Noise Analysis for the California Terraces Planning Area 61, Lot 1 Project San Diego, California

Prepared for

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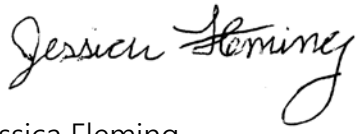

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Acronyms and Abbreviations

Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
City	City of San Diego
CNEL	community noise equivalent level
CPU	Community Plan Update
dB	decibel
dB(A)	A-weighted decibel
FPEIR	Final Program Environmental Impact Report
FHWA	Federal Highway Administration
HVAC	heating, ventilation, and air conditioning
L_{eq}	one-hour equivalent noise level
LOS	Level of Service
L_{pw}	sound power level
MHPA	Multi-Habitat Planning Area
PA	Planning Area
project	California Terraces Planning Area 61 Project
SEL	sound exposure level
SR-905	State Route 905

Executive Summary

The California Terraces Planning Area (PA) 61 project (project) site is located north of State Route 905 (SR-905) and southeast of the intersection of Otay Mesa Road and Ocean View Hills Parkway/Caliente Avenue in the Otay Mesa Community Plan area, in the city of San Diego, California. The project site is the western portion (Lot 2) of California Terraces PA-61 project area, which is currently undeveloped. In 2019, the action to subdivide California Terraces PA-61 into two lots was approved by the City of San Diego (City) as part of Project No. 605191 (2019 project). The 2019 project includes an approved site plan for the development of 45,000 square feet of commercial use within the project site. The project would include a Community Plan Amendment to redesignate the project site to Residential Medium (15-29 dwelling units per acre) and a rezone to RM-3-7 to allow for the construction of 79 multi-family units.

The project is located within the Otay Mesa Community Plan Update (CPU) area. Noise impacts associated with the Otay Mesa CPU were addressed in the Final Program Environmental Impact Report for the Otay Mesa CPU (FPEIR; Project Number 30330/304032, SCH No. 2004651076) approved by the City of San Diego (City) in 2013 (City of San Diego 2013). The FPEIR identified a mitigation framework that is applicable to the project, including demonstrating the exterior and interior noise levels for residential uses would not exceed the compatibility standards of the City's General Plan. This report discusses potential noise impacts from the construction and operation of the project, and implements the Otay Mesa CPU mitigation framework, as necessary. As part of this assessment, noise levels due to vehicle traffic were calculated and evaluated against City of San Diego noise and land use compatibility guidelines. In addition to compatibility, the potential for noise to impact adjacent receivers from future on-site sources and construction activity was assessed. Where impacts were identified, measures have been identified to comply with the City's noise standards. A summary of the findings is provided below.

Construction Noise

Project construction noise would be generated by diesel engine-driven construction equipment used for site preparation and grading, building construction, loading, unloading, and placing materials and paving. Construction noise would potentially result in short-term impacts to surrounding properties. The project site is bound by multi-family uses to the north, SR-905 and open space to the south, San Ysidro High School to the southwest, and open space to the east and west. Multi-family uses are currently being constructed east of the project site. Additionally, Multi-Habitat Planning Area (MHPA) habitat is located northeast and southeast of the project site. The construction noise level limit at residential uses is 75 A-weighted decibels [dB(A)] one-hour equivalent noise level (L_{eq}). In addition, for occupied MHPA, although no formal standards have been issued by any agencies, a precedent set over many years is that noise sources associated with projects should not result in noise levels that exceed 60 dB(A) L_{eq} or the existing ambient noise level if greater than 60 dB(A) L_{eq} during the breeding season of federally listed threatened or endangered bird species known to occupy the MHPA lands.

As calculated in this analysis, construction noise levels are not anticipated to exceed 75 dB(A) L_{eq} at the adjacent residential uses, or 60 dB(A) L_{eq} at the adjacent MHPA habitat. Although the existing adjacent residences and MHPA would be exposed to construction noise levels that could be heard above ambient conditions, the exposure would be temporary. Additionally, construction activities are not anticipated to exceed 75 dB(A) L_{eq}. Therefore, construction activities would result in less than significant noise impacts.

Vehicle Traffic Noise

On-site Noise Compatibility

The main source of noise at the project site is vehicle traffic on SR-905, Otay Mesa Road, Caliente Avenue, and SR-905 on- and off-ramps. As required by Otay Mesa CPU FPEIR mitigation measure NOI-1, this site-specific noise analysis calculates exterior noise levels and analyzes noise reduction measures, as necessary, to demonstrate that future noise would not exceed the residential noise compatibility standards of the General Plan. Multi-family residential uses are "compatible" with exterior noise levels up to 60 community noise equivalent level (CNEL), and "conditionally compatible" with exterior noise levels up to 70 CNEL. In "conditionally compatible" areas, feasible noise mitigation techniques should be analyzed and incorporated to make the outdoor activities acceptable, and building structures must attenuate exterior noise levels to an indoor noise level of 45 CNEL. The exterior compatibility standard is applicable at the proposed exterior use areas. In the case of the proposed project, exterior use areas include two common space areas and the balconies.

Exterior noise levels were modeled at each proposed balcony location. Balcony noise levels are projected to exceed the "conditionally compatible" noise level of 70 CNEL at five of the balconies facing SR-905. Therefore, the project includes noise attenuating design measures in the form of a solid 3.5-foot balcony wall extending the length/perimeter of the balcony on the five balconies. The inclusion of the noise walls would ensure that the project would be consistent with City regulations associated with exterior noise levels. With construction of a solid 3.5-foot balcony wall, balcony noise levels would be reduced to 70 CNEL or less at all balconies. The following specific design parameters would be required:

Exterior noise levels at the three balconies identified on Figure 7 shall be constructed with a solid 3.5-foot balcony wall extending the length/perimeter of the balcony. The sound attenuation wall must be solid and free of cracks or holes. It can be constructed of masonry, wood, plastic, fiberglass, steel, or a combination of those materials, as long as there are no cracks or gaps, through or below the wall. Any seams or cracks must be filled or caulked. If wood is used, it can be tongue and groove and must be at least one-inch total thickness or have a density of at least 3.5 pounds per square foot.

The inclusion of the noise walls on the three identified balconies would ensure that the project would be consistent with City regulations associated with exterior noise levels. Due to the building orientations and balcony design, all other balconies would be sufficiently shielded from roadway noise and noise levels would not exceed 70 CNEL. With construction of the 3.5-foot balcony walls identified in this analysis, exterior noise impacts would be reduced to less than significant.

The interior noise level standard for residential uses is 45 CNEL. A noise reduction of up to 31 decibels (dB) would be required to achieve an interior noise level of 45 CNEL or less. As required by NOI-2 of the Otay Mesa CPU FPEIR, prior to the issuance of building permits, a site-specific interior noise

analysis would be prepared demonstrating that the window, door, and wall components would achieve a necessary sound transmission class rating required to reduce interior noise levels to 45 CNEL or less. With implementation of this existing mitigation framework, interior noise impacts would be less than significant.

Off-site Vehicle Traffic Noise

The project would increase traffic volumes on local roadways. However, the project would not substantially alter the vehicle classifications mix on local or regional roadways nor would the project alter the speed on an existing roadway or create a new roadway. Thus, the primary factor affecting off-site noise levels would be increased traffic volumes. A substantial noise increase is defined as an increase of 3 dB above existing conditions as stated in the City's California Environmental Quality Act (CEQA) significance standards.

The increase in traffic noise was evaluated as a part of the noise analysis prepared for the previous approved project. It was found that the project's contribution to the increase over ambient noise levels would be less than 1 dB and would be less than significant. The project would generate less traffic than the previously approved project and the noise level increases associated with the project would be less than those previously analyzed. Therefore, the project would result in a less than cumulatively considerable off-site noise level increase, and direct and cumulative traffic noise impacts associated with the project would be less than significant.

On-site Generated Noise

The noise sources on the project site after completion of construction are anticipated to be those that would be typical of any residential complex, such as vehicles arriving and leaving, children at play, and landscape maintenance machinery. None of these noise sources is anticipated to violate the City's Noise Abatement and Control Ordinance or result in a substantial permanent increase in existing noise levels. However, the project would include ground-floor heating, ventilation, and air conditioning (HVAC) units. Noise generated by the HVAC units was calculated and compared to City Noise Abatement and Control Ordinance limits. HVAC noise levels were modeled at the adjacent property lines. As calculated in this analysis, HVAC noise levels would not exceed the applicable Noise Abatement and Control Ordinance limits at the property lines. Additionally, HVAC noise levels would not exceed 60 dB(A) L_{eq} at the MHPA. Impacts would be less than significant.

1.0 Introduction

1.1 Project Description

The project site is located north of State Route 905 (SR-905), southeast of the intersection of Otay Mesa Road and Ocean View Hills Parkway/Caliente Avenue in the Otay Mesa Community Plan area, in the city of San Diego, California. Figure 1 shows the regional location. An aerial photograph of the project site and vicinity is shown in Figure 2. The project site is bounded by multi-family uses to the north, SR-905 and open space to the south, San Ysidro High School to the southwest, and vacant land to the east and west. The project site is currently undeveloped.

As stated above, the action to subdivide California Terraces PA-61 into two lots was approved by the City as part of Project No. 605191. Final Map No. 16413 was recorded on August 27, 2020. The approved action included construction of up to 267 multi-family dwelling units within the eastern portion of the site (Lot 2) and 45,000 square feet of commercial use within the 4.5-acre western portion (Lot 1; project site). Lot 2 is currently under construction.

The current action is limited to Lot 2 and includes a request for a Community Plan Amendment to redesignate the approximate 4.5-acre site from Community Commercial – Residential Prohibited to Residential Medium (15-29 dwelling units per acre). A rezone is proposed from CC-1-3 to RM-3-7, which would implement the proposed residential land use. A Vesting Tentative Map is requested to allow the development of 79 residential unit condominiums (10 percent or 8 units would be allocated as affordable housing). Overall, the project would result in a density of 17.6 dwelling units per acre. The project would provide 10 percent, or 8 dwelling units which would qualify as affordable housing. Figure 3 shows the proposed site plan.

1.2 Fundamentals of Noise

Sound levels are described in units called the decibel (dB). Decibels are measured on a logarithmic scale that quantifies sound intensity in a manner similar to the Richter scale used for earthquake magnitudes. Thus, a doubling of the energy of a noise source, such as doubling of traffic volume, would increase the noise level by 3 dB; a halving of the energy would result in a 3 dB decrease.

Additionally, in technical terms, sound levels are described as either a "sound power level" or a "sound pressure level," which while commonly confused are two distinct characteristics of sound. Both share the same unit of measure, the dB. However, sound power, expressed as L_{pw}, is the energy converted into sound by the source. The L_{pw} is used to estimate how far a noise will travel and to predict the sound levels at various distances from the source. As sound energy travels through the air, it creates a sound wave that exerts pressure on receivers such as an eardrum or microphone and is the sound pressure level. Noise measurement instruments only measure sound pressure, and noise level limits used in standards are generally sound pressure levels.

Project Location

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FIGURE 1

Regional Location

Image Source: Nearmap (flown April 2021)

FIGURE 2

Project Location on Aerial Photograph

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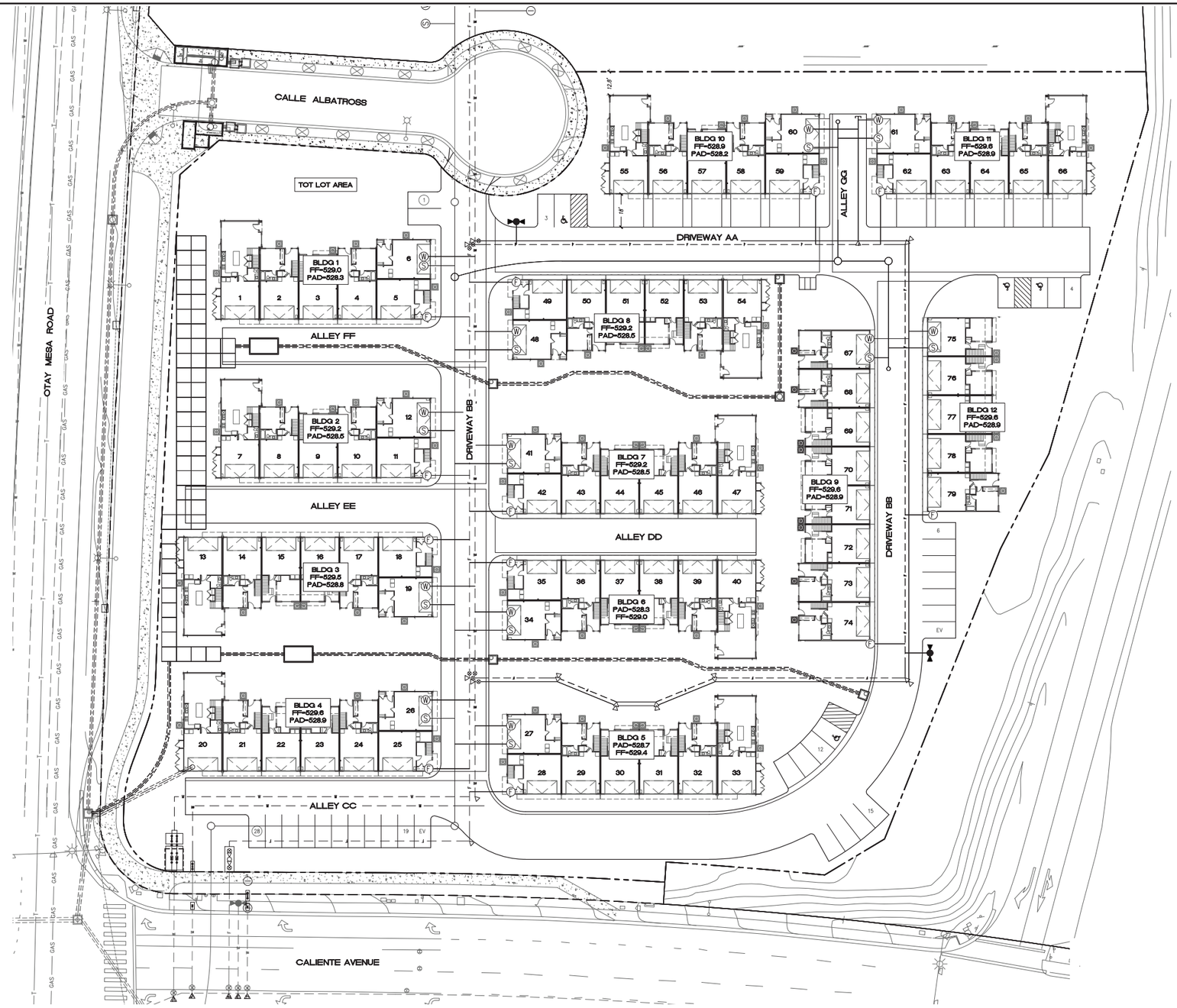
Map Source: Civil Sense Inc



