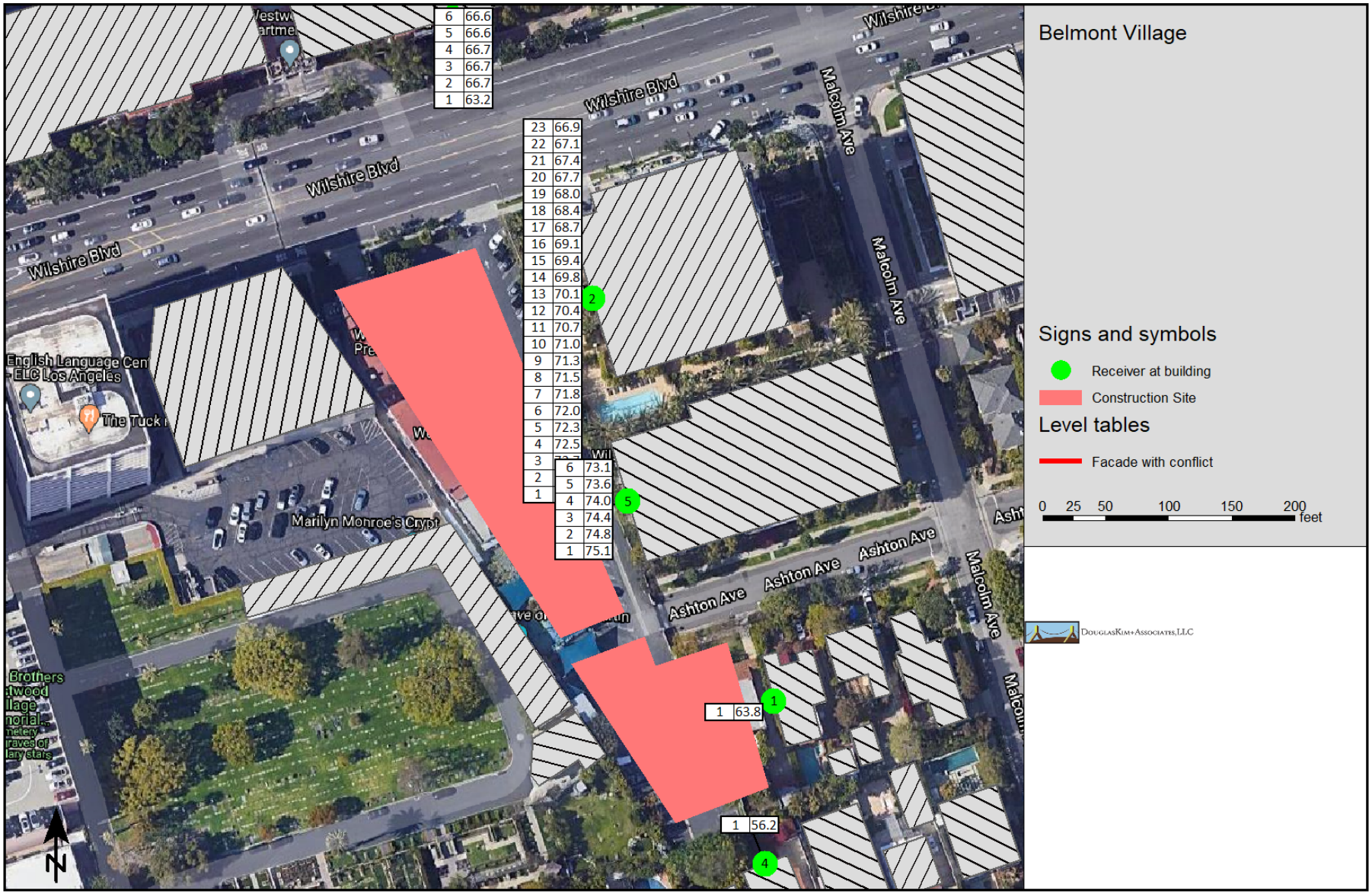
Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Californian on Wilshire	17.Fl	68.4	50.3		
Construction (Phase 1)			-	-23.9	-23.9
Construction (Phase 2)			-	68.4	50.3
Californian on Wilshire	18.Fl	68.0	50.0		
Construction (Phase 1)			-	-23.7	-23.7
Construction (Phase 2)			-	68.0	50.0
Californian on Wilshire	19.Fl	67.7	49.7		
Construction (Phase 1)			-	-23.6	-23.6
Construction (Phase 2)			-	67.7	49.7
Californian on Wilshire	20.Fl	67.4	49.4		
Construction (Phase 1)			-	-23.5	-23.5
Construction (Phase 2)			-	67.4	49.4
Californian on Wilshire	21.Fl	67.1	49.1		
Construction (Phase 1)			-	-23.5	-23.5
Construction (Phase 2)			-	67.1	49.1
Californian on Wilshire	22.Fl	66.9	48.9		
Construction (Phase 1)			-	-23.5	-23.5
Construction (Phase 2)			-	66.9	48.9
Legacy at Westwood E	GF	63.2	40.1		
Construction (Phase 1)			-	-35.3	-33.8
Construction (Phase 2)			-	63.2	40.1
Legacy at Westwood E	1.Fl	66.7	43.1		
Construction (Phase 1)			-	-28.0	-28.6
Construction (Phase 2)			-	66.7	43.1
Legacy at Westwood E	2.Fl	66.7	46.2		
Construction (Phase 1)			-	-24.2	-25.1
Construction (Phase 2)			-	66.7	46.2
Legacy at Westwood E	3.Fl	66.7	47.2		
Construction (Phase 1)			-	-24.1	-24.8
Construction (Phase 2)			-	66.7	47.2
Legacy at Westwood E	4.Fl	66.6	47.8		
Construction (Phase 1)			-	-24.3	-24.6
Construction (Phase 2)			-	66.6	47.8
Legacy at Westwood E	5.Fl	66.6	48.0		
Construction (Phase 1)			-	-24.7	-24.7
Construction (Phase 2)			-	66.6	48.0
Wellworth Avenue 10813	GF	56.2	36.9		
Construction (Phase 1)			-	-11.0	-19.5
Construction (Phase 2)			-	56.2	36.9
Wilshire Villa Apartments	GF	75.1	51.4		
Construction (Phase 1)			-	-14.9	-19.3
Construction (Phase 2)			-	75.1	51.4
Wilshire Villa Apartments	1.Fl	74.8	57.2		
Construction (Phase 1)			-	-15.1	-14.9
Construction (Phase 2)			-	74.8	57.2
Wilshire Villa Apartments	2.Fl	74.4	56.7		
Construction (Phase 1)			-	-15.7	-15.4
Construction (Phase 2)			-	74.4	56.7
Wilshire Villa Apartments	3.Fl	74.0	56.1		
Construction (Phase 1)			-	-16.1	-16.0
Construction (Phase 2)			-	74.0	56.1
Wilshire Villa Apartments	4.Fl	73.6	55.6		
Construction (Phase 1)			-	-16.5	-16.4
Construction (Phase 2)			-	73.6	55.6

Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Wilshire Villa Apartments	5.Fl	73.1	55.1		
Construction (Phase 1)			-	-16.7	-16.7
Construction (Phase 2)			-	73.1	55.1


Belmont Village
Signs and symbols
Construction Site
Levels in dB(A)
<= 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
> 70
0 25 50 100 150 200 feet
Douglas Kim+Associates,LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
N


Belmont Village
Signs and symbols
Receiver at building
Construction Site
Level tables
Facade with conflict
0 25 50 100 150 200 feet
DouglasKim+Associates,LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
6 66.6
5 66.6
4 66.7
3 66.7
2 66.7
1 63.2
23 66.9
22 67.1
21 67.4
20 67.7
19 68.0
18 68.4
17 68.7
16 69.1
15 69.4
14 69.8
13 70.1
12 70.4
11 70.7
10 71.0
9 71.3
8 71.5
7 71.8
6 72.0
5 72.3
4 72.5
6 73.1
5 73.6
4 74.0
3 74.4
2 74.8
1 75.1
1 63.8
1 56.2
1
2
4
5
N

Construction Noise Impacts (without Mitigation

DouglasKim+Associates,LI

Reference	15.24	meter
Sound Pressure Level	82.0	dBA

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Wilshire Villa Apartments	54.3	75.1	75.1	20.8	**Yes**
Ashton Avenue residences	53.0	63.8	64.1	11.1	**Yes**
Wellworth Avenue residences	49.4	56.2	57.0	7.6	**Yes**
Californian on Wilshire residences	57.6	72.8	72.9	15.3	**Yes**
Legacy at Westwood residences	72.7	66.7	73.7	1.0	**No**

Cumulative Noise Impacts (Without Mitigation)

Source	Sound Pressure Level	Add / Sub
1	75	Add
2	75	Add
3	75	Add
4	75	Add
5	75	Add
6		Add
7		Add
8		Add
9		Add
10		Add
11		Add
12		Add
Total	**82.0**	**Summation ->**

=IF(D17<0,"n/a",10*LOG(D17))

Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Corrections Cwall dB	 CI dB	 CT dB
Construction (Phase 1)	1239 m²	Lw/	-	-	-	-
Construction (Phase 2)	2466 m²	Lw/	64.0	-	-	-

Receiver list

No.	Receiver name	Coordinates X Y in meter	Building side	Floor	Height abv.grd. m	Limit Day dB(A)	Level w/o Day dB(A)	Level w NF Day dB(A)	Difference Day dB	Conflict Day dB
1	Ashton Avenue 10806	11367120. 3769571.1	West	GF	100.37	-	45.8	42.2	-3.6	-
2	Californian on Wilshire	11367076. 3769668.2	West	GF	104.01	-	54.2	48.8	-5.3	-
				1.Fl	106.81	-	54.8	54.0	-0.8	-
				2.Fl	109.61	-	54.7	54.8	0.1	-
				3.Fl	112.41	-	54.5	54.5	0.0	-
				4.Fl	115.21	-	54.3	54.2	-0.1	-
				5.Fl	118.01	-	54.0	53.9	-0.1	-
				6.Fl	120.81	-	53.8	53.7	-0.1	-
				7.Fl	123.61	-	53.5	53.4	-0.1	-
				8.Fl	126.41	-	53.2	53.2	-0.1	-
				9.Fl	129.21	-	53.0	52.9	-0.1	-
				10.Fl	132.01	-	52.7	52.7	0.0	-
				11.Fl	134.81	-	52.4	52.4	0.0	-
				12.Fl	137.61	-	52.1	52.1	0.0	-
				13.Fl	140.41	-	51.8	51.7	0.0	-
				14.Fl	143.21	-	51.4	51.4	0.0	-
				15.Fl	146.01	-	51.1	51.0	0.0	-
				16.Fl	148.81	-	50.7	50.7	0.0	-
				17.Fl	151.61	-	50.3	50.3	0.0	-
				18.Fl	154.41	-	50.0	50.0	0.0	-
				19.Fl	157.21	-	49.7	49.7	0.0	-
				20.Fl	160.01	-	49.4	49.4	0.0	-
				21.Fl	162.81	-	49.1	49.1	0.0	-
				22.Fl	165.61	-	48.9	48.9	0.0	-
3	Legacy at Westwood E	11367042. 3769735.9	South	GF	105.16	-	45.2	40.1	-5.1	-
				1.Fl	107.96	-	48.7	43.1	-5.6	-
				2.Fl	110.76	-	48.7	46.2	-2.5	-
				3.Fl	113.56	-	48.7	47.2	-1.5	-
				4.Fl	116.36	-	48.6	47.8	-0.9	-
				5.Fl	119.16	-	48.5	48.0	-0.6	-
4	Wellworth Avenue 10813	11367118. 3769532.0	North	GF	99.02	-	38.2	36.9	-1.4	-
5	Wilshire Villa Apartments	11367085. 3769619.3	West	GF	102.13	-	57.0	51.4	-5.6	-
				1.Fl	104.93	-	56.8	57.2	0.4	-
				2.Fl	107.73	-	56.4	56.7	0.3	-
				3.Fl	110.53	-	56.0	56.1	0.2	-
				4.Fl	113.33	-	55.6	55.6	0.0	-
				5.Fl	116.13	-	55.1	55.1	0.0	-

Contribution levels of the receivers

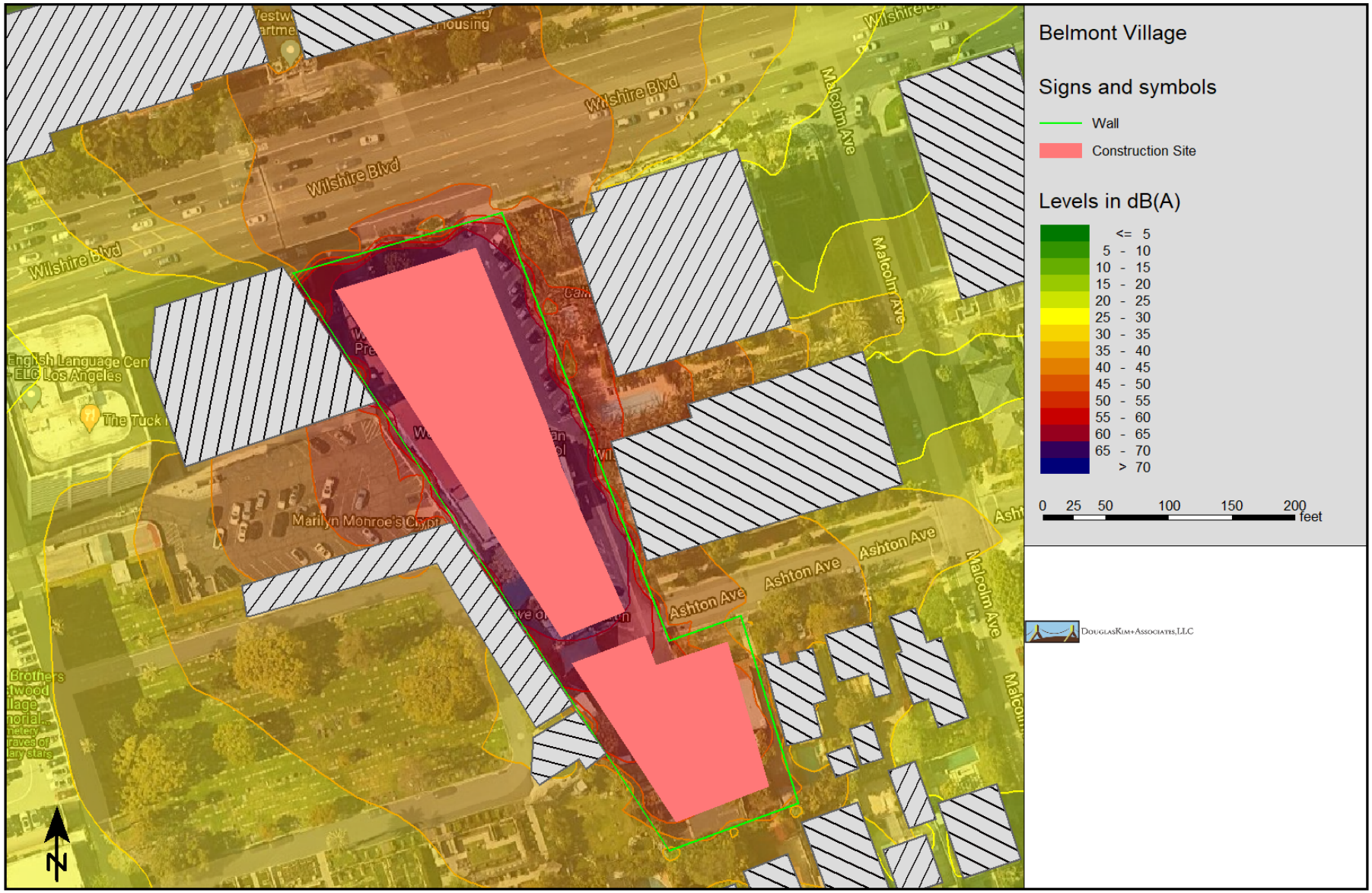
Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Ashton Avenue 10806	GF	45.8	42.2		
Construction (Phase 1)			-	-6.3	-11.2
Construction (Phase 2)			-	45.8	42.2
Californian on Wilshire	GF	54.2	48.8		
Construction (Phase 1)			-	-29.6	-27.3
Construction (Phase 2)			-	54.2	48.8
Californian on Wilshire	1.Fl	54.8	54.0		
Construction (Phase 1)			-	-22.8	-23.0
Construction (Phase 2)			-	54.8	54.0
Californian on Wilshire	2.Fl	54.7	54.8		
Construction (Phase 1)			-	-22.9	-22.9
Construction (Phase 2)			-	54.7	54.8
Californian on Wilshire	3.Fl	54.5	54.5		
Construction (Phase 1)			-	-23.6	-23.7
Construction (Phase 2)			-	54.5	54.5
Californian on Wilshire	4.Fl	54.3	54.2		
Construction (Phase 1)			-	-24.0	-24.2
Construction (Phase 2)			-	54.3	54.2
Californian on Wilshire	5.Fl	54.0	53.9		
Construction (Phase 1)			-	-24.4	-24.4
Construction (Phase 2)			-	54.0	53.9
Californian on Wilshire	6.Fl	53.8	53.7		
Construction (Phase 1)			-	-24.7	-24.8
Construction (Phase 2)			-	53.8	53.7
Californian on Wilshire	7.Fl	53.5	53.4		
Construction (Phase 1)			-	-24.9	-25.0
Construction (Phase 2)			-	53.5	53.4
Californian on Wilshire	8.Fl	53.2	53.2		
Construction (Phase 1)			-	-25.1	-25.1
Construction (Phase 2)			-	53.2	53.2
Californian on Wilshire	9.Fl	53.0	52.9		
Construction (Phase 1)			-	-25.2	-25.3
Construction (Phase 2)			-	53.0	52.9
Californian on Wilshire	10.Fl	52.7	52.7		
Construction (Phase 1)			-	-25.2	-25.3
Construction (Phase 2)			-	52.7	52.7
Californian on Wilshire	11.Fl	52.4	52.4		
Construction (Phase 1)			-	-25.5	-25.5
Construction (Phase 2)			-	52.4	52.4
Californian on Wilshire	12.Fl	52.1	52.1		
Construction (Phase 1)			-	-25.4	-25.4
Construction (Phase 2)			-	52.1	52.1
Californian on Wilshire	13.Fl	51.8	51.7		
Construction (Phase 1)			-	-25.0	-24.9
Construction (Phase 2)			-	51.8	51.7
Californian on Wilshire	14.Fl	51.4	51.4		
Construction (Phase 1)			-	-24.6	-24.5
Construction (Phase 2)			-	51.4	51.4
Californian on Wilshire	15.Fl	51.1	51.0		
Construction (Phase 1)			-	-24.4	-24.3
Construction (Phase 2)			-	51.1	51.0
Californian on Wilshire	16.Fl	50.7	50.7		
Construction (Phase 1)			-	-24.1	-24.1
Construction (Phase 2)			-	50.7	50.7

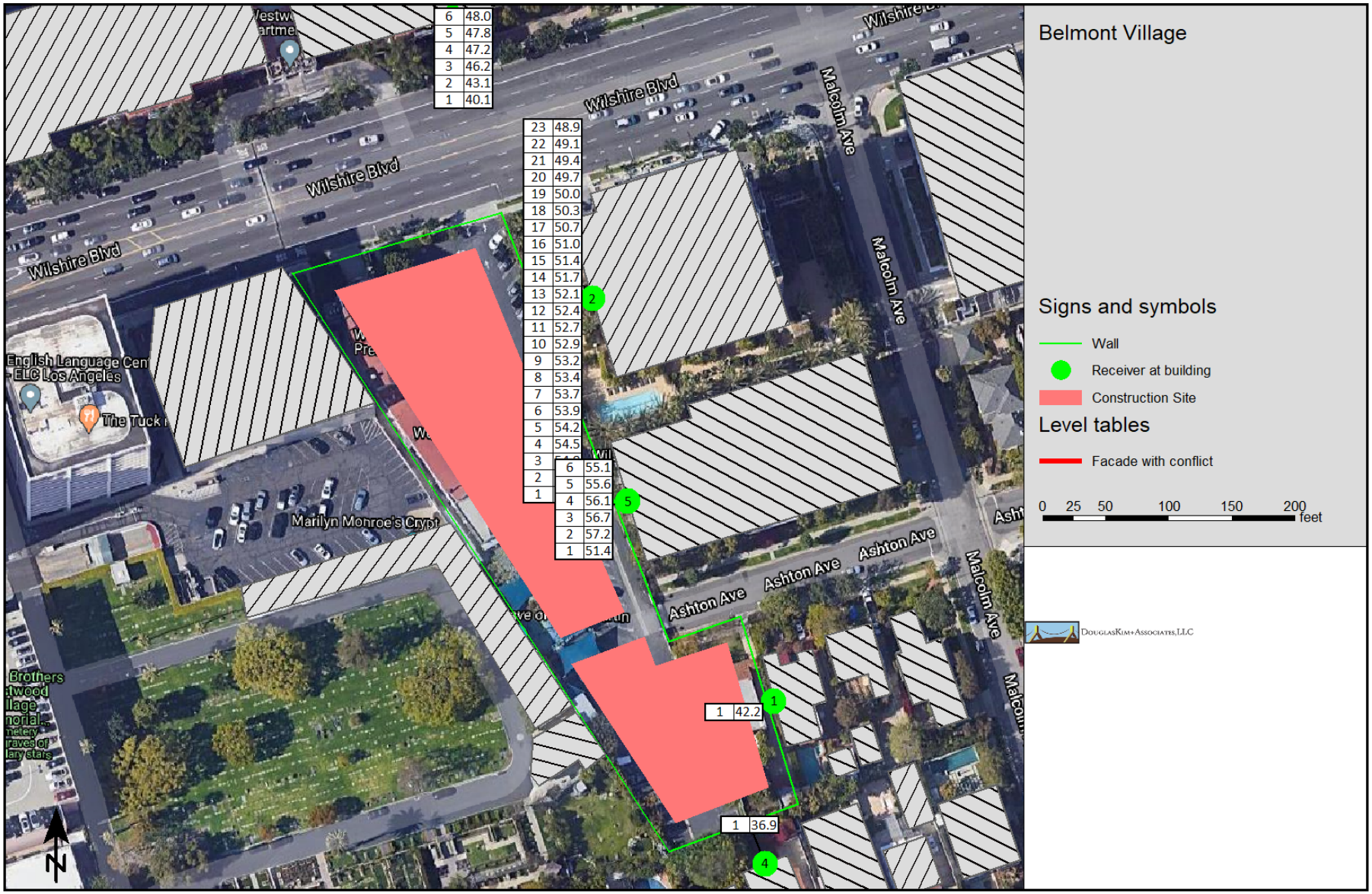
Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Californian on Wilshire	17.Fl	50.3	50.3		
Construction (Phase 1)			-	-23.9	-23.9
Construction (Phase 2)			-	50.3	50.3
Californian on Wilshire	18.Fl	50.0	50.0		
Construction (Phase 1)			-	-23.7	-23.7
Construction (Phase 2)			-	50.0	50.0
Californian on Wilshire	19.Fl	49.7	49.7		
Construction (Phase 1)			-	-23.6	-23.6
Construction (Phase 2)			-	49.7	49.7
Californian on Wilshire	20.Fl	49.4	49.4		
Construction (Phase 1)			-	-23.5	-23.5
Construction (Phase 2)			-	49.4	49.4
Californian on Wilshire	21.Fl	49.1	49.1		
Construction (Phase 1)			-	-23.5	-23.5
Construction (Phase 2)			-	49.1	49.1
Californian on Wilshire	22.Fl	48.9	48.9		
Construction (Phase 1)			-	-23.5	-23.5
Construction (Phase 2)			-	48.9	48.9
Legacy at Westwood E	GF	45.2	40.1		
Construction (Phase 1)			-	-35.3	-33.8
Construction (Phase 2)			-	45.2	40.1
Legacy at Westwood E	1.Fl	48.7	43.1		
Construction (Phase 1)			-	-28.0	-28.6
Construction (Phase 2)			-	48.7	43.1
Legacy at Westwood E	2.Fl	48.7	46.2		
Construction (Phase 1)			-	-24.2	-25.1
Construction (Phase 2)			-	48.7	46.2
Legacy at Westwood E	3.Fl	48.7	47.2		
Construction (Phase 1)			-	-24.1	-24.8
Construction (Phase 2)			-	48.7	47.2
Legacy at Westwood E	4.Fl	48.6	47.8		
Construction (Phase 1)			-	-24.3	-24.6
Construction (Phase 2)			-	48.6	47.8
Legacy at Westwood E	5.Fl	48.5	48.0		
Construction (Phase 1)			-	-24.7	-24.7
Construction (Phase 2)			-	48.5	48.0
Wellworth Avenue 10813	GF	38.2	36.9		
Construction (Phase 1)			-	-11.0	-19.5
Construction (Phase 2)			-	38.2	36.9
Wilshire Villa Apartments	GF	57.0	51.4		
Construction (Phase 1)			-	-14.9	-19.3
Construction (Phase 2)			-	57.0	51.4
Wilshire Villa Apartments	1.Fl	56.8	57.2		
Construction (Phase 1)			-	-15.1	-14.9
Construction (Phase 2)			-	56.8	57.2
Wilshire Villa Apartments	2.Fl	56.4	56.7		
Construction (Phase 1)			-	-15.7	-15.4
Construction (Phase 2)			-	56.4	56.7
Wilshire Villa Apartments	3.Fl	56.0	56.1		
Construction (Phase 1)			-	-16.1	-16.0
Construction (Phase 2)			-	56.0	56.1
Wilshire Villa Apartments	4.Fl	55.6	55.6		
Construction (Phase 1)			-	-16.5	-16.4
Construction (Phase 2)			-	55.6	55.6

Contribution levels of the receivers

Source name			Traffic lane	Level w/o NP Day dB(A)	Level w NP Day dB(A)
Wilshire Villa Apartments	5.Fl	55.1	55.1		
Construction (Phase 1)			-	-16.7	-16.7
Construction (Phase 2)			-	55.1	55.1


Belmont Village
Signs and symbols
Wall
Construction Site
Levels in dB(A)
<= 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
> 70
0 25 50 100 150 200 feet
DouglasKim+Associates,LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
N


Belmont Village
Signs and symbols
Wall
Receiver at building
Construction Site
Level tables
Facade with conflict
0 25 50 100 150 200 feet
DouglasKim+Associates,LLC
Wilshire Blvd
Malcolm Ave
Ashton Ave
Marilyn Monroe's Crypt
English Language Cen
ELC Los Angeles
6 48.0
5 47.8
4 47.2
3 46.2
2 43.1
1 40.1
23 48.9
22 49.1
21 49.4
20 49.7
19 50.0
18 50.3
17 50.7
16 51.0
15 51.4
14 51.7
13 52.1
12 52.4
11 52.7
10 52.9
9 53.2
8 53.4
7 53.7
6 53.9
5 54.2
4 54.5
6 55.1
5 55.6
4 56.1
3 56.7
2 57.2
1 51.4
1 42.2
1 36.9
1
2
4
5
N

Construction Noise Impacts (with Mitigation)

DouglasKim+Associates,LLC

Reference	15.24	meter
Sound Pressure Level	67.0	dBA

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Wilshire Villa Apartments	54.3	57.2	59.0	4.7	**No**
Ashton Avenue residences	53.0	42.2	53.3	0.3	**No**
Wellworth Avenue residences	49.4	36.9	49.6	0.2	**No**
Californian on Wilshire residences	57.6	54.8	59.4	1.8	**No**
Legacy at Westwood residences	72.7	48.0	72.7	0.0	**No**

Cumulative Noise Impacts (With Mitigation)

DouglasKim+Associates,LLC

Source	Sound Pressure Level	Add / Sub	10^(x/10)
1	60	Add	1000000
2	60	Add	1000000
3	60	Add	1000000
4	60	Add	1000000
5	60	Add	1000000
6		Add	1
7		Add	1
8		Add	1
9		Add	1
10		Add	1
11		Add	1
12		Add	1
Total	67.0	Summation ->	5000007
	=IF(D17<0,"n/a",10*LOG(D17))		=sum(D5:D16)

=IF(C5="Add",10^(B5/10),10^(B5/10)*-1)

Project	Belmont Village
Receptor	Pierce Brothers Westwood Village Memorial Park and Mortuary
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)

Vibration PPV

Ref=	0.089	Based on type of equipment
RefD=	25	
D=	10	Distance from equipment to sensitive receptor
Equip=	0.352	

Annoyance VdB

Ref=	93	Based on type of equipment
RefD=	25	
D=	10	Distance from equipment to sensitive receptor
Equip=	105	

Peak construction vibration based on utilizing a large dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village
Receptor	10812 Ashton Avenue
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)

Vibration PPV

Ref=	0.089	Based on type of equipment
RefD=	25	
D=	15	Distance from equipment to sensitive receptor
Equip=	0.191	

Annoyance VdB

Ref=	93	Based on type of equipment
RefD=	25	
D=	15	Distance from equipment to sensitive receptor
Equip=	100	

Peak construction vibration based on utilizing a large dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village
Receptor	10811 Ashton Avenue
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)

Vibration PPV

Ref=	0.089	Based on type of equipment
RefD=	25	
D=	20	Distance from equipment to sensitive receptor
Equip=	0.124	

Annoyance VdB

Ref=	93	Based on type of equipment
RefD=	25	
D=	20	Distance from equipment to sensitive receptor
Equip=	96	

Peak construction vibration based on utilizing a large dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village
Receptor	10800 Wilshire Boulevard
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)

Vibration PPV

Ref=	0.089	Based on type of equipment
RefD=	25	
D=	40	Distance from equipment to sensitive receptor
Equip=	0.044	

Annoyance VdB

Ref=	93	Based on type of equipment
RefD=	25	
D=	40	Distance from equipment to sensitive receptor
Equip=	87	

Peak construction vibration based on utilizing a large dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village
Receptor	10800 Wellworth Avenue
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)

Vibration PPV

Ref=	0.089	Based on type of equipment
RefD=	25	
D=	40	Distance from equipment to sensitive receptor
Equip=	0.044	

Annoyance VdB

Ref=	93	Based on type of equipment
RefD=	25	
D=	40	Distance from equipment to sensitive receptor
Equip=	87	

Peak construction vibration based on utilizing a large dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village
Receptor	IPIC Westwood Movie Theater
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)

Vibration PPV

Ref=	0.089	Based on type of equipment
RefD=	25	
D=	10	Distance from equipment to sensitive receptor
Equip=	0.352	

Annoyance VdB

Ref=	93	Based on type of equipment
RefD=	25	
D=	10	Distance from equipment to sensitive receptor
Equip=	105	

Peak construction vibration based on utilizing a large dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village		
Receptor	Pierce Brothers Westwood Village Memorial Park and Mortuary		
Ref=	Reference vibration level (PPV)		
RefD=	Reference distance for Reference vibration level (Feet)		
	Vibration PPV		
	Ref=	0.003	Based on type of equipment
	RefD=	25	
	D=	10	Distance from equipment to sensitive receptor
	Equip=	0.012	
	Annoyance VdB		
	Ref=	93	Based on type of equipment
	RefD=	25	
	D=	10	Distance from equipment to sensitive receptor
	Equip=	105	

Peak construction vibration based on utilizing a small dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village		
Receptor	10812 Ashton Avenue		
Ref=	Reference vibration level (PPV)		
RefD=	Reference distance for Reference vibration level (Feet)		
	Vibration PPV		
	Ref=	0.006	Based on type of equipment
	RefD=	25	
	D=	25	Distance from equipment to sensitive receptor
	Equip=	0.006	
	Annoyance VdB		
	Ref=	93	Based on type of equipment
	RefD=	25	
	D=	25	Distance from equipment to sensitive receptor
	Equip=	93	

Peak construction vibration based on utilizing a small dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village		
Receptor	10811 Ashton Avenue		
Ref=	Reference vibration level (PPV)		
RefD=	Reference distance for Reference vibration level (Feet)		
	Vibration PPV		
	Ref=	0.006	Based on type of equipment
	RefD=	25	
	D=	20	Distance from equipment to sensitive receptor
	Equip=	0.008	
	Annoyance VdB		
	Ref=	93	Based on type of equipment
	RefD=	25	
	D=	20	Distance from equipment to sensitive receptor
	Equip=	96	

Peak construction vibration based on utilizing a small dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village		
Receptor	10800 Wilshire Boulevard		
Ref=	Reference vibration level (PPV)		
RefD=	Reference distance for Reference vibration level (Feet)		
	Vibration PPV		
	Ref=	0.006	Based on type of equipment
	RefD=	25	
	D=	40	Distance from equipment to sensitive receptor
	Equip=	0.003	
	Annoyance VdB		
	Ref=	93	Based on type of equipment
	RefD=	25	
	D=	40	Distance from equipment to sensitive receptor
	Equip=	87	

Peak construction vibration based on utilizing a small dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

Project	Belmont Village		
Receptor	10800 Wellworth Avenue		
Ref=	Reference vibration level (PPV)		
RefD=	Reference distance for Reference vibration level (Feet)		
	Vibration PPV		
	Ref=	0.006	Based on type of equipment
	RefD=	25	
	D=	40	Distance from equipment to sensitive receptor
	Equip=	0.003	
	Annoyance VdB		
	Ref=	93	Based on type of equipment
	RefD=	25	
	D=	40	Distance from equipment to sensitive receptor
	Equip=	87	

Peak construction vibration based on utilizing a small dozer

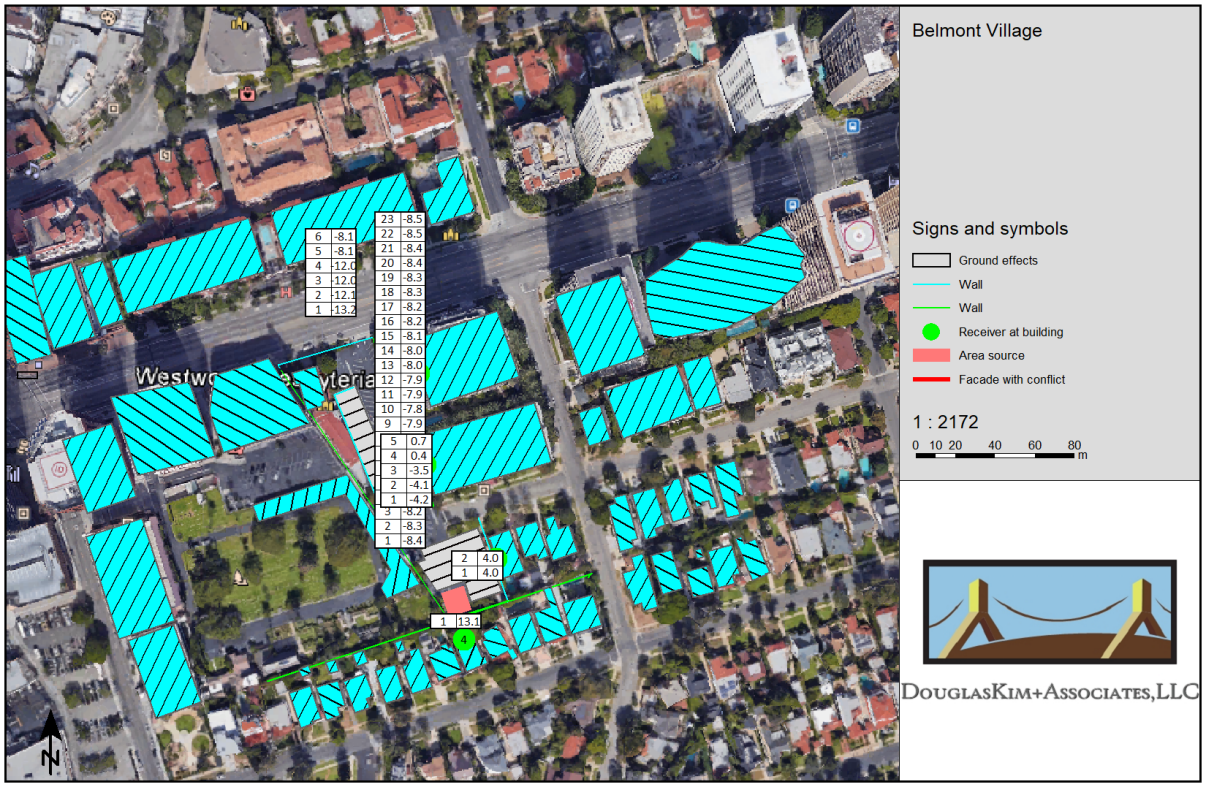
Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

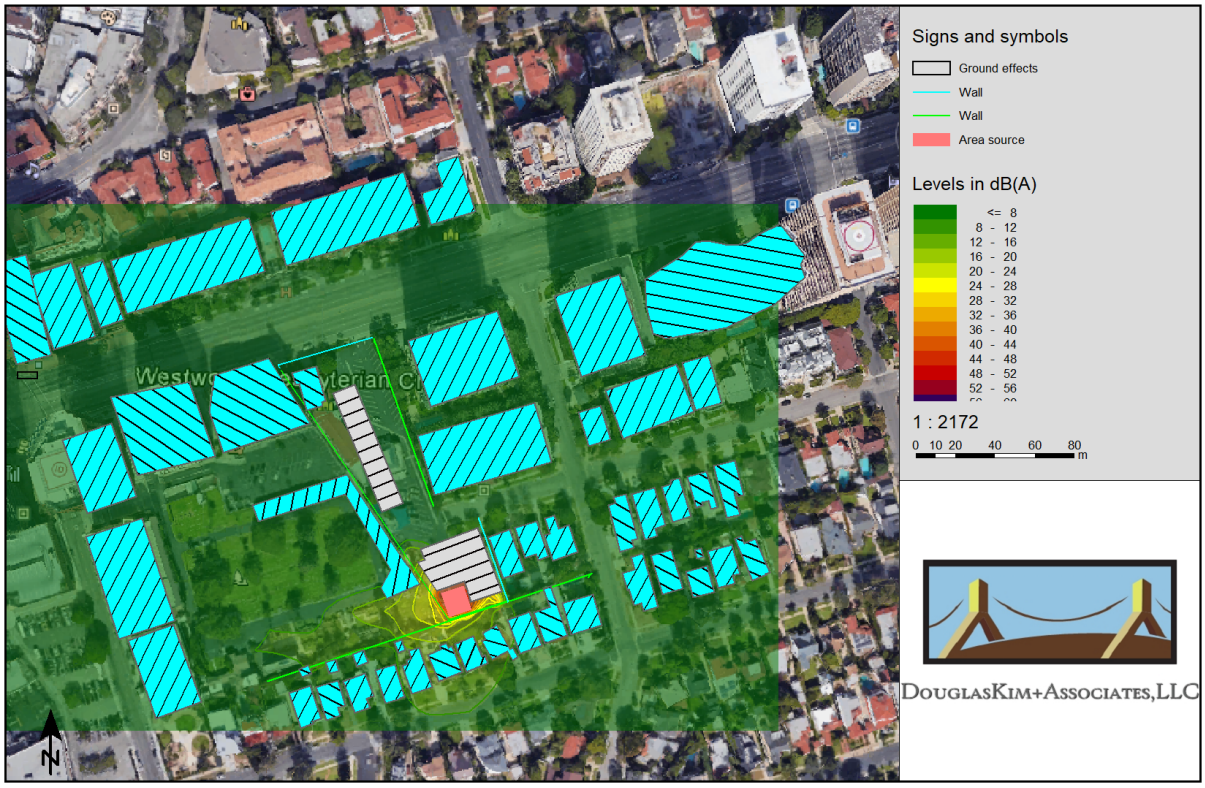
Project	Belmont Village		
Receptor	IPIC Westwood Movie Theater		
Ref=	Reference vibration level (PPV)		
RefD=	Reference distance for Reference vibration level (Feet)		
	Vibration PPV		
	Ref=	0.006	Based on type of equipment
	RefD=	25	
	D=	10	Distance from equipment to sensitive receptor
	Equip=	0.024	
	Annoyance VdB		
	Ref=	93	Based on type of equipment
	RefD=	25	
	D=	10	Distance from equipment to sensitive receptor
	Equip=	105	

Peak construction vibration based on utilizing a small dozer

Source: FTA Transit Noise and Vibration Impact Assessment, 2018.