PROJECT INFORMATION

EXISTING ZONE: CC-1-3
(COMMUNITY COMMERCIAL)
PROPOSED ZONE: RM-2-5
(RESIDENTIAL-MULTIPLE UNIT)

PARKING REQUIREMENTS

VEHICLE PARKING

REQUIRED AUTOMOBILE SPACES (PER SDMC 142-05C)

PLAN 1	2BR	10
PLAN 2	2BR	10
PLAN 3.1	3BR	14
PLAN 3.2	3BR	10
PLAN 4.1	4BR	19
PLAN 4.2	4BR	6
PLAN 5	5BR	10
	TOTAL:	79

79 DU x 2.00 = 158 REQUIRED PARKING SPACES

ACCESSIBLE PARKING SUMMARY (PER SDM-117)

158 x 0.02 = 3 ACCESSIBLE PARKING REQUIRED
3 / 6 = 1 VAN ACCESSIBLE SPACES REQUIRED

TOTAL ACCESSIBLE PARKING SPACES REQUIRED

3	ACCESSIBLE SPACES
1	VAN ACCESSIBLE SPACES
4	TOTAL ACCESSIBLE SPACES

PROVIDED PARKING SUMMARY

158	GARAGE SPACES
4	ACCESSIBLE SPACES
2	EV AND EV CAPABLE SPACES
20	DRIVEWAY PARKING (10 UNITS)
28	OPEN SPACES
212	TOTAL SPACES PROVIDED

MOTORCYCLE PARKING SUMMARY (PER SDMC 142-05C)

79 DU x .1 = 0.79 REQUIRED PARKING SPACES

TOTAL MOTORCYCLE PARKING SPACES REQUIRED

1 ACCESSIBLE SPACES

BICYCLE PARKING SUMMARY

NOT REQUIRED FOR DWELLING UNITS WITH ENCLOSED GARAGES

EARTHWORK QUANTITIES (FROM MASS GRADE)

RAW QUANTITIES

3,000	CUBIC YARDS CUT
5,600	CUBIC YARDS FILL
2,600	CUBIC YARDS IMPORT

2' UNDERCUT SECTION IN STREET GENERATES
3,600 CUBIC YARDS

IMPORT 1,000 CUBIC YARDS NOT TAKING INTO ACCOUNT SHRINKING, BULKING, OR UTILITY SPOILS

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FIGURE 3
Site Plan

The human ear is not equally sensitive to all frequencies within the sound spectrum. To accommodate this phenomenon, the A-scale, which approximates the frequency response of the average young ear when listening to most ordinary everyday sounds, was devised. When people make relative judgments of the loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds. Therefore, the "A-weighted" noise scale is used for measurements and standards involving the human perception of noise. Noise levels using A-weighted measurements are designated with the notation dB(A).

The impact of noise is not a function of loudness alone. The time of day when noise occurs and the duration of the noise are also important. In addition, most noise that lasts for more than a few seconds is variable in its intensity. Consequently, a variety of noise descriptors has been developed. The noise descriptors used for this study are the one-hour equivalent noise level (L_{eq}), the community noise equivalent level (CNEL), and the sound exposure level (SEL). The CNEL is a 24-hour equivalent sound level. The CNEL calculation applies an additional 5 dB(A) penalty to noise occurring during evening hours, between 7:00 p.m. and 10:00 p.m., and an additional 10 dB(A) penalty is added to noise occurring during the night, between 10:00 p.m. and 7:00 a.m. These increases for certain times are intended to account for the added sensitivity of humans to noise during the evening and night. The SEL is a noise level over a stated period of time or event and normalized to one second.

Sound from a small, localized source (approximating a "point" source) radiates uniformly outward as it travels away from the source in a spherical pattern, known as geometric spreading. The sound level decreases or drops off at a rate of 6 dB(A) for each doubling of the distance.

Traffic noise is not a single, stationary point source of sound. The movement of vehicles makes the source of the sound appear to emanate from a line (line source) rather than a point when viewed over some time interval. The drop-off rate for a line source is 3 dB(A) for each doubling of distance.

The propagation of noise is also affected by the intervening ground, known as ground absorption. A hard site (such as parking lots or smooth bodies of water) receives no additional ground attenuation, and the changes in noise levels with distance (drop-off rate) are simply the geometric spreading of the source. A soft site (such as soft dirt, grass, or scattered bushes and trees) receives an additional ground attenuation value of 1.5 dB(A) per doubling of distance. Thus, a point source over a soft site would attenuate at 7.5 dB(A) per doubling of distance.

Human perception of noise has no simple correlation with acoustical energy. A change in noise levels is generally perceived as follows: 3 dB(A) barely perceptible, 5 dB(A) readily perceptible, and 10 dB(A) perceived as a doubling or halving of noise (California Department of Transportation [Caltrans] 2013).

2.0 Applicable Standards

2.1 Otay Mesa Community Plan Update Mitigation Framework

Noise impacts associated with the Otay Mesa Community Plan Update (CPU) were addressed in the Final Program Environmental Impact Report for the Otay Mesa CPU FPEIR (FPEIR; Project Number

30330/304032, SCH No. 2004651076) approved by the City of San Diego in 2013 (City of San Diego 2013).

The following mitigation framework applies to the project:

Traffic Generated Noise Impacts

NOI-1: Prior to the issuance of building permits, site-specific exterior noise analyses that demonstrate that the project would not place residential receptors in locations where the exterior existing or future noise levels would exceed the noise compatibility standards of the City's General Plan shall be required as part of the review of future residential development proposals. Noise reduction measures, including but not limited to building noise barriers, increased building setbacks, speed reductions on surrounding roadways, alternative pavement surfaces, or other relevant noise attenuation measures, may be used to achieve the noise compatibility standards. Exact noise mitigation measures and their effectiveness shall be determined by the site-specific exterior noise analyses.

NOI-2: Prior to the issuance of building permits, site-specific interior noise analyses demonstrating compliance with the interior noise compatibility standards of the City's General Plan and other applicable regulations shall be prepared for noise sensitive land uses located in areas where the exterior noise levels exceed the noise compatibility standards of the City's General Plan. Noise control measures, including but not limited to increasing roof, wall, window, and door sound attenuation ratings, placing heating, ventilation, and air conditioning (HVAC) in noise reducing enclosures, or designing buildings so that no windows face freeways or major roadways may be used to achieve the noise compatibility standards. Exact noise mitigation measures and their effectiveness shall be determined by the site-specific exterior noise analyses.

Stationary Source Noise

NOI-3: Prior to the issuance of a building permit, a site-specific acoustical/noise analysis of any on-site generated noise sources, including generators, mechanical equipment, and trucks, shall be prepared which identifies all noise-generating equipment, predicts noise levels at property lines from all identified equipment, and recommends mitigation to be implemented (e.g., enclosures, barriers, site orientation), to ensure compliance with the City's Noise Abatement and Control Ordinance. Noise reduction measures shall include building noise-attenuating walls, reducing noise at the source by requiring quieter machinery or limiting the hours of operation, or other attenuation measures. Additionally, future projects shall be required to buffer sensitive receptors from noise sources through the use of open space and other separation techniques as recommended after thorough analysis by a qualified acoustical engineer. Exact noise mitigation measures and their effectiveness shall be determined by the site-specific noise analyses.

Construction Noise

NOI-4: For projects that exceed daily construction noise thresholds established by the City of San Diego, best construction management practices shall be used to reduce construction noise levels to comply with standards established by the Municipal Code in Chapter 5, Article 9.5, Noise Abatement and Control. The project applicant shall prepare and implement a Construction Noise Management Plan. Appropriate management practices shall be determined on a project-by-project basis and are specific to the location. Control measures shall include:

a. Minimizing simultaneous operation of multiple construction equipment units;

b. Locating stationary equipment as far as reasonable from sensitive receptors;

c. Requiring all internal combustion-engine-driven equipment to be equipped with mufflers that are in good operating condition and appropriate for the equipment; and

d. Construction of temporary noise barriers around construction sites that block the line-of-sight to surrounding receptors.

In addition, the FPEIR indicates that impacts from noise and construction activity resulting from future development under the CPU would occur if construction occurs during the raptor or migratory bird nesting season. Mitigation Measure LU-2 requires future development to comply with Land Use Adjacency Guidelines of the Multiple Species Conservation Program in terms of noise. The U.S. Fish and Wildlife Service and other resource agencies, such as the U.S. Army Corps of Engineers and California Department of Fish and Wildlife, require limitation of noise levels to the habitats of threatened and endangered birds, such as the light-footed Ridgway's rail. Although no formal standards have been issued by these agencies, the precedent set over many years is that projects shall not result in noise levels that exceed 60 dB(A) L_{eq}, or the existing ambient noise level if greater than 60 dB(A) L_{eq}, at designated habitat or a known nesting site for a federally listed threatened or endangered bird species during the breeding season. Based on this precedent, during the breeding seasons, the City requires that noise levels generated by a project shall not exceed 60 dB(A) L_{eq} at the edge of the occupied habitat or the existing ambient level if the ambient level is above 60 dB(A) L_{eq} (City of San Diego 2012).

2.2 City of San Diego General Plan

The City's Noise Element of the General Plan specifies compatibility standards for different land use categories (Table 1). Multi-family residential uses are considered "compatible" with exterior noise levels up to 60 CNEL and "conditionally compatible" with exterior noise levels up to 70 CNEL. The City's interior noise level standard for all residential uses is 45 CNEL.

Table 1
City of San Diego Land Use – Noise Compatibility Guidelines

Land Use Category	Exterior Noise Exposure [dB(A) CNEL]				
	60	65	70	75	
Parks and Recreational					
Parks, Active and Passive Recreation					
Outdoor Spectator Sports, Golf Courses; Water Recreational Facilities; Indoor Recreation Facilities					
Agricultural					
Crop Raising and Farming; Community Gardens, Aquaculture, Dairies; Horticulture Nurseries and Greenhouses; Animal Raising, Maintaining and Keeping; Commercial Stables					
Residential					
Single Dwelling Units; Mobile Homes		45			
Multiple Dwelling Units **For uses affected by aircraft noise, refer to Policies NE-D.2. & NE-D.3.*		45	45		
Institutional					
Hospitals; Nursing Facilities; Intermediate Care Facilities; Kindergarten through Grade 12 Educational Facilities; Libraries; Museums; Child Care Facilities		45			
Other Educational Facilities including Vocational/Trade Schools and Colleges and Universities		45	45		
Cemeteries					
Retail Sales					
Building Supplies/Equipment; Food, Beverage, and Groceries; Pets and Pet Supplies; Sundries, Pharmaceutical, and Convenience Sales; Wearing Apparel and Accessories			50	50	
Commercial Services					
Building Services; Business Support; Eating and Drinking; Financial Institutions; Maintenance & Repair; Personal Services; Assembly and Entertainment (includes public and religious assembly); Radio and Television Studios; Golf Course Support			50	50	
Visitor Accommodations		45	45	45	
Offices					
Business and Professional; Government; Medical, Dental, and Health Practitioner; Regional and Corporate Headquarters			50	50	
Vehicle and Vehicular Equipment Sales and Services Use					
Commercial or Personal Vehicle Repair and Maintenance; Commercial or Personal Vehicle Sales and Rentals; Vehicle Equipment and Supplies Sales and Rentals; Vehicle Parking					
Wholesale, Distribution, Storage Use Category					
Equipment and Materials Storage Yards; Moving and Storage Facilities; Warehouse; Wholesale Distribution					
Industrial					
Heavy Manufacturing; Light Manufacturing; Marine Industry; Trucking and Transportation Terminals; Mining and Extractive Industries					
Research and Development				50	

	Compatible	Indoor Uses	Standard construction methods should attenuate exterior noise to an acceptable indoor noise level.
		Outdoor Uses	Activities associated with the land use may be carried out.
45, 50	Conditionally Compatible	Indoor Uses	Building structure must attenuate exterior noise to the indoor noise level indicated by the number for occupied areas.
		Outdoor Uses	Feasible noise mitigation techniques should be analyzed and incorporated to make the outdoor activities acceptable.
	Incompatible	Indoor Uses	New construction should not be undertaken.
		Outdoor Uses	Severe noise interference makes outdoor activities unacceptable.

SOURCE: City of San Diego 2015.

2.3 City of San Diego Municipal Code

2.3.1 On-site Generated Noise

Section 59.5.0401 of the City's Noise Abatement and Control Ordinance states that:

A. It shall be unlawful for any person to cause noise by any means to the extent that the one-hour average sound level exceeds the applicable limit.

B. The sound level limit at a location on a boundary between two zoning districts is the arithmetic mean of the respective limits for the two districts.

The applicable noise limits of the City's Noise Abatement and Control Ordinance are summarized in Table 2.

Table 2
Applicable Noise Level Limits

Land Use	Time of Day	One-Hour Average Sound Level [dB(A) L_{eq}]
Single-family Residential	7:00 a.m. to 7:00 p.m. 7:00 p.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.	50 45 40
Multi-family Residential (up to a maximum density of 1 unit/2,000 square feet)	7:00 a.m. to 7:00 p.m. 7:00 p.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.	55 50 45
All other Residential	7:00 a.m. to 7:00 p.m. 7:00 p.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.	60 55 50
Commercial	7:00 a.m. to 7:00 p.m. 7:00 p.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.	65 60 60
Industrial or Agricultural	Anytime	75

SOURCE: City of San Diego Noise Abatement and Control Ordinance Section 59.5.0401.
dB(A) L_{eq} = A-weighted decibels equivalent noise level

2.3.2 Construction Noise

Section 59.5.0404 of the City's Noise Abatement and Control Ordinance states that:

A. It shall be unlawful for any person, between the hours of 7:00 p.m. of any day and 7:00 a.m. of the following day, or on legal holidays as specified in Section 21.04 of the San Diego Municipal Code, with exception of Columbus Day and Washington's Birthday, or on Sundays, to erect, construct, demolish, excavate for, alter or repair any building or structure in such a manner as to create disturbing, excessive or offensive noise. . . .

B. . . . it shall be unlawful for any person, including the City of San Diego, to conduct any construction activity so as to cause, at or beyond the property lines of any property zoned residential, an average sound level greater than 75 decibels during the 12-hour period from 7:00 a.m. to 7:00 p.m.

Construction would be restricted to between the hours of 7:00 a.m. and 7:00 p.m. and construction noise levels may not exceed a 12-hour equivalent noise level [dB(A) $L_{eq(12)}$] of 75 dB(A) $L_{eq(12)}$ as assessed at or beyond the property line of a property zoned residential. As discussed, there are residential uses located north of the project site.

2.4 California Code of Regulations

Interior noise levels for habitable rooms are regulated also by Title 24 of the California Code of Regulations California Noise Insulation Standards. Title 24, Chapter 12, Section 1207.4, of the California Building Code requires that interior noise levels attributable to exterior sources not exceed 45 CNEL in any habitable room within a residential structure. A habitable room is a room used for living, sleeping, eating, or cooking. Bathrooms, closets, hallways, utility spaces, and similar areas are not considered habitable rooms for this regulation (24 California Code of Regulations 1207 2016).

3.0 Existing Conditions

Existing noise levels at the project site were measured on January 16, 2018, using one Larson-Davis LxT Sound Expert Sound Level Meters, serial number 3827. The following parameters were used:

Filter:	A-weighted
Response:	Slow
Time History Period:	5 seconds

The meter was calibrated before and after each measurement. The meter was set 5 feet above the ground level for each measurement.

Noise measurements were taken to obtain typical ambient noise levels at the project site and in the vicinity. The weather was warm and sunny. Three 15-minute measurements were taken, as described below. The primary sources of on-site noise were due to traffic on SR-905, Otay Mesa Road, and Ocean View Hills Parkway/Caliente Avenue. The measurement locations are shown on Figure 4, and detailed data is contained in Attachment 1.

Measurement 1 was located at the southern property fence line, approximately 150 feet north of SR-905 and 50 feet north of the SR-905 off-ramp. The main source of noise at this location was vehicle traffic on SR-905. During the 15-minute measurement period, vehicle traffic on westbound SR-905 was counted. The average measured noise level was 75.9 dB(A) L_{eq}.

Measurement 2 was located at the northern property line, approximately 40 feet south of Otay Mesa Road. The main source of noise at this location was vehicle traffic on Otay Mesa Road. Secondary sources of noise included vehicle traffic on SR-905 and aircraft. During the 15-minute measurement period, vehicle traffic on Otay Mesa Road was counted. The average measured noise level was 62.7 dB(A) L_{eq}.

Measurement 2 was located at the western property line, approximately 50 feet east of Caliente Avenue. The main source of noise at this location was vehicle traffic on Caliente Avenue. Secondary sources of noise included vehicle traffic on SR-905 and Otay Mesa Road. During the 15-minute measurement period, vehicle traffic on Caliente Avenue was counted. The average measured noise level was 61.5 dB(A) L_{eq}.

Image Source: Nearmap (flown April 2021)

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FIGURE 4

Noise Measurement Locations

Noise measurements are summarized in Table 3, and vehicle traffic counts are summarized in Table 4.

Table 3
Noise Measurements

Measurement	Location	Time	Noise Sources	L_{eq}	L_{90}
1	Southern property line, 150 feet north of SR-905	2:27 P.M. – 2:42 P.M.	Vehicle traffic on SR-905	75.9	73.2
2	Northern property line, 40 feet south of Otay Mesa Road	2:55 P.M. – 3:10 P.M.	Vehicle traffic on Otay Mesa Road	62.7	52.3
3	Western property line, 50 feet east of Caliente Avenue	3:30 P.M. – 3:45 P.M.	Vehicle traffic on Caliente Avenue	61.5	56.7
Note: Noise measurement data is contained in Attachment 1.					

Table 4
15-minute Traffic Counts

Measurement	Roadway	Direction	Autos	Medium Trucks	Heavy Trucks	Buses	Motorcycles
1	SR-905	Westbound	606	22	48	0	2
2	Otay Mesa Road	Westbound	177	6	1	1	1
		Eastbound	127	7	2	1	1
3	Caliente Avenue	Northbound	184	6	3	0	1
		Southbound	269	1	1	1	3

4.0 Analysis Methodology

Noise level predictions and contour mapping were developed using noise modeling software, SoundPlan Essential, version 3.0 (Navcon Engineering 2015). SoundPLAN calculates noise propagation based on the International Organization for Standardization method (ISO 9613-2 – Acoustics, Attenuation of Sound during Propagation Outdoors). The model calculates noise levels at selected receiver locations using input parameter estimates such as total noise generated by each noise source; distances between sources, barriers, and receivers; and shielding provided by intervening terrain, barriers, and structures. The model outputs can be developed as noise level contour maps or noise levels at specific receivers. In all cases, receivers were modeled at 5 feet above ground elevation, which represents the average height of the human ear.

4.1 Construction Noise Analysis

Project construction noise would be generated by diesel engine-driven construction equipment used for site preparation and grading, building construction, loading, unloading, and placing materials and paving. Diesel engine-driven trucks also would bring materials to the site and remove the soils from excavation.

Construction equipment with a diesel engine typically generates maximum noise levels from 80 to 90 dB(A) L_{eq} at a distance of 50 feet (Highway Administration [FHWA] 2006). Table 5 summarizes typical construction equipment noise levels.

Table 5 Typical Construction Equipment Noise Levels		
Equipment	Noise Level at 50 Feet [dB(A) L_{eq}]	Typical Duty Cycle
Auger Drill Rig	85	20%
Backhoe	80	40%
Blasting	94	1%
Chain Saw	85	20%
Clam Shovel	93	20%
Compactor (ground)	80	20%
Compressor (air)	80	40%
Concrete Mixer Truck	85	40%
Concrete Pump	82	20%
Concrete Saw	90	20%
Crane (mobile or stationary)	85	20%
Dozer	85	40%
Dump Truck	84	40%
Excavator	85	40%
Front End Loader	80	40%
Generator (25 kilovolt ampts or less)	70	50%
Generator (more than 25 kilovolt amps)	82	50%
Grader	85	40%
Hydra Break Ram	90	10%
Impact Pile Driver (diesel or drop)	95	20%
Insitu Soil Sampling Rig	84	20%
Jackhammer	85	20%
Mounted Impact Hammer (hoe ram)	90	20%
Paver	85	50%
Pneumatic Tools	85	50%
Pumps	77	50%
Rock Drill	85	20%
Roller	74	40%
Scraper	85	40%
Tractor	84	40%
Vacuum Excavator (vac-truck)	85	40%
Vibratory Concrete Mixer	80	20%
Vibratory Pile Driver	95	20%
SOURCE: FHWA 2006.		

During excavation, grading, and paving operations, equipment moves to different locations and goes through varying load cycles, and there are breaks for the operators and for non-equipment tasks, such as measurement. Although maximum noise levels may be 85 to 90 dB(A) at a distance of 50 feet during most construction activities, hourly average noise levels from the grading phase of construction would be 82 dB(A) L_{eq} at 50 feet from the center of construction activity when assessing the loudest pieces of equipment working simultaneously.

4.2 Traffic Noise Analysis

The SoundPLAN program uses the FHWA Traffic Noise Model algorithms and reference levels to calculate traffic noise levels at selected receiver locations. The model uses various input parameters,

such as projected hourly average traffic rates; vehicle mix, distribution, and speed; roadway lengths and gradients; distances between sources, barriers, and receivers; and shielding provided by intervening terrain, barriers, and structures. Receivers, roadways, and barriers were input into the model using three-dimensional coordinates. The locations of future buildings were obtained from project drawings.

The main source of traffic noise at the project site is vehicle traffic on SR-905, Otay Mesa Road, Caliente Avenue, and SR-905 on- and off-ramps. For the purpose of the future traffic noise compatibility analysis, the noisiest condition is represented as the maximum level of service (LOS) C traffic volume. This condition represents a condition where the maximum number of vehicles are using the roadway at the maximum speed. LOS A and B categories allow full travel speed but do not have as many vehicles, while LOS E and F have a greater number of vehicles, but due to the traffic volume travel at reduced speeds, thus generating less noise.

Freeway and roadway classifications and maximum Level of Service (LOS C) volumes were obtained from the Transportation Analysis prepared for the Otay Mesa CPU (Urban Systems Associates, Inc. 2012). Vehicle classification mixes were obtained from the California Department of Transportation (Caltrans) truck counts (Caltrans 2015). Maximum LOS C volumes for the freeway and ramps were presented as hourly volumes per lane. For Otay Mesa Road and Caliente Avenue, the peak hour volumes were calculated as 10 percent of the maximum LOS C daily volume. According to Caltrans peak hour counts for SR-905 adjacent to the project site (Caltrans 2016), this is conservative.

Table 6 summarizes the traffic parameters used in this compatibility analysis.

Table 6
Traffic Parameters

Roadway	Classification	Maximum LOS C Volume[1]	Total Peak Hour Volume[2]	Speed (mph)	Vehicle Mix (percent)[3]				
					Auto	MT	HT	Bus	MC
Otay Mesa Road	6-Lane Prime Arterial	55,000 ADT	5,500	55	87.7	4.1	6.2	1.0	1.0
Caliente Avenue	4-Lane Major Arterial	35,000 ADT	3,500	30	87.7	4.1	6.2	1.0	1.0
SR-905	6-Lane Freeway	1,880 vehicles per hour per lane	11,280	65/55[4]	87.7	4.1	6.2	1.0	1.0
SR-905 WB Off-Ramp	1-Lane Ramp	1,440 vehicles per hour per lane	1,440	30	87.7	4.1	6.2	1.0	1.0
SR-905 WB On-Ramp	1-Lane Ramp	1,440 vehicles per hour per lane	1,440	30	87.7	4.1	6.2	1.0	1.0
SR-905 EB Off-Ramp	1-Lane Ramp	1,440 vehicles per hour per lane	1,440	30	87.7	4.1	6.2	1.0	1.0
SR-905 EB On-Ramp	1-Lane Ramp	1,440 vehicles per hour per lane	1,440	30	87.7	4.1	6.2	1.0	1.0

LOS = level of service; ADT = average daily traffic; mph = miles per hour; SR-905 = State Route 905; WB = westbound; EB = eastbound

[1] Freeway Mainline Capacity = 2,350 vehicles per hour per lane
Freeway Auxiliary Lane Capacity = 1,800 vehicle per hour per lane
Maximum LOS Volume = 80% Capacity

[2] For Otay Mesa Road and Caliente Avenue: Total Peak Hour Volume = 10% Maximum LOS C ADT

[3] Auto = Automobile, MT = Medium Truck, HT = Heavy Truck, MC = Motorcycle

[4] Freeway speed limit is 65 mph for all vehicles except trucks, Truck speed limit is 55 mph

4.3 On-site Generated Noise Analysis

The noise sources on the project site after completion of construction are anticipated to be those that would be typical of any residential complex, such as vehicles arriving and leaving, children at play, and landscape maintenance machinery. None of these noise sources is anticipated to violate the City's Noise Abatement and Control Ordinance or result in a substantial permanent increase in existing noise levels. However, the project would ground-floor HVAC units. Noise generated by the HVAC units was calculated and compared to City Noise Abatement and Control Ordinance limits (see Table 2).

It is not known at this time which manufacturer, brand, or model of unit or units would be selected for use in the project. For the purposes of this analysis, to determine what general noise levels the HVAC units would generate, it was assumed that the units would be similar to a Trane split system unit with a sound power level of 72 dB(A). The unit specification sheets are included in Attachment 2. Noise levels were modeled with all HVAC units running at full capacity during the daytime and evening hours (7 a.m. to 10 p.m.) and 50 percent capacity during the nighttime hours (10 p.m. to 7 a.m.).