OPERATIONAL IMPACTS


Belmont Village
Signs and symbols
Ground effects
Wall
Wall
Receiver at building
Area source
Facade with conflict
1 : 2172
0 10 20 40 60 80
m
DouglasKim+Associates,LLC
N


Signs and symbols
Ground effects
Wall
Wall
Area source
Levels in dB(A)
<= 8
8 - 12
12 - 16
16 - 20
20 - 24
24 - 28
28 - 32
32 - 36
36 - 40
40 - 44
44 - 48
48 - 52
52 - 56
1 : 2172
0 10 20 40 60 80
m
N
DouglasKim+Associates,LLC

No.	Receiver name	Coordinates X	Y	Building side	Floor m	Height dB(A)	Limit dB(A)	Level w/o NP L(Aeq1h) dB		Level w NP L(Aeq1h)	Difference L(Aeq1h)	Conflict L(Aeq1h)		L(Aeq1h)
1	Ashton Avenue residences	11367094.17	3769551.09	West	GF	100.00	65	4.5	4.0	-0.5	-			
1	Ashton Avenue residences	11367094.17	3769551.09	West	1.Fl	102.80	65	4.9	4.0	-0.8	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	GF	100.00	65	-8.3	-8.4	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	1.Fl	103.00	65	-8.3	-8.3	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	2.Fl	106.00	65	-8.2	-8.2	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	3.Fl	109.00	65	-7.5	-7.5	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	4.Fl	112.00	65	-7.4	-7.4	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	5.Fl	115.00	65	-7.3	-7.3	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	6.Fl	118.00	65	-7.2	-7.3	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	7.Fl	121.00	65	-8.0	-8.1	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	8.Fl	124.00	65	-7.9	-7.9	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	9.Fl	127.00	65	-7.8	-7.8	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	10.Fl	130.00	65	-7.8	-7.9	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	11.Fl	133.00	65	-7.9	-7.9	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	12.Fl	136.00	65	-7.9	-8.0	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	13.Fl	139.00	65	-8.0	-8.0	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	14.Fl	142.00	65	-8.1	-8.1	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	15.Fl	145.00	65	-8.1	-8.2	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	16.Fl	148.00	65	-8.2	-8.2	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	17.Fl	151.00	65	-8.3	-8.3	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	18.Fl	154.00	65	-8.3	-8.3	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	19.Fl	157.00	65	-8.3	-8.4	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	20.Fl	160.00	65	-8.4	-8.4	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	21.Fl	163.00	65	-8.4	-8.5	0.0	-			
2	Californian on Wilshire	11367055.38	3769644.47	West	22.Fl	166.00	65	-8.5	-8.5	0.0	-			
3	Legacy at Westwood Apartments	11367008.16	3769704.80	South	GF	100.00	65	-13.2	-13.2	0.0	-			
3	Legacy at Westwood Apartments	11367008.16	3769704.80	South	1.Fl	102.30	65	-12.1	-12.1	0.0	-			
3	Legacy at Westwood Apartments	11367008.16	3769704.80	South	2.Fl	104.60	65	-12.0	-12.0	0.0	-			
3	Legacy at Westwood Apartments	11367008.16	3769704.80	South	3.Fl	106.90	65	-12.0	-12.0	0.0	-			
3	Legacy at Westwood Apartments	11367008.16	3769704.80	South	4.Fl	109.20	65	-8.1	-8.1	0.0	-			
3	Legacy at Westwood Apartments	11367008.16	3769704.80	South	5.Fl	111.50	65	-8.1	-8.1	0.0	-			
4	Wellworth Avenue residences	11367077.88	3769510.44	North west	GF	98.00	65	28.0	13.1	-14.8	-			
5	Wilshire Villa Apartments	11367058.64	3769598.39	West	GF	100.00	65	-3.8	-4.2	-0.4	-			
5	Wilshire Villa Apartments	11367058.64	3769598.39	West	1.Fl	103.00	65	-3.6	-4.1	-0.5	-			
5	Wilshire Villa Apartments	11367058.64	3769598.39	West	2.Fl	106.00	65	-3.3	-3.5	-0.2	-			
5	Wilshire Villa Apartments	11367058.64	3769598.39	West	3.Fl	109.00	65	0.4	0.4	0.0	-			
5	Wilshire Villa Apartments	11367058.64	3769598.39	West	4.Fl	112.00	65	0.7	0.7	0.0	-			

Source name	Level w/o NP L(Aeq1h) dB(A)		Level w NP L(Aeq1h) dB(A)		
Ashton Avenue residences		GF	4.5	4.0	
Preschool Outdoor Play Area	4.5		4.0		
Ashton Avenue residences		1.Fl	4.9	4.0	
Preschool Outdoor Play Area	4.9		4.0		
Californian on Wilshire		GF	-8.3	-8.4	
Preschool Outdoor Play Area	-8.3		-8.4		
Californian on Wilshire		1.Fl	-8.3	-8.3	
Preschool Outdoor Play Area	-8.3		-8.3		
Californian on Wilshire		2.Fl	-8.2	-8.2	
Preschool Outdoor Play Area	-8.2		-8.2		
Californian on Wilshire		3.Fl	-7.5	-7.5	
Preschool Outdoor Play Area	-7.5		-7.5		
Californian on Wilshire		4.Fl	-7.4	-7.4	
Preschool Outdoor Play Area	-7.4		-7.4		
Californian on Wilshire		5.Fl	-7.3	-7.3	
Preschool Outdoor Play Area	-7.3		-7.3		
Californian on Wilshire		6.Fl	-7.2	-7.3	
Preschool Outdoor Play Area	-7.2		-7.3		
Californian on Wilshire		7.Fl	-8.0	-8.1	
Preschool Outdoor Play Area	-8.0		-8.1		
Californian on Wilshire		8.Fl	-7.9	-7.9	
Preschool Outdoor Play Area	-7.9		-7.9		
Californian on Wilshire		9.Fl	-7.8	-7.8	
Preschool Outdoor Play Area	-7.8		-7.8		
Californian on Wilshire		10.Fl	-7.8	-7.9	
Preschool Outdoor Play Area	-7.8		-7.9		
Californian on Wilshire		11.Fl	-7.9	-7.9	
Preschool Outdoor Play Area	-7.9		-7.9		
Californian on Wilshire		12.Fl	-7.9	-8.0	
Preschool Outdoor Play Area	-7.9		-8.0		
Californian on Wilshire		13.Fl	-8.0	-8.0	
Preschool Outdoor Play Area	-8.0		-8.0		
Californian on Wilshire		14.Fl	-8.1	-8.1	
Preschool Outdoor Play Area	-8.1		-8.1		
Californian on Wilshire		15.Fl	-8.1	-8.2	
Preschool Outdoor Play Area	-8.1		-8.2		
Californian on Wilshire		16.Fl	-8.2	-8.2	
Preschool Outdoor Play Area	-8.2		-8.2		
Californian on Wilshire		17.Fl	-8.3	-8.3	
Preschool Outdoor Play Area	-8.3		-8.3		
Californian on Wilshire		18.Fl	-8.3	-8.3	
Preschool Outdoor Play Area	-8.3		-8.3		
Californian on Wilshire		19.Fl	-8.3	-8.4	
Preschool Outdoor Play Area	-8.3		-8.4		
Californian on Wilshire		20.Fl	-8.4	-8.4	
Preschool Outdoor Play Area	-8.4		-8.4		
Californian on Wilshire		21.Fl	-8.4	-8.5	
Preschool Outdoor Play Area	-8.4		-8.5		
Californian on Wilshire		22.Fl	-8.5	-8.5	
Preschool Outdoor Play Area	-8.5		-8.5		
Legacy at Westwood Apartments		GF	-13.2	-13.2	
Preschool Outdoor Play Area	-13.2		-13.2		
Legacy at Westwood Apartments		1.Fl	-12.1	-12.1	
Preschool Outdoor Play Area	-12.1		-12.1		
Legacy at Westwood Apartments		2.Fl	-12.0	-12.0	
Preschool Outdoor Play Area	-12.0		-12.0		
Legacy at Westwood Apartments		3.Fl	-12.0	-12.0	
Preschool Outdoor Play Area	-12.0		-12.0		
Legacy at Westwood Apartments		4.Fl	-8.1	-8.1	
Preschool Outdoor Play Area	-8.1		-8.1		
Legacy at Westwood Apartments		5.Fl	-8.1	-8.1	
Preschool Outdoor Play Area	-8.1		-8.1		
Wellworth Avenue residences		GF	28.0	13.1	
Preschool Outdoor Play Area	28.0		13.1		
Wilshire Villa Apartments		GF	-3.8	-4.2	
Preschool Outdoor Play Area	-3.8		-4.2		
Wilshire Villa Apartments		1.Fl	-3.6	-4.1	
Preschool Outdoor Play Area	-3.6		-4.1		
Wilshire Villa Apartments		2.Fl	-3.3	-3.5	
Preschool Outdoor Play Area	-3.3		-3.5		
Wilshire Villa Apartments		3.Fl	0.4	0.4	
Preschool Outdoor Play Area	0.4		0.4		
Wilshire Villa Apartments		4.Fl	0.7	0.7	
Preschool Outdoor Play Area	0.7		0.7		

Federal Transit Administration
Noise Impact Assessment Spreadsheet

version: 7/3/2007

Project:	Belmont Village

Receiver Parameters	
Receiver:	Receiver 1
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	58 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Stationary Source
	Specific Source:	Parking Garage
Daytime hrs	Avg. Number of Autos/hr	49
Nighttime hrs	Avg. Number of Autos/hr	41
Distance	Distance from Source to Receiver (ft)	70
	Number of Intervening Rows of Buildings	
Adjustments	Noise Barrier?	Yes

Project Results Summary

Existing Ldn:	58 dBA
Total Project Ldn:	49 dBA
Total Noise Exposure:	58 dBA
Increase:	1 dB
Impact?:	None

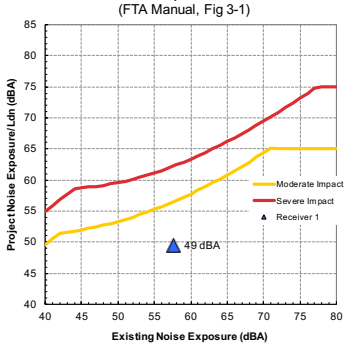
Distance to Impact Contours

Dist to Mod. Impact Contour (Source 1):	37 ft
Dist to Sev. Impact Contour (Source 1):	22 ft

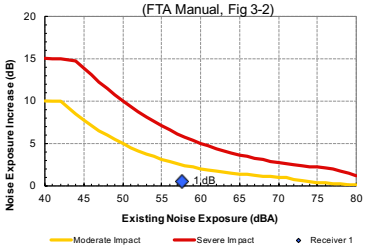
Source 1 Results

Leq(day):	43.6 dBA
Leq(night):	42.9 dBA
Ldn:	49.4 dBA

Noise Impact Criteria
(FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed
(FTA Manual, Fig 3-2)



Traffic Volume Analysis

AM

		No Project	2018			Project Impact					Increase			
Roadway Segment	**Direction**	**L**	**T**	**R**	**Total**	**L**	**T**	**R**	**Total**	**TOTAL**	**L**	**T**	**R**	**Total**
Westwood Bl N of Santa Monica Bl	N	88	856	237	**1181**		2		**2**	**1183**	0%	0%	0%	**0.2%**
Westwood Bl N of Santa Monica Bl	S	234	321	116	**671**		1		**1**	**672**	0%	0%	0%	**0.1%**
Wilshire Bl E of Westwood Bl	E	52	1935	72	**2059**	1	9	2	**12**	**2071**	2%	0%	3%	**0.6%**
Wilshire Bl E of Westwood Bl	W	91	1718	28	**1837**		7	1	**8**	**1845**	0%	0%	4%	**0.4%**
Wilshire Bl W of Westholme Ave	E	26	2011	77	**2114**		8		**8**	**2122**	0%	0%	0%	**0.4%**
Wilshire Bl W of Westholme Ave	W	9	2176	65	**2250**		11		**11**	**2261**	0%	1%	0%	**0.5%**

PM

		No Project	2018			Project Impact					Increase			
Roadway Segment	**Direction**	**L**	**T**	**R**	**Total**	**L**	**T**	**R**	**Total**		**L**	**T**	**R**	**Total**
Westwood Bl N of Santa Monica Bl	N	116	726	157	**999**		3		**3**	**1002**	0%	0%	0%	**0.3%**
Westwood Bl N of Santa Monica Bl	S	200	825	74	**1099**		2		**2**	**1101**	0%	0%	0%	**0.2%**
Wilshire Bl E of Westwood Bl	E	137	1959	96	**2192**	1	10	2	**13**	**2205**	1%	1%	2%	**0.6%**
Wilshire Bl E of Westwood Bl	W	116	1537	25	**1678**		10	1	**11**	**1689**	0%	1%	4%	**0.7%**
Wilshire Bl W of Westholme Ave	E	19	2178	90	**2287**		10		**10**	**2297**	0%	0%	0%	**0.4%**
Wilshire Bl W of Westholme Ave	W	59	1777	29	**1865**		11		**11**	**1876**	0%	1%	0%	**0.6%**

AM

		No Project	2025			Project Impact					Increase			
Roadway Segment	**Direction**	**L**	**T**	**R**	**Total**	**L**	**T**	**R**	**Total**	**TOTAL**	**L**	**T**	**R**	**Total**
Westwood Bl N of Santa Monica Bl	N	102	858	241	**1201**		2		**2**	**1203**	0%	0%	0%	**0.2%**
Westwood Bl N of Santa Monica Bl	S	237	360	126	**723**		1		**1**	**724**	0%	0%	0%	**0.1%**
Wilshire Bl E of Westwood Bl	E	66	2019	76	**2161**	1	9	2	**12**	**2173**	2%	0%	3%	**0.6%**
Wilshire Bl E of Westwood Bl	W	93	1765	35	**1893**		7	1	**8**	**1901**	0%	0%	3%	**0.4%**
Wilshire Bl W of Westholme Ave	E	27	2106	82	**2215**		8		**8**	**2223**	0%	0%	0%	**0.4%**
Wilshire Bl W of Westholme Ave	W	12	2233	68	**2313**		11		**11**	**2324**	0%	0%	0%	**0.5%**

PM

		No Project	2025			Project Impact					Increase			
Roadway Segment	**Direction**	**L**	**T**	**R**	**Total**	**L**	**T**	**R**	**Total**		**L**	**T**	**R**	**Total**
Westwood Bl N of Santa Monica Bl	N	137	785	160	**1082**		3		**3**	**1085**	0%	0%	0%	**0.3%**
Westwood Bl N of Santa Monica Bl	S	204	885	100	**1189**		2		**2**	**1191**	0%	0%	0%	**0.2%**
Wilshire Bl E of Westwood Bl	E	166	2036	99	**2301**	1	10	2	**13**	**2314**	1%	0%	2%	**0.6%**
Wilshire Bl E of Westwood Bl	W	121	1622	46	**1789**		10	1	**11**	**1800**	0%	1%	2%	**0.6%**
Wilshire Bl W of Westholme Ave	E	22	2274	99	**2395**		10		**10**	**2405**	0%	0%	0%	**0.4%**
Wilshire Bl W of Westholme Ave	W	67	1880	31	**1978**		11		**11**	**1989**	0%	1%	0%	**0.6%**

						Difference	
		Existing AM	Existing+Project AM	Existing PM	xisting+Project PM	Existing AM	Existing PM
1776 Westwood	GF	57.6	57.6	58.2	58.2	0.0	0.0
	1	57.3	57.3	57.9	57.9	0.0	0.0
10880 Wilshire	GF	61.3	61.3	61.3	61.3	0.0	0.0
	1	60.8	60.9	60.8	60.9	0.1	0.1
	2	60.5	60.5	60.5	60.6	0.0	0.1
	3	60.3	60.3	60.3	60.3	0.0	0.0
	4	60.0	60.0	60.0	60.0	0.0	0.0
	5	59.7	59.7	59.7	59.8	0.0	0.1
	6	59.6	59.6	59.6	59.6	0.0	0.0
	7	59.6	59.6	59.6	59.6	0.0	0.0
	8	59.2	59.2	59.2	59.3	0.0	0.1
	9	58.8	58.9	58.8	58.9	0.1	0.1
	10	58.5	58.6	58.6	58.6	0.1	0.0
	11	58.4	58.4	58.4	58.4	0.0	0.0
	12	58.2	58.3	58.2	58.3	0.1	0.1
Wilshire Manning	GF	60.5	60.5	60.4	60.4	0.0	0.0
	1	60.3	60.3	60.2	60.2	0.0	0.0
	2	60.0	60.0	59.9	59.9	0.0	0.0
	3	59.8	59.8	59.7	59.7	0.0	0.0
	4	59.4	59.4	59.3	59.4	0.0	0.1
	5	59.2	59.2	59.1	59.1	0.0	0.0
	6	58.9	58.9	58.8	58.8	0.0	0.0
	7	58.7	58.7	58.6	58.6	0.0	0.0
	8	58.5	58.5	58.4	58.4	0.0	0.0
	9	58.3	58.3	58.2	58.2	0.0	0.0
	10	58.2	58.2	58.1	58.1	0.0	0.0
	11	57.9	57.9	57.8	57.8	0.0	0.0
	12	57.6	57.6	57.5	57.5	0.0	0.0
	13	57.6	57.6	57.5	57.5	0.0	0.0
	14	57.3	57.3	57.2	57.2	0.0	0.0
	15	57.2	57.2	57.0	57.1	0.0	0.1

		Future AM	Future+Project AM	Future PM	uture+Project PM	Future AM	Future PM
1776 Westwood	GF	57.7	57.7	58.5	58.5	0.0	0.0
	1	57.5	57.5	58.3	58.3	0.0	0.0
10880 Wilshire	GF	61.5	61.5	61.5	61.5	0.0	0.0
	1	61.0	61.0	61.1	61.1	0.0	0.0
	2	60.7	60.7	60.7	60.8	0.0	0.1
	3	60.4	60.5	60.5	60.5	0.1	0.0
	4	60.2	60.2	60.2	60.2	0.0	0.0
	5	59.9	59.9	59.9	60.0	0.0	0.1
	6	59.7	59.8	59.8	59.8	0.1	0.0
	7	59.7	59.7	59.8	59.8	0.0	0.0
	8	59.4	59.4	59.5	59.5	0.0	0.0
	9	59.0	59.1	59.1	59.1	0.1	0.0
	10	58.7	58.7	58.8	58.8	0.0	0.0
	11	58.5	58.5	58.6	58.6	0.0	0.0
	12	58.4	58.4	58.5	58.5	0.0	0.0
Wilshire Manning	GF	60.7	60.7	60.6	60.6	0.0	0.0
	1	60.4	60.5	60.4	60.4	0.1	0.0
	2	60.1	60.2	60.1	60.1	0.1	0.0
	3	60.0	60.0	59.9	60.0	0.0	0.1
	4	59.6	59.6	59.6	59.6	0.0	0.0
	5	59.3	59.3	59.3	59.3	0.0	0.0
	6	59.1	59.1	59.0	59.1	0.0	0.1
	7	58.9	58.9	58.8	58.8	0.0	0.0
	8	58.7	58.7	58.6	58.7	0.0	0.1
	9	58.5	58.5	58.4	58.5	0.0	0.1
	10	58.4	58.4	58.3	58.3	0.0	0.0
	11	58.1	58.1	58.0	58.0	0.0	0.0
	12	57.8	57.8	57.7	57.8	0.0	0.1
	13	57.8	57.8	57.7	57.7	0.0	0.0
	14	57.5	57.5	57.4	57.4	0.0	0.0
	15	57.3	57.3	57.3	57.3	0.0	0.0

Peak hour traffic % of ADT	10%	
Daytime traffic % of ADT	60%	7 am-7 pm
Evening traffic % of ADT	40%	7 pm-7 am
log10(4.17/P)	-0.3798639	
log(D+10N)	0.66275783	

	Existing (2019)	Existing (2019)	Existing (2019)	Existing+Project (2019)	Existing+Project (2019)	Existing+Project (2019)
	1776 Westwood	10880 Wilshire	Wilshire Manning	1776 Westwood	10880 Wilshire	Wilshire Manning
Peak Hour Leq	58.2	61.3	60.5	58.2	61.3	60.5
Ldn	61.0	64.1	63.3	61.0	64.1	63.3
CNEL*	61.9	65.0	64.2	61.9	65.0	64.2

	Existing	Existing+Project	Difference
Westwood N or Santa Monica Bl	61.9	61.9	0.0
Wilshire Bl E of Westwood Bl	65.0	65.0	0.0
Wilshire Bl W of Westholme Ave	64.2	64.2	0.0

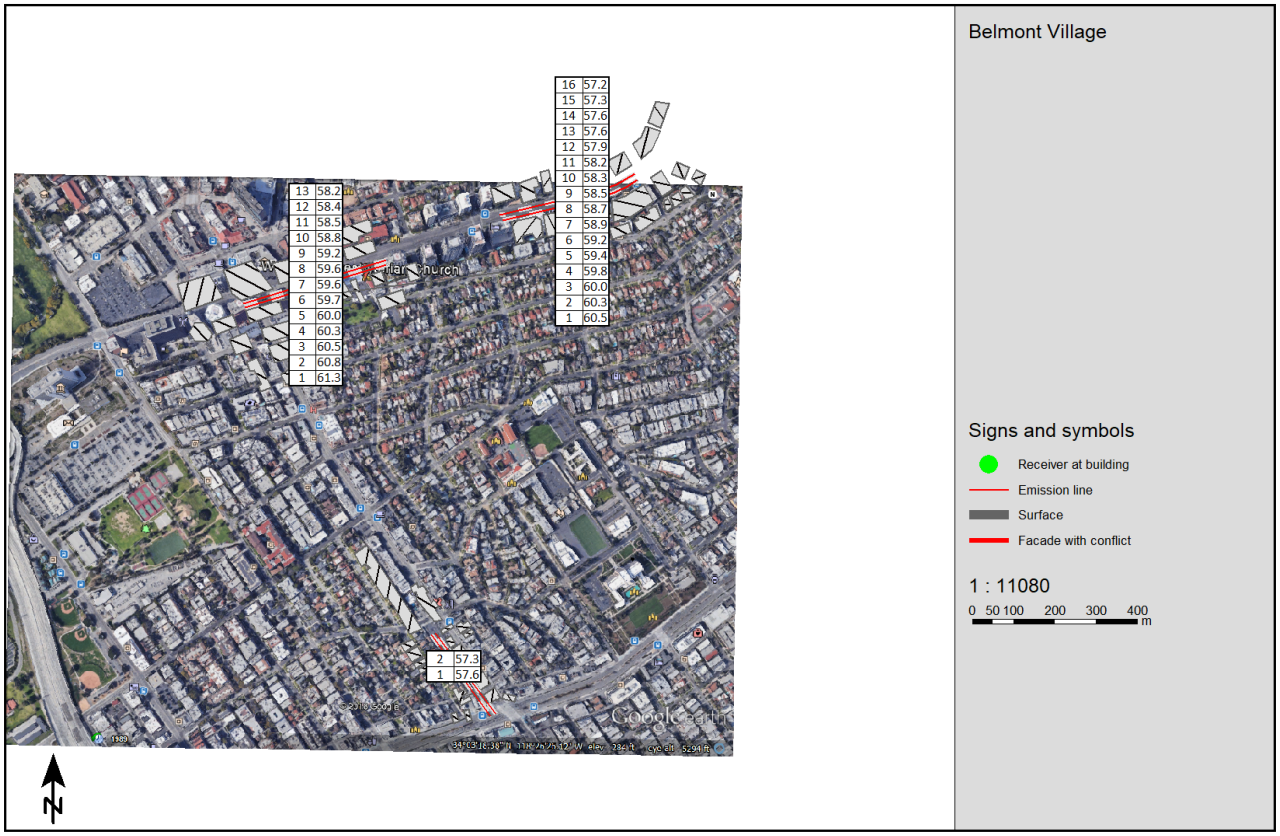
* Assumes 70% of traffic from 7 am-10 pm and 15% of traffic from 7 pm to 10 pm)
Source: Caltrans Technical Noise Supplement, September 2013

	Future (2025)	Future (2025)	Future (2025)	Future+Project (2025)	Future+Project (2025)	Future+Project (2025)
	1776 Westwood	10880 Wilshire	Wilshire Manning	1776 Westwood	10880 Wilshire	Wilshire Manning
Peak Hour Leq	58.5	61.5	60.7	58.5	61.5	60.7
Ldn	61.3	64.3	63.5	61.3	64.3	63.5
CNEL*	62.2	65.2	64.4	62.2	65.2	64.4

	Existing	Existing+Project	Difference
Westwood N or Santa Monica Bl	62.2	62.2	0.0
Wilshire Bl E of Westwood Bl	65.2	65.2	0.0
Wilshire Bl W of Westholme Ave	64.4	64.4	0.0

* Assumes 70% of traffic from 7 am-10 pm and 15% of traffic from 7 pm to 10 pm)
Source: Caltrans Technical Noise Supplement, September 2013

TRAFFIC NOISE MODELING
EXISTING AM


Belmont Village
16 57.2
15 57.3
14 57.6
13 57.6
12 57.9
11 58.2
10 58.3
9 58.5
8 58.7
7 58.9
6 59.2
5 59.4
4 59.8
3 60.0
2 60.3
1 60.5
13 58.2
12 58.4
11 58.5
10 58.8
9 59.2
8 59.6
7 59.6
6 59.7
5 60.0
4 60.3
3 60.5
2 60.8
1 61.3
2 57.3
1 57.6
Signs and symbols
Receiver at building
Emission line
Surface
Facade with conflict
1 : 11080
0 50 100 200 300 400
m
N

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard		GF		57.6
Westwood Bl N of SM Bl NB	-	55.5		
Westwood Bl N of SM Bl SB	-	53.4		
Westwood Bl W of Westholme EB	-		-1.7	
Westwood Bl W of Westholme WB	-		-1.7	
Wilshire Bl E of Westwood EB	-		2.4	
Wilshire Bl E of Westwood WB	-		0.3	
1751 Westwood Boulevard		1.Fl		57.3
Westwood Bl N of SM Bl NB	-	55.2		
Westwood Bl N of SM Bl SB	-	53.1		
Westwood Bl W of Westholme EB	-		-1.5	
Westwood Bl W of Westholme WB	-		-1.5	
Wilshire Bl E of Westwood EB	-		1.8	
Wilshire Bl E of Westwood WB	-		-0.3	
10850 Wilshire Boulevard		GF		61.3
Westwood Bl N of SM Bl NB	-	23.0		
Westwood Bl N of SM Bl SB	-	22.7		
Westwood Bl W of Westholme EB	-		15.2	
Westwood Bl W of Westholme WB	-		19.9	
Wilshire Bl E of Westwood EB	-		59.0	
Wilshire Bl E of Westwood WB	-		57.4	
10850 Wilshire Boulevard		1.Fl		60.8
Westwood Bl N of SM Bl NB	-	23.2		
Westwood Bl N of SM Bl SB	-	22.7		
Westwood Bl W of Westholme EB	-		15.5	
Westwood Bl W of Westholme WB	-		20.7	
Wilshire Bl E of Westwood EB	-		58.5	
Wilshire Bl E of Westwood WB	-		57.0	
10850 Wilshire Boulevard		2.Fl		60.5
Westwood Bl N of SM Bl NB	-	23.5		
Westwood Bl N of SM Bl SB	-	22.7		
Westwood Bl W of Westholme EB	-		14.9	
Westwood Bl W of Westholme WB	-		20.7	
Wilshire Bl E of Westwood EB	-		58.3	
Wilshire Bl E of Westwood WB	-		56.6	
10850 Wilshire Boulevard		3.Fl		60.3
Westwood Bl N of SM Bl NB	-	23.8		
Westwood Bl N of SM Bl SB	-	22.6		
Westwood Bl W of Westholme EB	-		15.1	
Westwood Bl W of Westholme WB	-		20.5	
Wilshire Bl E of Westwood EB	-		57.9	
Wilshire Bl E of Westwood WB	-		56.5	
10850 Wilshire Boulevard		4.Fl		60.0
Westwood Bl N of SM Bl NB	-	24.0		
Westwood Bl N of SM Bl SB	-	22.7		
Westwood Bl W of Westholme EB	-		15.4	
Westwood Bl W of Westholme WB	-		21.3	
Wilshire Bl E of Westwood EB	-		57.6	
Wilshire Bl E of Westwood WB	-		56.3	
10850 Wilshire Boulevard		5.Fl		59.7
Westwood Bl N of SM Bl NB	-	24.0		
Westwood Bl N of SM Bl SB	-	23.2		
Westwood Bl W of Westholme EB	-		15.5	
Westwood Bl W of Westholme WB	-		21.8	
Wilshire Bl E of Westwood EB	-		57.3	
Wilshire Bl E of Westwood WB	-		56.1	
10850 Wilshire Boulevard		6.Fl		59.6
Westwood Bl N of SM Bl NB	-	24.2		
Westwood Bl N of SM Bl SB	-	23.5		
Westwood Bl W of Westholme EB	-		15.8	
Westwood Bl W of Westholme WB	-		22.2	
Wilshire Bl E of Westwood EB	-		57.1	
Wilshire Bl E of Westwood WB	-		55.9	
10850 Wilshire Boulevard		7.Fl		59.6
Westwood Bl N of SM Bl NB	-	24.4		

```
Westwood Bl N of SM Bl SB -       23.9
Westwood Bl W of Westholme EB     -       16.8
Westwood Bl W of Westholme WB     -       22.4
Wilshire Bl E of Westwood EB      -       57.2
Wilshire Bl E of Westwood WB      -       55.8
   10850 Wilshire Boulevard        8.Fl         59.2
Westwood Bl N of SM Bl NB -       24.6
Westwood Bl N of SM Bl SB -       23.9
Westwood Bl W of Westholme EB     -       16.0
Westwood Bl W of Westholme WB     -       23.0
Wilshire Bl E of Westwood EB      -       56.9
Wilshire Bl E of Westwood WB      -       55.4
   10850 Wilshire Boulevard        9.Fl         58.8
Westwood Bl N of SM Bl NB -       24.9
Westwood Bl N of SM Bl SB -       23.7
Westwood Bl W of Westholme EB     -       16.2
Westwood Bl W of Westholme WB     -       23.1
Wilshire Bl E of Westwood EB      -       56.5
Wilshire Bl E of Westwood WB      -       55.1
   10850 Wilshire Boulevard       10.Fl         58.5
Westwood Bl N of SM Bl NB -       25.2
Westwood Bl N of SM Bl SB -       23.6
Westwood Bl W of Westholme EB     -       17.1
Westwood Bl W of Westholme WB     -       23.7
Wilshire Bl E of Westwood EB      -       56.2
Wilshire Bl E of Westwood WB      -       54.8
   10850 Wilshire Boulevard       11.Fl         58.4
Westwood Bl N of SM Bl NB -       25.2
Westwood Bl N of SM Bl SB -       23.8
Westwood Bl W of Westholme EB     -       17.1
Westwood Bl W of Westholme WB     -       24.3
Wilshire Bl E of Westwood EB      -       56.0
Wilshire Bl E of Westwood WB      -       54.5
   10850 Wilshire Boulevard       12.Fl         58.2
Westwood Bl N of SM Bl NB -       25.3
Westwood Bl N of SM Bl SB -       24.0
Westwood Bl W of Westholme EB     -       17.2
Westwood Bl W of Westholme WB     -       25.0
Wilshire Bl E of Westwood EB      -       55.8
Wilshire Bl E of Westwood WB      -       54.5
   Wilshire Manning Condominiums        GF         60.5
Westwood Bl N of SM Bl NB -       14.0
Westwood Bl N of SM Bl SB -       10.4
Westwood Bl W of Westholme EB     -       58.2
Westwood Bl W of Westholme WB     -       56.7
Wilshire Bl E of Westwood EB      -       16.2
Wilshire Bl E of Westwood WB      -       16.7
   Wilshire Manning Condominiums        1.Fl         60.3
Westwood Bl N of SM Bl NB -       14.2
Westwood Bl N of SM Bl SB -       10.7
Westwood Bl W of Westholme EB     -       58.0
Westwood Bl W of Westholme WB     -       56.4
Wilshire Bl E of Westwood EB      -       17.1
Wilshire Bl E of Westwood WB      -       16.5
   Wilshire Manning Condominiums        2.Fl         60.0
Westwood Bl N of SM Bl NB -       14.7
Westwood Bl N of SM Bl SB -       11.7
Westwood Bl W of Westholme EB     -       57.6
Westwood Bl W of Westholme WB     -       56.2
Wilshire Bl E of Westwood EB      -       18.2
Wilshire Bl E of Westwood WB      -       17.2
   Wilshire Manning Condominiums        3.Fl         59.8
Westwood Bl N of SM Bl NB -       15.1
Westwood Bl N of SM Bl SB -       12.6
Westwood Bl W of Westholme EB     -       57.6
Westwood Bl W of Westholme WB     -       55.8
Wilshire Bl E of Westwood EB      -       17.6
Wilshire Bl E of Westwood WB      -       17.9
```

```
   Wilshire Manning Condominiums         4.Fl         59.4
Westwood Bl N of SM Bl NB -       16.0
Westwood Bl N of SM Bl SB -       13.9
Westwood Bl W of Westholme EB     -       57.2
Westwood Bl W of Westholme WB     -       55.5
Wilshire Bl E of Westwood EB      -       18.7
Wilshire Bl E of Westwood WB      -       18.6
   Wilshire Manning Condominiums         5.Fl         59.2
Westwood Bl N of SM Bl NB -       16.6
Westwood Bl N of SM Bl SB -       15.0
Westwood Bl W of Westholme EB     -       57.0
Westwood Bl W of Westholme WB     -       55.1
Wilshire Bl E of Westwood EB      -       19.4
Wilshire Bl E of Westwood WB      -       19.1
   Wilshire Manning Condominiums         6.Fl         58.9
Westwood Bl N of SM Bl NB -       17.5
Westwood Bl N of SM Bl SB -       16.5
Westwood Bl W of Westholme EB     -       56.7
Westwood Bl W of Westholme WB     -       54.8
Wilshire Bl E of Westwood EB      -       20.1
Wilshire Bl E of Westwood WB      -       19.8
   Wilshire Manning Condominiums         7.Fl         58.7
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       17.7
Westwood Bl W of Westholme EB     -       56.4
Westwood Bl W of Westholme WB     -       54.8
Wilshire Bl E of Westwood EB      -       18.0
Wilshire Bl E of Westwood WB      -       20.4
   Wilshire Manning Condominiums         8.Fl         58.5
Westwood Bl N of SM Bl NB -       18.8
Westwood Bl N of SM Bl SB -       18.0
Westwood Bl W of Westholme EB     -       56.2
Westwood Bl W of Westholme WB     -       54.6
Wilshire Bl E of Westwood EB      -       19.0
Wilshire Bl E of Westwood WB      -       21.2
   Wilshire Manning Condominiums         9.Fl         58.3
Westwood Bl N of SM Bl NB -       19.1
Westwood Bl N of SM Bl SB -       18.3
Westwood Bl W of Westholme EB     -       56.1
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       19.6
Wilshire Bl E of Westwood WB      -       21.2
   Wilshire Manning Condominiums         10.Fl         58.2
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       18.5
Westwood Bl W of Westholme EB     -       56.0
Westwood Bl W of Westholme WB     -       54.2
Wilshire Bl E of Westwood EB      -       20.8
Wilshire Bl E of Westwood WB      -       22.0
   Wilshire Manning Condominiums         11.Fl         57.9
Westwood Bl N of SM Bl NB -       19.1
Westwood Bl N of SM Bl SB -       18.7
Westwood Bl W of Westholme EB     -       55.6
Westwood Bl W of Westholme WB     -       54.0
Wilshire Bl E of Westwood EB      -       22.3
Wilshire Bl E of Westwood WB      -       23.6
   Wilshire Manning Condominiums         12.Fl         57.6
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       18.9
Westwood Bl W of Westholme EB     -       55.4
Westwood Bl W of Westholme WB     -       53.7
Wilshire Bl E of Westwood EB      -       22.2
Wilshire Bl E of Westwood WB      -       24.9
   Wilshire Manning Condominiums         13.Fl         57.6
Westwood Bl N of SM Bl NB -       19.2
Westwood Bl N of SM Bl SB -       18.8
Westwood Bl W of Westholme EB     -       55.3
Westwood Bl W of Westholme WB     -       53.7
```

Wilshire Bl E of Westwood EB	–	22.0		
Wilshire Bl E of Westwood WB	–	26.5		
Wilshire Manning Condominiums		14.Fl		57.3
Westwood Bl N of SM Bl NB	–	19.5		
Westwood Bl N of SM Bl SB	–	18.9		
Westwood Bl W of Westholme EB	–	54.9		
Westwood Bl W of Westholme WB	–	53.6		
Wilshire Bl E of Westwood EB	–	22.9		
Wilshire Bl E of Westwood WB	–	31.9		
Wilshire Manning Condominiums		15.Fl		57.2
Westwood Bl N of SM Bl NB	–	19.6		
Westwood Bl N of SM Bl SB	–	19.1		
Westwood Bl W of Westholme EB	–	54.7		
Westwood Bl W of Westholme WB	–	53.5		
Wilshire Bl E of Westwood EB	–	23.9		
Wilshire Bl E of Westwood WB	–	31.1		

No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	
200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2
kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz				
1	1751 Westwood Boulevard		GF	L(Aeq1h)	23.9	32.2	36.6	38.4	39.2	
40.0	40.7	41.9	43.6	45.5	48.3	49.3	46.5	46.3	45.2	47.4
47.8	44.6	41.9	40.6	36.5	32.2	27.5	21.6			
1	1751 Westwood Boulevard		1.Fl	L(Aeq1h)	23.6	31.9	36.3	38.1	38.9	
39.7	40.4	41.6	43.4	45.4	48.0	49.3	46.4	46.0	45.1	47.2
47.4	44.2	41.4	40.1	36.1	31.4	26.9	20.6			
2	10850 Wilshire Boulevard		GF	L(Aeq1h)	26.3	34.5	38.6	40.8	41.7	
42.4	43.2	44.7	46.5	48.9	51.4	53.3	51.9	51.8	50.6	50.4
49.6	48.4	45.7	43.1	40.0	36.9	32.1	26.7			
2	10850 Wilshire Boulevard		1.Fl	L(Aeq1h)	26.2	34.1	39.0	40.4	41.4	
42.1	43.2	44.4	46.2	48.4	51.0	53.2	50.9	51.4	49.7	49.9
49.4	47.6	45.5	41.9	39.8	36.0	32.0	25.9			
2	10850 Wilshire Boulevard		2.Fl	L(Aeq1h)	26.1	33.5	38.6	40.4	41.0	
41.9	42.9	43.9	46.0	48.0	50.5	52.5	50.6	51.6	49.2	49.9
49.2	47.4	45.0	42.2	39.6	35.9	31.0	25.6			
2	10850 Wilshire Boulevard		3.Fl	L(Aeq1h)	26.0	33.2	37.8	40.2	40.8	
41.7	42.6	43.8	45.6	48.1	50.3	52.5	50.0	50.7	49.8	49.6
49.1	47.0	44.6	42.0	39.0	35.3	31.1	25.0			
2	10850 Wilshire Boulevard		4.Fl	L(Aeq1h)	25.5	33.2	37.4	39.7	40.2	
41.8	42.2	43.7	45.5	47.8	50.5	52.0	49.3	50.9	49.0	49.3
49.1	46.6	43.3	41.8	38.4	35.0	30.2	24.3			
2	10850 Wilshire Boulevard		5.Fl	L(Aeq1h)	24.9	33.2	37.6	39.3	40.2	
41.4	42.0	43.4	45.7	47.7	50.0	52.3	49.5	50.1	48.3	48.6
48.5	46.5	43.4	41.7	38.1	34.6	29.8	23.8			
2	10850 Wilshire Boulevard		6.Fl	L(Aeq1h)	24.5	32.9	37.8	39.2	40.2	
40.8	41.6	43.0	44.8	47.2	49.7	51.7	50.0	50.2	48.8	48.7
48.4	46.0	42.8	41.4	38.1	34.1	29.0	23.5			
2	10850 Wilshire Boulevard		7.Fl	L(Aeq1h)	24.1	32.4	37.7	39.1	39.9	
41.0	41.5	43.2	44.9	47.2	49.3	51.7	50.0	50.3	48.7	49.2
48.3	46.0	43.0	41.3	37.6	33.1	28.7	22.8			
2	10850 Wilshire Boulevard		8.Fl	L(Aeq1h)	23.9	32.0	37.3	38.7	39.8	
40.6	41.2	42.8	44.4	46.9	48.9	51.6	49.4	49.6	49.0	48.6
47.8	45.8	43.1	40.8	37.3	33.1	28.0	22.3			
2	10850 Wilshire Boulevard		9.Fl	L(Aeq1h)	24.0	31.6	36.9	38.2	39.7	
40.1	41.1	42.8	44.2	46.6	48.9	51.1	48.7	49.3	48.2	48.5
47.7	45.4	42.1	40.7	36.6	32.3	27.6	21.7			
2	10850 Wilshire Boulevard		10.Fl	L(Aeq1h)	24.0	31.6	36.6	38.1	39.4	
40.1	40.8	42.2	44.1	46.4	48.5	50.6	48.5	49.5	47.9	47.9
47.0	44.9	42.0	40.2	36.3	32.3	27.0	20.3			
2	10850 Wilshire Boulevard		11.Fl	L(Aeq1h)	23.9	31.7	36.4	38.1	39.1	
39.8	40.5	42.1	43.9	45.9	48.6	50.6	48.3	49.0	47.6	47.5
47.3	44.5	42.5	40.5	36.2	31.8	26.6	19.5			
2	10850 Wilshire Boulevard		12.Fl	L(Aeq1h)	23.7	31.8	36.4	37.9	38.8	
39.6	40.1	41.9	43.8	45.5	48.2	50.6	48.4	48.3	47.8	48.0
47.2	44.4	41.6	39.9	35.9	32.0	25.9	18.9			
3	Wilshire Manning Condominiums		GF	L(Aeq1h)	26.2	34.8	38.8	41.0		
41.8	42.6	43.4	44.6	46.7	48.8	50.8	53.1	51.1	50.8	48.9
48.0	47.5	47.1	46.0	42.6	39.1	34.9	30.7	22.7		
3	Wilshire Manning Condominiums		1.Fl	L(Aeq1h)	26.0	34.5	38.5	40.8		
41.5	42.5	43.2	44.6	46.6	48.7	50.8	52.6	50.6	50.6	48.8
48.1	47.3	46.9	45.4	42.2	38.9	34.5	30.4	22.6		
3	Wilshire Manning Condominiums		2.Fl	L(Aeq1h)	25.7	34.2	38.3	40.5		
41.3	42.2	42.9	44.4	46.1	48.2	50.4	52.3	50.4	50.5	48.3
47.7	47.1	46.8	45.3	41.7	37.9	34.1	29.7	22.0		
3	Wilshire Manning Condominiums		3.Fl	L(Aeq1h)	25.4	33.8	38.0	40.1		
40.9	41.8	42.6	44.2	45.9	47.9	50.3	52.5	50.4	50.7	47.7
47.0	47.2	46.2	44.7	41.2	37.8	33.9	29.2	21.8		
3	Wilshire Manning Condominiums		4.Fl	L(Aeq1h)	25.2	33.6	37.8	39.9		
40.7	41.4	42.3	43.9	45.6	47.3	50.2	51.8	49.9	50.1	47.3
47.1	46.8	46.3	44.4	41.3	37.4	33.3	28.6	21.4		
3	Wilshire Manning Condominiums		5.Fl	L(Aeq1h)	25.0	33.3	37.7	39.6		
40.4	41.1	42.2	43.5	45.3	47.1	49.7	51.6	49.6	49.6	47.4
47.1	46.6	46.1	44.3	40.5	37.3	33.3	27.5	21.3		
3	Wilshire Manning Condominiums		6.Fl	L(Aeq1h)	24.8	33.0	37.4	39.4		
40.2	40.8	41.9	43.3	45.0	47.2	49.5	51.1	49.6	49.1	46.8

```
46.9    46.6    45.8    44.1    40.6    36.5    32.9    27.4    21.0
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h) 24.6   32.8    37.3    39.2
39.9    40.5    41.7    43.1    44.8    46.6    49.2    51.4    48.8    49.2    46.7
47.0    46.2    45.2    43.9    40.2    36.4    32.8    26.1    21.0
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h) 24.4   32.6    37.1    38.9
39.7    40.3    41.5    42.8    44.7    46.2    49.0    50.9    49.0    49.1    46.3
46.8    46.1    45.8    43.5    39.6    35.9    32.6    25.8    20.1
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h) 24.2   32.4    36.9    38.7
39.5    40.2    41.2    42.5    44.4    46.4    48.9    50.9    48.3    48.6    46.8
46.3    45.9    45.2    43.4    39.5    35.8    32.2    25.1    19.5
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h) 24.1   32.2    36.8    38.5
39.3    40.1    41.0    42.3    44.1    46.7    48.6    51.0    48.4    48.6    46.2
46.0    45.9    45.3    43.0    39.1    35.2    32.0    24.8    18.8
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h) 23.9   32.0    36.6    38.4
39.1    39.9    40.8    42.2    43.9    46.4    48.4    50.7    47.9    48.0    45.5
45.9    46.1    44.9    42.5    38.6    35.1    31.6    24.3    18.2
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h) 23.7   31.9    36.5    38.3
39.0    39.8    40.6    42.1    43.7    45.9    48.3    50.3    47.5    47.7    45.2
45.7    45.7    44.7    42.6    38.4    35.1    31.2    24.0    17.6
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h) 23.5   31.7    36.3    38.0
38.9    39.7    40.4    41.9    43.5    45.6    48.4    49.9    48.2    47.3    46.1
45.5    46.1    44.6    42.1    38.1    35.0    31.4    23.7    17.0
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h) 23.4   31.5    36.1    37.9
38.8    39.5    40.3    41.9    43.3    45.5    47.8    50.1    47.8    47.2    44.6
44.7    46.0    44.0    41.9    38.0    34.6    30.9    23.1    16.2
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h) 23.2   31.4    36.0    37.7
38.7    39.3    40.2    41.8    43.2    45.6    47.3    50.1    46.9    47.0    45.1
45.1    45.6    44.4    41.7    37.7    34.3    30.3    22.1    15.4
```

No.	Receiver name	Building side	Limit Floor dB(A)	Level L(Aeq1h) dB(A)	Conflict L(Aeq1h) dB	L(Aeq1h)		
1	1751 Westwood Boulevard	North east		GF	75	57.6	–	
1	1751 Westwood Boulevard	North east		1.Fl	75	57.3	–	
2	10850 Wilshire Boulevard	North	GF	75	61.3	–		
2	10850 Wilshire Boulevard	North	1.Fl	75	60.8	–		
2	10850 Wilshire Boulevard	North	2.Fl	75	60.5	–		
2	10850 Wilshire Boulevard	North	3.Fl	75	60.3	–		
2	10850 Wilshire Boulevard	North	4.Fl	75	60.0	–		
2	10850 Wilshire Boulevard	North	5.Fl	75	59.7	–		
2	10850 Wilshire Boulevard	North	6.Fl	75	59.6	–		
2	10850 Wilshire Boulevard	North	7.Fl	75	59.6	–		
2	10850 Wilshire Boulevard	North	8.Fl	75	59.2	–		
2	10850 Wilshire Boulevard	North	9.Fl	75	58.8	–		
2	10850 Wilshire Boulevard	North	10.Fl	75	58.5	–		
2	10850 Wilshire Boulevard	North	11.Fl	75	58.4	–		
2	10850 Wilshire Boulevard	North	12.Fl	75	58.2	–		
3	Wilshire Manning Condominiums	North	GF	70	60.5	–		
3	Wilshire Manning Condominiums	North	1.Fl	70	60.3	–		
3	Wilshire Manning Condominiums	North	2.Fl	70	60.0	–		
3	Wilshire Manning Condominiums	North	3.Fl	70	59.8	–		
3	Wilshire Manning Condominiums	North	4.Fl	70	59.4	–		
3	Wilshire Manning Condominiums	North	5.Fl	70	59.2	–		
3	Wilshire Manning Condominiums	North	6.Fl	70	58.9	–		
3	Wilshire Manning Condominiums	North	7.Fl	70	58.7	–		
3	Wilshire Manning Condominiums	North	8.Fl	70	58.5	–		
3	Wilshire Manning Condominiums	North	9.Fl	70	58.3	–		
3	Wilshire Manning Condominiums	North	10.Fl	70	58.2	–		
3	Wilshire Manning Condominiums	North	11.Fl	70	57.9	–		
3	Wilshire Manning Condominiums	North	12.Fl	70	57.6	–		
3	Wilshire Manning Condominiums	North	13.Fl	70	57.6	–		
3	Wilshire Manning Condominiums	North	14.Fl	70	57.3	–		
3	Wilshire Manning Condominiums	North	15.Fl	70	57.2	–		

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h	km/h	%		%		
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	44088	Total	-	1837	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44088	Automobiles	-	1837	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44088	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44088	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44088	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44088	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44088	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	49416	Total	-	2059	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49416	Automobiles	-	2059	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49416	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49416	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49416	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49416	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49416	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	16104	Total	-	671	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16104	Automobiles	-	671	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16104	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16104	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16104	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16104	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16104	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	28344	Total	-	1181	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28344	Automobiles	-	1181	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28344	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28344	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28344	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28344	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28344	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

```
0+244    -        -        -        -        -        -
   Westwood Bl W of Westholme WB      Traffic direction:    In entry direction
0+000    28344    Total    -        1181     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    28344    Automobiles      -        1181     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28344    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28344    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28344    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    28344    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28344    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.1 / 5.2
0+101    54000    Total    -        2250     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    54000    Automobiles      -        2250     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54000    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54000    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54000    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    54000    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54000    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.0
0+342    -        -        -        -        -        -
   Westwood Bl W of Westholme EB      Traffic direction:    In entry direction
0+000    50736    Total    -        2114     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    50736    Automobiles      -        2114     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50736    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50736    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50736    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    50736    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50736    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) -23.5 / 5.1
0+342    -        -        -        -        -        -
```

TRAFFIC NOISE MODELING
EXISTING+PROJECT AM

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard		GF		57.6
Westwood Bl N of SM Bl NB	-	55.5		
Westwood Bl N of SM Bl SB	-	53.4		
Westwood Bl W of Westholme EB	-		-1.7	
Westwood Bl W of Westholme WB	-		-1.7	
Wilshire Bl E of Westwood EB	-		2.4	
Wilshire Bl E of Westwood WB	-		0.3	
1751 Westwood Boulevard		1.Fl		57.3
Westwood Bl N of SM Bl NB	-	55.2		
Westwood Bl N of SM Bl SB	-	53.1		
Westwood Bl W of Westholme EB	-		-1.5	
Westwood Bl W of Westholme WB	-		-1.5	
Wilshire Bl E of Westwood EB	-		1.8	
Wilshire Bl E of Westwood WB	-		-0.3	
10850 Wilshire Boulevard		GF		61.3
Westwood Bl N of SM Bl NB	-	23.0		
Westwood Bl N of SM Bl SB	-	22.7		
Westwood Bl W of Westholme EB	-		15.2	
Westwood Bl W of Westholme WB	-		19.9	
Wilshire Bl E of Westwood EB	-		59.0	
Wilshire Bl E of Westwood WB	-		57.4	
10850 Wilshire Boulevard		1.Fl		60.9
Westwood Bl N of SM Bl NB	-	23.3		
Westwood Bl N of SM Bl SB	-	22.7		
Westwood Bl W of Westholme EB	-		15.5	
Westwood Bl W of Westholme WB	-		20.7	
Wilshire Bl E of Westwood EB	-		58.6	
Wilshire Bl E of Westwood WB	-		57.0	
10850 Wilshire Boulevard		2.Fl		60.5
Westwood Bl N of SM Bl NB	-	23.5		
Westwood Bl N of SM Bl SB	-	22.7		
Westwood Bl W of Westholme EB	-		14.9	
Westwood Bl W of Westholme WB	-		20.7	
Wilshire Bl E of Westwood EB	-		58.3	
Wilshire Bl E of Westwood WB	-		56.6	
10850 Wilshire Boulevard		3.Fl		60.3
Westwood Bl N of SM Bl NB	-	23.8		
Westwood Bl N of SM Bl SB	-	22.6		
Westwood Bl W of Westholme EB	-		15.1	
Westwood Bl W of Westholme WB	-		20.6	
Wilshire Bl E of Westwood EB	-		58.0	
Wilshire Bl E of Westwood WB	-		56.5	
10850 Wilshire Boulevard		4.Fl		60.0
Westwood Bl N of SM Bl NB	-	24.0		
Westwood Bl N of SM Bl SB	-	22.8		
Westwood Bl W of Westholme EB	-		15.4	
Westwood Bl W of Westholme WB	-		21.3	
Wilshire Bl E of Westwood EB	-		57.6	
Wilshire Bl E of Westwood WB	-		56.3	
10850 Wilshire Boulevard		5.Fl		59.7
Westwood Bl N of SM Bl NB	-	24.0		
Westwood Bl N of SM Bl SB	-	23.2		
Westwood Bl W of Westholme EB	-		15.6	
Westwood Bl W of Westholme WB	-		21.8	
Wilshire Bl E of Westwood EB	-		57.3	
Wilshire Bl E of Westwood WB	-		56.1	
10850 Wilshire Boulevard		6.Fl		59.6
Westwood Bl N of SM Bl NB	-	24.2		
Westwood Bl N of SM Bl SB	-	23.5		
Westwood Bl W of Westholme EB	-		15.8	
Westwood Bl W of Westholme WB	-		22.3	
Wilshire Bl E of Westwood EB	-		57.2	
Wilshire Bl E of Westwood WB	-		55.9	
10850 Wilshire Boulevard		7.Fl		59.6
Westwood Bl N of SM Bl NB	-	24.4		

```
Westwood Bl N of SM Bl SB -       23.9
Westwood Bl W of Westholme EB     -       16.8
Westwood Bl W of Westholme WB     -       22.4
Wilshire Bl E of Westwood EB      -       57.2
Wilshire Bl E of Westwood WB      -       55.8
   10850 Wilshire Boulevard        8.Fl         59.2
Westwood Bl N of SM Bl NB -       24.7
Westwood Bl N of SM Bl SB -       23.9
Westwood Bl W of Westholme EB     -       16.0
Westwood Bl W of Westholme WB     -       23.1
Wilshire Bl E of Westwood EB      -       56.9
Wilshire Bl E of Westwood WB      -       55.4
   10850 Wilshire Boulevard        9.Fl         58.9
Westwood Bl N of SM Bl NB -       25.0
Westwood Bl N of SM Bl SB -       23.7
Westwood Bl W of Westholme EB     -       16.2
Westwood Bl W of Westholme WB     -       23.1
Wilshire Bl E of Westwood EB      -       56.5
Wilshire Bl E of Westwood WB      -       55.1
   10850 Wilshire Boulevard       10.Fl         58.6
Westwood Bl N of SM Bl NB -       25.2
Westwood Bl N of SM Bl SB -       23.6
Westwood Bl W of Westholme EB     -       17.1
Westwood Bl W of Westholme WB     -       23.7
Wilshire Bl E of Westwood EB      -       56.2
Wilshire Bl E of Westwood WB      -       54.8
   10850 Wilshire Boulevard       11.Fl         58.4
Westwood Bl N of SM Bl NB -       25.2
Westwood Bl N of SM Bl SB -       23.8
Westwood Bl W of Westholme EB     -       17.2
Westwood Bl W of Westholme WB     -       24.3
Wilshire Bl E of Westwood EB      -       56.0
Wilshire Bl E of Westwood WB      -       54.6
   10850 Wilshire Boulevard       12.Fl         58.3
Westwood Bl N of SM Bl NB -       25.3
Westwood Bl N of SM Bl SB -       24.0
Westwood Bl W of Westholme EB     -       17.2
Westwood Bl W of Westholme WB     -       25.1
Wilshire Bl E of Westwood EB      -       55.8
Wilshire Bl E of Westwood WB      -       54.6
   Wilshire Manning Condominiums        GF         60.5
Westwood Bl N of SM Bl NB -       14.0
Westwood Bl N of SM Bl SB -       10.4
Westwood Bl W of Westholme EB     -       58.2
Westwood Bl W of Westholme WB     -       56.7
Wilshire Bl E of Westwood EB      -       16.2
Wilshire Bl E of Westwood WB      -       16.7
   Wilshire Manning Condominiums        1.Fl         60.3
Westwood Bl N of SM Bl NB -       14.2
Westwood Bl N of SM Bl SB -       10.7
Westwood Bl W of Westholme EB     -       58.0
Westwood Bl W of Westholme WB     -       56.4
Wilshire Bl E of Westwood EB      -       17.1
Wilshire Bl E of Westwood WB      -       16.6
   Wilshire Manning Condominiums        2.Fl         60.0
Westwood Bl N of SM Bl NB -       14.7
Westwood Bl N of SM Bl SB -       11.7
Westwood Bl W of Westholme EB     -       57.6
Westwood Bl W of Westholme WB     -       56.2
Wilshire Bl E of Westwood EB      -       18.2
Wilshire Bl E of Westwood WB      -       17.2
   Wilshire Manning Condominiums        3.Fl         59.8
Westwood Bl N of SM Bl NB -       15.1
Westwood Bl N of SM Bl SB -       12.6
Westwood Bl W of Westholme EB     -       57.6
Westwood Bl W of Westholme WB     -       55.9
Wilshire Bl E of Westwood EB      -       17.6
Wilshire Bl E of Westwood WB      -       17.9
```

```
   Wilshire Manning Condominiums         4.Fl         59.4
Westwood Bl N of SM Bl NB -       16.0
Westwood Bl N of SM Bl SB -       13.9
Westwood Bl W of Westholme EB     -       57.2
Westwood Bl W of Westholme WB     -       55.5
Wilshire Bl E of Westwood EB      -       18.7
Wilshire Bl E of Westwood WB      -       18.6
   Wilshire Manning Condominiums         5.Fl         59.2
Westwood Bl N of SM Bl NB -       16.7
Westwood Bl N of SM Bl SB -       15.0
Westwood Bl W of Westholme EB     -       57.0
Westwood Bl W of Westholme WB     -       55.1
Wilshire Bl E of Westwood EB      -       19.4
Wilshire Bl E of Westwood WB      -       19.1
   Wilshire Manning Condominiums         6.Fl         58.9
Westwood Bl N of SM Bl NB -       17.5
Westwood Bl N of SM Bl SB -       16.5
Westwood Bl W of Westholme EB     -       56.8
Westwood Bl W of Westholme WB     -       54.9
Wilshire Bl E of Westwood EB      -       20.1
Wilshire Bl E of Westwood WB      -       19.8
   Wilshire Manning Condominiums         7.Fl         58.7
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       17.7
Westwood Bl W of Westholme EB     -       56.4
Westwood Bl W of Westholme WB     -       54.9
Wilshire Bl E of Westwood EB      -       18.0
Wilshire Bl E of Westwood WB      -       20.4
   Wilshire Manning Condominiums         8.Fl         58.5
Westwood Bl N of SM Bl NB -       18.8
Westwood Bl N of SM Bl SB -       18.0
Westwood Bl W of Westholme EB     -       56.2
Westwood Bl W of Westholme WB     -       54.7
Wilshire Bl E of Westwood EB      -       19.1
Wilshire Bl E of Westwood WB      -       21.2
   Wilshire Manning Condominiums         9.Fl         58.3
Westwood Bl N of SM Bl NB -       19.1
Westwood Bl N of SM Bl SB -       18.3
Westwood Bl W of Westholme EB     -       56.1
Westwood Bl W of Westholme WB     -       54.4
Wilshire Bl E of Westwood EB      -       19.6
Wilshire Bl E of Westwood WB      -       21.2
   Wilshire Manning Condominiums         10.Fl         58.2
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       18.5
Westwood Bl W of Westholme EB     -       56.0
Westwood Bl W of Westholme WB     -       54.2
Wilshire Bl E of Westwood EB      -       20.8
Wilshire Bl E of Westwood WB      -       22.0
   Wilshire Manning Condominiums         11.Fl         57.9
Westwood Bl N of SM Bl NB -       19.1
Westwood Bl N of SM Bl SB -       18.7
Westwood Bl W of Westholme EB     -       55.6
Westwood Bl W of Westholme WB     -       54.0
Wilshire Bl E of Westwood EB      -       22.3
Wilshire Bl E of Westwood WB      -       23.6
   Wilshire Manning Condominiums         12.Fl         57.6
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       18.9
Westwood Bl W of Westholme EB     -       55.4
Westwood Bl W of Westholme WB     -       53.7
Wilshire Bl E of Westwood EB      -       22.2
Wilshire Bl E of Westwood WB      -       24.9
   Wilshire Manning Condominiums         13.Fl         57.6
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       18.8
Westwood Bl W of Westholme EB     -       55.3
Westwood Bl W of Westholme WB     -       53.7
```

```
Wilshire Bl E of Westwood EB      -       22.1
Wilshire Bl E of Westwood WB      -       26.5
   Wilshire Manning Condominiums         14.Fl         57.3
Westwood Bl N of SM Bl NB -       19.5
Westwood Bl N of SM Bl SB -       18.9
Westwood Bl W of Westholme EB     -       54.9
Westwood Bl W of Westholme WB     -       53.6
Wilshire Bl E of Westwood EB      -       22.9
Wilshire Bl E of Westwood WB      -       31.9
   Wilshire Manning Condominiums         15.Fl         57.2
Westwood Bl N of SM Bl NB -       19.6
Westwood Bl N of SM Bl SB -       19.1
Westwood Bl W of Westholme EB     -       54.7
Westwood Bl W of Westholme WB     -       53.5
Wilshire Bl E of Westwood EB      -       23.9
Wilshire Bl E of Westwood WB      -       31.1
```

No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2 kHz	2 kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz
1	1751 Westwood Boulevard	GF	L(Aeq1h)	23.9	32.2	36.6	38.4	39.2	40.0	40.7	41.9	43.7	45.6	48.3	49.4	46.5	46.3	45.2	47.4	47.8	44.7	41.9	40.6	36.5	32.2	27.5	21.6
1	1751 Westwood Boulevard	1.Fl	L(Aeq1h)	23.6	31.9	36.3	38.1	38.9	39.7	40.4	41.6	43.4	45.4	48.0	49.3	46.4	46.0	45.1	47.2	47.4	44.2	41.4	40.1	36.1	31.4	26.9	20.6
2	10850 Wilshire Boulevard	GF	L(Aeq1h)	26.3	34.5	38.6	40.8	41.8	42.4	43.2	44.7	46.5	48.9	51.4	53.4	51.9	51.8	50.6	50.4	49.6	48.5	45.7	43.1	40.0	36.9	32.1	26.7
2	10850 Wilshire Boulevard	1.Fl	L(Aeq1h)	26.2	34.1	39.0	40.4	41.4	42.2	43.3	44.4	46.2	48.4	51.0	53.2	50.9	51.5	49.8	49.9	49.4	47.6	45.5	41.9	39.9	36.1	32.0	25.9
2	10850 Wilshire Boulevard	2.Fl	L(Aeq1h)	26.2	33.5	38.7	40.4	41.1	42.0	42.9	43.9	46.0	48.0	50.5	52.5	50.6	51.6	49.2	50.0	49.2	47.4	45.1	42.2	39.6	35.9	31.0	25.6
2	10850 Wilshire Boulevard	3.Fl	L(Aeq1h)	26.0	33.2	37.8	40.3	40.8	41.7	42.7	43.8	45.6	48.1	50.3	52.5	50.1	50.7	49.8	49.6	49.1	47.1	44.6	42.0	39.0	35.3	31.2	25.0
2	10850 Wilshire Boulevard	4.Fl	L(Aeq1h)	25.5	33.2	37.4	39.7	40.2	41.8	42.2	43.7	45.6	47.8	50.5	52.0	49.3	51.0	49.0	49.3	49.1	46.7	43.3	41.8	38.4	35.0	30.2	24.3
2	10850 Wilshire Boulevard	5.Fl	L(Aeq1h)	24.9	33.2	37.6	39.3	40.3	41.4	42.1	43.4	45.7	47.7	50.0	52.3	49.5	50.1	48.4	48.7	48.5	46.5	43.4	41.7	38.1	34.7	29.8	23.8
2	10850 Wilshire Boulevard	6.Fl	L(Aeq1h)	24.5	33.0	37.8	39.2	40.2	40.9	41.6	43.0	44.8	47.2	49.7	51.7	50.0	50.2	48.8	48.8	48.4	46.1	42.8	41.4	38.1	34.1	29.1	23.5
2	10850 Wilshire Boulevard	7.Fl	L(Aeq1h)	24.1	32.4	37.7	39.1	39.9	41.0	41.6	43.2	44.9	47.2	49.3	51.7	50.0	50.3	48.8	49.2	48.3	46.1	43.1	41.3	37.7	33.1	28.7	22.8
2	10850 Wilshire Boulevard	8.Fl	L(Aeq1h)	23.9	32.0	37.3	38.7	39.8	40.6	41.2	42.8	44.4	47.0	48.9	51.6	49.5	49.6	49.0	48.6	47.8	45.8	43.1	40.9	37.3	33.1	28.0	22.3
2	10850 Wilshire Boulevard	9.Fl	L(Aeq1h)	24.0	31.6	36.9	38.2	39.7	40.1	41.1	42.8	44.2	46.6	48.9	51.1	48.7	49.3	48.2	48.5	47.7	45.4	42.1	40.7	36.6	32.3	27.6	21.8
2	10850 Wilshire Boulevard	10.Fl	L(Aeq1h)	24.0	31.6	36.6	38.1	39.4	40.1	40.8	42.3	44.1	46.5	48.6	50.7	48.5	49.5	47.9	47.9	47.0	44.9	42.0	40.2	36.3	32.3	27.1	20.3
2	10850 Wilshire Boulevard	11.Fl	L(Aeq1h)	23.9	31.8	36.4	38.1	39.1	39.8	40.5	42.1	43.9	45.9	48.6	50.6	48.3	49.0	47.7	47.5	47.3	44.5	42.6	40.6	36.3	31.8	26.6	19.5
2	10850 Wilshire Boulevard	12.Fl	L(Aeq1h)	23.7	31.8	36.4	37.9	38.8	39.6	40.1	41.9	43.8	45.5	48.2	50.6	48.5	48.3	47.8	48.0	47.2	44.4	41.7	40.0	35.9	32.0	25.9	18.9
3	Wilshire Manning Condominiums	GF	L(Aeq1h)	26.2	34.8	38.8	41.0	41.8	42.6	43.4	44.6	46.7	48.8	50.8	53.1	51.1	50.8	48.9	48.0	47.5	47.2	46.0	42.6	39.1	34.9	30.7	22.7
3	Wilshire Manning Condominiums	1.Fl	L(Aeq1h)	26.0	34.5	38.5	40.8	41.6	42.5	43.3	44.6	46.7	48.8	50.8	52.7	50.6	50.6	48.8	48.1	47.3	47.0	45.4	42.2	38.9	34.5	30.4	22.6
3	Wilshire Manning Condominiums	2.Fl	L(Aeq1h)	25.8	34.2	38.3	40.5	41.3	42.2	42.9	44.5	46.1	48.2	50.4	52.4	50.4	50.5	48.3	47.7	47.1	46.8	45.3	41.7	37.9	34.1	29.7	22.1
3	Wilshire Manning Condominiums	3.Fl	L(Aeq1h)	25.4	33.9	38.0	40.1	40.9	41.8	42.6	44.2	45.9	47.9	50.3	52.5	50.4	50.7	47.7	47.0	47.2	46.2	44.7	41.2	37.8	33.9	29.2	21.9
3	Wilshire Manning Condominiums	4.Fl	L(Aeq1h)	25.2	33.6	37.8	39.9	40.7	41.5	42.4	43.9	45.6	47.4	50.2	51.8	49.9	50.1	47.3	47.2	46.8	46.3	44.4	41.3	37.4	33.3	28.6	21.4
3	Wilshire Manning Condominiums	5.Fl	L(Aeq1h)	25.0	33.4	37.7	39.7	40.4	41.1	42.2	43.6	45.3	47.1	49.7	51.6	49.6	49.6	47.4	47.1	46.7	46.1	44.3	40.6	37.3	33.4	27.5	21.3
3	Wilshire Manning Condominiums	6.Fl	L(Aeq1h)	24.8	33.1	37.5	39.4	40.2	40.8	42.0	43.3	45.1	47.2	49.5	51.2	49.6	49.2	46.9