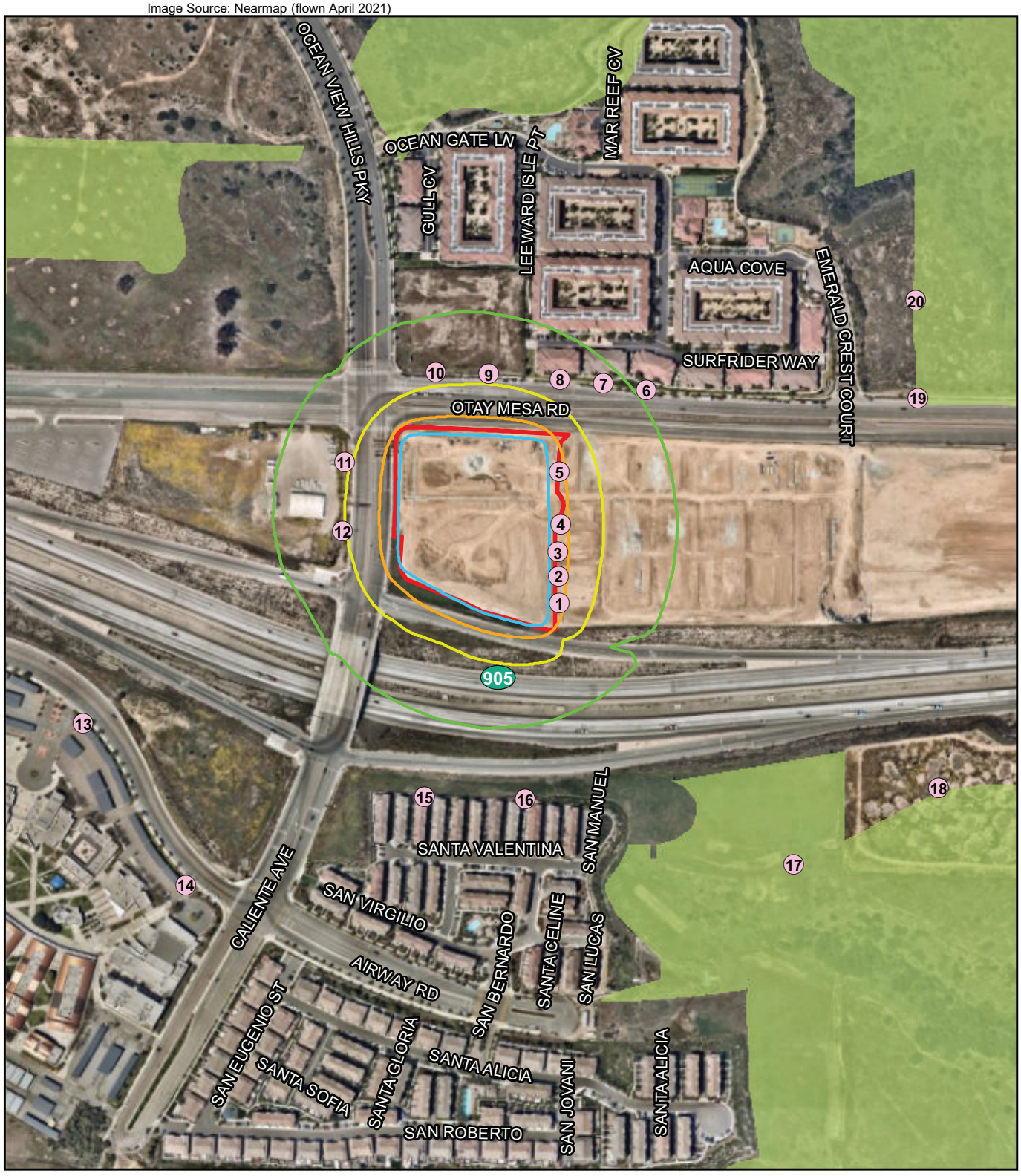
5.0 Future Acoustical Environment and Impacts

5.1 Construction Noise

Noise associated with the grading, building, and paving for the project would potentially result in short-term impacts to surrounding properties. The project site is surrounded by multi-family uses to the north, SR-905 and open space to the south, and San Ysidro High School to the southwest. Multi-family uses are currently being constructed east of the project site on Lot 2 of the approved California Terraces PA-61 project. Additionally, Multi-Habitat Planning Area (MHPA) habitat is located northeast and southeast of the project site. A variety of noise-generating equipment would be used during the construction phase of the project, such as excavators, backhoes, front-end loaders, and concrete saws, along with others. The exact number and pieces of construction equipment required are not known at this time. Although maximum noise levels may be 85 to 90 dB(A) at a distance of 50 feet during most construction activities, hourly average noise levels would be lower when taking into account the equipment usage factors. The loudest phase of construction would be the grading/excavation phase and would include dozers, loaders, and excavators. Construction noise levels were calculated based on all three pieces of equipment being active simultaneously.

Construction noise is considered a point source and would attenuate at approximately 6 dB(A) for every doubling of distance. Average hourly noise levels due to simultaneous activity would be 82 dB(A) L_{eq} at 50 feet. To reflect the nature of grading and construction activities, equipment was modeled as an area source distributed over the project footprint. The total sound energy of the area source was modeled with all pieces of equipment operating simultaneously. Noise levels were modeled at a series of 20 receivers located at the adjacent uses and MHPA. The results are summarized in Table 7. Modeled receiver locations and construction noise contours are shown in Figure 5. SoundPLAN data is contained in Attachment 3.

Image Source: Nearmap (flown April 2021)



Project Boundary
City of San Diego MHPA
Receiver

Construction Noise Contours
60 dB(A) Leq
65 dB(A) Leq
70 dB(A) Leq
75 dB(A) Leq

0 Feet 400

FIGURE 5
Construction Noise Contours

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Table 7 Construction Noise Levels at Off-site Receivers		
Receiver	Land Use	Construction Noise Level [dB(A) L_{eq}]
1	Residential	71
2	Residential	72
3	Residential	72
4	Residential	72
5	Residential	71
6	Residential	60
7	Residential	61
8	Residential	63
9	Future Residential	64
10	Future Residential	64
11	Vacant	65
12	Vacant	65
13	School	52
14	School	52
15	Residential	57
16	Residential	57
17	MHPA	52
18	MHPA	50
19	MHPA	52
20	MHPA	51
dB(A) L_{eq} = A-weighted decibels equivalent noise level MHPA = multi-habitat planning area		

As shown, construction noise levels are not anticipated to exceed 75 dB(A) L_{eq} at the adjacent residential uses or 60 dB(A) L_{eq} at the adjacent MHPA habitat. Although the existing adjacent residences and MHPA would be exposed to construction noise levels that could be heard above ambient conditions, the exposure would be temporary. Additionally, construction activities are not anticipated to exceed 75 dB(A)L_{eq}. As construction activities associated with the project would comply with noise level limits from Noise Abatement and Control Ordinance Section 59.5.0404, temporary increases in noise levels from construction activities would be less than significant.

5.2 Vehicle Traffic Noise

5.2.1 On-site Noise Compatibility

The project site is located within the Otay Mesa CPU area. As discussed, noise impacts were addressed in the FPEIR which was approved in 2013. For the proposed project, as required by mitigation measure NOI-1, this site-specific noise analysis calculates exterior noise levels and analyzes noise reduction measures, as necessary, to demonstrate that future noise would not exceed the residential noise compatibility standards of the General Plan. Multi-family residential uses are "compatible" with exterior noise levels up to 60 CNEL, and "conditionally compatible" with exterior

noise levels up to 70 CNEL. In "conditionally compatible" areas, feasible noise mitigation techniques should be analyzed and incorporated to make the outdoor activities acceptable, and building structures must attenuate exterior noise levels to an indoor noise level of 45 CNEL. The exterior compatibility standard is applicable at the proposed exterior use areas. In the case of the proposed project, exterior use areas include the balconies.

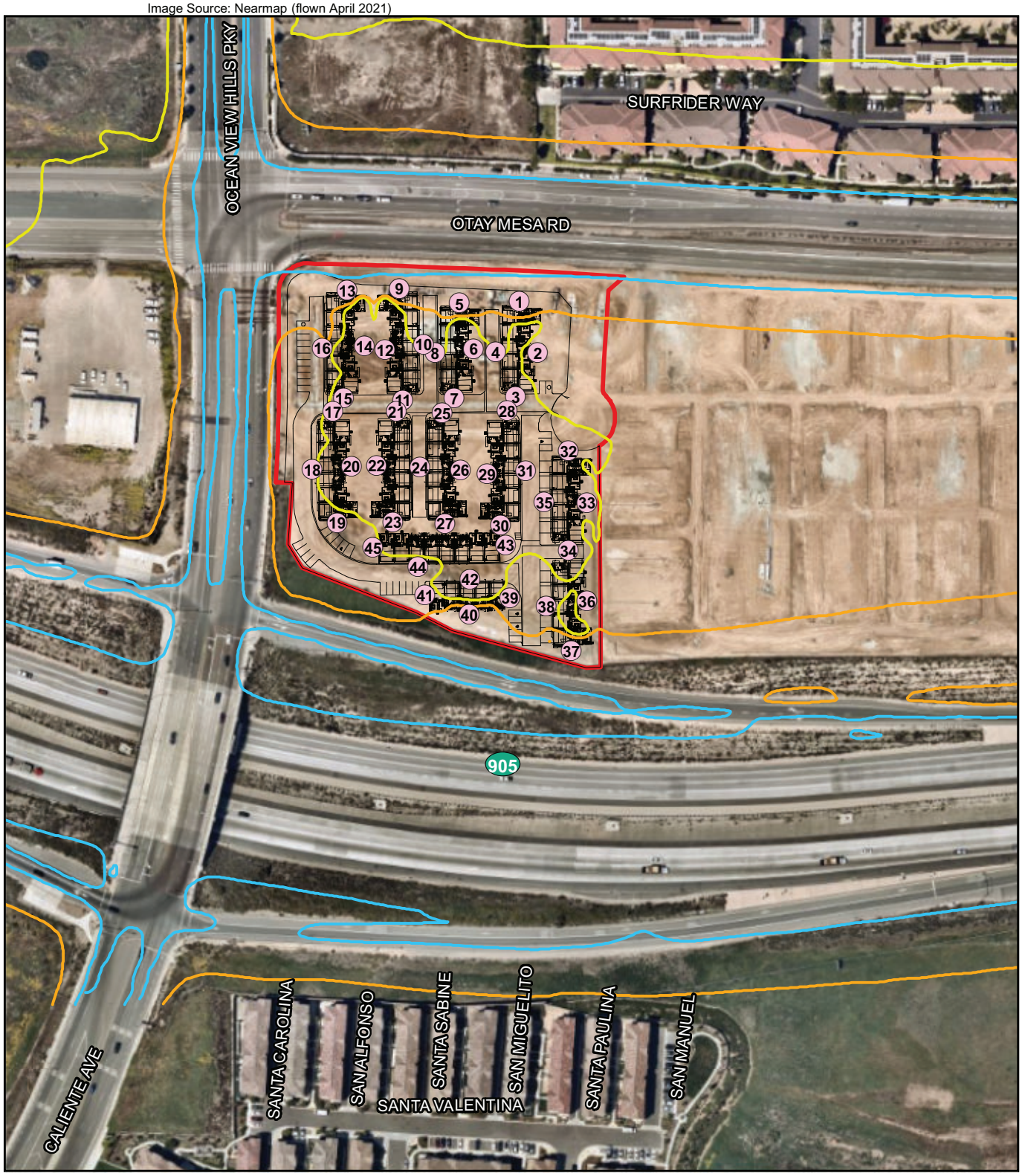
Exterior Noise

Vehicle traffic noise level contours across the project site were calculated using SoundPLAN. These contours take into account shielding provided by proposed buildings, topography, and proposed grading. These noise contours are shown in Figure 6. As shown, first-floor noise levels would exceed 65 CNEL across the entire perimeter of project site, and would exceed 70 CNEL at the northernmost buildings closest to Otay Mesa Road and the southernmost buildings closest to SR-905.

To determine exterior noise levels at the first-, second-, and third-floor building façades, noise levels were modeled at 45 specific receiver locations, as shown in Figure 6. Exterior noise levels were modeled at first- through third-floor elevations. The results are summarized in Table 8. SoundPLAN data are provided in Attachment 4.

The exterior use areas for the proposed project include the proposed balconies. As shown, exterior noise levels could exceed 70 CNEL at the building façades. Therefore, to refine the analysis further and determine if exterior noise levels would exceed 70 CNEL on the proposed balconies, exterior noise levels were modeled at each proposed second-floor balcony location. Note that there are no balconies proposed at the third floor level. Balcony receiver locations are shown in Figure 7. As shown, balcony noise levels are projected to exceed the "conditionally compatible" noise level of 70 CNEL at five of the balconies facing SR-905. Therefore, the project includes noise attenuating design measures in the form of a solid 3.5-foot balcony wall extending the length/perimeter of the balcony on the five balconies. In order to reduce noise levels at these receivers, the 3.5-foot balcony railing would need to be constructed as a solid barrier. Noise levels at these balconies were modeled with construction of this 3.5-foot balcony, and the results are summarized in Table 9. SoundPLAN data is provided in Attachment 4. Due to the building orientations and balcony design, all other balconies would be sufficiently shielded from roadway noise and noise levels would not exceed 70 CNEL. Modeled noise levels at all 79 balconies are provided in Attachment 4.

Image Source: Nearmap (flown April 2021)



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Project Boundary
Site Plan
On-site Receiver

Vehicle Traffic Noise Contours
65 CNEL
70 CNEL
75 CNEL

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FIGURE 6
Vehicle Traffic Noise Contours

FIGURE 7

Second-Floor Balcony Receivers

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Table 8 Future Vehicle Traffic Noise Levels				
		Exterior Noise Level (CNEL)		
Receiver	Location	First Floor	Second Floor	Third Floor
1	Residential Building Façade	73	75	75
2	Residential Building Façade	66	68	69
3	Residential Building Façade	60	62	63
4	Residential Building Façade	65	65	66
5	Residential Building Façade	73	74	74
6	Residential Building Façade	62	64	64
7	Residential Building Façade	56	57	60
8	Residential Building Façade	65	65	66
9	Residential Building Façade	75	75	76
10	Residential Building Façade	66	66	67
11	Residential Building Façade	56	57	59
12	Residential Building Façade	60	61	62
13	Residential Building Façade	75	75	76
14	Residential Building Façade	60	61	62
15	Residential Building Façade	62	64	66
16	Residential Building Façade	70	70	71
17	Residential Building Façade	64	66	67
18	Residential Building Façade	67	70	71
19	Residential Building Façade	67	70	72
20	Residential Building Façade	57	59	61
21	Residential Building Façade	57	58	60
22	Residential Building Façade	57	59	61
23	Residential Building Façade	62	65	66
24	Residential Building Façade	53	55	58
25	Residential Building Façade	59	60	61
26	Residential Building Façade	55	57	59
27	Residential Building Façade	55	57	60
28	Residential Building Façade	61	63	64
29	Residential Building Façade	54	54	57
30	Residential Building Façade	62	65	66
31	Residential Building Façade	63	65	66
32	Residential Building Façade	65	66	67
33	Residential Building Façade	65	67	68
34	Residential Building Façade	63	65	66
35	Residential Building Façade	61	64	65
36	Residential Building Façade	67	68	69
37	Residential Building Façade	74	74	75
38	Residential Building Façade	69	70	71
39	Residential Building Façade	67	69	70
40	Residential Building Façade	70	72	73
41	Residential Building Façade	69	71	72
42	Residential Building Façade	62	63	64
43	Residential Building Façade	63	65	66
44	Residential Building Façade	69	70	71
45	Residential Building Façade	68	70	71

Table 9 Mitigated Future Vehicle Traffic Noise Levels		
	Balcony Noise Level (CNEL)	
Receiver	Without Balcony Barriers	With Balcony Barriers
74	71	67
75	72	65
76	72	67
77	72	68
78	72	68

As shown, with construction of a solid 3.5-foot balcony wall, balcony noise levels would be reduced to less than 70 CNEL, and impacts would be reduced to less than significant.