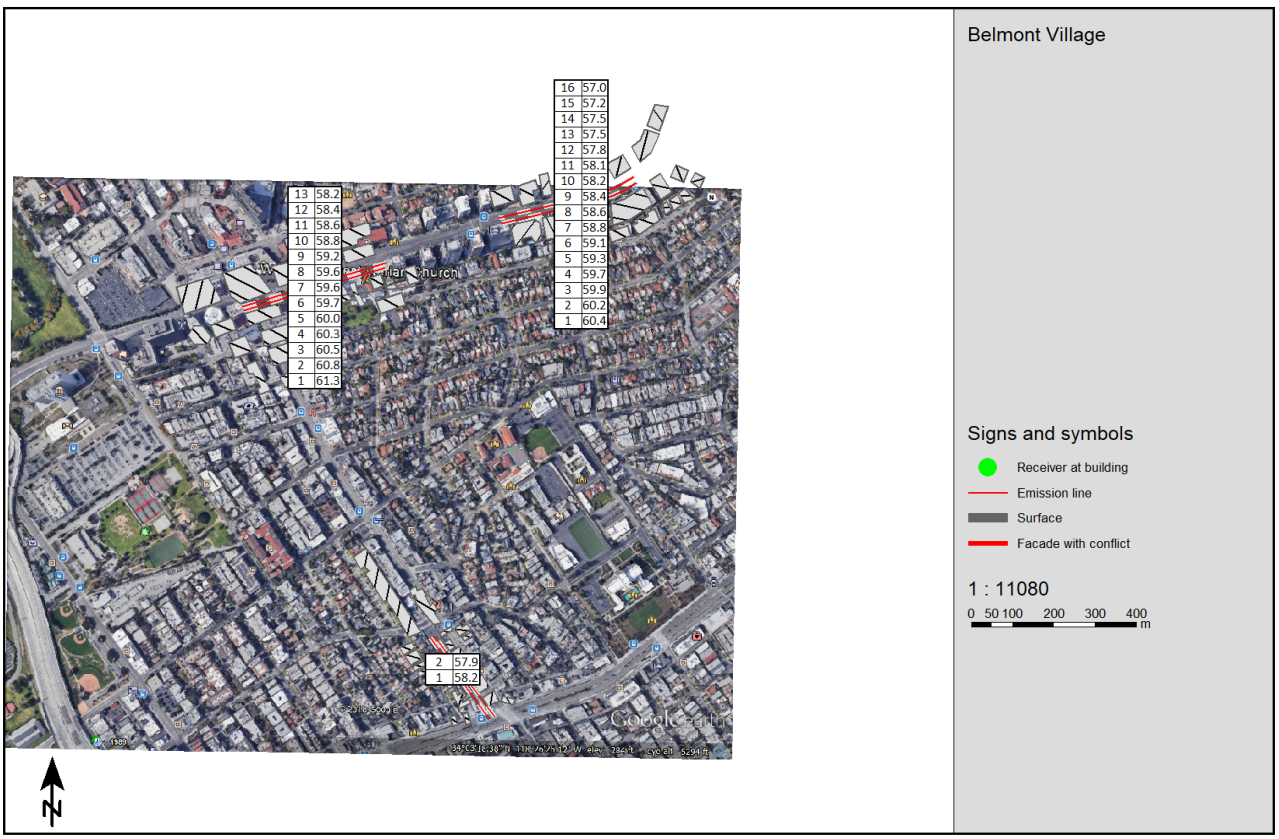
```
46.9    46.7    45.8    44.1    40.6    36.6    32.9    27.4    21.1
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h)24.6    32.8    37.3    39.2
39.9    40.5    41.8    43.1    44.9    46.6    49.2    51.4    48.8    49.2    46.7
47.0    46.2    45.2    43.9    40.3    36.5    32.8    26.2    21.1
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h)24.4    32.6    37.1    39.0
39.7    40.3    41.5    42.8    44.7    46.2    49.0    50.9    49.0    49.2    46.3
46.8    46.2    45.8    43.5    39.7    36.0    32.6    25.8    20.1
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h)24.2    32.4    37.0    38.7
39.5    40.2    41.2    42.5    44.4    46.4    48.9    50.9    48.4    48.6    46.9
46.3    45.9    45.2    43.4    39.5    35.8    32.2    25.2    19.5
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h)24.1    32.2    36.8    38.6
39.3    40.1    41.0    42.3    44.2    46.7    48.6    51.0    48.4    48.6    46.2
46.0    45.9    45.3    43.0    39.1    35.2    32.0    24.8    18.8
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h)23.9    32.0    36.6    38.4
39.1    39.9    40.8    42.2    44.0    46.4    48.4    50.7    47.9    48.0    45.5
45.9    46.2    44.9    42.6    38.6    35.1    31.7    24.3    18.2
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h)23.7    31.9    36.5    38.3
39.0    39.8    40.6    42.1    43.7    46.0    48.4    50.3    47.5    47.7    45.2
45.7    45.7    44.7    42.6    38.4    35.1    31.2    24.0    17.7
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h)23.6    31.7    36.3    38.1
38.9    39.7    40.4    42.0    43.5    45.6    48.4    49.9    48.2    47.3    46.1
45.5    46.2    44.6    42.1    38.1    35.0    31.4    23.7    17.1
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h)23.4    31.5    36.1    37.9
38.8    39.5    40.3    41.9    43.4    45.6    47.8    50.1    47.8    47.2    44.6
44.8    46.0    44.1    41.9    38.0    34.6    30.9    23.2    16.2
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h)23.2    31.4    36.0    37.7
38.7    39.3    40.2    41.8    43.2    45.6    47.3    50.2    46.9    47.0    45.1
45.1    45.6    44.4    41.7    37.7    34.3    30.3    22.1    15.4
```

No.	Receiver name side	Building	Limit Floor dB(A)	Level L(Aeq1h) dB(A)	Conflict L(Aeq1h) dB			
1	1751 Westwood Boulevard	North east		GF	75	57.6	-	
1	1751 Westwood Boulevard	North east		1.Fl	75	57.3	-	
2	10850 Wilshire Boulevard	North	GF	75	61.3	-		
2	10850 Wilshire Boulevard	North	1.Fl	75	60.9	-		
2	10850 Wilshire Boulevard	North	2.Fl	75	60.5	-		
2	10850 Wilshire Boulevard	North	3.Fl	75	60.3	-		
2	10850 Wilshire Boulevard	North	4.Fl	75	60.0	-		
2	10850 Wilshire Boulevard	North	5.Fl	75	59.7	-		
2	10850 Wilshire Boulevard	North	6.Fl	75	59.6	-		
2	10850 Wilshire Boulevard	North	7.Fl	75	59.6	-		
2	10850 Wilshire Boulevard	North	8.Fl	75	59.2	-		
2	10850 Wilshire Boulevard	North	9.Fl	75	58.9	-		
2	10850 Wilshire Boulevard	North	10.Fl	75	58.6	-		
2	10850 Wilshire Boulevard	North	11.Fl	75	58.4	-		
2	10850 Wilshire Boulevard	North	12.Fl	75	58.3	-		
3	Wilshire Manning Condominiums	North	GF	70	60.5	-		
3	Wilshire Manning Condominiums	North	1.Fl	70	60.3	-		
3	Wilshire Manning Condominiums	North	2.Fl	70	60.0	-		
3	Wilshire Manning Condominiums	North	3.Fl	70	59.8	-		
3	Wilshire Manning Condominiums	North	4.Fl	70	59.4	-		
3	Wilshire Manning Condominiums	North	5.Fl	70	59.2	-		
3	Wilshire Manning Condominiums	North	6.Fl	70	58.9	-		
3	Wilshire Manning Condominiums	North	7.Fl	70	58.7	-		
3	Wilshire Manning Condominiums	North	8.Fl	70	58.5	-		
3	Wilshire Manning Condominiums	North	9.Fl	70	58.3	-		
3	Wilshire Manning Condominiums	North	10.Fl	70	58.2	-		
3	Wilshire Manning Condominiums	North	11.Fl	70	57.9	-		
3	Wilshire Manning Condominiums	North	12.Fl	70	57.6	-		
3	Wilshire Manning Condominiums	North	13.Fl	70	57.6	-		
3	Wilshire Manning Condominiums	North	14.Fl	70	57.3	-		
3	Wilshire Manning Condominiums	North	15.Fl	70	57.2	-		

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h	km/h	%		%		
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	44280	Total	-	1845	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44280	Automobiles	-	1845	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44280	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44280	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44280	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44280	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	44280	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	49704	Total	-	2071	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49704	Automobiles	-	2071	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49704	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49704	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49704	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49704	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	49704	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	16128	Total	-	672	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16128	Automobiles	-	672	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16128	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16128	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16128	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16128	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	16128	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	28392	Total	-	1183	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28392	Automobiles	-	1183	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28392	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28392	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28392	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28392	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28392	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

```
0+244    -        -        -        -        -        -
   Westwood Bl W of Westholme WB      Traffic direction:    In entry direction
0+000    28392    Total    -        1183     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    28392    Automobiles      -        1183     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28392    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28392    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28392    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    28392    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28392    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.1 / 5.2
0+101    54264    Total    -        2261     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    54264    Automobiles      -        2261     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54264    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54264    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54264    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    54264    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    54264    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.0
0+342    -        -        -        -        -        -
   Westwood Bl W of Westholme EB      Traffic direction:    In entry direction
0+000    50928    Total    -        2122     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    50928    Automobiles      -        2122     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50928    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50928    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50928    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    50928    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    50928    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) -23.5 / 5.1
0+342    -        -        -        -        -        -
```

TRAFFIC NOISE MODELING
EXISTING PM


16 57.0
15 57.2
14 57.5
13 57.5
12 57.8
11 58.1
10 58.2
9 58.4
8 58.6
7 58.8
6 59.1
5 59.3
4 59.7
3 59.9
2 60.2
1 60.4
13 58.2
12 58.4
11 58.6
10 58.8
9 59.2
8 59.6
7 59.6
6 59.7
5 60.0
4 60.3
3 60.5
2 60.8
1 61.3
2 57.9
1 58.2
Belmont Village
Signs and symbols
Receiver at building
Emission line
Surface
Facade with conflict
1 : 11080
0 50 100 200 300 400
m
N

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard	GF		58.2	
Westwood Bl N of SM Bl NB	–	54.7		
Westwood Bl N of SM Bl SB	–	55.5		
Westwood Bl W of Westholme EB	–		-1.4	
Westwood Bl W of Westholme WB	–		-2.5	
Wilshire Bl E of Westwood EB	–		2.6	
Wilshire Bl E of Westwood WB	–		-0.1	
1751 Westwood Boulevard	1.Fl		57.9	
Westwood Bl N of SM Bl NB	–	54.5		
Westwood Bl N of SM Bl SB	–	55.3		
Westwood Bl W of Westholme EB	–		-1.2	
Westwood Bl W of Westholme WB	–		-2.3	
Wilshire Bl E of Westwood EB	–		2.1	
Wilshire Bl E of Westwood WB	–		-0.7	
10850 Wilshire Boulevard	GF		61.3	
Westwood Bl N of SM Bl NB	–	22.2		
Westwood Bl N of SM Bl SB	–	24.8		
Westwood Bl W of Westholme EB	–		15.6	
Westwood Bl W of Westholme WB	–		19.1	
Wilshire Bl E of Westwood EB	–		59.3	
Wilshire Bl E of Westwood WB	–		57.0	
10850 Wilshire Boulevard	1.Fl		60.8	
Westwood Bl N of SM Bl NB	–	22.5		
Westwood Bl N of SM Bl SB	–	24.9		
Westwood Bl W of Westholme EB	–		15.8	
Westwood Bl W of Westholme WB	–		19.8	
Wilshire Bl E of Westwood EB	–		58.8	
Wilshire Bl E of Westwood WB	–		56.6	
10850 Wilshire Boulevard	2.Fl		60.5	
Westwood Bl N of SM Bl NB	–	22.8		
Westwood Bl N of SM Bl SB	–	24.8		
Westwood Bl W of Westholme EB	–		15.2	
Westwood Bl W of Westholme WB	–		19.9	
Wilshire Bl E of Westwood EB	–		58.5	
Wilshire Bl E of Westwood WB	–		56.2	
10850 Wilshire Boulevard	3.Fl		60.3	
Westwood Bl N of SM Bl NB	–	23.0		
Westwood Bl N of SM Bl SB	–	24.7		
Westwood Bl W of Westholme EB	–		15.5	
Westwood Bl W of Westholme WB	–		19.7	
Wilshire Bl E of Westwood EB	–		58.2	
Wilshire Bl E of Westwood WB	–		56.1	
10850 Wilshire Boulevard	4.Fl		60.0	
Westwood Bl N of SM Bl NB	–	23.3		
Westwood Bl N of SM Bl SB	–	24.9		
Westwood Bl W of Westholme EB	–		15.7	
Westwood Bl W of Westholme WB	–		20.5	
Wilshire Bl E of Westwood EB	–		57.8	
Wilshire Bl E of Westwood WB	–		55.9	
10850 Wilshire Boulevard	5.Fl		59.7	
Westwood Bl N of SM Bl NB	–	23.3		
Westwood Bl N of SM Bl SB	–	25.3		
Westwood Bl W of Westholme EB	–		15.9	
Westwood Bl W of Westholme WB	–		21.0	
Wilshire Bl E of Westwood EB	–		57.6	
Wilshire Bl E of Westwood WB	–		55.7	
10850 Wilshire Boulevard	6.Fl		59.6	
Westwood Bl N of SM Bl NB	–	23.5		
Westwood Bl N of SM Bl SB	–	25.6		
Westwood Bl W of Westholme EB	–		16.2	
Westwood Bl W of Westholme WB	–		21.4	
Wilshire Bl E of Westwood EB	–		57.4	
Wilshire Bl E of Westwood WB	–		55.5	
10850 Wilshire Boulevard	7.Fl		59.6	
Westwood Bl N of SM Bl NB	–	23.7		

```
Westwood Bl N of SM Bl SB -       26.0
Westwood Bl W of Westholme EB     -       17.1
Westwood Bl W of Westholme WB     -       21.6
Wilshire Bl E of Westwood EB      -       57.4
Wilshire Bl E of Westwood WB      -       55.4
   10850 Wilshire Boulevard        8.Fl         59.2
Westwood Bl N of SM Bl NB -       23.9
Westwood Bl N of SM Bl SB -       26.0
Westwood Bl W of Westholme EB     -       16.3
Westwood Bl W of Westholme WB     -       22.2
Wilshire Bl E of Westwood EB      -       57.2
Wilshire Bl E of Westwood WB      -       55.0
   10850 Wilshire Boulevard        9.Fl         58.8
Westwood Bl N of SM Bl NB -       24.2
Westwood Bl N of SM Bl SB -       25.8
Westwood Bl W of Westholme EB     -       16.5
Westwood Bl W of Westholme WB     -       22.3
Wilshire Bl E of Westwood EB      -       56.7
Wilshire Bl E of Westwood WB      -       54.7
   10850 Wilshire Boulevard       10.Fl         58.6
Westwood Bl N of SM Bl NB -       24.4
Westwood Bl N of SM Bl SB -       25.7
Westwood Bl W of Westholme EB     -       17.4
Westwood Bl W of Westholme WB     -       22.9
Wilshire Bl E of Westwood EB      -       56.5
Wilshire Bl E of Westwood WB      -       54.4
   10850 Wilshire Boulevard       11.Fl         58.4
Westwood Bl N of SM Bl NB -       24.5
Westwood Bl N of SM Bl SB -       25.9
Westwood Bl W of Westholme EB     -       17.5
Westwood Bl W of Westholme WB     -       23.4
Wilshire Bl E of Westwood EB      -       56.3
Wilshire Bl E of Westwood WB      -       54.1
   10850 Wilshire Boulevard       12.Fl         58.2
Westwood Bl N of SM Bl NB -       24.6
Westwood Bl N of SM Bl SB -       26.2
Westwood Bl W of Westholme EB     -       17.5
Westwood Bl W of Westholme WB     -       24.2
Wilshire Bl E of Westwood EB      -       56.1
Wilshire Bl E of Westwood WB      -       54.2
   Wilshire Manning Condominiums       GF         60.4
Westwood Bl N of SM Bl NB -       13.3
Westwood Bl N of SM Bl SB -       12.6
Westwood Bl W of Westholme EB     -       58.5
Westwood Bl W of Westholme WB     -       55.8
Wilshire Bl E of Westwood EB      -       16.4
Wilshire Bl E of Westwood WB      -       16.3
   Wilshire Manning Condominiums       1.Fl         60.2
Westwood Bl N of SM Bl NB -       13.5
Westwood Bl N of SM Bl SB -       12.8
Westwood Bl W of Westholme EB     -       58.3
Westwood Bl W of Westholme WB     -       55.6
Wilshire Bl E of Westwood EB      -       17.4
Wilshire Bl E of Westwood WB      -       16.1
   Wilshire Manning Condominiums       2.Fl         59.9
Westwood Bl N of SM Bl NB -       14.0
Westwood Bl N of SM Bl SB -       13.8
Westwood Bl W of Westholme EB     -       57.9
Westwood Bl W of Westholme WB     -       55.4
Wilshire Bl E of Westwood EB      -       18.5
Wilshire Bl E of Westwood WB      -       16.8
   Wilshire Manning Condominiums       3.Fl         59.7
Westwood Bl N of SM Bl NB -       14.4
Westwood Bl N of SM Bl SB -       14.7
Westwood Bl W of Westholme EB     -       57.9
Westwood Bl W of Westholme WB     -       55.0
Wilshire Bl E of Westwood EB      -       17.9
Wilshire Bl E of Westwood WB      -       17.5
```

```
   Wilshire Manning Condominiums         4.Fl         59.3
Westwood Bl N of SM Bl NB -       15.2
Westwood Bl N of SM Bl SB -       16.0
Westwood Bl W of Westholme EB     -       57.5
Westwood Bl W of Westholme WB     -       54.7
Wilshire Bl E of Westwood EB      -       18.9
Wilshire Bl E of Westwood WB      -       18.2
   Wilshire Manning Condominiums         5.Fl         59.1
Westwood Bl N of SM Bl NB -       15.9
Westwood Bl N of SM Bl SB -       17.2
Westwood Bl W of Westholme EB     -       57.4
Westwood Bl W of Westholme WB     -       54.2
Wilshire Bl E of Westwood EB      -       19.7
Wilshire Bl E of Westwood WB      -       18.7
   Wilshire Manning Condominiums         6.Fl         58.8
Westwood Bl N of SM Bl NB -       16.7
Westwood Bl N of SM Bl SB -       18.7
Westwood Bl W of Westholme EB     -       57.1
Westwood Bl W of Westholme WB     -       54.0
Wilshire Bl E of Westwood EB      -       20.4
Wilshire Bl E of Westwood WB      -       19.4
   Wilshire Manning Condominiums         7.Fl         58.6
Westwood Bl N of SM Bl NB -       17.8
Westwood Bl N of SM Bl SB -       19.8
Westwood Bl W of Westholme EB     -       56.7
Westwood Bl W of Westholme WB     -       54.0
Wilshire Bl E of Westwood EB      -       18.3
Wilshire Bl E of Westwood WB      -       20.0
   Wilshire Manning Condominiums         8.Fl         58.4
Westwood Bl N of SM Bl NB -       18.1
Westwood Bl N of SM Bl SB -       20.1
Westwood Bl W of Westholme EB     -       56.6
Westwood Bl W of Westholme WB     -       53.8
Wilshire Bl E of Westwood EB      -       19.3
Wilshire Bl E of Westwood WB      -       20.8
   Wilshire Manning Condominiums         9.Fl         58.2
Westwood Bl N of SM Bl NB -       18.4
Westwood Bl N of SM Bl SB -       20.4
Westwood Bl W of Westholme EB     -       56.4
Westwood Bl W of Westholme WB     -       53.5
Wilshire Bl E of Westwood EB      -       19.8
Wilshire Bl E of Westwood WB      -       20.8
   Wilshire Manning Condominiums         10.Fl         58.1
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       20.7
Westwood Bl W of Westholme EB     -       56.3
Westwood Bl W of Westholme WB     -       53.4
Wilshire Bl E of Westwood EB      -       21.1
Wilshire Bl E of Westwood WB      -       21.6
   Wilshire Manning Condominiums         11.Fl         57.8
Westwood Bl N of SM Bl NB -       18.4
Westwood Bl N of SM Bl SB -       20.8
Westwood Bl W of Westholme EB     -       56.0
Westwood Bl W of Westholme WB     -       53.1
Wilshire Bl E of Westwood EB      -       22.6
Wilshire Bl E of Westwood WB      -       23.2
   Wilshire Manning Condominiums         12.Fl         57.5
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       21.0
Westwood Bl W of Westholme EB     -       55.7
Westwood Bl W of Westholme WB     -       52.8
Wilshire Bl E of Westwood EB      -       22.5
Wilshire Bl E of Westwood WB      -       24.5
   Wilshire Manning Condominiums         13.Fl         57.5
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       21.0
Westwood Bl W of Westholme EB     -       55.7
Westwood Bl W of Westholme WB     -       52.8
```

Wilshire Bl E of Westwood EB	–	22.3		
Wilshire Bl E of Westwood WB	–	26.1		
Wilshire Manning Condominiums		14.Fl		57.2
Westwood Bl N of SM Bl NB	–	18.8		
Westwood Bl N of SM Bl SB	–	21.0		
Westwood Bl W of Westholme EB	–	55.2		
Westwood Bl W of Westholme WB	–	52.8		
Wilshire Bl E of Westwood EB	–	23.2		
Wilshire Bl E of Westwood WB	–	31.5		
Wilshire Manning Condominiums		15.Fl		57.0
Westwood Bl N of SM Bl NB	–	18.9		
Westwood Bl N of SM Bl SB	–	21.2		
Westwood Bl W of Westholme EB	–	55.0		
Westwood Bl W of Westholme WB	–	52.7		
Wilshire Bl E of Westwood EB	–	24.2		
Wilshire Bl E of Westwood WB	–	30.7		

No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	
200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2 kHz	2
kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz					
1	1751 Westwood Boulevard		GF	L(Aeq1h)	24.4	32.7	37.1	39.0	39.8		
40.6	41.3	42.5	44.3	46.1	48.8	50.0	47.0	47.0	45.8	48.2	
48.4	45.1	42.6	41.2	37.1	32.8	27.9	22.2				
1	1751 Westwood Boulevard		1.Fl	L(Aeq1h)	24.1	32.4	36.8	38.7	39.5		
40.3	41.0	42.2	44.0	45.9	48.5	50.0	46.9	46.6	45.6	47.9	
48.1	44.6	42.0	40.6	36.8	32.0	27.4	21.3				
2	10850 Wilshire Boulevard		GF	L(Aeq1h)	26.3	34.6	38.7	40.8	41.8		
42.4	43.2	44.7	46.5	48.9	51.4	53.3	51.8	51.8	50.6	50.4	
49.7	48.5	45.7	43.1	40.1	37.0	32.2	26.8				
2	10850 Wilshire Boulevard		1.Fl	L(Aeq1h)	26.2	34.1	39.0	40.4	41.4		
42.2	43.3	44.4	46.2	48.4	51.0	53.2	50.9	51.4	49.7	49.9	
49.4	47.6	45.5	42.0	39.9	36.1	32.0	26.0				
2	10850 Wilshire Boulevard		2.Fl	L(Aeq1h)	26.1	33.5	38.7	40.4	41.1		
42.0	42.9	43.9	46.0	48.0	50.5	52.5	50.6	51.6	49.2	50.0	
49.2	47.4	45.0	42.3	39.7	36.0	31.0	25.7				
2	10850 Wilshire Boulevard		3.Fl	L(Aeq1h)	26.0	33.2	37.8	40.3	40.8		
41.7	42.7	43.9	45.6	48.1	50.3	52.4	50.0	50.7	49.8	49.6	
49.1	47.1	44.6	42.1	39.0	35.4	31.2	25.1				
2	10850 Wilshire Boulevard		4.Fl	L(Aeq1h)	25.5	33.2	37.4	39.7	40.2		
41.8	42.2	43.7	45.5	47.8	50.5	52.0	49.3	50.9	49.0	49.3	
49.2	46.7	43.3	41.9	38.4	35.1	30.3	24.4				
2	10850 Wilshire Boulevard		5.Fl	L(Aeq1h)	24.9	33.2	37.6	39.3	40.3		
41.4	42.1	43.4	45.7	47.7	49.9	52.3	49.4	50.1	48.3	48.6	
48.5	46.5	43.4	41.8	38.1	34.7	29.9	23.9				
2	10850 Wilshire Boulevard		6.Fl	L(Aeq1h)	24.5	33.0	37.8	39.2	40.2		
40.9	41.6	43.0	44.8	47.2	49.7	51.7	50.0	50.1	48.8	48.8	
48.4	46.0	42.8	41.5	38.1	34.2	29.1	23.6				
2	10850 Wilshire Boulevard		7.Fl	L(Aeq1h)	24.1	32.4	37.7	39.1	39.9		
41.0	41.6	43.2	44.9	47.2	49.3	51.7	50.0	50.2	48.7	49.2	
48.3	46.0	43.0	41.3	37.6	33.2	28.8	22.9				
2	10850 Wilshire Boulevard		8.Fl	L(Aeq1h)	24.0	32.0	37.3	38.7	39.8		
40.6	41.3	42.8	44.4	46.9	48.9	51.6	49.5	49.6	49.0	48.6	
47.8	45.8	43.1	40.9	37.3	33.1	28.0	22.4				
2	10850 Wilshire Boulevard		9.Fl	L(Aeq1h)	24.1	31.6	36.9	38.2	39.7		
40.1	41.1	42.8	44.2	46.6	48.9	51.1	48.7	49.3	48.2	48.5	
47.7	45.4	42.1	40.7	36.6	32.3	27.6	21.8				
2	10850 Wilshire Boulevard		10.Fl	L(Aeq1h)	24.0	31.6	36.6	38.1	39.4		
40.1	40.8	42.3	44.1	46.4	48.5	50.6	48.5	49.5	47.9	47.9	
47.1	44.9	42.0	40.3	36.3	32.4	27.1	20.4				
2	10850 Wilshire Boulevard		11.Fl	L(Aeq1h)	23.9	31.7	36.4	38.1	39.1		
39.8	40.5	42.1	43.9	45.9	48.6	50.6	48.3	49.0	47.7	47.5	
47.3	44.5	42.6	40.6	36.2	31.9	26.7	19.6				
2	10850 Wilshire Boulevard		12.Fl	L(Aeq1h)	23.7	31.8	36.4	37.9	38.8		
39.6	40.1	41.9	43.8	45.6	48.1	50.6	48.4	48.3	47.8	48.0	
47.2	44.4	41.7	40.0	35.9	32.0	25.9	18.9				
3	Wilshire Manning Condominiums		GF	L(Aeq1h)	26.0	34.6	38.6	40.8			
41.6	42.4	43.2	44.4	46.6	48.7	50.6	53.0	50.9	50.7	48.9	
48.1	47.5	47.0	45.8	42.5	39.0	34.9	30.5	22.6			
3	Wilshire Manning Condominiums		1.Fl	L(Aeq1h)	25.8	34.3	38.3	40.6			
41.3	42.3	43.1	44.4	46.5	48.6	50.6	52.5	50.5	50.6	48.9	
48.2	47.3	46.8	45.2	42.1	38.8	34.5	30.2	22.5			
3	Wilshire Manning Condominiums		2.Fl	L(Aeq1h)	25.5	34.0	38.0	40.3			
41.1	42.0	42.7	44.3	46.0	48.1	50.3	52.2	50.3	50.4	48.3	
47.8	47.1	46.6	45.1	41.6	37.7	34.1	29.5	21.8			
3	Wilshire Manning Condominiums		3.Fl	L(Aeq1h)	25.2	33.6	37.8	39.9			
40.7	41.6	42.3	44.0	45.7	47.7	50.2	52.4	50.3	50.6	47.8	
47.1	47.2	46.0	44.5	41.1	37.7	33.8	29.0	21.6			
3	Wilshire Manning Condominiums		4.Fl	L(Aeq1h)	24.9	33.4	37.6	39.7			
40.5	41.2	42.1	43.7	45.5	47.2	50.1	51.7	49.8	50.1	47.3	
47.2	46.7	46.1	44.2	41.3	37.2	33.2	28.5	21.1			
3	Wilshire Manning Condominiums		5.Fl	L(Aeq1h)	24.8	33.1	37.5	39.4			
40.2	40.9	42.0	43.4	45.1	46.9	49.5	51.5	49.5	49.6	47.5	
47.2	46.6	45.9	44.1	40.5	37.1	33.3	27.4	21.1			
3	Wilshire Manning Condominiums		6.Fl	L(Aeq1h)	24.5	32.8	37.2	39.2			
40.0	40.5	41.8	43.1	44.9	47.1	49.4	51.0	49.6	49.2	47.0	

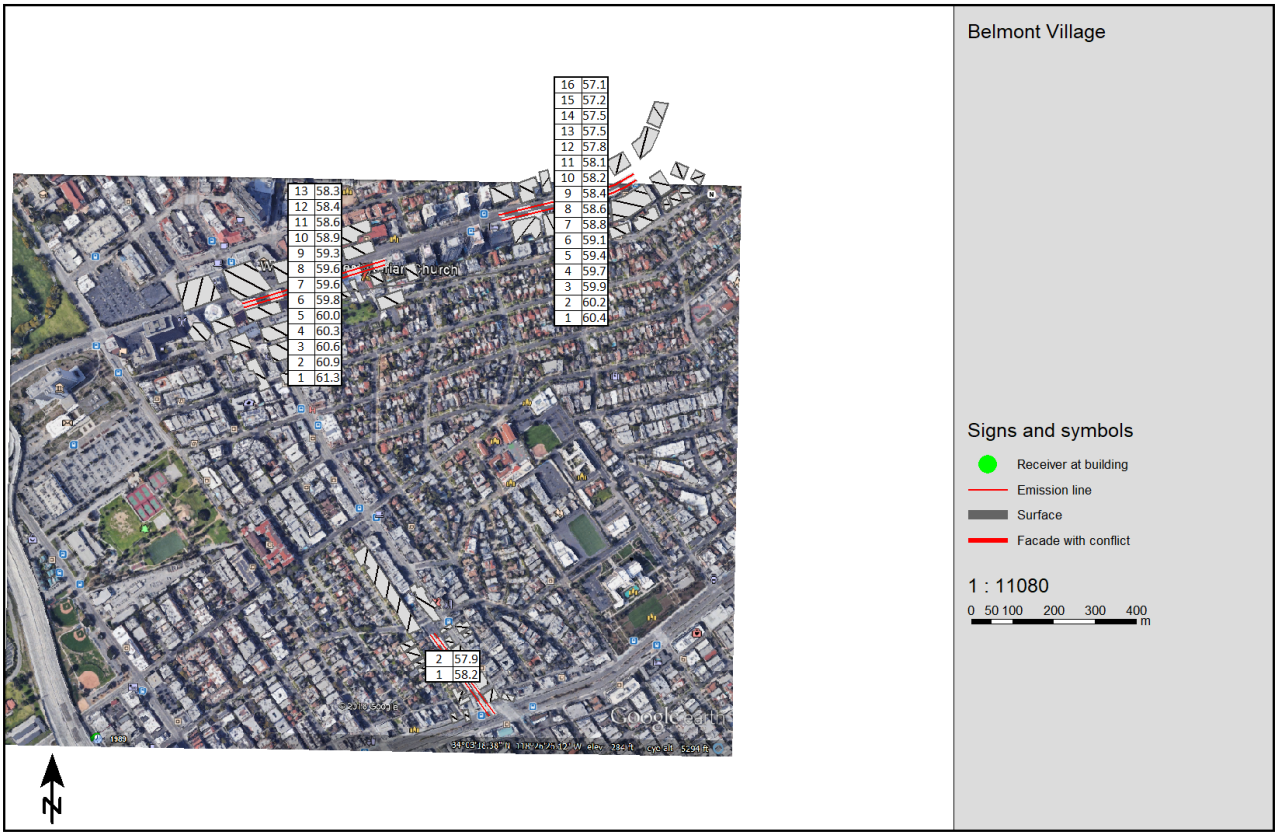
```
46.9    46.6    45.5    43.9    40.5    36.4    32.8    27.4    20.9
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h) 24.4   32.6    37.1    39.0
39.7    40.3    41.6    42.9    44.7    46.5    49.0    51.3    48.7    49.2    46.8
47.1    46.1    44.9    43.8    40.2    36.3    32.7    26.1    21.0
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h) 24.2   32.4    36.9    38.7
39.5    40.1    41.3    42.7    44.5    46.0    48.9    50.8    48.9    49.1    46.4
46.9    46.0    45.6    43.3    39.6    35.8    32.5    25.8    20.0
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h) 24.0   32.1    36.8    38.5
39.2    40.0    41.0    42.4    44.2    46.2    48.8    50.8    48.2    48.5    46.9
46.4    45.8    44.9    43.3    39.4    35.6    32.1    25.2    19.4
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h) 23.8   32.0    36.6    38.3
39.1    39.9    40.8    42.1    43.9    46.5    48.5    50.9    48.3    48.5    46.3
46.0    45.8    45.0    42.8    39.0    35.0    31.9    24.8    18.7
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h) 23.6   31.8    36.4    38.2
38.9    39.7    40.6    42.0    43.7    46.2    48.3    50.6    47.8    47.9    45.6
45.9    46.0    44.6    42.4    38.5    34.9    31.5    24.4    18.2
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h) 23.5   31.6    36.3    38.0
38.7    39.6    40.4    41.9    43.5    45.8    48.2    50.3    47.5    47.7    45.3
45.7    45.5    44.4    42.4    38.3    34.9    31.0    24.1    17.6
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h) 23.3   31.5    36.1    37.8
38.7    39.4    40.2    41.8    43.3    45.4    48.3    49.8    48.1    47.3    46.2
45.5    46.0    44.3    42.0    37.9    34.9    31.2    23.7    17.1
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h) 23.2   31.3    35.9    37.6
38.5    39.3    40.1    41.7    43.2    45.3    47.6    50.0    47.8    47.2    44.6
44.7    45.9    43.7    41.7    37.9    34.4    30.8    23.1    16.2
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h) 23.0   31.1    35.8    37.5
38.4    39.1    40.0    41.6    43.0    45.4    47.1    50.0    46.8    46.9    45.3
45.1    45.4    44.1    41.6    37.6    34.1    30.1    22.0    15.4
```