Interior Noise

Interior noise levels can be reduced through standard construction techniques. When windows are closed, standard construction techniques provide various exterior-to-interior noise level reductions depending on the type of structure and window. According to the FHWA's Highway Traffic Noise Analysis and Abatement Guidance, buildings with masonry façades and double glazed windows can be estimated to provide a noise level reduction of 35 dB, while light-frame structures with double glazed windows may provide noise level reductions of 20 to 25 dB (FHWA 2011).

The interior noise level standard for residential uses is 45 CNEL. As shown in Table 8, exterior noise levels at the residential building façades would be as high as 76 CNEL. A noise reduction of up to 31 dB would be required to achieve an interior noise level of 45 CNEL or less. As required by NOI-2 of the Otay Mesa CPU FPEIR (see Section 2.1), prior to the issuance of building permits, a site-specific interior noise analysis would be prepared demonstrating that the window, door, and wall components would achieve a necessary sound transmission class rating required to reduce interior noise levels to 45 CNEL or less. The units that would require the interior noise analysis are indicated in Figure 8. With implementation of mitigation measure NOI-2 of the Otay Mesa CPU FEIR, interior noise impacts would be reduced to less than significant.

5.2.2 Off-site Vehicle Traffic Noise

The project would increase traffic volumes on local roadways. However, the project would not substantially alter the vehicle classifications mix on local or regional roadways nor would the project alter the speed on an existing roadway or create a new roadway. Thus, the primary factor affecting off-site noise levels would be increased traffic volumes. While changes in noise levels would occur along any roadway where project-related traffic occurs, for noise assessment purposes, noise level increases are assumed to be greatest nearest the project site, as this location would represent the greatest concentration of project-related traffic. A substantial noise increase is defined as an increase of 3 dB above existing conditions as stated in the City's California Environmental Quality Act (CEQA) significance standards.

FIGURE 8

Units Requiring Site Specific Interior Noise Analysis

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Traffic noise was evaluated as a part of the noise analysis prepared for the 2019 project. Based on the land uses proposed, it was found that the 2019 project's contribution to the increase over ambient noise levels would be less than 1 dB and would therefore be less than significant (RECON 2019). Applying a trip generation rate of 72 cumulative trips and 120 driveway trips per 1,000 square feet for a neighborhood shopping center, a 45,000-square-foot retail use would generate 3,240 daily cumulative trips and 5,400 daily driveway trips, which are significantly greater than the 632 daily trips generated by the proposed project. Therefore, the noise level increases associated with the project would be less than those previously analyzed. Therefore, the project would result in a less than cumulatively considerable off-site noise level increase, and direct and cumulative traffic noise impacts associated with the project would be less than significant.

5.3 On-site Generated Noise

The primary noise sources on-site would be HVAC equipment. Using the on-site noise source parameters discussed in Section 4.3, noise levels were modeled at a series of 20 receivers located at the property line. HVAC unit locations were obtained from the roof plan drawings. Noise generated by HVAC equipment would occur on an intermittent basis, primarily during the day and evening hours and less frequently during the nighttime hours. For a worst-case analysis, it was assumed that the HVAC units would operate continuously.

Modeled receivers, the locations of the HVAC units, and the daytime and evening noise contours are shown in Figure 9, and the nighttime noise contours are shown in Figure 10. Modeled data is included in Attachment 5. Future projected noise levels are summarized in Table 10.

Table 10
HVAC Noise Levels at Adjacent Property Lines

Receiver	Land Use	Noise Limit [dB(A) L_{eq}]	Noise Level [dB(A) L_{eq}]	
		Daytime/Evening/Nighttime	Daytime/Evening	Nighttime
1	Residential	55/50/45	47	44
2	Residential	55/50/45	48	45
3	Residential	55/50/45	48	45
4	Residential	55/50/45	43	40
5	Residential	55/50/45	40	37
6	Residential	55/50/45	28	25
7	Residential	55/50/45	30	27
8	Residential	55/50/45	32	29
9	Future Residential	55/50/45	32	29
10	Future Residential	55/50/45	32	29
11	Vacant	--	26	23
12	Vacant	--	25	22
13	School	55/50/45*	15	12
14	School	55/50/45*	15	12
15	Residential	55/50/45	23	20
16	Residential	55/50/45	23	20
17	MHPA	60	18	15
18	MHPA	60	16	13
19	MHPA	60	18	15
20	MHPA	60	17	14

dB(A) L_{eq} = A-weighted decibels equivalent noise level; MHPA = multi-habitat planning area
*Residential noise level limits applied at the school.

Image Source: Nearmap (flown April 2021)

Project Boundary

City of San Diego MHPA

Receiver

HVAC Units

Daytime/Evening HVAC Noise Contours

35 dB(A) Leq

40 dB(A) Leq

45 dB(A) Leq

RECON

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FIGURE 9

Daytime/Evening HVAC Noise Contours

Image Source: Nearmap (flown April 2021)

FIGURE 10

Nighttime HVAC Noise Contours

RECON

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As shown, daytime and evening HVAC noise levels at the adjacent properties would not exceed 55 or 50 dB(A) L_{eq} and nighttime HVAC noise levels would not exceed 45 dB(A) L_{eq}. Noise levels would not exceed the applicable Noise Abatement and Control Ordinance limits at the property lines. Additionally, HVAC noise levels would not exceed 60 dB(A) L_{eq} at the MHPA. Noise impact associated with on-site generated noise would be less than significant.

6.0 Conclusions

6.1 Construction Noise

As shown in Table 7, construction noise levels are not anticipated to exceed 75 dB(A) L_{eq} at the adjacent residential uses, or 60 dB(A) L_{eq} at the adjacent MHPA habitat. Although the existing adjacent residences and MHPA would be exposed to construction noise levels that could be heard above ambient conditions, the exposure would be temporary. Additionally, construction activities are not anticipated to exceed 75 dB(A)L_{eq}. As construction activities associated with the project would comply with noise level limits from Noise Abatement and Control Ordinance Section 59.5.0404, temporary increases in noise levels from construction activities would be less than significant.

6.2 Vehicle Traffic Noise

6.2.1 On-site Noise Compatibility

The main source of noise at the project site is vehicle traffic on SR-905, Otay Mesa Road, Caliente Avenue, and SR-905 on- and off-ramps. Multi-family residential uses are "compatible" with exterior noise levels up to 60 CNEL, and "conditionally compatible" with exterior noise levels up to 70 CNEL. In "conditionally compatible" areas, feasible noise mitigation techniques should be analyzed and incorporated to make the outdoor activities acceptable, and building structures must attenuate exterior noise levels to an indoor noise level of 45 CNEL. The exterior compatibility standard is applicable at the proposed exterior use areas. In the case of the proposed project, exterior use areas include two common space areas and the balconies.

Exterior noise levels were modeled at each proposed balcony location. Balcony noise levels are projected to exceed the "conditionally compatible" noise level of 70 CNEL at five of the balconies facing SR-905. Therefore, the project includes noise attenuating design measures in the form of a solid 3.5-foot balcony wall extending the length/perimeter of the balcony on the five balconies. With construction of a solid 3.5-foot balcony wall, balcony noise levels would be reduced to 70 CNEL or less at all balconies. Due to the building orientations and balcony design, all other balconies would be sufficiently shielded from roadway noise and noise levels would not exceed 70 CNEL. With construction of the 3.5-foot balcony walls identified in Figure 8, exterior noise impacts would be reduced to less than significant.

The interior noise level standard for residential uses is 45 CNEL. A noise reduction of up to 31 dB would be required to achieve an interior noise level of 45 CNEL or less. As required by NOI-2 of the Otay Mesa CPU FPEIR (see Section 2.1), prior to the issuance of building permits, a site-specific

interior noise analysis would be prepared demonstrating that the window, door, and wall components would achieve a necessary sound transmission class rating required to reduce interior noise levels to 45 CNEL or less. Thus, interior noise impacts would be less than significant.

6.2.2 Off-site Vehicle Traffic Noise

The project would increase traffic volumes on local roadways. However, the project would not substantially alter the vehicle classifications mix on local or regional roadways, nor would the project alter the speed on an existing roadway or create a new roadway. Thus, the primary factor affecting off-site noise levels would be increased traffic volumes. A substantial noise increase is defined as an increase of 3 dB above existing conditions as stated in the City's CEQA significance standards.

Traffic noise was evaluated as a part of the noise analysis prepared for the 2019 project. It was found that the 2019 project's contribution to the increase over ambient noise levels would be less than 1 dB and would therefore be less than significant (RECON 2019). The proposed project would generate less traffic than the 2019 project; therefore, the noise level increases associated with the project would be less than those previously analyzed. The project would result in a less than cumulatively considerable off-site noise level increase, and direct and cumulative traffic noise impacts associated with the project would be less than significant.

6.3 On-site Generated Noise

The noise sources on the project site after completion of construction are anticipated to be those that would be typical of any residential complex, such as vehicles arriving and leaving and landscape maintenance machinery. None of these noise sources is anticipated to violate the City's Noise Abatement and Control Ordinance. Ground-floor HVAC noise levels were modeled at the adjacent property lines. As shown in Table 10, daytime and evening HVAC noise levels at the adjacent properties would not exceed 55 or 50 dB(A) L_{eq} and nighttime HVAC noise levels would not exceed 45 dB(A) L_{eq}. Noise levels would not exceed the applicable Noise Abatement and Control Ordinance limits at the property lines. Additionally, HVAC noise levels would not exceed 60 dB(A) L_{eq} at the MHPA. Impacts would be less than significant.

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2015 SoundPLAN Essential version 3.0.

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2019 Noise Analysis for the California Terraces Planning Area 61 Project, San Diego, California. Prepared for Pardee Homes. RECON Number 4135-1. February 26, 2019.

San Diego, City of
2012 Final City of San Diego Biology Guidelines for the Environmentally Sensitive Lands Regulations (ESL), the Open Space Residential (OR-1-2) Zone, and the California Environmental Quality Act (CEQA). June.

2013 Final Program Environmental Impact Report for the Otay Mesa Community Plan Update. Project Number 30330/304032, SCH No. 2004651076. December 18.

2015 City of San Diego General Plan Amendments. Resolution Number R- 309817 Final Environmental Impact Report No. 104495 Addendum R-309818. Adopted by City Council on June 29.

Urban Systems Associates, Inc.
2012 Transportation Analysis for the Otay Mesa CPU.

ATTACHMENTS

ATTACHMENT 1

Noise Measurement Data

Summary					
Filename	LxT_Data.019				
Serial Number	3827				
Model	SoundExpert™ LxT				
Firmware Version	2.301				
User					
Location					
Job Description					
Note					
Measurement Description					
Start	2018/01/16 14:27:24				
Stop	2018/01/16 14:42:30				
Duration	0:15:06.4				
Run Time	0:15:06.4				
Pause	0:00:00.0				
Pre Calibration	2018/01/16 14:21:13				
Post Calibration	None				
Calibration Deviation	---				
Overall Settings					
RMS Weight	A Weighting				
Peak Weight	A Weighting				
Detector	Slow				
Preamp	PRMLxT1L				
Microphone Correction	Off				
Integration Method	Linear				
OBA Range	Normal				
OBA Bandwidth	1/1 and 1/3				
OBA Freq. Weighting	A Weighting				
OBA Max Spectrum	At Lmax				
Overload	121.7 dB				
	A		**C**		**Z**
Under Range Peak	**78.0**		75.0		80.0 dB
Under Range Limit	**26.0**		25.2		32.0 dB
Noise Floor	16.2		16.1		21.9 dB
Results					
LAeq	75.9 dB				
LAE	105.5 dB				
EA	3.946 mPa²h				
LApeak (max)	2018/01/16 14:39:09		95.6 dB		
LASmax	2018/01/16 14:33:05		81.4 dB		
LASmin	2018/01/16 14:28:38		67.1 dB		
SEA	-99.9 dB				
LAS > 85.0 dB (Exceedence Counts / Duration)	0		0.0 s		
LAS > 115.0 dB (Exceedence Counts / Duration)	0		0.0 s		
LApeak > 135.0 dB (Exceedence Counts / Duration)	0		0.0 s		
LApeak > 137.0 dB (Exceedence Counts / Duration)	0		0.0 s		
LApeak > 140.0 dB (Exceedence Counts / Duration)	0		0.0 s		

Community Noise	**Ldn**	**LDay 07:00-22:00**	**LNight 22:00-07:00**	**Lden**	**LDay 07:00-19:00**	**LEvening 19:00-22:00**
	75.9	75.9	-99.9	75.9	75.9	-99.9
LCeq	79.9 dB					
LAeq	75.9 dB					
LCeq - LAeq	4.0 dB					
LAleq	76.6 dB					
LAeq	75.9 dB					
LAleq - LAeq	0.7 dB					
# Overloads	0					
Overload Duration	0.0 s					
# OBA Overloads	0					
OBA Overload Duration	0.0 s					
Statistics						
LAS5.00	78.3 dB					
LAS10.00	77.6 dB					
LAS33.30	76.4 dB					
LAS50.00	75.7 dB					
LAS66.60	75.0 dB					
LAS90.00	73.2 dB					

Summary	
Filename	LxT_Data.020
Serial Number	3827
Model	SoundExpert™ LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	
Measurement Description	
Start	2018/01/16 14:54:52
Stop	2018/01/16 15:10:21
Duration	0:15:28.8
Run Time	0:15:28.8
Pause	0:00:00.0
Pre Calibration	2018/01/16 14:51:09
Post Calibration	None
Calibration Deviation	---
Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1L
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Freq. Weighting	A Weighting
OBA Max Spectrum	At Lmax
Overload	121.8 dB

	A	C	Z
Under Range Peak	**78.1**	75.1	80.1 dB
Under Range Limit	**26.1**	25.2	32.1 dB
Noise Floor	16.3	16.1	22.0 dB

Results		
LAeq	62.7 dB	
LAE	92.3 dB	
EA	190.023 µPa²h	
LApeak (max)	2018/01/16 15:10:09	96.1 dB
LASmax	2018/01/16 15:10:09	79.8 dB
LASmin	2018/01/16 15:01:31	47.7 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedence Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s

Community Noise	**Ldn**	**LDay 07:00-22:00**	**LNight 22:00-07:00**	**Lden**	**LDay 07:00-19:00**	**LEvening 19:00-22:00**	**LNight 22:00-07:00**
	62.7	62.7	-99.9	62.7	62.7	-99.9	-99.9

LCeq	74.2 dB
LAeq	62.7 dB
LCeq - LAeq	11.6 dB
LAleq	64.1 dB
LAeq	62.7 dB
LAleq - LAeq	1.5 dB
# Overloads	0
Overload Duration	0.0 s
# OBA Overloads	0
OBA Overload Duration	0.0 s
Statistics	
LAS5.00	67.3 dB
LAS10.00	65.0 dB
LAS33.30	60.3 dB
LAS50.00	57.9 dB
LAS66.60	56.0 dB
LAS90.00	52.3 dB

Summary								
Filename	LxT_Data.021							
Serial Number	3827							
Model	SoundExpert™ LxT							
Firmware Version	2.301							
User								
Location								
Job Description								
Note								
Measurement Description								
Start	2018/01/16 15:29:31							
Stop	2018/01/16 15:44:38							
Duration	0:15:06.9							
Run Time	0:15:06.9							
Pause	0:00:00.0							
Pre Calibration	2018/01/16 15:25:49							
Post Calibration	None							
Calibration Deviation	---							
Overall Settings								
RMS Weight	A Weighting							
Peak Weight	A Weighting							
Detector	Slow							
Preamp	PRMLxT1L							
Microphone Correction	Off							
Integration Method	Linear							
OBA Range	Normal							
OBA Bandwidth	1/1 and 1/3							
OBA Freq. Weighting	A Weighting							
OBA Max Spectrum	At Lmax							
Overload	121.9 dB							
	A		**C**		**Z**			
Under Range Peak	**78.1**		75.1		80.1 dB			
Under Range Limit	**26.1**		25.2		32.1 dB			
Noise Floor	16.3		16.1		22.0 dB			
Results								
LAeq	61.5 dB							
LAE	91.0 dB							
EA	141.110 µPa²h							
LApeak (max)	2018/01/16 15:37:24		92.8 dB					
LASmax	2018/01/16 15:37:24		70.3 dB					
LASmin	2018/01/16 15:34:45		53.0 dB					
SEA	-99.9 dB							
LAS > 85.0 dB (Exceedence Counts / Duration)	0		0.0 s					
LAS > 115.0 dB (Exceedence Counts / Duration)	0		0.0 s					
LApeak > 135.0 dB (Exceedence Counts / Duration)	0		0.0 s					
LApeak > 137.0 dB (Exceedence Counts / Duration)	0		0.0 s					
LApeak > 140.0 dB (Exceedence Counts / Duration)	0		0.0 s					

Community Noise	**Ldn**	**LDay 07:00-22:00**	**LNight 22:00-07:00**	**Lden**	**LDay 07:00-19:00**	**LEvening 19:00-22:00**	**LNight 22:00-07:00**
	61.5	61.5	-99.9	61.5	61.5	-99.9	-99.9

LCeq	73.6 dB
LAeq	61.5 dB
LCeq - LAeq	12.2 dB
LAleq	62.4 dB
LAeq	61.5 dB
LAleq - LAeq	0.9 dB
# Overloads	0
Overload Duration	0.0 s
# OBA Overloads	0
OBA Overload Duration	0.0 s
Statistics	
LAS5.00	65.3 dB
LAS10.00	64.4 dB
LAS33.30	61.6 dB
LAS50.00	60.2 dB
LAS66.60	59.2 dB
LAS90.00	56.7 dB

ATTACHMENT 2

HVAC Specifications

ELECTRICAL DATA

38HDR UNIT SIZE	V–PH–Hz	VOLTAGE RANGE*		COMPRESSOR		OUTDOOR FAN MOTOR			MIN CKT AMPS	FUSE/CKT BKR AMPS
		Min	Max	RLA	LRA	FLA	NEC Hp	kW Out		
018–31	208/230–1–60	187	253	9.0	48.0	0.8	0.125	0.09	12.1	20
024–32	208/230–1–60	187	253	13.5	58.3	0.8	0.125	0.09	17.7	25
030–31	208/230–1–60	187	253	14.1	73.0	1.5	0.250	0.19	19.1	30
036–31	208/230–1–60	187	253	14.1	77.0	1.5	0.250	0.19	19.1	30
	208/230–3–60	187	253	9.2	71.0	1.5	0.250	0.19	13.0	20
	460–3–60	414	506	5.6	38.0	0.8	0.250	0.19	7.9	10
048–32	208/230–1–60	187	253	19.9	109.0	1.5	0.250	0.19	26.4	40
	208/230–3–60	187	253	13.1	83.1	1.5	0.250	0.19	17.9	25
	460–3–60	414	506	6.1	41.0	0.8	0.250	0.19	8.4	15
060–32	208/230–1–60	187	253	26.4	134.0	1.5	0.250	0.19	34.5	60
	208/230–3–60	187	253	16.0	110.0	1.5	0.250	0.19	21.5	30
	460–3–60	414	506	7.8	52.0	0.8	0.250	0.19	10.6	15

* Permissible limits of the voltage range at which the unit will operate satisfactorily

FLA – Full Load Amps

HACR – Heating, Air Conditioning, Refrigeration

LRA – Locked Rotor Amps

NEC – National Electrical Code

RLA – Rated Load Amps (compressor)

NOTE: Control circuit is 24–V on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

Complies with 2007 requirements of ASHRAE Standards 90.1

A-WEIGHTED SOUND POWER (dBA)

Unit Size	Standard Rating (dBA)	Typical Octave Band Spectrum (dBA) (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018–31	68	52.0	57.5	60.5	63.5	60.5	57.5	46.5
024–32	69	57.5	61.5	63.0	61.0	60.0	56.0	45.0
030–31	72	56.5	63.0	65.0	66.0	64.0	62.5	57.0
036–31	72	65.0	61.5	63.5	65.0	64.5	61.0	54.5
048–32	72	58.5	61.0	64.0	67.5	66.0	64.0	57.0
060–32	72	63.0	61.5	64.0	66.5	66.0	64.5	55.5

NOTE: Tested in accordance with AHRI Standard 270–08 (not listed in AHRI).

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE–VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
018–31	12 (6.7)
024–32	12 (6.7)
030–31	12 (6.7)
036–31	12 (6.7)
048–32	12 (6.7)
060–32	12 (6.7)

ATTACHMENT 3

SoundPLAN Data – Construction Noise

4135.1 California Terraces PA-61 Lot 1

SoundPLAN Data - Construction

		Level	Corrections		
Source name	Reference	Leq1	Cwall	CI	CT
		dB(A)	dB(A)	dB(A)	dB(A)
Construction	Lw/unit	117	-	-	-

4135.1 California Terraces PA-61 Lot 1

SoundPLAN Data - Construction

No.	Coordinates X (meters)	Y (meters)	Height (meters)	Noise Level dB(A)
1	498829.98	3603271.87	162.86	71.2
2	498829.65	3603294.91	163.50	72.0
3	498828.65	3603315.29	163.27	72.4
4	498830.65	3603339.34	162.43	71.6
5	498829.32	3603384.10	162.59	71.4
6	498903.27	3603454.64	162.32	59.5
7	498866.76	3603459.94	162.01	61.0
8	498829.19	3603463.11	161.56	62.7
9	498768.34	3603467.34	160.75	64.0
10	498723.36	3603468.40	160.61	63.7
11	498646.10	3603391.14	162.38	64.5
12	498644.51	3603331.88	164.42	64.8
13	498423.93	3603166.27	166.09	52.0
14	498512.57	3603028.68	166.09	51.5
15	498716.30	3603105.41	163.06	56.8
16	498802.29	3603104.09	160.01	56.8
17	499032.47	3603049.85	157.05	51.7
18	499155.50	3603116.00	157.67	50.3
19	499135.66	3603449.37	159.02	51.7
20	499133.02	3603532.72	157.18	51.0

ATTACHMENT 4

SoundPLAN Data – Traffic Noise

Station km	ADT Veh/24h	Traffic values Vehicles type	Vehicle nar day Veh/h		Speed km/h	Control device	Constr. Speed km/h	Affect. veh. %	Road surface	Gradient Min / Max %
SR-905 WB	Traffic direction:	In entry direction								
0+000	135336	Total	-	5639	-	none	-	-	Average (of DGAC and PCC)	-1.787878788
0+000	135336	Automobiles	-	4948	105	none	-	-	Average (of DGAC and PCC)	-1.787878788
0+000	135336	Medium trucks	-	229	89	none	-	-	Average (of DGAC and PCC)	-1.787878788
0+000	135336	Heavy trucks	-	350	89	none	-	-	Average (of DGAC and PCC)	-1.787878788
0+000	135336	Buses	-	56	105	none	-	-	Average (of DGAC and PCC)	-1.787878788
0+000	135336	Motorcycles	-	56	105	none	-	-	Average (of DGAC and PCC)	-1.787878788
0+000	135336	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-1.787878788
1+586	-	-	-	-	-	-				
SR-905 EB	Traffic direction:	In entry direction								
0+000	135336	Total	-	5639	-	none	-	-	Average (of DGAC and PCC)	-0.557377049
0+000	135336	Automobiles	-	4948	105	none	-	-	Average (of DGAC and PCC)	-0.557377049
0+000	135336	Medium trucks	-	229	89	none	-	-	Average (of DGAC and PCC)	-0.557377049
0+000	135336	Heavy trucks	-	350	89	none	-	-	Average (of DGAC and PCC)	-0.557377049
0+000	135336	Buses	-	56	105	none	-	-	Average (of DGAC and PCC)	-0.557377049
0+000	135336	Motorcycles	-	56	105	none	-	-	Average (of DGAC and PCC)	-0.557377049
0+000	135336	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.557377049
1+590	-	-	-	-	-	-				
Otay Mesa Road WB	Traffic direction:	In entry direction								
0+000	66048	Total	-	2752	-	none	-	-	Average (of DGAC and PCC)	-0.6
0+000	66048	Automobiles	-	2413	89	none	-	-	Average (of DGAC and PCC)	-0.6
0+000	66048	Medium trucks	-	112	89	none	-	-	Average (of DGAC and PCC)	-0.6
0+000	66048	Heavy trucks	-	171	89	none	-	-	Average (of DGAC and PCC)	-0.6
0+000	66048	Buses	-	28	89	none	-	-	Average (of DGAC and PCC)	-0.6
0+000	66048	Motorcycles	-	28	89	none	-	-	Average (of DGAC and PCC)	-0.6
0+000	66048	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.6
0+895	-	-	-	-	-	-				
Otay Mesa Road EB	Traffic direction:	In entry direction								
0+000	66048	Total	-	2752	-	none	-	-	Average (of DGAC and PCC)	-1.333333333
0+000	66048	Automobiles	-	2413	89	none	-	-	Average (of DGAC and PCC)	-1.333333333
0+000	66048	Medium trucks	-	112	89	none	-	-	Average (of DGAC and PCC)	-1.333333333
0+000	66048	Heavy trucks	-	171	89	none	-	-	Average (of DGAC and PCC)	-1.333333333
0+000	66048	Buses	-	28	89	none	-	-	Average (of DGAC and PCC)	-1.333333333
0+000	66048	Motorcycles	-	28	89	none	-	-	Average (of DGAC and PCC)	-1.333333333
0+000	66048	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-1.333333333
0+893	-	-	-	-	-	-				
Caliente Avenue NB	Traffic direction:	In entry direction								
0+000	42024	Total	-	1751	-	none	-	-	Average (of DGAC and PCC)	-2.111111111
0+000	42024	Automobiles	-	1535	48	none	-	-	Average (of DGAC and PCC)	-2.111111111
0+000	42024	Medium trucks	-	71	48	none	-	-	Average (of DGAC and PCC)	-2.111111111
0+000	42024	Heavy trucks	-	109	48	none	-	-	Average (of DGAC and PCC)	-2.111111111
0+000	42024	Buses	-	18	48	none	-	-	Average (of DGAC and PCC)	-2.111111111
0+000	42024	Motorcycles	-	18	48	none	-	-	Average (of DGAC and PCC)	-2.111111111
0+000	42024	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-2.111111111
0+783	-	-	-	-	-	-				
Caliente Avenue SB	Traffic direction:	In entry direction								
0+000	42024	Total	-	1751	-	none	-	-	Average (of DGAC and PCC)	-0.565217391
0+000	42024	Automobiles	-	1535	48	none	-	-	Average (of DGAC and PCC)	-0.565217391
0+000	42024	Medium trucks	-	71	48	none	-	-	Average (of DGAC and PCC)	-0.565217391
0+000	42024	Heavy trucks	-	109	48	none	-	-	Average (of DGAC and PCC)	-0.565217391
0+000	42024	Buses	-	18	48	none	-	-	Average (of DGAC and PCC)	-0.565217391
0+000	42024	Motorcycles	-	18	48	none	-	-	Average (of DGAC and PCC)	-0.565217391
0+000	42024	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.565217391
0+768	-	-	-	-	-	-				
SR-905 WB Off-Ramp	Traffic direction:	In entry direction								
0+000	34536	Total	-	1439	-	none	-	-	Average (of DGAC and PCC)	-0.047619048
0+000	34536	Automobiles	-	1263	48	none	-	-	Average (of DGAC and PCC)	-0.047619048
0+000	34536	Medium trucks	-	59	48	none	-	-	Average (of DGAC and PCC)	-0.047619048