No.	Receiver name	Building side	Limit Floor dB(A)	Level L(Aeq1h) dB(A)	Conflict L(Aeq1h) dB	L(Aeq1h)		
1	1751 Westwood Boulevard	North east		GF	75	58.2	–	
1	1751 Westwood Boulevard	North east		1.Fl	75	57.9	–	
2	10850 Wilshire Boulevard	North	GF	75	61.3	–		
2	10850 Wilshire Boulevard	North	1.Fl	75	60.8	–		
2	10850 Wilshire Boulevard	North	2.Fl	75	60.5	–		
2	10850 Wilshire Boulevard	North	3.Fl	75	60.3	–		
2	10850 Wilshire Boulevard	North	4.Fl	75	60.0	–		
2	10850 Wilshire Boulevard	North	5.Fl	75	59.7	–		
2	10850 Wilshire Boulevard	North	6.Fl	75	59.6	–		
2	10850 Wilshire Boulevard	North	7.Fl	75	59.6	–		
2	10850 Wilshire Boulevard	North	8.Fl	75	59.2	–		
2	10850 Wilshire Boulevard	North	9.Fl	75	58.8	–		
2	10850 Wilshire Boulevard	North	10.Fl	75	58.6	–		
2	10850 Wilshire Boulevard	North	11.Fl	75	58.4	–		
2	10850 Wilshire Boulevard	North	12.Fl	75	58.2	–		
3	Wilshire Manning Condominiums	North	GF	70	60.4	–		
3	Wilshire Manning Condominiums	North	1.Fl	70	60.2	–		
3	Wilshire Manning Condominiums	North	2.Fl	70	59.9	–		
3	Wilshire Manning Condominiums	North	3.Fl	70	59.7	–		
3	Wilshire Manning Condominiums	North	4.Fl	70	59.3	–		
3	Wilshire Manning Condominiums	North	5.Fl	70	59.1	–		
3	Wilshire Manning Condominiums	North	6.Fl	70	58.8	–		
3	Wilshire Manning Condominiums	North	7.Fl	70	58.6	–		
3	Wilshire Manning Condominiums	North	8.Fl	70	58.4	–		
3	Wilshire Manning Condominiums	North	9.Fl	70	58.2	–		
3	Wilshire Manning Condominiums	North	10.Fl	70	58.1	–		
3	Wilshire Manning Condominiums	North	11.Fl	70	57.8	–		
3	Wilshire Manning Condominiums	North	12.Fl	70	57.5	–		
3	Wilshire Manning Condominiums	North	13.Fl	70	57.5	–		
3	Wilshire Manning Condominiums	North	14.Fl	70	57.2	–		
3	Wilshire Manning Condominiums	North	15.Fl	70	57.0	–		

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h	km/h	%		%		
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	40272	Total	-	1678	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40272	Automobiles	-	1678	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40272	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40272	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40272	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40272	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40272	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	52608	Total	-	2192	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52608	Automobiles	-	2192	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52608	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52608	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52608	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52608	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52608	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	26376	Total	-	1099	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26376	Automobiles	-	1099	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26376	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26376	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26376	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26376	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26376	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	23976	Total	-	999	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	23976	Automobiles	-	999	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	23976	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	23976	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	23976	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	23976	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	23976	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

0+244 – – – – – –
Westwood Bl W of Westholme WB Traffic direction: In entry direction
0+000 23976 Total – 999 – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 23976 Automobiles – 999 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 23976 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 23976 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 23976 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 23976 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 23976 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+101 44760 Total – 1865 – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 44760 Automobiles – 1865 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 44760 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 44760 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 44760 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 44760 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 44760 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+342 – – – – – –
Westwood Bl W of Westholme EB Traffic direction: In entry direction
0+000 54888 Total – 2287 – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 54888 Automobiles – 2287 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 54888 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 54888 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 54888 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 54888 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 54888 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+342 – – – – – –

TRAFFIC NOISE MODELING
EXISTING+PROJECT PM


16 57.1
15 57.2
14 57.5
13 57.5
12 57.8
11 58.1
10 58.2
9 58.4
8 58.6
7 58.8
6 59.1
5 59.4
4 59.7
3 59.9
2 60.2
1 60.4
13 58.3
12 58.4
11 58.6
10 58.9
9 59.3
8 59.6
7 59.6
6 59.8
5 60.0
4 60.3
3 60.6
2 60.9
1 61.3
2 57.9
1 58.2
Belmont Village
Signs and symbols
Receiver at building
Emission line
Surface
Facade with conflict
1 : 11080
0 50 100 200 300 400
m
N

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard	GF	58.2		
Westwood Bl N of SM Bl NB	–	54.7		
Westwood Bl N of SM Bl SB	–	55.5		
Westwood Bl W of Westholme EB	–		-1.4	
Westwood Bl W of Westholme WB	–		-2.5	
Wilshire Bl E of Westwood EB	–		2.7	
Wilshire Bl E of Westwood WB	–		-0.1	
1751 Westwood Boulevard	1.Fl	57.9		
Westwood Bl N of SM Bl NB	–	54.5		
Westwood Bl N of SM Bl SB	–	55.3		
Westwood Bl W of Westholme EB	–		-1.2	
Westwood Bl W of Westholme WB	–		-2.3	
Wilshire Bl E of Westwood EB	–		2.1	
Wilshire Bl E of Westwood WB	–		-0.7	
10850 Wilshire Boulevard	GF	61.3		
Westwood Bl N of SM Bl NB	–	22.3		
Westwood Bl N of SM Bl SB	–	24.8		
Westwood Bl W of Westholme EB	–		15.6	
Westwood Bl W of Westholme WB	–		19.1	
Wilshire Bl E of Westwood EB	–		59.3	
Wilshire Bl E of Westwood WB	–		57.0	
10850 Wilshire Boulevard	1.Fl	60.9		
Westwood Bl N of SM Bl NB	–	22.5		
Westwood Bl N of SM Bl SB	–	24.9		
Westwood Bl W of Westholme EB	–		15.8	
Westwood Bl W of Westholme WB	–		19.9	
Wilshire Bl E of Westwood EB	–		58.8	
Wilshire Bl E of Westwood WB	–		56.6	
10850 Wilshire Boulevard	2.Fl	60.6		
Westwood Bl N of SM Bl NB	–	22.8		
Westwood Bl N of SM Bl SB	–	24.9		
Westwood Bl W of Westholme EB	–		15.3	
Westwood Bl W of Westholme WB	–		19.9	
Wilshire Bl E of Westwood EB	–		58.6	
Wilshire Bl E of Westwood WB	–		56.2	
10850 Wilshire Boulevard	3.Fl	60.3		
Westwood Bl N of SM Bl NB	–	23.0		
Westwood Bl N of SM Bl SB	–	24.7		
Westwood Bl W of Westholme EB	–		15.5	
Westwood Bl W of Westholme WB	–		19.7	
Wilshire Bl E of Westwood EB	–		58.2	
Wilshire Bl E of Westwood WB	–		56.1	
10850 Wilshire Boulevard	4.Fl	60.0		
Westwood Bl N of SM Bl NB	–	23.3		
Westwood Bl N of SM Bl SB	–	24.9		
Westwood Bl W of Westholme EB	–		15.8	
Westwood Bl W of Westholme WB	–		20.5	
Wilshire Bl E of Westwood EB	–		57.9	
Wilshire Bl E of Westwood WB	–		55.9	
10850 Wilshire Boulevard	5.Fl	59.8		
Westwood Bl N of SM Bl NB	–	23.3		
Westwood Bl N of SM Bl SB	–	25.3		
Westwood Bl W of Westholme EB	–		15.9	
Westwood Bl W of Westholme WB	–		21.0	
Wilshire Bl E of Westwood EB	–		57.6	
Wilshire Bl E of Westwood WB	–		55.7	
10850 Wilshire Boulevard	6.Fl	59.6		
Westwood Bl N of SM Bl NB	–	23.5		
Westwood Bl N of SM Bl SB	–	25.7		
Westwood Bl W of Westholme EB	–		16.2	
Westwood Bl W of Westholme WB	–		21.4	
Wilshire Bl E of Westwood EB	–		57.4	
Wilshire Bl E of Westwood WB	–		55.5	
10850 Wilshire Boulevard	7.Fl	59.6		
Westwood Bl N of SM Bl NB	–	23.7		

```
Westwood Bl N of SM Bl SB -       26.0
Westwood Bl W of Westholme EB     -       17.1
Westwood Bl W of Westholme WB     -       21.6
Wilshire Bl E of Westwood EB      -       57.5
Wilshire Bl E of Westwood WB      -       55.5
   10850 Wilshire Boulevard        8.Fl         59.3
Westwood Bl N of SM Bl NB -       23.9
Westwood Bl N of SM Bl SB -       26.0
Westwood Bl W of Westholme EB     -       16.4
Westwood Bl W of Westholme WB     -       22.3
Wilshire Bl E of Westwood EB      -       57.2
Wilshire Bl E of Westwood WB      -       55.0
   10850 Wilshire Boulevard        9.Fl         58.9
Westwood Bl N of SM Bl NB -       24.2
Westwood Bl N of SM Bl SB -       25.8
Westwood Bl W of Westholme EB     -       16.6
Westwood Bl W of Westholme WB     -       22.3
Wilshire Bl E of Westwood EB      -       56.8
Wilshire Bl E of Westwood WB      -       54.7
   10850 Wilshire Boulevard       10.Fl         58.6
Westwood Bl N of SM Bl NB -       24.4
Westwood Bl N of SM Bl SB -       25.7
Westwood Bl W of Westholme EB     -       17.5
Westwood Bl W of Westholme WB     -       22.9
Wilshire Bl E of Westwood EB      -       56.5
Wilshire Bl E of Westwood WB      -       54.4
   10850 Wilshire Boulevard       11.Fl         58.4
Westwood Bl N of SM Bl NB -       24.5
Westwood Bl N of SM Bl SB -       25.9
Westwood Bl W of Westholme EB     -       17.5
Westwood Bl W of Westholme WB     -       23.5
Wilshire Bl E of Westwood EB      -       56.3
Wilshire Bl E of Westwood WB      -       54.2
   10850 Wilshire Boulevard       12.Fl         58.3
Westwood Bl N of SM Bl NB -       24.6
Westwood Bl N of SM Bl SB -       26.2
Westwood Bl W of Westholme EB     -       17.6
Westwood Bl W of Westholme WB     -       24.3
Wilshire Bl E of Westwood EB      -       56.1
Wilshire Bl E of Westwood WB      -       54.2
   Wilshire Manning Condominiums       GF         60.4
Westwood Bl N of SM Bl NB -       13.3
Westwood Bl N of SM Bl SB -       12.6
Westwood Bl W of Westholme EB     -       58.5
Westwood Bl W of Westholme WB     -       55.9
Wilshire Bl E of Westwood EB      -       16.5
Wilshire Bl E of Westwood WB      -       16.3
   Wilshire Manning Condominiums       1.Fl         60.2
Westwood Bl N of SM Bl NB -       13.5
Westwood Bl N of SM Bl SB -       12.8
Westwood Bl W of Westholme EB     -       58.3
Westwood Bl W of Westholme WB     -       55.6
Wilshire Bl E of Westwood EB      -       17.4
Wilshire Bl E of Westwood WB      -       16.2
   Wilshire Manning Condominiums       2.Fl         59.9
Westwood Bl N of SM Bl NB -       14.0
Westwood Bl N of SM Bl SB -       13.8
Westwood Bl W of Westholme EB     -       58.0
Westwood Bl W of Westholme WB     -       55.4
Wilshire Bl E of Westwood EB      -       18.5
Wilshire Bl E of Westwood WB      -       16.8
   Wilshire Manning Condominiums       3.Fl         59.7
Westwood Bl N of SM Bl NB -       14.4
Westwood Bl N of SM Bl SB -       14.7
Westwood Bl W of Westholme EB     -       57.9
Westwood Bl W of Westholme WB     -       55.0
Wilshire Bl E of Westwood EB      -       17.9
Wilshire Bl E of Westwood WB      -       17.5
```

```
   Wilshire Manning Condominiums         4.Fl         59.4
Westwood Bl N of SM Bl NB -       15.3
Westwood Bl N of SM Bl SB -       16.0
Westwood Bl W of Westholme EB     -       57.5
Westwood Bl W of Westholme WB     -       54.7
Wilshire Bl E of Westwood EB      -       19.0
Wilshire Bl E of Westwood WB      -       18.3
   Wilshire Manning Condominiums         5.Fl         59.1
Westwood Bl N of SM Bl NB -       15.9
Westwood Bl N of SM Bl SB -       17.2
Westwood Bl W of Westholme EB     -       57.4
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       19.7
Wilshire Bl E of Westwood WB      -       18.7
   Wilshire Manning Condominiums         6.Fl         58.8
Westwood Bl N of SM Bl NB -       16.8
Westwood Bl N of SM Bl SB -       18.7
Westwood Bl W of Westholme EB     -       57.1
Westwood Bl W of Westholme WB     -       54.1
Wilshire Bl E of Westwood EB      -       20.4
Wilshire Bl E of Westwood WB      -       19.4
   Wilshire Manning Condominiums         7.Fl         58.6
Westwood Bl N of SM Bl NB -       17.8
Westwood Bl N of SM Bl SB -       19.8
Westwood Bl W of Westholme EB     -       56.8
Westwood Bl W of Westholme WB     -       54.1
Wilshire Bl E of Westwood EB      -       18.3
Wilshire Bl E of Westwood WB      -       20.0
   Wilshire Manning Condominiums         8.Fl         58.4
Westwood Bl N of SM Bl NB -       18.1
Westwood Bl N of SM Bl SB -       20.2
Westwood Bl W of Westholme EB     -       56.6
Westwood Bl W of Westholme WB     -       53.9
Wilshire Bl E of Westwood EB      -       19.3
Wilshire Bl E of Westwood WB      -       20.8
   Wilshire Manning Condominiums         9.Fl         58.2
Westwood Bl N of SM Bl NB -       18.4
Westwood Bl N of SM Bl SB -       20.4
Westwood Bl W of Westholme EB     -       56.4
Westwood Bl W of Westholme WB     -       53.5
Wilshire Bl E of Westwood EB      -       19.9
Wilshire Bl E of Westwood WB      -       20.8
   Wilshire Manning Condominiums         10.Fl         58.1
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       20.7
Westwood Bl W of Westholme EB     -       56.3
Westwood Bl W of Westholme WB     -       53.4
Wilshire Bl E of Westwood EB      -       21.1
Wilshire Bl E of Westwood WB      -       21.6
   Wilshire Manning Condominiums         11.Fl         57.8
Westwood Bl N of SM Bl NB -       18.4
Westwood Bl N of SM Bl SB -       20.8
Westwood Bl W of Westholme EB     -       56.0
Westwood Bl W of Westholme WB     -       53.2
Wilshire Bl E of Westwood EB      -       22.6
Wilshire Bl E of Westwood WB      -       23.2
   Wilshire Manning Condominiums         12.Fl         57.5
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       21.0
Westwood Bl W of Westholme EB     -       55.7
Westwood Bl W of Westholme WB     -       52.9
Wilshire Bl E of Westwood EB      -       22.5
Wilshire Bl E of Westwood WB      -       24.5
   Wilshire Manning Condominiums         13.Fl         57.5
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       21.0
Westwood Bl W of Westholme EB     -       55.7
Westwood Bl W of Westholme WB     -       52.9
```

Wilshire Bl E of Westwood EB	-	22.3		
Wilshire Bl E of Westwood WB	-	26.1		
Wilshire Manning Condominiums		14.Fl		57.2
Westwood Bl N of SM Bl NB	-	18.8		
Westwood Bl N of SM Bl SB	-	21.0		
Westwood Bl W of Westholme EB	-	55.2		
Westwood Bl W of Westholme WB	-	52.8		
Wilshire Bl E of Westwood EB	-	23.2		
Wilshire Bl E of Westwood WB	-	31.5		
Wilshire Manning Condominiums		15.Fl		57.1
Westwood Bl N of SM Bl NB	-	18.9		
Westwood Bl N of SM Bl SB	-	21.2		
Westwood Bl W of Westholme EB	-	55.1		
Westwood Bl W of Westholme WB	-	52.7		
Wilshire Bl E of Westwood EB	-	24.2		
Wilshire Bl E of Westwood WB	-	30.7		

No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2 kHz	2 kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz
1	1751 Westwood Boulevard	GF	L(Aeq1h)	24.4	32.7	37.1	39.0	39.8	40.6	41.4	42.5	44.3	46.1	48.9	50.0	47.0	47.0	45.8	48.2	48.4	45.1	42.6	41.2	37.2	32.8	27.9	22.2
1	1751 Westwood Boulevard	1.Fl	L(Aeq1h)	24.2	32.4	36.8	38.7	39.5	40.3	41.0	42.2	44.0	45.9	48.5	50.0	46.9	46.6	45.6	47.9	48.1	44.6	42.0	40.6	36.8	32.0	27.4	21.3
2	10850 Wilshire Boulevard	GF	L(Aeq1h)	26.3	34.6	38.7	40.8	41.8	42.5	43.2	44.7	46.5	48.9	51.4	53.4	51.9	51.9	50.6	50.4	49.7	48.5	45.7	43.1	40.1	37.0	32.2	26.8
2	10850 Wilshire Boulevard	1.Fl	L(Aeq1h)	26.3	34.2	39.1	40.4	41.4	42.2	43.3	44.4	46.2	48.5	51.1	53.2	50.9	51.4	49.8	49.9	49.5	47.6	45.5	42.0	39.9	36.2	32.0	26.0
2	10850 Wilshire Boulevard	2.Fl	L(Aeq1h)	26.2	33.5	38.7	40.4	41.1	42.0	42.9	43.9	46.0	48.1	50.6	52.5	50.6	51.6	49.2	50.0	49.2	47.5	45.1	42.3	39.7	36.0	31.0	25.7
2	10850 Wilshire Boulevard	3.Fl	L(Aeq1h)	26.0	33.3	37.8	40.3	40.8	41.8	42.7	43.9	45.6	48.1	50.3	52.5	50.0	50.7	49.8	49.7	49.2	47.1	44.6	42.1	39.0	35.4	31.2	25.1
2	10850 Wilshire Boulevard	4.Fl	L(Aeq1h)	25.5	33.3	37.4	39.8	40.2	41.8	42.3	43.7	45.6	47.8	50.5	52.0	49.3	50.9	49.0	49.3	49.2	46.7	43.3	41.9	38.4	35.1	30.3	24.4
2	10850 Wilshire Boulevard	5.Fl	L(Aeq1h)	25.0	33.2	37.6	39.3	40.3	41.5	42.1	43.5	45.8	47.7	50.0	52.3	49.5	50.1	48.4	48.6	48.5	46.5	43.4	41.8	38.1	34.8	29.9	23.9
2	10850 Wilshire Boulevard	6.Fl	L(Aeq1h)	24.5	33.0	37.9	39.3	40.2	40.9	41.6	43.0	44.9	47.3	49.7	51.7	50.0	50.2	48.8	48.8	48.4	46.1	42.8	41.5	38.2	34.2	29.2	23.6
2	10850 Wilshire Boulevard	7.Fl	L(Aeq1h)	24.2	32.5	37.7	39.2	40.0	41.1	41.6	43.2	44.9	47.2	49.3	51.7	50.1	50.3	48.7	49.2	48.4	46.0	43.1	41.4	37.6	33.2	28.8	22.9
2	10850 Wilshire Boulevard	8.Fl	L(Aeq1h)	24.0	32.0	37.3	38.7	39.8	40.6	41.3	42.8	44.5	47.0	48.9	51.6	49.5	49.6	49.1	48.7	47.9	45.8	43.1	40.9	37.3	33.2	28.1	22.4
2	10850 Wilshire Boulevard	9.Fl	L(Aeq1h)	24.1	31.6	36.9	38.2	39.7	40.2	41.1	42.8	44.2	46.6	48.9	51.1	48.7	49.3	48.2	48.5	47.7	45.4	42.1	40.7	36.6	32.3	27.7	21.9
2	10850 Wilshire Boulevard	10.Fl	L(Aeq1h)	24.1	31.6	36.6	38.1	39.4	40.1	40.8	42.3	44.2	46.5	48.6	50.7	48.5	49.5	47.9	48.0	47.1	44.9	42.1	40.3	36.3	32.4	27.2	20.5
2	10850 Wilshire Boulevard	11.Fl	L(Aeq1h)	23.9	31.8	36.4	38.1	39.2	39.8	40.6	42.1	43.9	45.9	48.6	50.6	48.3	49.0	47.7	47.5	47.3	44.5	42.6	40.6	36.3	31.9	26.8	19.6
2	10850 Wilshire Boulevard	12.Fl	L(Aeq1h)	23.7	31.8	36.4	38.0	38.9	39.6	40.1	41.9	43.9	45.6	48.2	50.6	48.4	48.3	47.8	48.0	47.2	44.4	41.7	40.0	35.9	32.0	25.9	19.0
3	Wilshire Manning Condominiums	GF	L(Aeq1h)	26.0	34.6	38.6	40.8	41.6	42.4	43.2	44.4	46.6	48.7	50.6	53.0	50.9	50.7	48.9	48.1	47.5	47.0	45.8	42.5	39.0	34.9	30.5	22.6
3	Wilshire Manning Condominiums	1.Fl	L(Aeq1h)	25.8	34.3	38.3	40.6	41.4	42.3	43.1	44.4	46.5	48.7	50.7	52.5	50.5	50.6	48.9	48.2	47.3	46.8	45.2	42.1	38.8	34.5	30.2	22.5
3	Wilshire Manning Condominiums	2.Fl	L(Aeq1h)	25.5	34.0	38.1	40.3	41.1	42.0	42.7	44.3	46.0	48.1	50.3	52.2	50.3	50.4	48.4	47.8	47.1	46.7	45.1	41.7	37.7	34.1	29.5	21.9
3	Wilshire Manning Condominiums	3.Fl	L(Aeq1h)	25.2	33.7	37.8	39.9	40.8	41.6	42.4	44.0	45.7	47.7	50.2	52.4	50.3	50.7	47.8	47.1	47.2	46.0	44.5	41.1	37.7	33.9	29.1	21.6
3	Wilshire Manning Condominiums	4.Fl	L(Aeq1h)	25.0	33.4	37.6	39.7	40.5	41.3	42.2	43.7	45.5	47.2	50.1	51.7	49.9	50.1	47.4	47.2	46.7	46.1	44.2	41.3	37.2	33.2	28.5	21.1
3	Wilshire Manning Condominiums	5.Fl	L(Aeq1h)	24.8	33.1	37.5	39.5	40.2	40.9	42.0	43.4	45.2	46.9	49.6	51.6	49.5	49.7	47.5	47.2	46.6	45.9	44.1	40.5	37.2	33.3	27.5	21.2
3	Wilshire Manning Condominiums	6.Fl	L(Aeq1h)	24.6	32.8	37.3	39.2	40.0	40.6	41.8	43.1	44.9	47.1	49.4	51.0	49.6	49.2	47.0

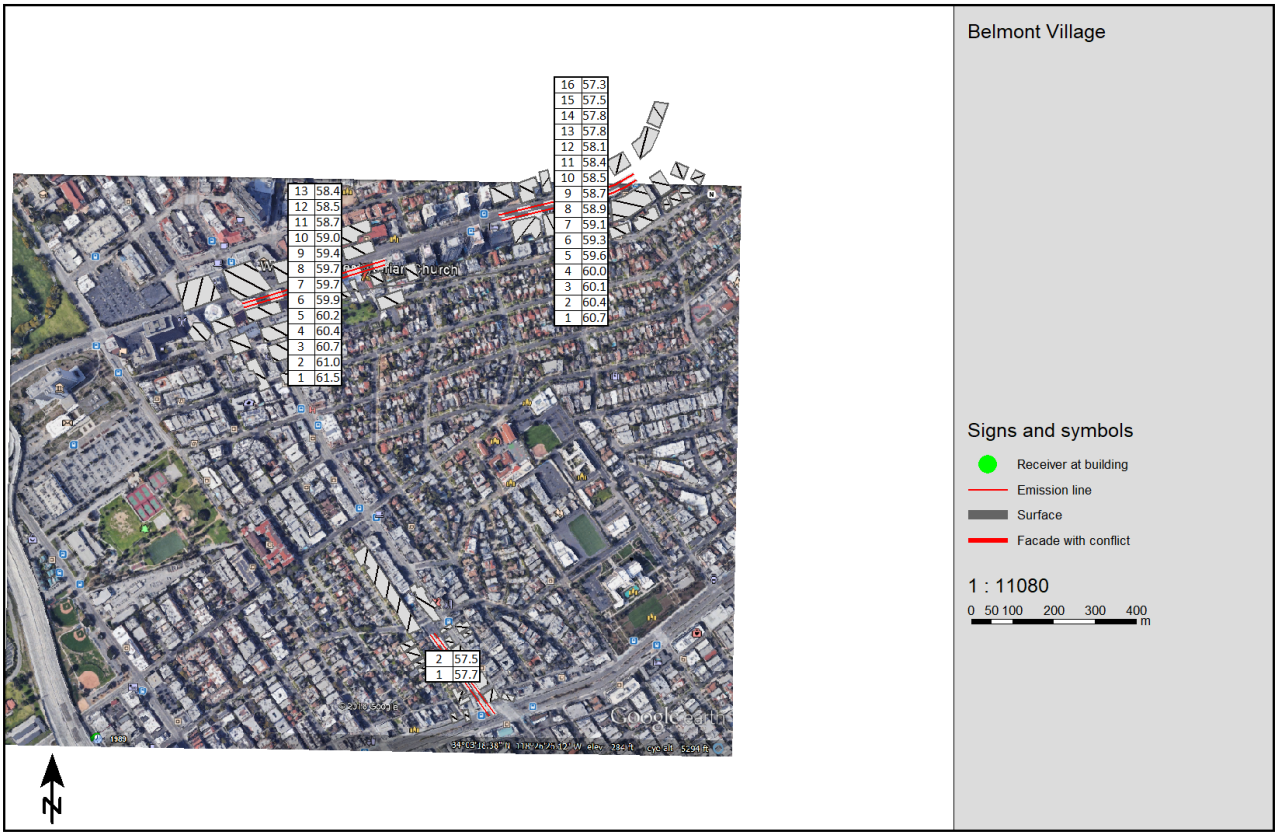
```
47.0    46.6    45.6    43.9    40.6    36.4    32.8    27.4    20.9
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h) 24.4   32.6    37.1    39.0
39.7    40.3    41.6    42.9    44.7    46.5    49.1    51.3    48.7    49.2    46.8
47.1    46.1    44.9    43.8    40.2    36.3    32.8    26.1    21.0
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h) 24.2   32.4    37.0    38.8
39.5    40.1    41.3    42.7    44.5    46.0    48.9    50.8    48.9    49.1    46.5
46.9    46.1    45.6    43.4    39.6    35.8    32.5    25.8    20.0
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h) 24.0   32.2    36.8    38.5
39.3    40.0    41.0    42.4    44.2    46.2    48.8    50.9    48.3    48.5    47.0
46.4    45.8    44.9    43.3    39.5    35.6    32.1    25.2    19.4
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h) 23.8   32.0    36.6    38.3
39.1    39.9    40.8    42.2    44.0    46.6    48.5    50.9    48.3    48.6    46.3
46.0    45.8    45.1    42.8    39.0    35.1    31.9    24.8    18.7
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h) 23.6   31.8    36.5    38.2
38.9    39.7    40.6    42.0    43.8    46.3    48.3    50.6    47.8    48.0    45.6
46.0    46.0    44.6    42.4    38.5    35.0    31.5    24.4    18.2
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h) 23.5   31.7    36.3    38.1
38.8    39.6    40.4    41.9    43.5    45.8    48.3    50.3    47.5    47.7    45.3
45.7    45.5    44.5    42.4    38.3    35.0    31.0    24.1    17.7
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h) 23.3   31.5    36.1    37.8
38.7    39.5    40.2    41.8    43.3    45.4    48.3    49.8    48.1    47.3    46.3
45.5    46.1    44.3    42.0    38.0    34.9    31.2    23.7    17.1
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h) 23.2   31.3    36.0    37.7
38.6    39.3    40.1    41.7    43.2    45.4    47.6    50.0    47.8    47.3    44.7
44.7    45.9    43.7    41.8    38.0    34.4    30.8    23.2    16.2
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h) 23.0   31.1    35.8    37.5
38.4    39.1    40.0    41.6    43.0    45.4    47.1    50.1    46.9    46.9    45.3
45.1    45.5    44.1    41.6    37.6    34.2    30.1    22.0    15.5
```

No.	Receiver name	Building side	Limit Floor dB(A)	Level L(Aeq1h) dB(A)	Conflict L(Aeq1h) dB			
1	1751 Westwood Boulevard	North east		GF	75	58.2	–	
1	1751 Westwood Boulevard	North east		1.Fl	75	57.9	–	
2	10850 Wilshire Boulevard	North	GF	75	61.3	–		
2	10850 Wilshire Boulevard	North	1.Fl	75	60.9	–		
2	10850 Wilshire Boulevard	North	2.Fl	75	60.6	–		
2	10850 Wilshire Boulevard	North	3.Fl	75	60.3	–		
2	10850 Wilshire Boulevard	North	4.Fl	75	60.0	–		
2	10850 Wilshire Boulevard	North	5.Fl	75	59.8	–		
2	10850 Wilshire Boulevard	North	6.Fl	75	59.6	–		
2	10850 Wilshire Boulevard	North	7.Fl	75	59.6	–		
2	10850 Wilshire Boulevard	North	8.Fl	75	59.3	–		
2	10850 Wilshire Boulevard	North	9.Fl	75	58.9	–		
2	10850 Wilshire Boulevard	North	10.Fl	75	58.6	–		
2	10850 Wilshire Boulevard	North	11.Fl	75	58.4	–		
2	10850 Wilshire Boulevard	North	12.Fl	75	58.3	–		
3	Wilshire Manning Condominiums	North	GF	70	60.4	–		
3	Wilshire Manning Condominiums	North	1.Fl	70	60.2	–		
3	Wilshire Manning Condominiums	North	2.Fl	70	59.9	–		
3	Wilshire Manning Condominiums	North	3.Fl	70	59.7	–		
3	Wilshire Manning Condominiums	North	4.Fl	70	59.4	–		
3	Wilshire Manning Condominiums	North	5.Fl	70	59.1	–		
3	Wilshire Manning Condominiums	North	6.Fl	70	58.8	–		
3	Wilshire Manning Condominiums	North	7.Fl	70	58.6	–		
3	Wilshire Manning Condominiums	North	8.Fl	70	58.4	–		
3	Wilshire Manning Condominiums	North	9.Fl	70	58.2	–		
3	Wilshire Manning Condominiums	North	10.Fl	70	58.1	–		
3	Wilshire Manning Condominiums	North	11.Fl	70	57.8	–		
3	Wilshire Manning Condominiums	North	12.Fl	70	57.5	–		
3	Wilshire Manning Condominiums	North	13.Fl	70	57.5	–		
3	Wilshire Manning Condominiums	North	14.Fl	70	57.2	–		
3	Wilshire Manning Condominiums	North	15.Fl	70	57.1	–		

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h	km/h	%		%		
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	40536	Total	-	1689	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40536	Automobiles	-	1689	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40536	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40536	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40536	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40536	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	40536	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	52920	Total	-	2205	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52920	Automobiles	-	2205	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52920	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52920	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52920	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52920	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52920	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	26424	Total	-	1101	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26424	Automobiles	-	1101	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26424	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26424	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26424	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26424	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	26424	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	24048	Total	-	1002	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	24048	Automobiles	-	1002	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	24048	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	24048	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	24048	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	24048	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	24048	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

```
0+244    -        -        -        -        -        -
   Westwood Bl W of Westholme WB      Traffic direction:    In entry direction
0+000    24048    Total    -        1002     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    24048    Automobiles      -        1002     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    24048    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    24048    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    24048    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    24048    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    24048    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.1 / 5.2
0+101    45024    Total    -        1876     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    45024    Automobiles      -        1876     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    45024    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    45024    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    45024    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    45024    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    45024    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.0
0+342    -        -        -        -        -        -
   Westwood Bl W of Westholme EB      Traffic direction:    In entry direction
0+000    55128    Total    -        2297     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    55128    Automobiles      -        2297     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    55128    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    55128    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    55128    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    55128    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    55128    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) -23.5 / 5.1
0+342    -        -        -        -        -        -
```

TRAFFIC NOISE MODELING
FUTURE AM


16 57.3
15 57.5
14 57.8
13 57.8
12 58.1
11 58.4
10 58.5
9 58.7
8 58.9
7 59.1
6 59.3
5 59.6
4 60.0
3 60.1
2 60.4
1 60.7
13 58.4
12 58.5
11 58.7
10 59.0
9 59.4
8 59.7
7 59.7
6 59.9
5 60.2
4 60.4
3 60.7
2 61.0
1 61.5
2 57.5
1 57.7
Belmont Village
Signs and symbols
Receiver at building
Emission line
Surface
Facade with conflict
1 : 11080
0 50 100 200 300 400
m
N

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard		GF	57.7	
Westwood Bl N of SM Bl NB	-	55.5		
Westwood Bl N of SM Bl SB	-	53.7		
Westwood Bl W of Westholme EB	-		-1.5	
Westwood Bl W of Westholme WB	-		-1.6	
Wilshire Bl E of Westwood EB	-		2.6	
Wilshire Bl E of Westwood WB	-		0.4	
1751 Westwood Boulevard		1.Fl	57.5	
Westwood Bl N of SM Bl NB	-	55.3		
Westwood Bl N of SM Bl SB	-	53.5		
Westwood Bl W of Westholme EB	-		-1.3	
Westwood Bl W of Westholme WB	-		-1.4	
Wilshire Bl E of Westwood EB	-		2.0	
Wilshire Bl E of Westwood WB	-		-0.2	
10850 Wilshire Boulevard		GF	61.5	
Westwood Bl N of SM Bl NB	-	23.0		
Westwood Bl N of SM Bl SB	-	23.0		
Westwood Bl W of Westholme EB	-		15.4	
Westwood Bl W of Westholme WB	-		20.0	
Wilshire Bl E of Westwood EB	-		59.2	
Wilshire Bl E of Westwood WB	-		57.5	
10850 Wilshire Boulevard		1.Fl	61.0	
Westwood Bl N of SM Bl NB	-	23.3		
Westwood Bl N of SM Bl SB	-	23.1		
Westwood Bl W of Westholme EB	-		15.7	
Westwood Bl W of Westholme WB	-		20.8	
Wilshire Bl E of Westwood EB	-		58.7	
Wilshire Bl E of Westwood WB	-		57.1	
10850 Wilshire Boulevard		2.Fl	60.7	
Westwood Bl N of SM Bl NB	-	23.6		
Westwood Bl N of SM Bl SB	-	23.0		
Westwood Bl W of Westholme EB	-		15.1	
Westwood Bl W of Westholme WB	-		20.8	
Wilshire Bl E of Westwood EB	-		58.5	
Wilshire Bl E of Westwood WB	-		56.7	
10850 Wilshire Boulevard		3.Fl	60.4	
Westwood Bl N of SM Bl NB	-	23.8		
Westwood Bl N of SM Bl SB	-	22.9		
Westwood Bl W of Westholme EB	-		15.3	
Westwood Bl W of Westholme WB	-		20.7	
Wilshire Bl E of Westwood EB	-		58.1	
Wilshire Bl E of Westwood WB	-		56.6	
10850 Wilshire Boulevard		4.Fl	60.2	
Westwood Bl N of SM Bl NB	-	24.1		
Westwood Bl N of SM Bl SB	-	23.1		
Westwood Bl W of Westholme EB	-		15.6	
Westwood Bl W of Westholme WB	-		21.4	
Wilshire Bl E of Westwood EB	-		57.8	
Wilshire Bl E of Westwood WB	-		56.4	
10850 Wilshire Boulevard		5.Fl	59.9	
Westwood Bl N of SM Bl NB	-	24.1		
Westwood Bl N of SM Bl SB	-	23.5		
Westwood Bl W of Westholme EB	-		15.7	
Westwood Bl W of Westholme WB	-		21.9	
Wilshire Bl E of Westwood EB	-		57.5	
Wilshire Bl E of Westwood WB	-		56.2	
10850 Wilshire Boulevard		6.Fl	59.7	
Westwood Bl N of SM Bl NB	-	24.3		
Westwood Bl N of SM Bl SB	-	23.8		
Westwood Bl W of Westholme EB	-		16.0	
Westwood Bl W of Westholme WB	-		22.4	
Wilshire Bl E of Westwood EB	-		57.4	
Wilshire Bl E of Westwood WB	-		56.0	
10850 Wilshire Boulevard		7.Fl	59.7	
Westwood Bl N of SM Bl NB	-	24.5		

```
Westwood Bl N of SM Bl SB -       24.2
Westwood Bl W of Westholme EB     -       17.0
Westwood Bl W of Westholme WB     -       22.5
Wilshire Bl E of Westwood EB      -       57.4
Wilshire Bl E of Westwood WB      -       56.0
   10850 Wilshire Boulevard         8.Fl         59.4
Westwood Bl N of SM Bl NB -       24.7
Westwood Bl N of SM Bl SB -       24.2
Westwood Bl W of Westholme EB     -       16.2
Westwood Bl W of Westholme WB     -       23.2
Wilshire Bl E of Westwood EB      -       57.1
Wilshire Bl E of Westwood WB      -       55.5
   10850 Wilshire Boulevard         9.Fl         59.0
Westwood Bl N of SM Bl NB -       25.0
Westwood Bl N of SM Bl SB -       24.0
Westwood Bl W of Westholme EB     -       16.4
Westwood Bl W of Westholme WB     -       23.2
Wilshire Bl E of Westwood EB      -       56.7
Wilshire Bl E of Westwood WB      -       55.2
   10850 Wilshire Boulevard        10.Fl         58.7
Westwood Bl N of SM Bl NB -       25.2
Westwood Bl N of SM Bl SB -       23.9
Westwood Bl W of Westholme EB     -       17.3
Westwood Bl W of Westholme WB     -       23.8
Wilshire Bl E of Westwood EB      -       56.4
Wilshire Bl E of Westwood WB      -       54.9
   10850 Wilshire Boulevard        11.Fl         58.5
Westwood Bl N of SM Bl NB -       25.3
Westwood Bl N of SM Bl SB -       24.1
Westwood Bl W of Westholme EB     -       17.4
Westwood Bl W of Westholme WB     -       24.4
Wilshire Bl E of Westwood EB      -       56.2
Wilshire Bl E of Westwood WB      -       54.7
   10850 Wilshire Boulevard        12.Fl         58.4
Westwood Bl N of SM Bl NB -       25.4
Westwood Bl N of SM Bl SB -       24.4
Westwood Bl W of Westholme EB     -       17.4
Westwood Bl W of Westholme WB     -       25.2
Wilshire Bl E of Westwood EB      -       56.0
Wilshire Bl E of Westwood WB      -       54.7
   Wilshire Manning Condominiums        GF         60.7
Westwood Bl N of SM Bl NB -       14.1
Westwood Bl N of SM Bl SB -       10.7
Westwood Bl W of Westholme EB     -       58.4
Westwood Bl W of Westholme WB     -       56.8
Wilshire Bl E of Westwood EB      -       16.4
Wilshire Bl E of Westwood WB      -       16.8
   Wilshire Manning Condominiums        1.Fl         60.4
Westwood Bl N of SM Bl NB -       14.3
Westwood Bl N of SM Bl SB -       11.0
Westwood Bl W of Westholme EB     -       58.2
Westwood Bl W of Westholme WB     -       56.5
Wilshire Bl E of Westwood EB      -       17.3
Wilshire Bl E of Westwood WB      -       16.7
   Wilshire Manning Condominiums        2.Fl         60.1
Westwood Bl N of SM Bl NB -       14.8
Westwood Bl N of SM Bl SB -       12.0
Westwood Bl W of Westholme EB     -       57.8
Westwood Bl W of Westholme WB     -       56.3
Wilshire Bl E of Westwood EB      -       18.4
Wilshire Bl E of Westwood WB      -       17.3
   Wilshire Manning Condominiums        3.Fl         60.0
Westwood Bl N of SM Bl NB -       15.2
Westwood Bl N of SM Bl SB -       12.9
Westwood Bl W of Westholme EB     -       57.8
Westwood Bl W of Westholme WB     -       56.0
Wilshire Bl E of Westwood EB      -       17.8
Wilshire Bl E of Westwood WB      -       18.0
```

```
   Wilshire Manning Condominiums         4.Fl         59.6
Westwood Bl N of SM Bl NB -       16.0
Westwood Bl N of SM Bl SB -       14.2
Westwood Bl W of Westholme EB     -       57.4
Westwood Bl W of Westholme WB     -       55.6
Wilshire Bl E of Westwood EB      -       18.9
Wilshire Bl E of Westwood WB      -       18.7
   Wilshire Manning Condominiums         5.Fl         59.3
Westwood Bl N of SM Bl NB -       16.7
Westwood Bl N of SM Bl SB -       15.4
Westwood Bl W of Westholme EB     -       57.2
Westwood Bl W of Westholme WB     -       55.2
Wilshire Bl E of Westwood EB      -       19.6
Wilshire Bl E of Westwood WB      -       19.2
   Wilshire Manning Condominiums         6.Fl         59.1
Westwood Bl N of SM Bl NB -       17.5
Westwood Bl N of SM Bl SB -       16.8
Westwood Bl W of Westholme EB     -       56.9
Westwood Bl W of Westholme WB     -       55.0
Wilshire Bl E of Westwood EB      -       20.3
Wilshire Bl E of Westwood WB      -       19.9
   Wilshire Manning Condominiums         7.Fl         58.9
Westwood Bl N of SM Bl NB -       18.6
Westwood Bl N of SM Bl SB -       18.0
Westwood Bl W of Westholme EB     -       56.6
Westwood Bl W of Westholme WB     -       55.0
Wilshire Bl E of Westwood EB      -       18.2
Wilshire Bl E of Westwood WB      -       20.5
   Wilshire Manning Condominiums         8.Fl         58.7
Westwood Bl N of SM Bl NB -       18.9
Westwood Bl N of SM Bl SB -       18.3
Westwood Bl W of Westholme EB     -       56.4
Westwood Bl W of Westholme WB     -       54.8
Wilshire Bl E of Westwood EB      -       19.3
Wilshire Bl E of Westwood WB      -       21.3
   Wilshire Manning Condominiums         9.Fl         58.5
Westwood Bl N of SM Bl NB -       19.2
Westwood Bl N of SM Bl SB -       18.6
Westwood Bl W of Westholme EB     -       56.3
Westwood Bl W of Westholme WB     -       54.4
Wilshire Bl E of Westwood EB      -       19.8
Wilshire Bl E of Westwood WB      -       21.3
   Wilshire Manning Condominiums         10.Fl         58.4
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       18.9
Westwood Bl W of Westholme EB     -       56.2
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       21.0
Wilshire Bl E of Westwood WB      -       22.1
   Wilshire Manning Condominiums         11.Fl         58.1
Westwood Bl N of SM Bl NB -       19.2
Westwood Bl N of SM Bl SB -       19.0
Westwood Bl W of Westholme EB     -       55.8
Westwood Bl W of Westholme WB     -       54.1
Wilshire Bl E of Westwood EB      -       22.5
Wilshire Bl E of Westwood WB      -       23.7
   Wilshire Manning Condominiums         12.Fl         57.8
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       19.2
Westwood Bl W of Westholme EB     -       55.6
Westwood Bl W of Westholme WB     -       53.8
Wilshire Bl E of Westwood EB      -       22.4
Wilshire Bl E of Westwood WB      -       25.0
   Wilshire Manning Condominiums         13.Fl         57.8
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       19.2
Westwood Bl W of Westholme EB     -       55.5
Westwood Bl W of Westholme WB     -       53.8
```

Wilshire Bl E of Westwood EB	–	22.3		
Wilshire Bl E of Westwood WB	–	26.6		
Wilshire Manning Condominiums		14.Fl		57.5
Westwood Bl N of SM Bl NB	–	19.6		
Westwood Bl N of SM Bl SB	–	19.2		
Westwood Bl W of Westholme EB	–	55.1		
Westwood Bl W of Westholme WB	–	53.7		
Wilshire Bl E of Westwood EB	–	23.1		
Wilshire Bl E of Westwood WB	–	32.0		
Wilshire Manning Condominiums		15.Fl		57.3
Westwood Bl N of SM Bl NB	–	19.7		
Westwood Bl N of SM Bl SB	–	19.4		
Westwood Bl W of Westholme EB	–	54.9		
Westwood Bl W of Westholme WB	–	53.6		
Wilshire Bl E of Westwood EB	–	24.1		
Wilshire Bl E of Westwood WB	–	31.2		

No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	
200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2
kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz				
1	1751 Westwood Boulevard		GF	L(Aeq1h)	24.1	32.3	36.7	38.6	39.4	
40.2	40.9	42.0	43.8	45.7	48.5	49.5	46.6	46.5	45.3	47.6
48.0	44.8	42.1	40.7	36.7	32.4	27.6	21.8			
1	1751 Westwood Boulevard		1.Fl	L(Aeq1h)	23.8	32.1	36.4	38.3	39.1	
39.9	40.5	41.8	43.5	45.5	48.2	49.5	46.5	46.2	45.3	47.4
47.6	44.3	41.6	40.2	36.3	31.6	27.1	20.8			
2	10850 Wilshire Boulevard		GF	L(Aeq1h)	26.5	34.7	38.8	41.0	41.9	
42.6	43.3	44.9	46.6	49.1	51.6	53.5	52.0	52.0	50.8	50.5
49.8	48.6	45.9	43.2	40.2	37.1	32.3	26.9			
2	10850 Wilshire Boulevard		1.Fl	L(Aeq1h)	26.4	34.3	39.2	40.5	41.5	
42.3	43.4	44.6	46.4	48.6	51.2	53.4	51.1	51.6	49.9	50.1
49.6	47.8	45.7	42.1	40.0	36.2	32.1	26.1			
2	10850 Wilshire Boulevard		2.Fl	L(Aeq1h)	26.3	33.6	38.8	40.5	41.2	
42.1	43.0	44.1	46.2	48.2	50.7	52.7	50.8	51.8	49.4	50.1
49.4	47.6	45.2	42.4	39.8	36.1	31.2	25.8			
2	10850 Wilshire Boulevard		3.Fl	L(Aeq1h)	26.1	33.4	38.0	40.4	41.0	
41.9	42.8	44.0	45.8	48.3	50.4	52.6	50.2	50.8	50.0	49.8
49.3	47.2	44.8	42.2	39.2	35.5	31.3	25.2			
2	10850 Wilshire Boulevard		4.Fl	L(Aeq1h)	25.7	33.4	37.5	39.9	40.4	
41.9	42.4	43.9	45.7	48.0	50.6	52.2	49.5	51.1	49.2	49.5
49.3	46.8	43.5	42.0	38.6	35.2	30.4	24.5			
2	10850 Wilshire Boulevard		5.Fl	L(Aeq1h)	25.1	33.3	37.7	39.5	40.4	
41.6	42.2	43.6	45.9	47.9	50.1	52.5	49.6	50.3	48.5	48.8
48.7	46.7	43.6	41.9	38.3	34.8	30.0	24.0			
2	10850 Wilshire Boulevard		6.Fl	L(Aeq1h)	24.6	33.1	38.0	39.4	40.4	
41.0	41.7	43.2	45.0	47.4	49.8	51.9	50.1	50.3	49.0	48.9
48.6	46.2	43.0	41.6	38.3	34.3	29.2	23.7			
2	10850 Wilshire Boulevard		7.Fl	L(Aeq1h)	24.3	32.6	37.9	39.3	40.1	
41.2	41.7	43.3	45.1	47.3	49.5	51.9	50.2	50.5	48.9	49.4
48.5	46.2	43.2	41.5	37.8	33.3	28.9	23.0			
2	10850 Wilshire Boulevard		8.Fl	L(Aeq1h)	24.1	32.1	37.5	38.9	40.0	
40.8	41.4	43.0	44.6	47.1	49.1	51.8	49.6	49.8	49.2	48.8
48.0	46.0	43.3	41.0	37.5	33.3	28.1	22.5			
2	10850 Wilshire Boulevard		9.Fl	L(Aeq1h)	24.2	31.7	37.1	38.3	39.9	
40.3	41.3	43.0	44.4	46.8	49.1	51.2	48.9	49.4	48.4	48.7
47.9	45.6	42.3	40.8	36.8	32.5	27.7	21.9			
2	10850 Wilshire Boulevard		10.Fl	L(Aeq1h)	24.2	31.8	36.7	38.2	39.5	
40.3	41.0	42.4	44.3	46.6	48.7	50.8	48.7	49.7	48.1	48.1
47.2	45.1	42.2	40.4	36.5	32.5	27.2	20.5			
2	10850 Wilshire Boulevard		11.Fl	L(Aeq1h)	24.1	31.9	36.6	38.3	39.3	
40.0	40.7	42.2	44.0	46.1	48.8	50.7	48.5	49.2	47.8	47.6
47.5	44.7	42.7	40.7	36.4	32.0	26.8	19.7			
2	10850 Wilshire Boulevard		12.Fl	L(Aeq1h)	23.9	31.9	36.6	38.1	39.0	
39.8	40.3	42.0	44.0	45.7	48.4	50.7	48.6	48.5	48.0	48.2
47.3	44.6	41.8	40.1	36.1	32.2	26.0	19.0			
3	Wilshire Manning Condominiums		GF	L(Aeq1h)	26.4	34.9	39.0	41.1		
42.0	42.8	43.6	44.7	46.9	49.0	51.0	53.3	51.2	51.0	49.1
48.2	47.7	47.3	46.2	42.7	39.2	35.1	30.8	22.9		
3	Wilshire Manning Condominiums		1.Fl	L(Aeq1h)	26.2	34.7	38.7	40.9		
41.7	42.6	43.4	44.7	46.8	48.9	50.9	52.8	50.7	50.8	49.0
48.3	47.5	47.1	45.6	42.3	39.1	34.7	30.5	22.7		
3	Wilshire Manning Condominiums		2.Fl	L(Aeq1h)	25.9	34.4	38.4	40.6		
41.4	42.4	43.1	44.6	46.3	48.4	50.6	52.5	50.6	50.7	48.5
47.9	47.3	47.0	45.5	41.9	38.0	34.3	29.8	22.2		
3	Wilshire Manning Condominiums		3.Fl	L(Aeq1h)	25.5	34.0	38.2	40.3		
41.1	42.0	42.7	44.3	46.0	48.0	50.5	52.6	50.6	50.8	47.9
47.2	47.3	46.3	44.9	41.3	38.0	34.0	29.3	22.0		
3	Wilshire Manning Condominiums		4.Fl	L(Aeq1h)	25.3	33.7	38.0	40.0		
40.8	41.6	42.5	44.0	45.8	47.5	50.4	51.9	50.1	50.3	47.5
47.3	46.9	46.5	44.5	41.5	37.5	33.4	28.8	21.5		
3	Wilshire Manning Condominiums		5.Fl	L(Aeq1h)	25.2	33.5	37.8	39.8		
40.6	41.3	42.3	43.7	45.5	47.2	49.8	51.8	49.7	49.8	47.6
47.3	46.8	46.2	44.4	40.7	37.4	33.5	27.7	21.5		
3	Wilshire Manning Condominiums		6.Fl	L(Aeq1h)	24.9	33.2	37.6	39.5		
40.3	40.9	42.1	43.4	45.2	47.3	49.7	51.3	49.8	49.3	47.0

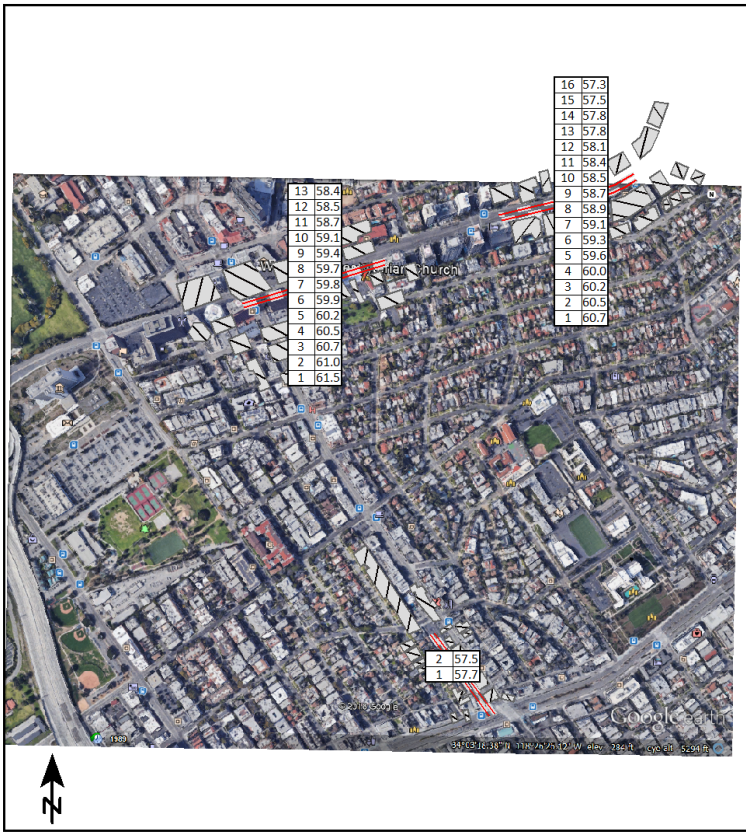
```
47.0    46.8    45.9    44.2    40.7    36.7    33.1    27.5    21.2
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h) 24.8   33.0    37.5    39.3
40.1    40.7    41.9    43.2    45.0    46.8    49.3    51.6    49.0    49.4    46.9
47.1    46.4    45.4    44.1    40.4    36.6    33.0    26.3    21.2
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h) 24.6   32.8    37.3    39.1
39.9    40.5    41.7    43.0    44.9    46.3    49.2    51.1    49.1    49.3    46.5
47.0    46.3    45.9    43.7    39.8    36.1    32.8    25.9    20.3
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h) 24.4   32.5    37.1    38.9
39.6    40.3    41.4    42.7    44.6    46.5    49.1    51.1    48.5    48.7    47.0
46.5    46.1    45.3    43.6    39.7    35.9    32.4    25.3    19.6
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h) 24.2   32.4    37.0    38.7
39.5    40.2    41.1    42.5    44.3    46.8    48.8    51.1    48.6    48.7    46.4
46.1    46.1    45.4    43.1    39.2    35.4    32.2    25.0    18.9
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h) 24.0   32.1    36.8    38.5
39.3    40.1    40.9    42.3    44.1    46.6    48.6    50.8    48.1    48.2    45.7
46.1    46.3    45.0    42.7    38.8    35.3    31.8    24.5    18.4
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h) 23.9   32.0    36.6    38.4
39.1    40.0    40.8    42.3    43.9    46.1    48.5    50.5    47.7    47.9    45.4
45.8    45.8    44.9    42.7    38.5    35.3    31.3    24.2    17.8
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h) 23.7   31.9    36.5    38.2
39.1    39.8    40.5    42.1    43.7    45.7    48.6    50.0    48.3    47.5    46.3
45.7    46.3    44.7    42.3    38.2    35.1    31.5    23.9    17.2
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h) 23.5   31.7    36.3    38.0
38.9    39.6    40.4    42.1    43.5    45.7    47.9    50.3    48.0    47.4    44.7
44.9    46.2    44.2    42.0    38.2    34.7    31.1    23.3    16.4
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h) 23.4   31.5    36.1    37.9
38.8    39.5    40.3    41.9    43.3    45.7    47.5    50.3    47.1    47.2    45.3
45.3    45.8    44.5    41.9    37.9    34.4    30.4    22.3    15.6
```

No.	Receiver name side	Building	Limit Floor dB(A)	Level L(Aeq1h) dB(A)	Conflict L(Aeq1h) dB	L(Aeq1h)		
1	1751 Westwood Boulevard	North east		GF	75	57.7	–	
1	1751 Westwood Boulevard	North east		1.Fl	75	57.5	–	
2	10850 Wilshire Boulevard	North	GF	75	61.5	–		
2	10850 Wilshire Boulevard	North	1.Fl	75	61.0	–		
2	10850 Wilshire Boulevard	North	2.Fl	75	60.7	–		
2	10850 Wilshire Boulevard	North	3.Fl	75	60.4	–		
2	10850 Wilshire Boulevard	North	4.Fl	75	60.2	–		
2	10850 Wilshire Boulevard	North	5.Fl	75	59.9	–		
2	10850 Wilshire Boulevard	North	6.Fl	75	59.7	–		
2	10850 Wilshire Boulevard	North	7.Fl	75	59.7	–		
2	10850 Wilshire Boulevard	North	8.Fl	75	59.4	–		
2	10850 Wilshire Boulevard	North	9.Fl	75	59.0	–		
2	10850 Wilshire Boulevard	North	10.Fl	75	58.7	–		
2	10850 Wilshire Boulevard	North	11.Fl	75	58.5	–		
2	10850 Wilshire Boulevard	North	12.Fl	75	58.4	–		
3	Wilshire Manning Condominiums	North	GF	70	60.7	–		
3	Wilshire Manning Condominiums	North	1.Fl	70	60.4	–		
3	Wilshire Manning Condominiums	North	2.Fl	70	60.1	–		
3	Wilshire Manning Condominiums	North	3.Fl	70	60.0	–		
3	Wilshire Manning Condominiums	North	4.Fl	70	59.6	–		
3	Wilshire Manning Condominiums	North	5.Fl	70	59.3	–		
3	Wilshire Manning Condominiums	North	6.Fl	70	59.1	–		
3	Wilshire Manning Condominiums	North	7.Fl	70	58.9	–		
3	Wilshire Manning Condominiums	North	8.Fl	70	58.7	–		
3	Wilshire Manning Condominiums	North	9.Fl	70	58.5	–		
3	Wilshire Manning Condominiums	North	10.Fl	70	58.4	–		
3	Wilshire Manning Condominiums	North	11.Fl	70	58.1	–		
3	Wilshire Manning Condominiums	North	12.Fl	70	57.8	–		
3	Wilshire Manning Condominiums	North	13.Fl	70	57.8	–		
3	Wilshire Manning Condominiums	North	14.Fl	70	57.5	–		
3	Wilshire Manning Condominiums	North	15.Fl	70	57.3	–		

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h	km/h	%		%		
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	45432	Total	-	1893	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45432	Automobiles	-	1893	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45432	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45432	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45432	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45432	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45432	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	51864	Total	-	2161	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	51864	Automobiles	-	2161	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	51864	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	51864	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	51864	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	51864	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	51864	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	17352	Total	-	723	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17352	Automobiles	-	723	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17352	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17352	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17352	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17352	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17352	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	28824	Total	-	1201	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28824	Automobiles	-	1201	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28824	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28824	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28824	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28824	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28824	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

0+244 – – – – – –
Westwood Bl W of Westholme WB Traffic direction: In entry direction
0+000 28824 Total – 1201 – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 28824 Automobiles – 1201 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 28824 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 28824 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 28824 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 28824 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 28824 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+101 55512 Total – 2313 – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 55512 Automobiles – 2313 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 55512 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 55512 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 55512 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 55512 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 55512 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+342 – – – – – –
Westwood Bl W of Westholme EB Traffic direction: In entry direction
0+000 53160 Total – 2215 – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 53160 Automobiles – 2215 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 53160 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 53160 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 53160 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 53160 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 53160 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+342 – – – – – –

TRAFFIC NOISE MODELING
FUTURE+PROJECT AM



Belmont Village

Signs and symbols

- Receiver at building
- Emission line
- Surface
- Facade with conflict

1 : 11080

0 50 100 200 300 400 m

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard	GF	57.7		
Westwood Bl N of SM Bl NB	-	55.5		
Westwood Bl N of SM Bl SB	-	53.7		
Westwood Bl W of Westholme EB	-	13.5		
Westwood Bl W of Westholme WB	-	7.6		
Wilshire Bl E of Westwood EB	-	27.9		
Wilshire Bl E of Westwood WB	-	26.7		
1751 Westwood Boulevard	1.Fl	57.5		
Westwood Bl N of SM Bl NB	-	55.3		
Westwood Bl N of SM Bl SB	-	53.5		
Westwood Bl W of Westholme EB	-	13.2		
Westwood Bl W of Westholme WB	-	7.8		
Wilshire Bl E of Westwood EB	-	28.4		
Wilshire Bl E of Westwood WB	-	26.7		
10850 Wilshire Boulevard	GF	61.5		
Westwood Bl N of SM Bl NB	-	23.1		
Westwood Bl N of SM Bl SB	-	23.0		
Westwood Bl W of Westholme EB	-	15.4		
Westwood Bl W of Westholme WB	-	20.0		
Wilshire Bl E of Westwood EB	-	59.2		
Wilshire Bl E of Westwood WB	-	57.6		
10850 Wilshire Boulevard	1.Fl	61.0		
Westwood Bl N of SM Bl NB	-	23.3		
Westwood Bl N of SM Bl SB	-	23.1		
Westwood Bl W of Westholme EB	-	15.7		
Westwood Bl W of Westholme WB	-	20.8		
Wilshire Bl E of Westwood EB	-	58.8		
Wilshire Bl E of Westwood WB	-	57.1		
10850 Wilshire Boulevard	2.Fl	60.7		
Westwood Bl N of SM Bl NB	-	23.6		
Westwood Bl N of SM Bl SB	-	23.2		
Westwood Bl W of Westholme EB	-	15.1		
Westwood Bl W of Westholme WB	-	20.8		
Wilshire Bl E of Westwood EB	-	58.4		
Wilshire Bl E of Westwood WB	-	56.7		
10850 Wilshire Boulevard	3.Fl	60.5		
Westwood Bl N of SM Bl NB	-	23.8		
Westwood Bl N of SM Bl SB	-	23.1		
Westwood Bl W of Westholme EB	-	15.3		
Westwood Bl W of Westholme WB	-	20.7		
Wilshire Bl E of Westwood EB	-	58.2		
Wilshire Bl E of Westwood WB	-	56.6		
10850 Wilshire Boulevard	4.Fl	60.2		
Westwood Bl N of SM Bl NB	-	24.1		
Westwood Bl N of SM Bl SB	-	23.1		
Westwood Bl W of Westholme EB	-	15.6		
Westwood Bl W of Westholme WB	-	21.5		
Wilshire Bl E of Westwood EB	-	57.8		
Wilshire Bl E of Westwood WB	-	56.4		
10850 Wilshire Boulevard	5.Fl	59.9		
Westwood Bl N of SM Bl NB	-	24.1		
Westwood Bl N of SM Bl SB	-	23.3		
Westwood Bl W of Westholme EB	-	15.8		
Westwood Bl W of Westholme WB	-	21.9		
Wilshire Bl E of Westwood EB	-	57.5		
Wilshire Bl E of Westwood WB	-	56.2		
10850 Wilshire Boulevard	6.Fl	59.8		
Westwood Bl N of SM Bl NB	-	24.3		
Westwood Bl N of SM Bl SB	-	23.7		
Westwood Bl W of Westholme EB	-	16.0		
Westwood Bl W of Westholme WB	-	22.4		
Wilshire Bl E of Westwood EB	-	57.4		
Wilshire Bl E of Westwood WB	-	56.0		
10850 Wilshire Boulevard	7.Fl	59.7		
Westwood Bl N of SM Bl NB	-	24.5		

```
Westwood Bl N of SM Bl SB -       24.1
Westwood Bl W of Westholme EB     -       17.0
Westwood Bl W of Westholme WB     -       22.6
Wilshire Bl E of Westwood EB      -       57.3
Wilshire Bl E of Westwood WB      -       56.0
   10850 Wilshire Boulevard        8.Fl         59.4
Westwood Bl N of SM Bl NB -       24.7
Westwood Bl N of SM Bl SB -       24.4
Westwood Bl W of Westholme EB     -       16.2
Westwood Bl W of Westholme WB     -       23.2
Wilshire Bl E of Westwood EB      -       57.1
Wilshire Bl E of Westwood WB      -       55.5
   10850 Wilshire Boulevard        9.Fl         59.1
Westwood Bl N of SM Bl NB -       25.0
Westwood Bl N of SM Bl SB -       24.3
Westwood Bl W of Westholme EB     -       16.4
Westwood Bl W of Westholme WB     -       23.2
Wilshire Bl E of Westwood EB      -       56.7
Wilshire Bl E of Westwood WB      -       55.2
   10850 Wilshire Boulevard       10.Fl         58.7
Westwood Bl N of SM Bl NB -       25.3
Westwood Bl N of SM Bl SB -       24.1
Westwood Bl W of Westholme EB     -       17.3
Westwood Bl W of Westholme WB     -       23.8
Wilshire Bl E of Westwood EB      -       56.4
Wilshire Bl E of Westwood WB      -       54.9
   10850 Wilshire Boulevard       11.Fl         58.5
Westwood Bl N of SM Bl NB -       25.4
Westwood Bl N of SM Bl SB -       24.1
Westwood Bl W of Westholme EB     -       17.4
Westwood Bl W of Westholme WB     -       24.4
Wilshire Bl E of Westwood EB      -       56.2
Wilshire Bl E of Westwood WB      -       54.7
   10850 Wilshire Boulevard       12.Fl         58.4
Westwood Bl N of SM Bl NB -       25.5
Westwood Bl N of SM Bl SB -       24.2
Westwood Bl W of Westholme EB     -       17.4
Westwood Bl W of Westholme WB     -       25.2
Wilshire Bl E of Westwood EB      -       56.0
Wilshire Bl E of Westwood WB      -       54.7
   Wilshire Manning Condominiums        GF         60.7
Westwood Bl N of SM Bl NB -       18.2
Westwood Bl N of SM Bl SB -       17.2
Westwood Bl W of Westholme EB     -       58.4
Westwood Bl W of Westholme WB     -       56.8
Wilshire Bl E of Westwood EB      -       16.4
Wilshire Bl E of Westwood WB      -       16.8
   Wilshire Manning Condominiums        1.Fl         60.5
Westwood Bl N of SM Bl NB -       18.2
Westwood Bl N of SM Bl SB -       17.3
Westwood Bl W of Westholme EB     -       58.2
Westwood Bl W of Westholme WB     -       56.6
Wilshire Bl E of Westwood EB      -       17.3
Wilshire Bl E of Westwood WB      -       16.7
   Wilshire Manning Condominiums        2.Fl         60.2
Westwood Bl N of SM Bl NB -       18.4
Westwood Bl N of SM Bl SB -       17.6
Westwood Bl W of Westholme EB     -       57.8
Westwood Bl W of Westholme WB     -       56.3
Wilshire Bl E of Westwood EB      -       18.4
Wilshire Bl E of Westwood WB      -       17.3
   Wilshire Manning Condominiums        3.Fl         60.0
Westwood Bl N of SM Bl NB -       18.5
Westwood Bl N of SM Bl SB -       17.6
Westwood Bl W of Westholme EB     -       57.8
Westwood Bl W of Westholme WB     -       56.0
Wilshire Bl E of Westwood EB      -       17.8
Wilshire Bl E of Westwood WB      -       18.0
```

```
   Wilshire Manning Condominiums         4.Fl         59.6
Westwood Bl N of SM Bl NB -       18.7
Westwood Bl N of SM Bl SB -       17.7
Westwood Bl W of Westholme EB     -       57.4
Westwood Bl W of Westholme WB     -       55.6
Wilshire Bl E of Westwood EB      -       18.9
Wilshire Bl E of Westwood WB      -       18.8
   Wilshire Manning Condominiums         5.Fl         59.3
Westwood Bl N of SM Bl NB -       18.7
Westwood Bl N of SM Bl SB -       18.1
Westwood Bl W of Westholme EB     -       57.2
Westwood Bl W of Westholme WB     -       55.2
Wilshire Bl E of Westwood EB      -       19.6
Wilshire Bl E of Westwood WB      -       19.3
   Wilshire Manning Condominiums         6.Fl         59.1
Westwood Bl N of SM Bl NB -       18.7
Westwood Bl N of SM Bl SB -       18.1
Westwood Bl W of Westholme EB     -       57.0
Westwood Bl W of Westholme WB     -       55.0
Wilshire Bl E of Westwood EB      -       20.3
Wilshire Bl E of Westwood WB      -       19.9
   Wilshire Manning Condominiums         7.Fl         58.9
Westwood Bl N of SM Bl NB -       18.7
Westwood Bl N of SM Bl SB -       18.1
Westwood Bl W of Westholme EB     -       56.6
Westwood Bl W of Westholme WB     -       55.0
Wilshire Bl E of Westwood EB      -       18.2
Wilshire Bl E of Westwood WB      -       20.5
   Wilshire Manning Condominiums         8.Fl         58.7
Westwood Bl N of SM Bl NB -       18.9
Westwood Bl N of SM Bl SB -       18.3
Westwood Bl W of Westholme EB     -       56.4
Westwood Bl W of Westholme WB     -       54.8
Wilshire Bl E of Westwood EB      -       19.3
Wilshire Bl E of Westwood WB      -       21.3
   Wilshire Manning Condominiums         9.Fl         58.5
Westwood Bl N of SM Bl NB -       19.2
Westwood Bl N of SM Bl SB -       18.6
Westwood Bl W of Westholme EB     -       56.3
Westwood Bl W of Westholme WB     -       54.5
Wilshire Bl E of Westwood EB      -       19.8
Wilshire Bl E of Westwood WB      -       21.3
   Wilshire Manning Condominiums         10.Fl         58.4
Westwood Bl N of SM Bl NB -       19.4
Westwood Bl N of SM Bl SB -       18.9
Westwood Bl W of Westholme EB     -       56.2
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       21.0
Wilshire Bl E of Westwood WB      -       22.2
   Wilshire Manning Condominiums         11.Fl         58.1
Westwood Bl N of SM Bl NB -       19.2
Westwood Bl N of SM Bl SB -       19.0
Westwood Bl W of Westholme EB     -       55.8
Westwood Bl W of Westholme WB     -       54.1
Wilshire Bl E of Westwood EB      -       22.5
Wilshire Bl E of Westwood WB      -       23.7
   Wilshire Manning Condominiums         12.Fl         57.8
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       19.2
Westwood Bl W of Westholme EB     -       55.6
Westwood Bl W of Westholme WB     -       53.8
Wilshire Bl E of Westwood EB      -       22.5
Wilshire Bl E of Westwood WB      -       25.0
   Wilshire Manning Condominiums         13.Fl         57.8
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       19.2
Westwood Bl W of Westholme EB     -       55.5
Westwood Bl W of Westholme WB     -       53.8
```

```
Wilshire Bl E of Westwood EB      -       22.3
Wilshire Bl E of Westwood WB      -       26.6
   Wilshire Manning Condominiums         14.Fl         57.5
Westwood Bl N of SM Bl NB -       19.6
Westwood Bl N of SM Bl SB -       19.2
Westwood Bl W of Westholme EB     -       55.1
Westwood Bl W of Westholme WB     -       53.7
Wilshire Bl E of Westwood EB      -       23.2
Wilshire Bl E of Westwood WB      -       32.0
   Wilshire Manning Condominiums         15.Fl         57.3
Westwood Bl N of SM Bl NB -       19.7
Westwood Bl N of SM Bl SB -       19.4
Westwood Bl W of Westholme EB     -       54.9
Westwood Bl W of Westholme WB     -       53.6
Wilshire Bl E of Westwood EB      -       24.1
Wilshire Bl E of Westwood WB      -       31.2
```