0+000	34536	Heavy trucks	-	89	48	none	-	-	Average (of DGAC and PCC)	-0.047619048
0+000	34536	Buses	-	14	48	none	-	-	Average (of DGAC and PCC)	-0.047619048
0+000	34536	Motorcycles	-	14	48	none	-	-	Average (of DGAC and PCC)	-0.047619048
0+000	34536	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.047619048
0+638	-	-	-	-	-	-				
SR-905 WB On-Ramp	Traffic direction:	In entry direction								
0+000	34536	Total	-	1439	-	none	-	-	Average (of DGAC and PCC)	-1.035714286
0+000	34536	Automobiles	-	1263	48	none	-	-	Average (of DGAC and PCC)	-1.035714286
0+000	34536	Medium trucks	-	59	48	none	-	-	Average (of DGAC and PCC)	-1.035714286
0+000	34536	Heavy trucks	-	89	48	none	-	-	Average (of DGAC and PCC)	-1.035714286
0+000	34536	Buses	-	14	48	none	-	-	Average (of DGAC and PCC)	-1.035714286
0+000	34536	Motorcycles	-	14	48	none	-	-	Average (of DGAC and PCC)	-1.035714286
0+000	34536	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-1.035714286
0+464	-	-	-	-	-	-				
SR-905 EB Off-Ramp	Traffic direction:	In entry direction								
0+000	34536	Total	-	1439	-	none	-	-	Average (of DGAC and PCC)	-0.525
0+000	34536	Automobiles	-	1263	48	none	-	-	Average (of DGAC and PCC)	-0.525
0+000	34536	Medium trucks	-	59	48	none	-	-	Average (of DGAC and PCC)	-0.525
0+000	34536	Heavy trucks	-	89	48	none	-	-	Average (of DGAC and PCC)	-0.525
0+000	34536	Buses	-	14	48	none	-	-	Average (of DGAC and PCC)	-0.525
0+000	34536	Motorcycles	-	14	48	none	-	-	Average (of DGAC and PCC)	-0.525
0+000	34536	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.525
0+488	-	-	-	-	-	-				
SR-905 EB On-Ramp	Traffic direction:	In entry direction								
0+000	34536	Total	-	1439	-	none	-	-	Average (of DGAC and PCC)	-9
0+000	34536	Automobiles	-	1263	48	none	-	-	Average (of DGAC and PCC)	-9
0+000	34536	Medium trucks	-	59	48	none	-	-	Average (of DGAC and PCC)	-9
0+000	34536	Heavy trucks	-	89	48	none	-	-	Average (of DGAC and PCC)	-9
0+000	34536	Buses	-	14	48	none	-	-	Average (of DGAC and PCC)	-9
0+000	34536	Motorcycles	-	14	48	none	-	-	Average (of DGAC and PCC)	-9
0+000	34536	Auxiliary vehicle	-	-	-	none	-	-	Average (of DGAC and PCC)	-9
0+575	-	-	-	-	-	-				

	Coordinates				Noise Level
No.	X	Y	Floor	Height	w/o Barrier
1	498792.02	3603405.20	3.Fl	167.67	75.0
2	498799.96	3603383.50	3.Fl	167.82	69.1
3	498790.43	3603364.45	3.Fl	168.00	62.8
4	498781.97	3603383.77	3.Fl	167.70	66.1
5	498766.36	3603404.41	3.Fl	167.46	74.1
6	498772.71	3603385.09	3.Fl	167.63	64.3
7	498764.24	3603363.93	3.Fl	167.73	59.6
8	498756.04	3603383.50	3.Fl	167.53	65.5
9	498740.96	3603410.76	3.Fl	167.23	75.7
10	498751.27	3603386.94	3.Fl	167.48	67.0
11	498742.28	3603363.13	3.Fl	167.60	59.1
12	498734.87	3603384.56	3.Fl	167.39	61.6
13	498718.47	3603409.96	3.Fl	167.22	75.6
14	498725.87	3603386.15	3.Fl	167.32	62.2
15	498717.14	3603363.93	3.Fl	167.43	65.8
16	498707.88	3603385.36	3.Fl	167.22	71.2
17	498712.64	3603358.10	3.Fl	167.45	66.8
18	498703.65	3603333.50	3.Fl	167.61	70.9
19	498714.23	3603310.74	3.Fl	167.87	71.7
20	498720.32	3603334.82	3.Fl	167.67	61.2
21	498739.63	3603358.10	3.Fl	167.62	60.1
22	498731.17	3603335.09	3.Fl	167.74	61.3
23	498738.05	3603311.01	3.Fl	167.97	66.3
24	498749.69	3603334.29	3.Fl	167.87	57.5
25	498759.21	3603357.58	3.Fl	167.75	61.3
26	498767.15	3603333.23	3.Fl	167.99	58.5
27	498760.27	3603310.48	3.Fl	168.12	59.6
28	498786.99	3603358.63	3.Fl	168.00	63.7
29	498778.26	3603331.65	3.Fl	168.07	57.3
30	498784.08	3603309.69	3.Fl	168.28	65.7
31	498794.93	3603332.97	3.Fl	168.17	65.7
32	498813.19	3603341.44	3.Fl	168.29	66.7
33	498821.12	3603319.21	3.Fl	168.45	68.4
34	498813.19	3603298.84	3.Fl	168.57	66.3
35	498802.87	3603319.48	3.Fl	168.32	64.5
36	498821.12	3603277.41	3.Fl	168.76	69.4
37	498814.25	3603255.98	3.Fl	168.76	75.2
38	498803.66	3603275.03	3.Fl	168.67	70.9
39	498788.05	3603278.73	3.Fl	168.55	69.9

40	498770.59	3603271.59	3.Fl	168.49	73.2
41	498751.80	3603279.79	3.Fl	168.33	72.1
42	498771.12	3603286.67	3.Fl	168.37	64.2
43	498786.20	3603301.22	3.Fl	168.36	65.9
44	498748.63	3603291.96	3.Fl	168.19	71.1
45	498729.58	3603300.16	3.Fl	168.00	71.1

SoundPLAN Data - Traffic

Source name				Noise Level w/o Barrier dB(A)
1	1.Fl	73.0	0.0	
Caliente Avenue NB				51.9
Caliente Avenue SB				51.3
Otay Mesa Road EB				71.3
Otay Mesa Road WB				67.9
SR-905 EB				38.4
SR-905 EB Off-Ramp				24.0
SR-905 EB On-Ramp				21.3
SR-905 WB				41.0
SR-905 WB Off-Ramp				25.3
SR-905 WB On-Ramp				27.3
1	2.Fl	74.6	0.0	
Caliente Avenue NB				52.3
Caliente Avenue SB				51.5
Otay Mesa Road EB				73.0
Otay Mesa Road WB				69.3
SR-905 EB				42.0
SR-905 EB Off-Ramp				25.3
SR-905 EB On-Ramp				28.1
SR-905 WB				44.8
SR-905 WB Off-Ramp				30.7
SR-905 WB On-Ramp				27.0
1	3.Fl	75.0	0.0	
Caliente Avenue NB				52.9
Caliente Avenue SB				52.2
Otay Mesa Road EB				73.1
Otay Mesa Road WB				70.3
SR-905 EB				45.3
SR-905 EB Off-Ramp				29.1
SR-905 EB On-Ramp				31.4
SR-905 WB				48.0
SR-905 WB Off-Ramp				34.1
SR-905 WB On-Ramp				31.3
2	1.Fl	65.8	0.0	
Caliente Avenue NB				30.7
Caliente Avenue SB				30.2
Otay Mesa Road EB				63.0
Otay Mesa Road WB				61.4

SR-905 EB				51.8
SR-905 EB Off-Ramp				19.9
SR-905 EB On-Ramp				41.4
SR-905 WB				54.5
SR-905 WB Off-Ramp				45.8
SR-905 WB On-Ramp				21.6
2	2.Fl	67.9	0.0	
Caliente Avenue NB				36.1
Caliente Avenue SB				35.8
Otay Mesa Road EB				64.8
Otay Mesa Road WB				63.0
SR-905 EB				55.3
SR-905 EB Off-Ramp				26.4
SR-905 EB On-Ramp				43.4
SR-905 WB				58.3
SR-905 WB Off-Ramp				47.9
SR-905 WB On-Ramp				27.6
2	3.Fl	69.1	0.0	
Caliente Avenue NB				36.7
Caliente Avenue SB				36.5
Otay Mesa Road EB				65.8
Otay Mesa Road WB				63.9
SR-905 EB				58.1
SR-905 EB Off-Ramp				29.3
SR-905 EB On-Ramp				45.2
SR-905 WB				60.2
SR-905 WB Off-Ramp				49.5
SR-905 WB On-Ramp				30.8
3	1.Fl	59.5	0.0	
Caliente Avenue NB				44.0
Caliente Avenue SB				43.4
Otay Mesa Road EB				52.5
Otay Mesa Road WB				52.1
SR-905 EB				52.2
SR-905 EB Off-Ramp				33.7
SR-905 EB On-Ramp				40.2
SR-905 WB				54.5
SR-905 WB Off-Ramp				45.3
SR-905 WB On-Ramp				37.7
3	2.Fl	61.6	0.0	
Caliente Avenue NB				44.6

Caliente Avenue SB				44.1
Otay Mesa Road EB				55.0
Otay Mesa Road WB				54.3
SR-905 EB				54.7
SR-905 EB Off-Ramp				32.8
SR-905 EB On-Ramp				41.7
SR-905 WB				56.6
SR-905 WB Off-Ramp				45.9
SR-905 WB On-Ramp				38.0
3	3.Fl	62.8	0.0	
Caliente Avenue NB				45.6
Caliente Avenue SB				45.2
Otay Mesa Road EB				55.6
Otay Mesa Road WB				54.7
SR-905 EB				56.3
SR-905 EB Off-Ramp				35.5
SR-905 EB On-Ramp				42.6
SR-905 WB				58.3
SR-905 WB Off-Ramp				47.3
SR-905 WB On-Ramp				39.9
4	1.Fl	64.7	0.0	
Caliente Avenue NB				43.7
Caliente Avenue SB				43.6
Otay Mesa Road EB				62.5
Otay Mesa Road WB				60.2
SR-905 EB				44.8
SR-905 EB Off-Ramp				31.2
SR-905 EB On-Ramp				32.9
SR-905 WB				46.1
SR-905 WB Off-Ramp				35.1
SR-905 WB On-Ramp				32.2
4	2.Fl	65.2	0.0	
Caliente Avenue NB				42.4
Caliente Avenue SB				42.3
Otay Mesa Road EB				63.1
Otay Mesa Road WB				60.7
SR-905 EB				44.0
SR-905 EB Off-Ramp				28.9
SR-905 EB On-Ramp				32.0
SR-905 WB				45.6
SR-905 WB Off-Ramp				34.6

SR-905 WB On-Ramp				30.7
4	3.Fl	66.1	0.0	
Caliente Avenue NB				45.0
Caliente Avenue SB				45.1
Otay Mesa Road EB				63.7
Otay Mesa Road WB				61.6
SR-905 EB				48.3
SR-905 EB Off-Ramp				34.3
SR-905 EB On-Ramp				34.6
SR-905 WB				49.8
SR-905 WB Off-Ramp				37.8
SR-905 WB On-Ramp				36.0
5	1.Fl	73.2	0.0	
Caliente Avenue NB				53.1
Caliente Avenue SB				52.0
Otay Mesa Road EB				71.4
Otay Mesa Road WB				68.1
SR-905 EB				37.2
SR-905 EB Off-Ramp				25.2
SR-905 EB On-Ramp				20.4
SR-905 WB				39.1
SR-905 WB Off-Ramp				24.2
SR-905 WB On-Ramp				28.0
5	2.Fl	73.6	0.0	
Caliente Avenue NB				53.1
Caliente Avenue SB				52.0
Otay Mesa Road EB				72.0
Otay Mesa Road WB				68.4
SR-905 EB				40.3
SR-905 EB Off-Ramp				28.0
SR-905 EB On-Ramp				27.3
SR-905 WB				41.9
SR-905 WB Off-Ramp				30.0
SR-905 WB On-Ramp				29.9
5	3.Fl	74.1	0.0	
Caliente Avenue NB				53.8
Caliente Avenue SB				52.7
Otay Mesa Road EB				72.2
Otay Mesa Road WB				69.4
SR-905 EB				44.6
SR-905 EB Off-Ramp				31.8

SR-905 EB On-Ramp				31.3
SR-905 WB				46.2
SR-905 WB Off-Ramp				33.6
SR-905 WB On-Ramp				33.7
6	1.Fl	62.3	0.0	
Caliente Avenue NB				44.0
Caliente Avenue SB				43.1
Otay Mesa Road EB				60.1
Otay Mesa Road WB				57.6
SR-905 EB				44.1
SR-905 EB Off-Ramp				28.4
SR-905 EB On-Ramp				33.1
SR-905 WB				45.5
SR-905 WB Off-Ramp				35.2
SR-905 WB On-Ramp				29.8
6	2.Fl	63.5	0.0	
Caliente Avenue NB				43.6
Caliente Avenue SB				43.0
Otay Mesa Road EB				61.4
Otay Mesa Road WB				58.7
SR-905 EB				43.4
SR-905 EB Off-Ramp				29.7
SR-905 EB On-Ramp				31.3
SR-905 WB				44.9
SR-905 WB Off-Ramp				34.0
SR-905 WB On-Ramp				31.0
6	3.Fl	64.3	0.0	
Caliente Avenue NB				43.4
Caliente Avenue SB				43.1
Otay Mesa Road EB				62.1
Otay Mesa Road WB				59.6
SR-905 EB				47.3
SR-905 EB Off-Ramp				33.1
SR-905 EB On-Ramp				33.7
SR-905 WB				48.6
SR-905 WB Off-Ramp				36.7
SR-905 WB On-Ramp				34.8
7	1.Fl	55.8	0.0	
Caliente Avenue NB				46.8
Caliente Avenue SB				46.0
Otay Mesa Road EB				47.7