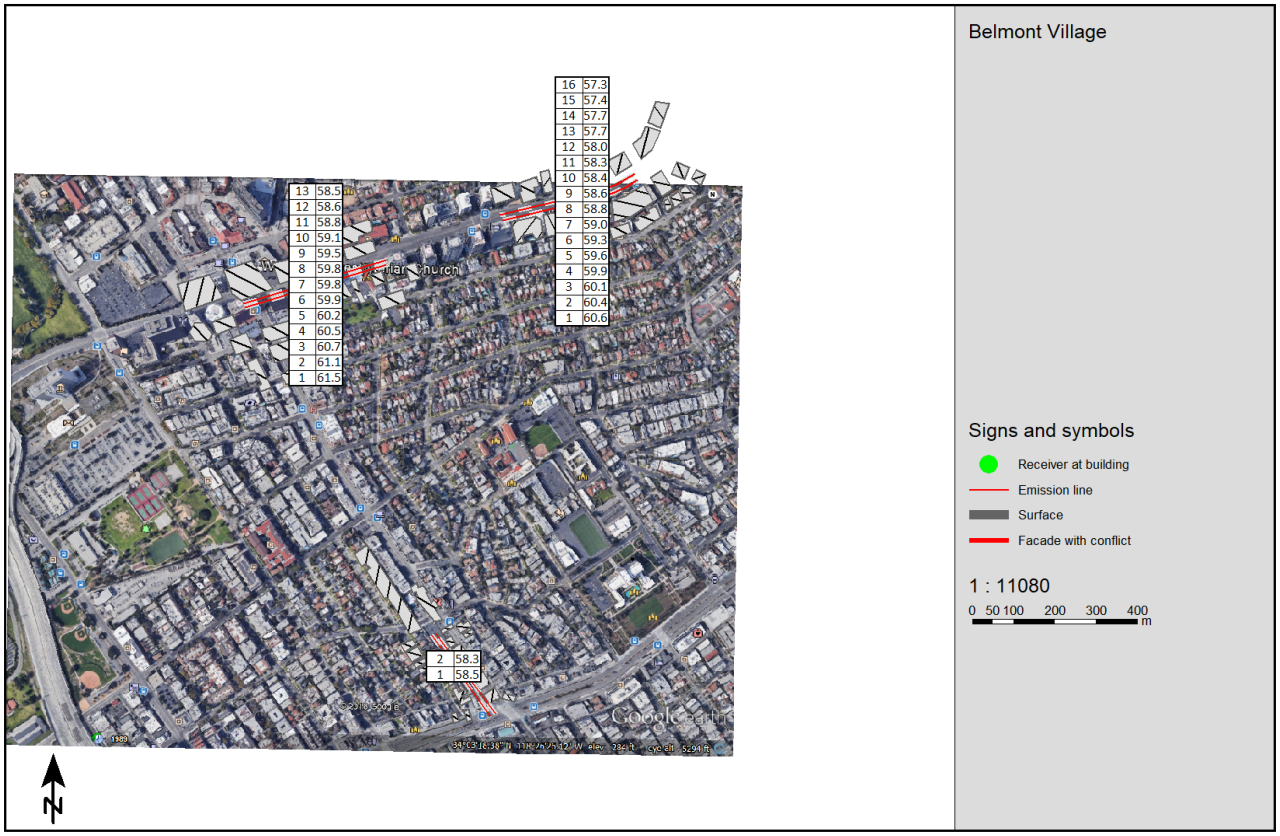
No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	
200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2
kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz				
1	1751 Westwood Boulevard		GF	L(Aeq1h)	24.1	32.4	36.7	38.6	39.4	
40.2	40.9	42.1	43.8	45.7	48.5	49.5	46.7	46.5	45.4	47.6
48.0	44.8	42.1	40.7	36.7	32.4	27.6	21.8			
1	1751 Westwood Boulevard		1.Fl	L(Aeq1h)	23.8	32.1	36.5	38.3	39.1	
39.9	40.6	41.8	43.6	45.6	48.2	49.5	46.5	46.2	45.3	47.4
47.6	44.3	41.6	40.2	36.3	31.6	27.1	20.8			
2	10850 Wilshire Boulevard		GF	L(Aeq1h)	26.5	34.6	38.8	41.0	41.9	
42.5	43.3	45.0	46.7	49.0	51.6	53.6	52.0	51.9	50.8	50.5
49.8	48.6	45.8	43.3	40.2	37.1	32.3	26.9			
2	10850 Wilshire Boulevard		1.Fl	L(Aeq1h)	26.4	34.2	39.2	40.5	41.5	
42.4	43.4	44.5	46.5	48.6	51.2	53.4	51.0	51.7	50.0	50.1
49.5	47.8	45.7	42.2	40.1	36.2	32.2	26.1			
2	10850 Wilshire Boulevard		2.Fl	L(Aeq1h)	26.3	33.6	38.8	40.5	41.2	
42.1	43.1	43.9	46.2	48.2	50.4	52.6	50.9	51.8	49.4	50.2
49.3	47.6	45.3	42.4	39.9	36.1	31.2	25.8			
2	10850 Wilshire Boulevard		3.Fl	L(Aeq1h)	26.1	33.4	37.9	40.4	41.0	
41.9	42.8	44.0	45.9	48.2	50.5	52.7	50.1	50.9	49.9	49.7
49.3	47.1	44.9	42.2	39.2	35.4	31.4	25.2			
2	10850 Wilshire Boulevard		4.Fl	L(Aeq1h)	25.6	33.4	37.5	39.9	40.3	
41.9	42.4	44.0	45.8	47.8	50.5	52.3	49.4	51.1	49.1	49.6
49.3	46.9	43.5	41.9	38.6	35.2	30.4	24.5			
2	10850 Wilshire Boulevard		5.Fl	L(Aeq1h)	25.1	33.3	37.7	39.4	40.4	
41.6	42.2	43.4	45.8	47.8	50.1	52.3	49.6	50.4	48.7	49.0
48.7	46.6	43.8	41.9	38.2	34.9	30.0	24.1			
2	10850 Wilshire Boulevard		6.Fl	L(Aeq1h)	24.7	33.1	38.0	39.4	40.4	
41.0	41.8	43.3	45.0	47.3	49.9	52.0	50.1	50.4	49.1	49.0
48.7	46.2	42.8	41.6	38.3	34.3	29.1	23.7			
2	10850 Wilshire Boulevard		7.Fl	L(Aeq1h)	24.3	32.5	37.9	39.3	40.1	
41.0	41.6	43.3	45.1	47.2	49.5	51.8	50.2	50.4	49.1	49.4
48.4	46.1	43.2	41.5	37.8	33.2	28.9	22.9			
2	10850 Wilshire Boulevard		8.Fl	L(Aeq1h)	24.1	32.1	37.5	38.8	39.9	
40.8	41.5	42.9	44.6	47.1	49.0	52.0	49.5	49.8	49.2	48.8
47.9	46.0	43.2	41.1	37.5	33.3	28.2	22.5			
2	10850 Wilshire Boulevard		9.Fl	L(Aeq1h)	24.2	31.7	37.1	38.3	39.8	
40.4	41.2	43.0	44.3	46.9	49.0	51.4	49.0	49.4	48.4	48.6
47.9	45.6	42.4	40.9	36.7	32.5	27.7	22.0			
2	10850 Wilshire Boulevard		10.Fl	L(Aeq1h)	24.1	31.8	36.7	38.2	39.6	
40.1	41.0	42.4	44.3	46.6	48.8	50.9	48.7	49.7	47.9	48.0
47.2	45.0	42.3	40.4	36.4	32.5	27.2	20.5			
2	10850 Wilshire Boulevard		11.Fl	L(Aeq1h)	24.0	31.9	36.6	38.2	39.3	
39.9	40.6	42.1	44.1	46.0	49.0	50.7	48.6	49.2	47.9	47.6
47.4	44.6	42.7	40.8	36.3	32.0	26.8	19.6			
2	10850 Wilshire Boulevard		12.Fl	L(Aeq1h)	23.8	31.9	36.5	38.1	38.9	
39.8	40.2	42.1	43.9	45.7	48.6	50.7	48.6	48.6	48.1	48.3
47.3	44.5	41.8	40.1	36.0	32.2	26.0	19.0			
3	Wilshire Manning Condominiums		GF	L(Aeq1h)	26.4	35.0	39.0	41.1		
42.0	42.8	43.6	44.7	46.9	49.0	51.0	53.3	51.2	51.0	49.1
48.2	47.7	47.3	46.2	42.7	39.3	35.1	30.9	22.9		
3	Wilshire Manning Condominiums		1.Fl	L(Aeq1h)	26.2	34.7	38.7	40.9		
41.7	42.6	43.4	44.8	46.8	48.9	50.9	52.8	50.8	50.8	49.0
48.3	47.5	47.1	45.6	42.4	39.1	34.7	30.5	22.8		
3	Wilshire Manning Condominiums		2.Fl	L(Aeq1h)	25.9	34.4	38.4	40.6		
41.5	42.4	43.1	44.6	46.3	48.4	50.6	52.5	50.6	50.7	48.5
47.9	47.3	47.0	45.5	41.9	38.0	34.3	29.8	22.2		
3	Wilshire Manning Condominiums		3.Fl	L(Aeq1h)	25.6	34.0	38.2	40.3		
41.1	42.0	42.7	44.3	46.1	48.1	50.5	52.6	50.6	50.8	47.9
47.2	47.4	46.4	44.9	41.4	38.0	34.1	29.3	22.0		
3	Wilshire Manning Condominiums		4.Fl	L(Aeq1h)	25.3	33.8	38.0	40.0		
40.8	41.6	42.5	44.0	45.8	47.5	50.4	52.0	50.1	50.3	47.5
47.3	46.9	46.5	44.6	41.5	37.5	33.5	28.8	21.5		
3	Wilshire Manning Condominiums		5.Fl	L(Aeq1h)	25.2	33.5	37.8	39.8		
40.6	41.3	42.3	43.7	45.5	47.2	49.8	51.8	49.8	49.8	47.6
47.3	46.8	46.2	44.5	40.7	37.4	33.5	27.7	21.5		
3	Wilshire Manning Condominiums		6.Fl	L(Aeq1h)	24.9	33.2	37.6	39.6		
40.3	40.9	42.1	43.4	45.2	47.3	49.7	51.3	49.8	49.3	47.0

```
47.1    46.8    45.9    44.3    40.8    36.7    33.1    27.6    21.2
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h) 24.8   33.0    37.5    39.4
40.1    40.7    41.9    43.2    45.0    46.8    49.3    51.6    49.0    49.4    46.9
47.2    46.4    45.4    44.1    40.4    36.6    33.0    26.3    21.2
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h) 24.6   32.8    37.3    39.1
39.9    40.5    41.7    43.0    44.9    46.4    49.2    51.1    49.1    49.3    46.5
47.0    46.3    46.0    43.7    39.8    36.1    32.8    26.0    20.3
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h) 24.4   32.5    37.1    38.9
39.6    40.4    41.4    42.7    44.6    46.6    49.1    51.1    48.5    48.8    47.0
46.5    46.1    45.3    43.6    39.7    36.0    32.4    25.3    19.7
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h) 24.2   32.4    37.0    38.7
39.5    40.3    41.1    42.5    44.3    46.8    48.8    51.2    48.6    48.7    46.4
46.2    46.1    45.4    43.2    39.3    35.4    32.2    25.0    19.0
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h) 24.0   32.2    36.8    38.5
39.3    40.1    40.9    42.3    44.1    46.6    48.6    50.9    48.1    48.2    45.7
46.1    46.3    45.0    42.7    38.8    35.3    31.8    24.5    18.4
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h) 23.9   32.0    36.6    38.5
39.2    40.0    40.8    42.3    43.9    46.1    48.5    50.5    47.7    47.9    45.4
45.8    45.9    44.9    42.7    38.6    35.3    31.3    24.2    17.8
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h) 23.7   31.9    36.5    38.2
39.1    39.8    40.6    42.1    43.7    45.8    48.6    50.1    48.4    47.5    46.3
45.7    46.3    44.7    42.3    38.2    35.2    31.5    23.9    17.2
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h) 23.6   31.7    36.3    38.0
39.0    39.7    40.4    42.1    43.5    45.7    47.9    50.3    48.0    47.4    44.8
44.9    46.2    44.2    42.1    38.2    34.8    31.1    23.3    16.4
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h) 23.4   31.5    36.1    37.9
38.8    39.5    40.3    42.0    43.4    45.8    47.5    50.3    47.1    47.2    45.3
45.3    45.8    44.5    41.9    37.9    34.5    30.5    22.3    15.6
```

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h	km/h	%		%		
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	45624	Total	-	1901	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45624	Automobiles	-	1901	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45624	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45624	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45624	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45624	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	45624	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	52152	Total	-	2173	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52152	Automobiles	-	2173	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52152	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52152	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52152	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52152	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	52152	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	17376	Total	-	724	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17376	Automobiles	-	724	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17376	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17376	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17376	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17376	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	17376	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	28872	Total	-	1203	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28872	Automobiles	-	1203	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28872	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28872	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28872	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28872	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	28872	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

```
0+244    -        -        -        -        -        -
   Westwood Bl W of Westholme WB      Traffic direction:    In entry direction
0+000    28872    Total    -        1203     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    28872    Automobiles      -        1203     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28872    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28872    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28872    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    28872    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    28872    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.1 / 5.2
0+101    55776    Total    -        2324     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    55776    Automobiles      -        2324     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    55776    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    55776    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    55776    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    55776    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    55776    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.0
0+342    -        -        -        -        -        -
   Westwood Bl W of Westholme EB      Traffic direction:    In entry direction
0+000    53352    Total    -        2223     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    53352    Automobiles      -        2223     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    53352    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    53352    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    53352    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    53352    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    53352    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) -23.5 / 5.1
0+342    -        -        -        -        -        -
```

TRAFFIC NOISE MODELING
FUTURE PM


16 57.3
15 57.4
14 57.7
13 57.7
12 58.0
11 58.3
10 58.4
9 58.6
8 58.8
7 59.0
6 59.3
5 59.6
4 59.9
3 60.1
2 60.4
1 60.6
13 58.5
12 58.6
11 58.8
10 59.1
9 59.5
8 59.8
7 59.8
6 59.9
5 60.2
4 60.5
3 60.7
2 61.1
1 61.5
2 58.3
1 58.5
Belmont Village
Signs and symbols
Receiver at building
Emission line
Surface
Facade with conflict
1 : 11080
0 50 100 200 300 400
m
N

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard	GF		58.5	
Westwood Bl N of SM Bl NB	-	55.1		
Westwood Bl N of SM Bl SB	-	55.9		
Westwood Bl W of Westholme EB	-		13.8	
Westwood Bl W of Westholme WB	-		6.9	
Wilshire Bl E of Westwood EB	-		28.1	
Wilshire Bl E of Westwood WB	-		26.4	
1751 Westwood Boulevard	1.Fl		58.3	
Westwood Bl N of SM Bl NB	-	54.8		
Westwood Bl N of SM Bl SB	-	55.6		
Westwood Bl W of Westholme EB	-		13.5	
Westwood Bl W of Westholme WB	-		7.1	
Wilshire Bl E of Westwood EB	-		28.6	
Wilshire Bl E of Westwood WB	-		26.4	
10850 Wilshire Boulevard	GF		61.5	
Westwood Bl N of SM Bl NB	-	22.6		
Westwood Bl N of SM Bl SB	-	25.1		
Westwood Bl W of Westholme EB	-		15.8	
Westwood Bl W of Westholme WB	-		19.3	
Wilshire Bl E of Westwood EB	-		59.4	
Wilshire Bl E of Westwood WB	-		57.3	
10850 Wilshire Boulevard	1.Fl		61.1	
Westwood Bl N of SM Bl NB	-	22.9		
Westwood Bl N of SM Bl SB	-	25.2		
Westwood Bl W of Westholme EB	-		16.0	
Westwood Bl W of Westholme WB	-		20.1	
Wilshire Bl E of Westwood EB	-		59.0	
Wilshire Bl E of Westwood WB	-		56.9	
10850 Wilshire Boulevard	2.Fl		60.7	
Westwood Bl N of SM Bl NB	-	23.1		
Westwood Bl N of SM Bl SB	-	25.3		
Westwood Bl W of Westholme EB	-		15.4	
Westwood Bl W of Westholme WB	-		20.1	
Wilshire Bl E of Westwood EB	-		58.7	
Wilshire Bl E of Westwood WB	-		56.5	
10850 Wilshire Boulevard	3.Fl		60.5	
Westwood Bl N of SM Bl NB	-	23.4		
Westwood Bl N of SM Bl SB	-	25.3		
Westwood Bl W of Westholme EB	-		15.7	
Westwood Bl W of Westholme WB	-		20.0	
Wilshire Bl E of Westwood EB	-		58.4	
Wilshire Bl E of Westwood WB	-		56.3	
10850 Wilshire Boulevard	4.Fl		60.2	
Westwood Bl N of SM Bl NB	-	23.7		
Westwood Bl N of SM Bl SB	-	25.2		
Westwood Bl W of Westholme EB	-		15.9	
Westwood Bl W of Westholme WB	-		20.8	
Wilshire Bl E of Westwood EB	-		58.0	
Wilshire Bl E of Westwood WB	-		56.2	
10850 Wilshire Boulevard	5.Fl		59.9	
Westwood Bl N of SM Bl NB	-	23.7		
Westwood Bl N of SM Bl SB	-	25.5		
Westwood Bl W of Westholme EB	-		16.1	
Westwood Bl W of Westholme WB	-		21.2	
Wilshire Bl E of Westwood EB	-		57.7	
Wilshire Bl E of Westwood WB	-		55.9	
10850 Wilshire Boulevard	6.Fl		59.8	
Westwood Bl N of SM Bl NB	-	23.8		
Westwood Bl N of SM Bl SB	-	25.8		
Westwood Bl W of Westholme EB	-		16.4	
Westwood Bl W of Westholme WB	-		21.7	
Wilshire Bl E of Westwood EB	-		57.7	
Wilshire Bl E of Westwood WB	-		55.7	
10850 Wilshire Boulevard	7.Fl		59.8	
Westwood Bl N of SM Bl NB	-	24.0		

```
Westwood Bl N of SM Bl SB -       26.3
Westwood Bl W of Westholme EB     -       17.3
Westwood Bl W of Westholme WB     -       21.9
Wilshire Bl E of Westwood EB      -       57.6
Wilshire Bl E of Westwood WB      -       55.7
   10850 Wilshire Boulevard         8.Fl         59.5
Westwood Bl N of SM Bl NB -       24.2
Westwood Bl N of SM Bl SB -       26.5
Westwood Bl W of Westholme EB     -       16.5
Westwood Bl W of Westholme WB     -       22.5
Wilshire Bl E of Westwood EB      -       57.4
Wilshire Bl E of Westwood WB      -       55.3
   10850 Wilshire Boulevard         9.Fl         59.1
Westwood Bl N of SM Bl NB -       24.5
Westwood Bl N of SM Bl SB -       26.5
Westwood Bl W of Westholme EB     -       16.7
Westwood Bl W of Westholme WB     -       22.5
Wilshire Bl E of Westwood EB      -       57.0
Wilshire Bl E of Westwood WB      -       55.0
   10850 Wilshire Boulevard        10.Fl         58.8
Westwood Bl N of SM Bl NB -       24.8
Westwood Bl N of SM Bl SB -       26.3
Westwood Bl W of Westholme EB     -       17.6
Westwood Bl W of Westholme WB     -       23.1
Wilshire Bl E of Westwood EB      -       56.6
Wilshire Bl E of Westwood WB      -       54.6
   10850 Wilshire Boulevard        11.Fl         58.6
Westwood Bl N of SM Bl NB -       25.0
Westwood Bl N of SM Bl SB -       26.3
Westwood Bl W of Westholme EB     -       17.7
Westwood Bl W of Westholme WB     -       23.7
Wilshire Bl E of Westwood EB      -       56.5
Wilshire Bl E of Westwood WB      -       54.4
   10850 Wilshire Boulevard        12.Fl         58.5
Westwood Bl N of SM Bl NB -       25.0
Westwood Bl N of SM Bl SB -       26.4
Westwood Bl W of Westholme EB     -       17.7
Westwood Bl W of Westholme WB     -       24.5
Wilshire Bl E of Westwood EB      -       56.3
Wilshire Bl E of Westwood WB      -       54.4
   Wilshire Manning Condominiums        GF         60.6
Westwood Bl N of SM Bl NB -       17.8
Westwood Bl N of SM Bl SB -       19.3
Westwood Bl W of Westholme EB     -       58.7
Westwood Bl W of Westholme WB     -       56.1
Wilshire Bl E of Westwood EB      -       16.6
Wilshire Bl E of Westwood WB      -       16.6
   Wilshire Manning Condominiums        1.Fl         60.4
Westwood Bl N of SM Bl NB -       17.8
Westwood Bl N of SM Bl SB -       19.5
Westwood Bl W of Westholme EB     -       58.5
Westwood Bl W of Westholme WB     -       55.9
Wilshire Bl E of Westwood EB      -       17.6
Wilshire Bl E of Westwood WB      -       16.4
   Wilshire Manning Condominiums        2.Fl         60.1
Westwood Bl N of SM Bl NB -       17.9
Westwood Bl N of SM Bl SB -       19.8
Westwood Bl W of Westholme EB     -       58.1
Westwood Bl W of Westholme WB     -       55.6
Wilshire Bl E of Westwood EB      -       18.7
Wilshire Bl E of Westwood WB      -       17.1
   Wilshire Manning Condominiums        3.Fl         59.9
Westwood Bl N of SM Bl NB -       18.0
Westwood Bl N of SM Bl SB -       19.8
Westwood Bl W of Westholme EB     -       58.1
Westwood Bl W of Westholme WB     -       55.3
Wilshire Bl E of Westwood EB      -       18.1
Wilshire Bl E of Westwood WB      -       17.8
```

```
   Wilshire Manning Condominiums         4.Fl         59.6
Westwood Bl N of SM Bl NB -       18.2
Westwood Bl N of SM Bl SB -       19.9
Westwood Bl W of Westholme EB     -       57.7
Westwood Bl W of Westholme WB     -       54.9
Wilshire Bl E of Westwood EB      -       19.1
Wilshire Bl E of Westwood WB      -       18.5
   Wilshire Manning Condominiums         5.Fl         59.3
Westwood Bl N of SM Bl NB -       18.2
Westwood Bl N of SM Bl SB -       20.2
Westwood Bl W of Westholme EB     -       57.6
Westwood Bl W of Westholme WB     -       54.5
Wilshire Bl E of Westwood EB      -       19.9
Wilshire Bl E of Westwood WB      -       19.0
   Wilshire Manning Condominiums         6.Fl         59.0
Westwood Bl N of SM Bl NB -       18.3
Westwood Bl N of SM Bl SB -       20.2
Westwood Bl W of Westholme EB     -       57.3
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       20.6
Wilshire Bl E of Westwood WB      -       19.6
   Wilshire Manning Condominiums         7.Fl         58.8
Westwood Bl N of SM Bl NB -       18.2
Westwood Bl N of SM Bl SB -       20.3
Westwood Bl W of Westholme EB     -       56.9
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       18.5
Wilshire Bl E of Westwood WB      -       20.3
   Wilshire Manning Condominiums         8.Fl         58.6
Westwood Bl N of SM Bl NB -       18.4
Westwood Bl N of SM Bl SB -       20.5
Westwood Bl W of Westholme EB     -       56.8
Westwood Bl W of Westholme WB     -       54.1
Wilshire Bl E of Westwood EB      -       19.5
Wilshire Bl E of Westwood WB      -       21.1
   Wilshire Manning Condominiums         9.Fl         58.4
Westwood Bl N of SM Bl NB -       18.7
Westwood Bl N of SM Bl SB -       20.8
Westwood Bl W of Westholme EB     -       56.6
Westwood Bl W of Westholme WB     -       53.8
Wilshire Bl E of Westwood EB      -       20.0
Wilshire Bl E of Westwood WB      -       21.0
   Wilshire Manning Condominiums         10.Fl         58.3
Westwood Bl N of SM Bl NB -       18.9
Westwood Bl N of SM Bl SB -       21.0
Westwood Bl W of Westholme EB     -       56.5
Westwood Bl W of Westholme WB     -       53.6
Wilshire Bl E of Westwood EB      -       21.3
Wilshire Bl E of Westwood WB      -       21.9
   Wilshire Manning Condominiums         11.Fl         58.0
Westwood Bl N of SM Bl NB -       18.7
Westwood Bl N of SM Bl SB -       21.2
Westwood Bl W of Westholme EB     -       56.2
Westwood Bl W of Westholme WB     -       53.4
Wilshire Bl E of Westwood EB      -       22.8
Wilshire Bl E of Westwood WB      -       23.5
   Wilshire Manning Condominiums         12.Fl         57.7
Westwood Bl N of SM Bl NB -       18.9
Westwood Bl N of SM Bl SB -       21.4
Westwood Bl W of Westholme EB     -       55.9
Westwood Bl W of Westholme WB     -       53.1
Wilshire Bl E of Westwood EB      -       22.7
Wilshire Bl E of Westwood WB      -       24.8
   Wilshire Manning Condominiums         13.Fl         57.7
Westwood Bl N of SM Bl NB -       18.8
Westwood Bl N of SM Bl SB -       21.3
Westwood Bl W of Westholme EB     -       55.9
Westwood Bl W of Westholme WB     -       53.1
```

Wilshire Bl E of Westwood EB	–	22.5		
Wilshire Bl E of Westwood WB	–	26.4		
Wilshire Manning Condominiums		14.Fl		57.4
Westwood Bl N of SM Bl NB	–	19.1		
Westwood Bl N of SM Bl SB	–	21.4		
Westwood Bl W of Westholme EB	–	55.4		
Westwood Bl W of Westholme WB	–	53.0		
Wilshire Bl E of Westwood EB	–	23.4		
Wilshire Bl E of Westwood WB	–	31.8		
Wilshire Manning Condominiums		15.Fl		57.3
Westwood Bl N of SM Bl NB	–	19.3		
Westwood Bl N of SM Bl SB	–	21.6		
Westwood Bl W of Westholme EB	–	55.2		
Westwood Bl W of Westholme WB	–	52.9		
Wilshire Bl E of Westwood EB	–	24.4		
Wilshire Bl E of Westwood WB	–	31.0		

No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	
200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2
kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz				
1	1751 Westwood Boulevard		GF	L(Aeq1h)	24.8	33.1	37.5	39.4	40.2	
41.0	41.7	42.8	44.6	46.4	49.2	50.3	47.3	47.3	46.1	48.5
48.8	45.5	42.9	41.5	37.5	33.1	28.2	22.5			
1	1751 Westwood Boulevard		1.Fl	L(Aeq1h)	24.5	32.8	37.2	39.1	39.9	
40.7	41.4	42.6	44.3	46.3	48.9	50.4	47.2	47.0	46.0	48.2
48.4	45.0	42.4	41.0	37.2	32.3	27.7	21.6			
2	10850 Wilshire Boulevard		GF	L(Aeq1h)	26.5	34.7	38.9	41.0	42.0	
42.5	43.4	45.0	46.8	49.0	51.6	53.6	52.0	52.0	50.9	50.5
49.9	48.7	45.9	43.4	40.3	37.2	32.4	27.0			
2	10850 Wilshire Boulevard		1.Fl	L(Aeq1h)	26.4	34.3	39.2	40.6	41.6	
42.4	43.4	44.6	46.5	48.6	51.3	53.4	51.1	51.8	50.1	50.2
49.6	47.8	45.7	42.3	40.2	36.3	32.2	26.2			
2	10850 Wilshire Boulevard		2.Fl	L(Aeq1h)	26.3	33.7	38.9	40.6	41.2	
42.1	43.1	44.0	46.3	48.3	50.5	52.7	50.9	51.8	49.4	50.2
49.4	47.6	45.3	42.5	39.9	36.2	31.2	25.9			
2	10850 Wilshire Boulevard		3.Fl	L(Aeq1h)	26.1	33.5	38.0	40.5	41.0	
42.0	42.8	44.0	46.0	48.2	50.6	52.8	50.1	50.9	50.0	49.8
49.3	47.2	44.9	42.3	39.2	35.6	31.4	25.3			
2	10850 Wilshire Boulevard		4.Fl	L(Aeq1h)	25.7	33.5	37.6	39.9	40.4	
41.9	42.4	44.1	45.8	47.9	50.6	52.3	49.4	51.1	49.1	49.6
49.4	46.9	43.6	42.0	38.6	35.3	30.5	24.6			
2	10850 Wilshire Boulevard		5.Fl	L(Aeq1h)	25.1	33.4	37.8	39.5	40.4	
41.6	42.2	43.4	45.8	47.9	50.1	52.4	49.6	50.4	48.7	49.0
48.8	46.6	43.8	42.0	38.2	35.0	30.1	24.2			
2	10850 Wilshire Boulevard		6.Fl	L(Aeq1h)	24.7	33.1	38.0	39.4	40.4	
41.1	41.8	43.3	45.0	47.4	50.0	52.0	50.1	50.4	49.1	49.1
48.7	46.3	42.8	41.7	38.4	34.4	29.2	23.8			
2	10850 Wilshire Boulevard		7.Fl	L(Aeq1h)	24.4	32.6	37.9	39.3	40.1	
41.1	41.7	43.3	45.1	47.2	49.5	51.9	50.3	50.4	49.1	49.4
48.5	46.2	43.2	41.6	37.8	33.4	29.0	23.0			
2	10850 Wilshire Boulevard		8.Fl	L(Aeq1h)	24.2	32.1	37.5	38.9	39.9	
40.9	41.5	43.0	44.7	47.1	49.1	52.0	49.6	49.8	49.3	48.8
48.0	46.0	43.3	41.2	37.5	33.4	28.3	22.6			
2	10850 Wilshire Boulevard		9.Fl	L(Aeq1h)	24.3	31.8	37.1	38.4	39.9	
40.4	41.2	43.0	44.4	47.0	49.0	51.5	49.0	49.5	48.5	48.6
47.9	45.6	42.4	40.9	36.8	32.6	27.8	22.1			
2	10850 Wilshire Boulevard		10.Fl	L(Aeq1h)	24.2	31.8	36.8	38.3	39.6	
40.2	41.1	42.5	44.3	46.7	48.8	50.9	48.7	49.7	48.0	48.1
47.3	45.0	42.4	40.5	36.4	32.5	27.3	20.6			
2	10850 Wilshire Boulevard		11.Fl	L(Aeq1h)	24.1	32.0	36.6	38.3	39.3	
39.9	40.7	42.2	44.1	46.1	49.0	50.8	48.6	49.2	48.0	47.6
47.4	44.7	42.7	40.9	36.3	32.1	26.9	19.7			
2	10850 Wilshire Boulevard		12.Fl	L(Aeq1h)	23.8	32.0	36.6	38.1	39.0	
39.9	40.3	42.2	44.0	45.7	48.6	50.7	48.7	48.7	48.2	48.3
47.3	44.5	41.9	40.1	36.1	32.3	26.0	19.1			
3	Wilshire Manning Condominiums		GF	L(Aeq1h)	26.2	34.8	38.8	41.0		
41.8	42.6	43.4	44.6	46.8	48.9	50.8	53.2	51.1	50.9	49.1
48.3	47.7	47.2	46.0	42.7	39.2	35.1	30.7	22.8		
3	Wilshire Manning Condominiums		1.Fl	L(Aeq1h)	26.0	34.5	38.5	40.8		
41.6	42.5	43.3	44.6	46.7	48.9	50.9	52.7	50.7	50.8	49.1
48.4	47.5	47.0	45.4	42.3	39.0	34.7	30.4	22.7		
3	Wilshire Manning Condominiums		2.Fl	L(Aeq1h)	25.7	34.2	38.3	40.5		
41.3	42.2	42.9	44.5	46.2	48.3	50.5	52.4	50.5	50.6	48.5
48.0	47.3	46.9	45.3	41.9	37.9	34.3	29.7	22.1		
3	Wilshire Manning Condominiums		3.Fl	L(Aeq1h)	25.4	33.9	38.0	40.1		
41.0	41.8	42.6	44.2	45.9	47.9	50.4	52.6	50.5	50.8	48.0
47.3	47.4	46.2	44.7	41.3	37.9	34.1	29.3	21.8		
3	Wilshire Manning Condominiums		4.Fl	L(Aeq1h)	25.2	33.6	37.8	39.9		
40.7	41.5	42.4	43.9	45.7	47.4	50.3	51.9	50.1	50.3	47.6
47.4	46.9	46.3	44.4	41.5	37.4	33.4	28.7	21.3		
3	Wilshire Manning Condominiums		5.Fl	L(Aeq1h)	25.0	33.4	37.7	39.7		
40.4	41.1	42.2	43.6	45.4	47.1	49.8	51.8	49.7	49.9	47.7
47.4	46.8	46.1	44.3	40.7	37.4	33.5	27.7	21.4		
3	Wilshire Manning Condominiums		6.Fl	L(Aeq1h)	24.8	33.0	37.5	39.4		
40.2	40.8	42.0	43.3	45.1	47.3	49.6	51.2	49.8	49.4	47.2

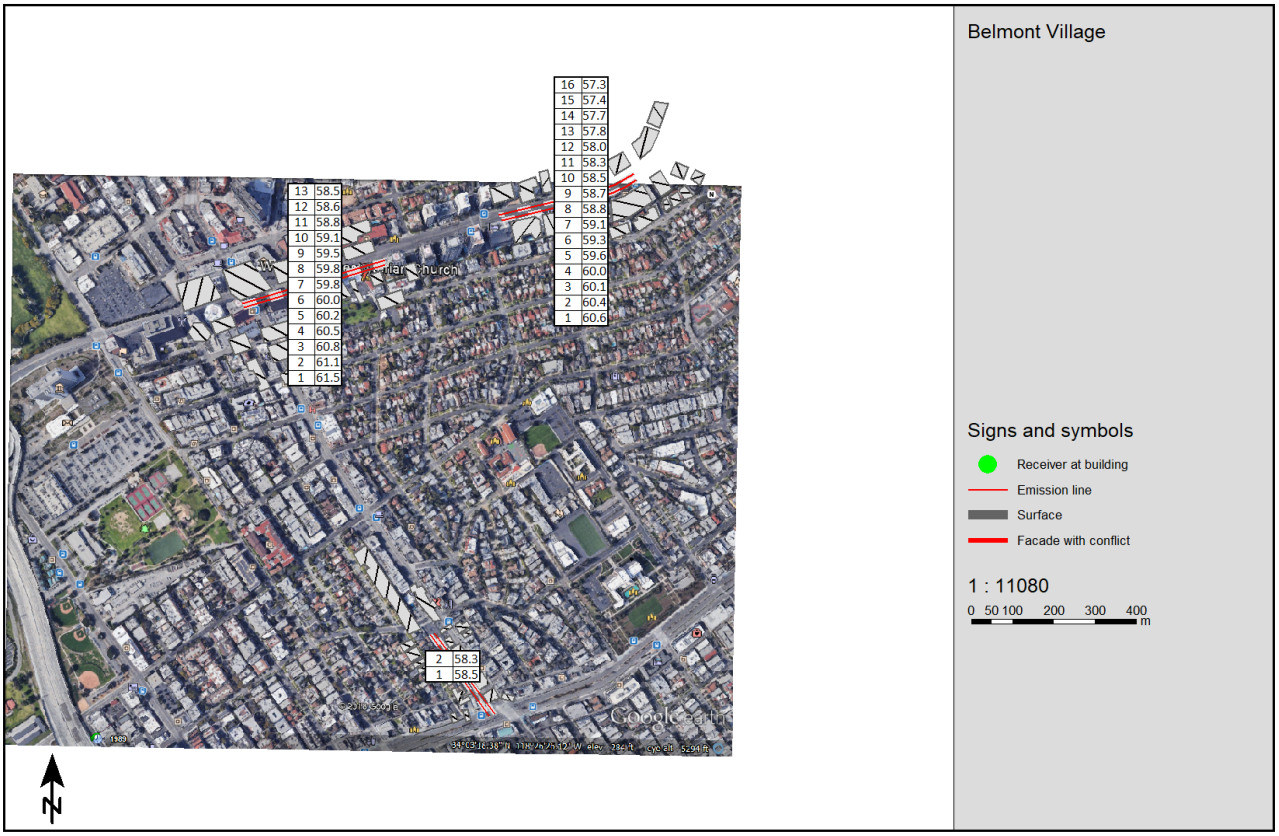
```
47.2    46.8    45.8    44.1    40.8    36.6    33.0    27.6    21.1
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h) 24.6   32.8    37.3    39.2
39.9    40.5    41.8    43.1    44.9    46.7    49.3    51.5    48.9    49.4    47.0
47.3    46.3    45.1    44.0    40.4    36.5    32.9    26.3    21.2
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h) 24.4   32.6    37.2    39.0
39.7    40.3    41.5    42.9    44.7    46.2    49.1    51.0    49.1    49.3    46.6
47.1    46.3    45.8    43.6    39.8    36.0    32.7    26.0    20.2
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h) 24.2   32.4    37.0    38.7
39.5    40.2    41.2    42.6    44.4    46.4    49.0    51.1    48.5    48.7    47.2
46.6    46.0    45.1    43.5    39.7    35.8    32.3    25.4    19.6
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h) 24.0   32.2    36.8    38.5
39.3    40.1    41.0    42.4    44.2    46.8    48.7    51.1    48.5    48.7    46.5
46.2    46.0    45.3    43.0    39.2    35.3    32.1    25.0    18.9
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h) 23.8   32.0    36.7    38.4
39.1    39.9    40.8    42.2    44.0    46.5    48.5    50.8    48.0    48.2    45.8
46.2    46.2    44.8    42.6    38.7    35.2    31.7    24.6    18.4
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h) 23.7   31.9    36.5    38.3
39.0    39.8    40.6    42.1    43.7    46.0    48.5    50.5    47.7    47.9    45.5
45.9    45.7    44.7    42.6    38.5    35.2    31.2    24.3    17.9
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h) 23.5   31.7    36.3    38.0
38.9    39.7    40.4    42.0    43.5    45.6    48.5    50.0    48.3    47.5    46.4
45.7    46.3    44.5    42.2    38.2    35.1    31.4    23.9    17.3
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h) 23.4   31.5    36.2    37.9
38.8    39.5    40.3    41.9    43.4    45.6    47.8    50.2    48.0    47.4    44.8
44.9    46.1    43.9    42.0    38.2    34.7    31.0    23.3    16.4
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h) 23.2   31.4    36.0    37.7
38.6    39.3    40.2    41.8    43.2    45.6    47.4    50.3    47.1    47.1    45.5
45.3    45.7    44.3    41.8    37.8    34.4    30.3    22.2    15.6
```

No.	Receiver name	Building side	Limit Floor dB(A)	Level L(Aeq1h) dB(A)	Conflict L(Aeq1h) dB			
1	1751 Westwood Boulevard	North east		GF	75	58.5	–	
1	1751 Westwood Boulevard	North east		1.Fl	75	58.3	–	
2	10850 Wilshire Boulevard	North	GF	75	61.5	–		
2	10850 Wilshire Boulevard	North	1.Fl	75	61.1	–		
2	10850 Wilshire Boulevard	North	2.Fl	75	60.7	–		
2	10850 Wilshire Boulevard	North	3.Fl	75	60.5	–		
2	10850 Wilshire Boulevard	North	4.Fl	75	60.2	–		
2	10850 Wilshire Boulevard	North	5.Fl	75	59.9	–		
2	10850 Wilshire Boulevard	North	6.Fl	75	59.8	–		
2	10850 Wilshire Boulevard	North	7.Fl	75	59.8	–		
2	10850 Wilshire Boulevard	North	8.Fl	75	59.5	–		
2	10850 Wilshire Boulevard	North	9.Fl	75	59.1	–		
2	10850 Wilshire Boulevard	North	10.Fl	75	58.8	–		
2	10850 Wilshire Boulevard	North	11.Fl	75	58.6	–		
2	10850 Wilshire Boulevard	North	12.Fl	75	58.5	–		
3	Wilshire Manning Condominiums	North	GF	70	60.6	–		
3	Wilshire Manning Condominiums	North	1.Fl	70	60.4	–		
3	Wilshire Manning Condominiums	North	2.Fl	70	60.1	–		
3	Wilshire Manning Condominiums	North	3.Fl	70	59.9	–		
3	Wilshire Manning Condominiums	North	4.Fl	70	59.6	–		
3	Wilshire Manning Condominiums	North	5.Fl	70	59.3	–		
3	Wilshire Manning Condominiums	North	6.Fl	70	59.0	–		
3	Wilshire Manning Condominiums	North	7.Fl	70	58.8	–		
3	Wilshire Manning Condominiums	North	8.Fl	70	58.6	–		
3	Wilshire Manning Condominiums	North	9.Fl	70	58.4	–		
3	Wilshire Manning Condominiums	North	10.Fl	70	58.3	–		
3	Wilshire Manning Condominiums	North	11.Fl	70	58.0	–		
3	Wilshire Manning Condominiums	North	12.Fl	70	57.7	–		
3	Wilshire Manning Condominiums	North	13.Fl	70	57.7	–		
3	Wilshire Manning Condominiums	North	14.Fl	70	57.4	–		
3	Wilshire Manning Condominiums	North	15.Fl	70	57.3	–		

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h		km/h	%		%	
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	42936	Total	-	1789	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	42936	Automobiles	-	1789	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	42936	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	42936	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	42936	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	42936	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	42936	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	55224	Total	-	2301	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55224	Automobiles	-	2301	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55224	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55224	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55224	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55224	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55224	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	28536	Total	-	1189	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28536	Automobiles	-	1189	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28536	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28536	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28536	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28536	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28536	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	25968	Total	-	1082	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	25968	Automobiles	-	1082	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	25968	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	25968	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	25968	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	25968	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	25968	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

```
0+244    -        -        -        -        -        -
   Westwood Bl W of Westholme WB      Traffic direction:    In entry direction
0+000    25968    Total    -        1082     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    25968    Automobiles      -        1082     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    25968    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    25968    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    25968    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.1 / 5.2
0+000    25968    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.1 / 5.2
0+000    25968    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.1 / 5.2
0+101    47472    Total    -        1978     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    47472    Automobiles      -        1978     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    47472    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    47472    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    47472    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         3.0
0+101    47472    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) 3.0
0+101    47472    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) 3.0
0+342    -        -        -        -        -        -
   Westwood Bl W of Westholme EB      Traffic direction:    In entry direction
0+000    57480    Total    -        2395     -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    57480    Automobiles      -        2395     56       Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    57480    Medium trucks    -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    57480    Heavy trucks     -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    57480    Buses    -        -        -        Traffic light    56.0     100.0    Average
(of DGAC and PCC)         -23.5 / 5.1
0+000    57480    Motorcycles      -        -        -        Traffic light    56.0     100.0
Average (of DGAC and PCC) -23.5 / 5.1
0+000    57480    Auxiliary vehicle         -        -        -        Traffic light    56.0
100.0    Average (of DGAC and PCC) -23.5 / 5.1
0+342    -        -        -        -        -        -
```

TRAFFIC NOISE MODELING
FUTURE+PROJECT PM


16 57.3
15 57.4
14 57.7
13 57.8
12 58.0
11 58.3
10 58.5
9 58.7
8 58.8
7 59.1
6 59.3
5 59.6
4 60.0
3 60.1
2 60.4
1 60.6
13 58.5
12 58.6
11 58.8
10 59.1
9 59.5
8 59.8
7 59.8
6 60.0
5 60.2
4 60.5
3 60.8
2 61.1
1 61.5
2 58.3
1 58.5
Belmont Village
Signs and symbols
Receiver at building
Emission line
Surface
Facade with conflict
1 : 11080
0 50 100 200 300 400
m
N

Source name	Level Traffic lane dB(A)	L(Aeq1h)		
1751 Westwood Boulevard		GF		58.5
Westwood Bl N of SM Bl NB	-	55.1		
Westwood Bl N of SM Bl SB	-	55.9		
Westwood Bl W of Westholme EB	-		13.8	
Westwood Bl W of Westholme WB	-		6.9	
Wilshire Bl E of Westwood EB	-		28.2	
Wilshire Bl E of Westwood WB	-		26.4	
1751 Westwood Boulevard		1.Fl		58.3
Westwood Bl N of SM Bl NB	-	54.9		
Westwood Bl N of SM Bl SB	-	55.6		
Westwood Bl W of Westholme EB	-		13.5	
Westwood Bl W of Westholme WB	-		7.1	
Wilshire Bl E of Westwood EB	-		28.7	
Wilshire Bl E of Westwood WB	-		26.4	
10850 Wilshire Boulevard		GF		61.5
Westwood Bl N of SM Bl NB	-	22.6		
Westwood Bl N of SM Bl SB	-	25.1		
Westwood Bl W of Westholme EB	-		15.8	
Westwood Bl W of Westholme WB	-		19.3	
Wilshire Bl E of Westwood EB	-		59.5	
Wilshire Bl E of Westwood WB	-		57.3	
10850 Wilshire Boulevard		1.Fl		61.1
Westwood Bl N of SM Bl NB	-	22.9		
Westwood Bl N of SM Bl SB	-	25.2		
Westwood Bl W of Westholme EB	-		16.0	
Westwood Bl W of Westholme WB	-		20.1	
Wilshire Bl E of Westwood EB	-		59.1	
Wilshire Bl E of Westwood WB	-		56.9	
10850 Wilshire Boulevard		2.Fl		60.8
Westwood Bl N of SM Bl NB	-	23.1		
Westwood Bl N of SM Bl SB	-	25.3		
Westwood Bl W of Westholme EB	-		15.5	
Westwood Bl W of Westholme WB	-		20.2	
Wilshire Bl E of Westwood EB	-		58.7	
Wilshire Bl E of Westwood WB	-		56.5	
10850 Wilshire Boulevard		3.Fl		60.5
Westwood Bl N of SM Bl NB	-	23.4		
Westwood Bl N of SM Bl SB	-	25.3		
Westwood Bl W of Westholme EB	-		15.7	
Westwood Bl W of Westholme WB	-		20.0	
Wilshire Bl E of Westwood EB	-		58.4	
Wilshire Bl E of Westwood WB	-		56.4	
10850 Wilshire Boulevard		4.Fl		60.2
Westwood Bl N of SM Bl NB	-	23.7		
Westwood Bl N of SM Bl SB	-	25.2		
Westwood Bl W of Westholme EB	-		16.0	
Westwood Bl W of Westholme WB	-		20.8	
Wilshire Bl E of Westwood EB	-		58.0	
Wilshire Bl E of Westwood WB	-		56.2	
10850 Wilshire Boulevard		5.Fl		60.0
Westwood Bl N of SM Bl NB	-	23.7		
Westwood Bl N of SM Bl SB	-	25.5		
Westwood Bl W of Westholme EB	-		16.1	
Westwood Bl W of Westholme WB	-		21.2	
Wilshire Bl E of Westwood EB	-		57.7	
Wilshire Bl E of Westwood WB	-		56.0	
10850 Wilshire Boulevard		6.Fl		59.8
Westwood Bl N of SM Bl NB	-	23.8		
Westwood Bl N of SM Bl SB	-	25.8		
Westwood Bl W of Westholme EB	-		16.4	
Westwood Bl W of Westholme WB	-		21.7	
Wilshire Bl E of Westwood EB	-		57.7	
Wilshire Bl E of Westwood WB	-		55.8	
10850 Wilshire Boulevard		7.Fl		59.8
Westwood Bl N of SM Bl NB	-	24.0		

```
Westwood Bl N of SM Bl SB -       26.3
Westwood Bl W of Westholme EB     -       17.3
Westwood Bl W of Westholme WB     -       21.9
Wilshire Bl E of Westwood EB      -       57.6
Wilshire Bl E of Westwood WB      -       55.7
   10850 Wilshire Boulevard        8.Fl         59.5
Westwood Bl N of SM Bl NB -       24.3
Westwood Bl N of SM Bl SB -       26.5
Westwood Bl W of Westholme EB     -       16.6
Westwood Bl W of Westholme WB     -       22.5
Wilshire Bl E of Westwood EB      -       57.4
Wilshire Bl E of Westwood WB      -       55.3
   10850 Wilshire Boulevard        9.Fl         59.1
Westwood Bl N of SM Bl NB -       24.6
Westwood Bl N of SM Bl SB -       26.5
Westwood Bl W of Westholme EB     -       16.8
Westwood Bl W of Westholme WB     -       22.6
Wilshire Bl E of Westwood EB      -       57.0
Wilshire Bl E of Westwood WB      -       55.0
   10850 Wilshire Boulevard       10.Fl         58.8
Westwood Bl N of SM Bl NB -       24.8
Westwood Bl N of SM Bl SB -       26.3
Westwood Bl W of Westholme EB     -       17.7
Westwood Bl W of Westholme WB     -       23.1
Wilshire Bl E of Westwood EB      -       56.7
Wilshire Bl E of Westwood WB      -       54.7
   10850 Wilshire Boulevard       11.Fl         58.6
Westwood Bl N of SM Bl NB -       25.0
Westwood Bl N of SM Bl SB -       26.3
Westwood Bl W of Westholme EB     -       17.7
Westwood Bl W of Westholme WB     -       23.7
Wilshire Bl E of Westwood EB      -       56.5
Wilshire Bl E of Westwood WB      -       54.4
   10850 Wilshire Boulevard       12.Fl         58.5
Westwood Bl N of SM Bl NB -       25.0
Westwood Bl N of SM Bl SB -       26.4
Westwood Bl W of Westholme EB     -       17.8
Westwood Bl W of Westholme WB     -       24.5
Wilshire Bl E of Westwood EB      -       56.3
Wilshire Bl E of Westwood WB      -       54.5
   Wilshire Manning Condominiums        GF         60.6
Westwood Bl N of SM Bl NB -       17.8
Westwood Bl N of SM Bl SB -       19.3
Westwood Bl W of Westholme EB     -       58.7
Westwood Bl W of Westholme WB     -       56.1
Wilshire Bl E of Westwood EB      -       16.7
Wilshire Bl E of Westwood WB      -       16.6
   Wilshire Manning Condominiums        1.Fl         60.4
Westwood Bl N of SM Bl NB -       17.8
Westwood Bl N of SM Bl SB -       19.5
Westwood Bl W of Westholme EB     -       58.5
Westwood Bl W of Westholme WB     -       55.9
Wilshire Bl E of Westwood EB      -       17.6
Wilshire Bl E of Westwood WB      -       16.4
   Wilshire Manning Condominiums        2.Fl         60.1
Westwood Bl N of SM Bl NB -       17.9
Westwood Bl N of SM Bl SB -       19.8
Westwood Bl W of Westholme EB     -       58.2
Westwood Bl W of Westholme WB     -       55.7
Wilshire Bl E of Westwood EB      -       18.7
Wilshire Bl E of Westwood WB      -       17.1
   Wilshire Manning Condominiums        3.Fl         60.0
Westwood Bl N of SM Bl NB -       18.1
Westwood Bl N of SM Bl SB -       19.8
Westwood Bl W of Westholme EB     -       58.1
Westwood Bl W of Westholme WB     -       55.3
Wilshire Bl E of Westwood EB      -       18.1
Wilshire Bl E of Westwood WB      -       17.8
```

```
   Wilshire Manning Condominiums         4.Fl         59.6
Westwood Bl N of SM Bl NB -       18.2
Westwood Bl N of SM Bl SB -       19.9
Westwood Bl W of Westholme EB     -       57.7
Westwood Bl W of Westholme WB     -       55.0
Wilshire Bl E of Westwood EB      -       19.2
Wilshire Bl E of Westwood WB      -       18.5
   Wilshire Manning Condominiums         5.Fl         59.3
Westwood Bl N of SM Bl NB -       18.2
Westwood Bl N of SM Bl SB -       20.2
Westwood Bl W of Westholme EB     -       57.6
Westwood Bl W of Westholme WB     -       54.5
Wilshire Bl E of Westwood EB      -       19.9
Wilshire Bl E of Westwood WB      -       19.0
   Wilshire Manning Condominiums         6.Fl         59.1
Westwood Bl N of SM Bl NB -       18.3
Westwood Bl N of SM Bl SB -       20.2
Westwood Bl W of Westholme EB     -       57.3
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       20.6
Wilshire Bl E of Westwood WB      -       19.7
   Wilshire Manning Condominiums         7.Fl         58.8
Westwood Bl N of SM Bl NB -       18.3
Westwood Bl N of SM Bl SB -       20.3
Westwood Bl W of Westholme EB     -       57.0
Westwood Bl W of Westholme WB     -       54.3
Wilshire Bl E of Westwood EB      -       18.5
Wilshire Bl E of Westwood WB      -       20.3
   Wilshire Manning Condominiums         8.Fl         58.7
Westwood Bl N of SM Bl NB -       18.4
Westwood Bl N of SM Bl SB -       20.5
Westwood Bl W of Westholme EB     -       56.8
Westwood Bl W of Westholme WB     -       54.1
Wilshire Bl E of Westwood EB      -       19.5
Wilshire Bl E of Westwood WB      -       21.1
   Wilshire Manning Condominiums         9.Fl         58.5
Westwood Bl N of SM Bl NB -       18.8
Westwood Bl N of SM Bl SB -       20.8
Westwood Bl W of Westholme EB     -       56.6
Westwood Bl W of Westholme WB     -       53.8
Wilshire Bl E of Westwood EB      -       20.1
Wilshire Bl E of Westwood WB      -       21.1
   Wilshire Manning Condominiums         10.Fl         58.3
Westwood Bl N of SM Bl NB -       18.9
Westwood Bl N of SM Bl SB -       21.0
Westwood Bl W of Westholme EB     -       56.5
Westwood Bl W of Westholme WB     -       53.7
Wilshire Bl E of Westwood EB      -       21.3
Wilshire Bl E of Westwood WB      -       21.9
   Wilshire Manning Condominiums         11.Fl         58.0
Westwood Bl N of SM Bl NB -       18.8
Westwood Bl N of SM Bl SB -       21.2
Westwood Bl W of Westholme EB     -       56.2
Westwood Bl W of Westholme WB     -       53.4
Wilshire Bl E of Westwood EB      -       22.8
Wilshire Bl E of Westwood WB      -       23.5
   Wilshire Manning Condominiums         12.Fl         57.8
Westwood Bl N of SM Bl NB -       18.9
Westwood Bl N of SM Bl SB -       21.4
Westwood Bl W of Westholme EB     -       55.9
Westwood Bl W of Westholme WB     -       53.1
Wilshire Bl E of Westwood EB      -       22.7
Wilshire Bl E of Westwood WB      -       24.8
   Wilshire Manning Condominiums         13.Fl         57.7
Westwood Bl N of SM Bl NB -       18.9
Westwood Bl N of SM Bl SB -       21.3
Westwood Bl W of Westholme EB     -       55.9
Westwood Bl W of Westholme WB     -       53.1
```

```
Wilshire Bl E of Westwood EB      -       22.5
Wilshire Bl E of Westwood WB      -       26.4
   Wilshire Manning Condominiums         14.Fl         57.4
Westwood Bl N of SM Bl NB -       19.1
Westwood Bl N of SM Bl SB -       21.4
Westwood Bl W of Westholme EB     -       55.4
Westwood Bl W of Westholme WB     -       53.0
Wilshire Bl E of Westwood EB      -       23.4
Wilshire Bl E of Westwood WB      -       31.8
   Wilshire Manning Condominiums         15.Fl         57.3
Westwood Bl N of SM Bl NB -       19.3
Westwood Bl N of SM Bl SB -       21.6
Westwood Bl W of Westholme EB     -       55.3
Westwood Bl W of Westholme WB     -       52.9
Wilshire Bl E of Westwood EB      -       24.4
Wilshire Bl E of Westwood WB      -       31.0
```

No.	Name	Floor	Time slice	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	
200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1 kHz	2 kHz	2
kHz	3 kHz	4 kHz	5 kHz	6 kHz	8 kHz	10 kHz				
1	1751 Westwood Boulevard		GF	L(Aeq1h)	24.8	33.1	37.5	39.4	40.2	
41.0	41.7	42.8	44.6	46.5	49.2	50.3	47.4	47.3	46.1	48.5
48.8	45.5	42.9	41.5	37.5	33.1	28.3	22.6			
1	1751 Westwood Boulevard		1.Fl	L(Aeq1h)	24.5	32.8	37.2	39.1	39.9	
40.7	41.4	42.6	44.4	46.3	48.9	50.4	47.2	47.0	46.0	48.2
48.4	45.0	42.4	41.0	37.2	32.3	27.7	21.6			
2	10850 Wilshire Boulevard		GF	L(Aeq1h)	26.5	34.7	38.9	41.0	42.0	
42.6	43.4	45.1	46.8	49.1	51.7	53.6	52.0	52.0	50.9	50.6
49.9	48.7	45.9	43.4	40.3	37.2	32.5	27.0			
2	10850 Wilshire Boulevard		1.Fl	L(Aeq1h)	26.5	34.3	39.3	40.6	41.6	
42.5	43.4	44.6	46.6	48.7	51.3	53.5	51.1	51.8	50.1	50.2
49.7	47.9	45.7	42.3	40.2	36.3	32.3	26.3			
2	10850 Wilshire Boulevard		2.Fl	L(Aeq1h)	26.3	33.7	38.9	40.6	41.3	
42.1	43.2	44.0	46.3	48.3	50.5	52.7	50.9	51.8	49.4	50.3
49.4	47.7	45.4	42.5	40.0	36.2	31.3	26.0			
2	10850 Wilshire Boulevard		3.Fl	L(Aeq1h)	26.1	33.5	38.0	40.5	41.0	
42.0	42.9	44.1	46.0	48.3	50.6	52.8	50.2	51.0	50.0	49.8
49.4	47.2	44.9	42.4	39.3	35.6	31.5	25.3			
2	10850 Wilshire Boulevard		4.Fl	L(Aeq1h)	25.7	33.5	37.6	39.9	40.4	
42.0	42.5	44.1	45.8	47.9	50.6	52.4	49.5	51.1	49.1	49.6
49.4	47.0	43.6	42.0	38.6	35.3	30.5	24.6			
2	10850 Wilshire Boulevard		5.Fl	L(Aeq1h)	25.2	33.4	37.8	39.5	40.5	
41.7	42.3	43.5	45.9	47.9	50.1	52.4	49.7	50.5	48.7	49.0
48.8	46.7	43.8	42.0	38.3	35.0	30.1	24.2			
2	10850 Wilshire Boulevard		6.Fl	L(Aeq1h)	24.7	33.2	38.0	39.4	40.5	
41.1	41.9	43.3	45.0	47.4	50.0	52.0	50.2	50.4	49.2	49.1
48.8	46.3	42.8	41.7	38.4	34.4	29.3	23.8			
2	10850 Wilshire Boulevard		7.Fl	L(Aeq1h)	24.4	32.6	37.9	39.4	40.2	
41.1	41.7	43.3	45.1	47.2	49.6	51.9	50.3	50.4	49.1	49.5
48.5	46.2	43.2	41.6	37.9	33.4	29.0	23.1			
2	10850 Wilshire Boulevard		8.Fl	L(Aeq1h)	24.2	32.2	37.5	38.9	40.0	
40.9	41.6	43.0	44.7	47.1	49.1	52.0	49.6	49.8	49.3	48.8
48.0	46.1	43.3	41.2	37.5	33.4	28.3	22.6			
2	10850 Wilshire Boulevard		9.Fl	L(Aeq1h)	24.3	31.8	37.2	38.4	39.9	
40.5	41.3	43.1	44.4	47.0	49.1	51.5	49.0	49.5	48.5	48.7
47.9	45.6	42.4	41.0	36.8	32.6	27.8	22.1			
2	10850 Wilshire Boulevard		10.Fl	L(Aeq1h)	24.2	31.9	36.8	38.3	39.6	
40.2	41.1	42.5	44.4	46.7	48.8	50.9	48.8	49.7	48.0	48.1
47.3	45.1	42.4	40.5	36.4	32.6	27.3	20.6			
2	10850 Wilshire Boulevard		11.Fl	L(Aeq1h)	24.1	32.0	36.6	38.3	39.4	
40.0	40.7	42.2	44.1	46.1	49.0	50.8	48.6	49.2	48.0	47.7
47.5	44.7	42.8	40.9	36.4	32.1	27.0	19.7			
2	10850 Wilshire Boulevard		12.Fl	L(Aeq1h)	23.9	32.0	36.6	38.2	39.0	
39.9	40.3	42.2	44.0	45.7	48.6	50.7	48.7	48.7	48.2	48.3
47.4	44.5	41.9	40.1	36.1	32.3	26.1	19.1			
3	Wilshire Manning Condominiums		GF	L(Aeq1h)	26.2	34.8	38.8	41.0		
41.9	42.7	43.5	44.6	46.8	48.9	50.9	53.2	51.2	51.0	49.1
48.3	47.8	47.3	46.1	42.7	39.2	35.1	30.7	22.8		
3	Wilshire Manning Condominiums		1.Fl	L(Aeq1h)	26.0	34.6	38.5	40.8		
41.6	42.5	43.3	44.6	46.7	48.9	50.9	52.7	50.7	50.8	49.1
48.4	47.6	47.0	45.4	42.3	39.1	34.7	30.4	22.7		
3	Wilshire Manning Condominiums		2.Fl	L(Aeq1h)	25.7	34.3	38.3	40.5		
41.3	42.2	43.0	44.5	46.2	48.3	50.5	52.4	50.5	50.6	48.6
48.1	47.3	46.9	45.3	41.9	37.9	34.3	29.7	22.1		
3	Wilshire Manning Condominiums		3.Fl	L(Aeq1h)	25.4	33.9	38.0	40.1		
41.0	41.8	42.6	44.2	46.0	48.0	50.4	52.6	50.6	50.9	48.0
47.3	47.4	46.2	44.7	41.3	37.9	34.1	29.3	21.9		
3	Wilshire Manning Condominiums		4.Fl	L(Aeq1h)	25.2	33.6	37.9	39.9		
40.7	41.5	42.4	43.9	45.7	47.4	50.3	51.9	50.1	50.3	47.6
47.4	47.0	46.4	44.4	41.5	37.5	33.5	28.8	21.4		
3	Wilshire Manning Condominiums		5.Fl	L(Aeq1h)	25.0	33.4	37.7	39.7		
40.5	41.1	42.2	43.6	45.4	47.2	49.8	51.8	49.7	49.9	47.7
47.4	46.8	46.1	44.3	40.7	37.4	33.5	27.7	21.4		
3	Wilshire Manning Condominiums		6.Fl	L(Aeq1h)	24.8	33.1	37.5	39.4		
40.2	40.8	42.0	43.3	45.1	47.3	49.6	51.3	49.8	49.4	47.2

```
47.2    46.8    45.8    44.1    40.8    36.6    33.1    27.6    21.1
3       Wilshire Manning Condominiums   7.Fl    L(Aeq1h) 24.6   32.8    37.4    39.2
40.0    40.5    41.8    43.1    44.9    46.7    49.3    51.5    48.9    49.4    47.0
47.3    46.4    45.2    44.0    40.4    36.5    33.0    26.3    21.2
3       Wilshire Manning Condominiums   8.Fl    L(Aeq1h) 24.4   32.6    37.2    39.0
39.7    40.3    41.6    42.9    44.8    46.3    49.1    51.0    49.1    49.3    46.7
47.1    46.3    45.8    43.6    39.8    36.0    32.7    26.0    20.2
3       Wilshire Manning Condominiums   9.Fl    L(Aeq1h) 24.2   32.4    37.0    38.7
39.5    40.2    41.3    42.6    44.5    46.5    49.0    51.1    48.5    48.8    47.2
46.6    46.1    45.2    43.5    39.7    35.9    32.3    25.4    19.6
3       Wilshire Manning Condominiums   10.Fl   L(Aeq1h) 24.1   32.2    36.9    38.6
39.3    40.1    41.0    42.4    44.2    46.8    48.7    51.1    48.5    48.8    46.5
46.3    46.0    45.3    43.1    39.2    35.3    32.2    25.1    18.9
3       Wilshire Manning Condominiums   11.Fl   L(Aeq1h) 23.9   32.0    36.7    38.4
39.1    40.0    40.8    42.2    44.0    46.5    48.5    50.9    48.1    48.2    45.8
46.2    46.3    44.9    42.6    38.8    35.2    31.8    24.6    18.4
3       Wilshire Manning Condominiums   12.Fl   L(Aeq1h) 23.7   31.9    36.5    38.3
39.0    39.9    40.7    42.2    43.8    46.0    48.5    50.5    47.7    47.9    45.5
45.9    45.8    44.7    42.7    38.5    35.2    31.2    24.3    17.9
3       Wilshire Manning Condominiums   13.Fl   L(Aeq1h) 23.6   31.7    36.4    38.1
38.9    39.7    40.4    42.0    43.6    45.6    48.5    50.0    48.4    47.5    46.5
45.7    46.3    44.5    42.2    38.2    35.1    31.5    23.9    17.3
3       Wilshire Manning Condominiums   14.Fl   L(Aeq1h) 23.4   31.5    36.2    37.9
38.8    39.5    40.3    42.0    43.4    45.6    47.8    50.2    48.0    47.5    44.9
44.9    46.1    44.0    42.0    38.2    34.7    31.0    23.4    16.4
3       Wilshire Manning Condominiums   15.Fl   L(Aeq1h) 23.2   31.4    36.0    37.7
38.7    39.3    40.2    41.8    43.2    45.7    47.4    50.3    47.1    47.2    45.5
45.3    45.7    44.3    41.8    37.9    34.4    30.3    22.3    15.7
```

No.	Receiver name side	Building	Limit Floor dB(A)	Level L(Aeq1h) dB(A)	Conflict L(Aeq1h) dB	L(Aeq1h)		
1	1751 Westwood Boulevard	North east		GF	75	58.5	–	
1	1751 Westwood Boulevard	North east		1.Fl	75	58.3	–	
2	10850 Wilshire Boulevard	North	GF	75	61.5	–		
2	10850 Wilshire Boulevard	North	1.Fl	75	61.1	–		
2	10850 Wilshire Boulevard	North	2.Fl	75	60.8	–		
2	10850 Wilshire Boulevard	North	3.Fl	75	60.5	–		
2	10850 Wilshire Boulevard	North	4.Fl	75	60.2	–		
2	10850 Wilshire Boulevard	North	5.Fl	75	60.0	–		
2	10850 Wilshire Boulevard	North	6.Fl	75	59.8	–		
2	10850 Wilshire Boulevard	North	7.Fl	75	59.8	–		
2	10850 Wilshire Boulevard	North	8.Fl	75	59.5	–		
2	10850 Wilshire Boulevard	North	9.Fl	75	59.1	–		
2	10850 Wilshire Boulevard	North	10.Fl	75	58.8	–		
2	10850 Wilshire Boulevard	North	11.Fl	75	58.6	–		
2	10850 Wilshire Boulevard	North	12.Fl	75	58.5	–		
3	Wilshire Manning Condominiums	North	GF	70	60.6	–		
3	Wilshire Manning Condominiums	North	1.Fl	70	60.4	–		
3	Wilshire Manning Condominiums	North	2.Fl	70	60.1	–		
3	Wilshire Manning Condominiums	North	3.Fl	70	60.0	–		
3	Wilshire Manning Condominiums	North	4.Fl	70	59.6	–		
3	Wilshire Manning Condominiums	North	5.Fl	70	59.3	–		
3	Wilshire Manning Condominiums	North	6.Fl	70	59.1	–		
3	Wilshire Manning Condominiums	North	7.Fl	70	58.8	–		
3	Wilshire Manning Condominiums	North	8.Fl	70	58.7	–		
3	Wilshire Manning Condominiums	North	9.Fl	70	58.5	–		
3	Wilshire Manning Condominiums	North	10.Fl	70	58.3	–		
3	Wilshire Manning Condominiums	North	11.Fl	70	58.0	–		
3	Wilshire Manning Condominiums	North	12.Fl	70	57.8	–		
3	Wilshire Manning Condominiums	North	13.Fl	70	57.7	–		
3	Wilshire Manning Condominiums	North	14.Fl	70	57.4	–		
3	Wilshire Manning Condominiums	North	15.Fl	70	57.3	–		

	Traffic values				Control	Constr.	Affect.	Gradient
Station	ADT	Vehicles type	Vehicle name	day	Speed	device	Speed	veh.	Road surface	Min / Max
km	Veh/24h		Veh/h	km/h	km/h	%		%		
Wilshire Bl E of Westwood WB		Traffic direction:			In entry direction					
0+000	43200	Total	-	1800	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	43200	Automobiles	-	1800	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	43200	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	43200	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	43200	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	43200	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+000	43200	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	0.5
0+361	-	-	-	-	-					
Wilshire Bl E of Westwood EB		Traffic direction:			In entry direction					
0+000	55536	Total	-	2314	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55536	Automobiles	-	2314	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55536	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55536	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55536	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55536	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+000	55536	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-1.5
0+357	-	-	-	-	-					
Westwood Bl N of SM Bl SB		Traffic direction:			In entry direction					
0+000	28584	Total	-	1191	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28584	Automobiles	-	1191	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28584	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28584	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28584	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28584	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+000	28584	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	-4.3
0+243	-	-	-	-	-					
Westwood Bl N of SM Bl NB		Traffic direction:			In entry direction					
0+000	26040	Total	-	1085	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	26040	Automobiles	-	1085	56	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	26040	Medium trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	26040	Heavy trucks	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	26040	Buses	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	26040	Motorcycles	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2
0+000	26040	Auxiliary vehicle	-	-	-	Traffic light	56.0	100.0	Average (of DGAC and PCC)	4.2

0+244 – – – – – –
Westwood Bl W of Westholme WB Traffic direction: In entry direction
0+000 26040 Total – 1085 – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 26040 Automobiles – 1085 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 26040 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 26040 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 26040 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 26040 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+000 26040 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.1 / 5.2
0+101 47736 Total – 1989 – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 47736 Automobiles – 1989 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 47736 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 47736 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 47736 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 47736 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+101 47736 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) 3.0
0+342 – – – – – –
Westwood Bl W of Westholme EB Traffic direction: In entry direction
0+000 57720 Total – 2405 – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 57720 Automobiles – 2405 56 Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 57720 Medium trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 57720 Heavy trucks – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 57720 Buses – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 57720 Motorcycles – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+000 57720 Auxiliary vehicle – – – Traffic light 56.0 100.0 Average (of DGAC and PCC) -23.5 / 5.1
0+342 – – – – – –