Otay Mesa Road WB				47.1
SR-905 EB				47.9
SR-905 EB Off-Ramp				34.2
SR-905 EB On-Ramp				34.6
SR-905 WB				50.0
SR-905 WB Off-Ramp				39.8
SR-905 WB On-Ramp				38.5
7	2.Fl	57.3	0.0	
Caliente Avenue NB				47.6
Caliente Avenue SB				46.9
Otay Mesa Road EB				49.8
Otay Mesa Road WB				49.3
SR-905 EB				49.4
SR-905 EB Off-Ramp				34.4
SR-905 EB On-Ramp				34.1
SR-905 WB				51.4
SR-905 WB Off-Ramp				39.5
SR-905 WB On-Ramp				39.6
7	3.Fl	59.6	0.0	
Caliente Avenue NB				48.7
Caliente Avenue SB				48.2
Otay Mesa Road EB				51.2
Otay Mesa Road WB				50.7
SR-905 EB				53.1
SR-905 EB Off-Ramp				37.4
SR-905 EB On-Ramp				37.0
SR-905 WB				54.5
SR-905 WB Off-Ramp				42.7
SR-905 WB On-Ramp				41.4
8	1.Fl	64.6	0.0	
Caliente Avenue NB				43.5
Caliente Avenue SB				42.4
Otay Mesa Road EB				62.4
Otay Mesa Road WB				60.2
SR-905 EB				43.0
SR-905 EB Off-Ramp				30.1
SR-905 EB On-Ramp				31.1
SR-905 WB				44.4
SR-905 WB Off-Ramp				33.8
SR-905 WB On-Ramp				31.6
8	2.Fl	64.9	0.0	

Caliente Avenue NB				43.1
Caliente Avenue SB				42.2
Otay Mesa Road EB				62.8
Otay Mesa Road WB				60.4
SR-905 EB				43.9
SR-905 EB Off-Ramp				31.9
SR-905 EB On-Ramp				30.1
SR-905 WB				45.4
SR-905 WB Off-Ramp				33.2
SR-905 WB On-Ramp				34.1
8	3.Fl	65.5	0.0	
Caliente Avenue NB				45.3
Caliente Avenue SB				44.8
Otay Mesa Road EB				63.2
Otay Mesa Road WB				61.0
SR-905 EB				47.5
SR-905 EB Off-Ramp				33.7
SR-905 EB On-Ramp				33.5
SR-905 WB				48.8
SR-905 WB Off-Ramp				36.8
SR-905 WB On-Ramp				36.2
9	1.Fl	74.7	0.0	
Caliente Avenue NB				57.1
Caliente Avenue SB				55.6
Otay Mesa Road EB				73.1
Otay Mesa Road WB				69.0
SR-905 EB				38.7
SR-905 EB Off-Ramp				25.4
SR-905 EB On-Ramp				20.7
SR-905 WB				42.4
SR-905 WB Off-Ramp				24.4
SR-905 WB On-Ramp				30.5
9	2.Fl	75.4	0.0	
Caliente Avenue NB				57.1
Caliente Avenue SB				55.6
Otay Mesa Road EB				73.9
Otay Mesa Road WB				69.7
SR-905 EB				43.1
SR-905 EB Off-Ramp				29.1
SR-905 EB On-Ramp				27.2
SR-905 WB				45.7

SR-905 WB Off-Ramp				29.7
SR-905 WB On-Ramp				33.8
9	3.Fl	75.7	0.0	
Caliente Avenue NB				57.7
Caliente Avenue SB				56.3
Otay Mesa Road EB				73.9
Otay Mesa Road WB				70.5
SR-905 EB				46.3
SR-905 EB Off-Ramp				32.2
SR-905 EB On-Ramp				30.2
SR-905 WB				49.0
SR-905 WB Off-Ramp				32.4
SR-905 WB On-Ramp				36.2
10	1.Fl	65.7	0.0	
Caliente Avenue NB				44.8
Caliente Avenue SB				43.8
Otay Mesa Road EB				63.6
Otay Mesa Road WB				61.2
SR-905 EB				42.6
SR-905 EB Off-Ramp				27.5
SR-905 EB On-Ramp				31.7
SR-905 WB				44.0
SR-905 WB Off-Ramp				33.3
SR-905 WB On-Ramp				30.0
10	2.Fl	66.1	0.0	
Caliente Avenue NB				44.7
Caliente Avenue SB				44.2
Otay Mesa Road EB				64.2
Otay Mesa Road WB				61.5
SR-905 EB				43.1
SR-905 EB Off-Ramp				29.8
SR-905 EB On-Ramp				30.4
SR-905 WB				44.7
SR-905 WB Off-Ramp				33.1
SR-905 WB On-Ramp				32.2
10	3.Fl	67.0	0.0	
Caliente Avenue NB				45.7
Caliente Avenue SB				45.6
Otay Mesa Road EB				64.8
Otay Mesa Road WB				62.4
SR-905 EB				47.7

SR-905 EB Off-Ramp				34.8
SR-905 EB On-Ramp				33.8
SR-905 WB				49.0
SR-905 WB Off-Ramp				36.3
SR-905 WB On-Ramp				37.2
11	1.Fl	55.6	0.0	
Caliente Avenue NB				49.7
Caliente Avenue SB				48.6
Otay Mesa Road EB				43.5
Otay Mesa Road WB				42.9
SR-905 EB				46.9
SR-905 EB Off-Ramp				35.5
SR-905 EB On-Ramp				32.5
SR-905 WB				49.4
SR-905 WB Off-Ramp				35.9
SR-905 WB On-Ramp				40.5
11	2.Fl	56.8	0.0	
Caliente Avenue NB				50.5
Caliente Avenue SB				49.3
Otay Mesa Road EB				45.2
Otay Mesa Road WB				44.2
SR-905 EB				48.2
SR-905 EB Off-Ramp				36.2
SR-905 EB On-Ramp				31.2
SR-905 WB				51.4
SR-905 WB Off-Ramp				35.0
SR-905 WB On-Ramp				42.1
11	3.Fl	59.1	0.0	
Caliente Avenue NB				51.7
Caliente Avenue SB				50.7
Otay Mesa Road EB				47.5
Otay Mesa Road WB				47.1
SR-905 EB				51.7
SR-905 EB Off-Ramp				39.0
SR-905 EB On-Ramp				35.0
SR-905 WB				54.2
SR-905 WB Off-Ramp				38.9
SR-905 WB On-Ramp				43.5
12	1.Fl	59.5	0.0	
Caliente Avenue NB				45.0
Caliente Avenue SB				42.9

Otay Mesa Road EB				56.6
Otay Mesa Road WB				54.5
SR-905 EB				45.4
SR-905 EB Off-Ramp				31.8
SR-905 EB On-Ramp				34.4
SR-905 WB				47.2
SR-905 WB Off-Ramp				40.3
SR-905 WB On-Ramp				33.7
12	2.Fl	60.5	0.0	
Caliente Avenue NB				43.9
Caliente Avenue SB				39.8
Otay Mesa Road EB				57.8
Otay Mesa Road WB				55.3
SR-905 EB				47.0
SR-905 EB Off-Ramp				30.8
SR-905 EB On-Ramp				36.1
SR-905 WB				48.4
SR-905 WB Off-Ramp				41.1
SR-905 WB On-Ramp				32.9
12	3.Fl	61.6	0.0	
Caliente Avenue NB				46.6
Caliente Avenue SB				44.7
Otay Mesa Road EB				58.0
Otay Mesa Road WB				56.1
SR-905 EB				51.7
SR-905 EB Off-Ramp				35.8
SR-905 EB On-Ramp				37.7
SR-905 WB				51.7
SR-905 WB Off-Ramp				42.2
SR-905 WB On-Ramp				38.5
13	1.Fl	74.9	0.0	
Caliente Avenue NB				60.1
Caliente Avenue SB				58.0
Otay Mesa Road EB				73.2
Otay Mesa Road WB				68.9
SR-905 EB				47.0
SR-905 EB Off-Ramp				32.1
SR-905 EB On-Ramp				20.1
SR-905 WB				45.4
SR-905 WB Off-Ramp				23.8
SR-905 WB On-Ramp				36.4

13	2.Fl	75.3	0.0	
Caliente Avenue NB				60.2
Caliente Avenue SB				58.0
Otay Mesa Road EB				73.7
Otay Mesa Road WB				69.5
SR-905 EB				49.4
SR-905 EB Off-Ramp				34.4
SR-905 EB On-Ramp				26.8
SR-905 WB				49.0
SR-905 WB Off-Ramp				29.6
SR-905 WB On-Ramp				39.1
13	3.Fl	75.6	0.0	
Caliente Avenue NB				60.8
Caliente Avenue SB				58.9
Otay Mesa Road EB				73.8
Otay Mesa Road WB				70.3
SR-905 EB				49.4
SR-905 EB Off-Ramp				37.1
SR-905 EB On-Ramp				31.0
SR-905 WB				52.0
SR-905 WB Off-Ramp				33.6
SR-905 WB On-Ramp				41.2
14	1.Fl	59.9	0.0	
Caliente Avenue NB				45.1
Caliente Avenue SB				43.6
Otay Mesa Road EB				56.9
Otay Mesa Road WB				54.8
SR-905 EB				46.3
SR-905 EB Off-Ramp				30.5
SR-905 EB On-Ramp				35.8
SR-905 WB				48.0
SR-905 WB Off-Ramp				41.5
SR-905 WB On-Ramp				32.6
14	2.Fl	61.3	0.0	
Caliente Avenue NB				45.7
Caliente Avenue SB				45.4
Otay Mesa Road EB				58.4
Otay Mesa Road WB				55.8
SR-905 EB				48.5
SR-905 EB Off-Ramp				32.1
SR-905 EB On-Ramp				37.0

SR-905 WB				50.0
SR-905 WB Off-Ramp				42.2
SR-905 WB On-Ramp				34.5
14	3.Fl	62.2	0.0	
Caliente Avenue NB				46.1
Caliente Avenue SB				46.0
Otay Mesa Road EB				58.8
Otay Mesa Road WB				56.7
SR-905 EB				51.7
SR-905 EB Off-Ramp				35.5
SR-905 EB On-Ramp				39.3
SR-905 WB				52.3
SR-905 WB Off-Ramp				43.2
SR-905 WB On-Ramp				37.8
15	1.Fl	61.9	0.0	
Caliente Avenue NB				57.1
Caliente Avenue SB				55.6
Otay Mesa Road EB				50.9
Otay Mesa Road WB				48.0
SR-905 EB				51.7
SR-905 EB Off-Ramp				40.3
SR-905 EB On-Ramp				34.6
SR-905 WB				54.3
SR-905 WB Off-Ramp				40.5
SR-905 WB On-Ramp				47.0
15	2.Fl	64.3	0.0	
Caliente Avenue NB				58.9
Caliente Avenue SB				57.1
Otay Mesa Road EB				51.6
Otay Mesa Road WB				48.9
SR-905 EB				55.9
SR-905 EB Off-Ramp				42.6
SR-905 EB On-Ramp				34.8
SR-905 WB				58.1
SR-905 WB Off-Ramp				40.2
SR-905 WB On-Ramp				48.9
15	3.Fl	65.8	0.0	
Caliente Avenue NB				60.1
Caliente Avenue SB				58.4
Otay Mesa Road EB				52.4
Otay Mesa Road WB				49.7

SR-905 EB				58.0
SR-905 EB Off-Ramp				44.5
SR-905 EB On-Ramp				36.2
SR-905 WB				60.1
SR-905 WB Off-Ramp				41.7
SR-905 WB On-Ramp				49.9
16	1.Fl	69.6	0.0	
Caliente Avenue NB				64.0
Caliente Avenue SB				62.0
Otay Mesa Road EB				64.2
Otay Mesa Road WB				60.8
SR-905 EB				55.8
SR-905 EB Off-Ramp				44.6
SR-905 EB On-Ramp				36.3
SR-905 WB				58.2
SR-905 WB Off-Ramp				45.6
SR-905 WB On-Ramp				51.0
16	2.Fl	70.3	0.0	
Caliente Avenue NB				63.9
Caliente Avenue SB				61.7
Otay Mesa Road EB				65.0
Otay Mesa Road WB				61.5
SR-905 EB				59.0
SR-905 EB Off-Ramp				45.5
SR-905 EB On-Ramp				38.2
SR-905 WB				60.8
SR-905 WB Off-Ramp				45.4
SR-905 WB On-Ramp				50.8
16	3.Fl	71.2	0.0	
Caliente Avenue NB				64.4
Caliente Avenue SB				62.6
Otay Mesa Road EB				65.6
Otay Mesa Road WB				62.4
SR-905 EB				60.9
SR-905 EB Off-Ramp				46.6
SR-905 EB On-Ramp				39.0
SR-905 WB				62.5
SR-905 WB Off-Ramp				45.9
SR-905 WB On-Ramp				51.7
17	1.Fl	63.8	0.0	
Caliente Avenue NB				59.1

Caliente Avenue SB				57.4
Otay Mesa Road EB				56.9
Otay Mesa Road WB				54.3
SR-905 EB				49.7
SR-905 EB Off-Ramp				37.4
SR-905 EB On-Ramp				29.6
SR-905 WB				52.1
SR-905 WB Off-Ramp				33.4
SR-905 WB On-Ramp				43.8
17	2.Fl	65.7	0.0	
Caliente Avenue NB				60.8
Caliente Avenue SB				58.8
Otay Mesa Road EB				58.8
Otay Mesa Road WB				56.3
SR-905 EB				52.3
SR-905 EB Off-Ramp				40.1
SR-905 EB On-Ramp				31.3
SR-905 WB				55.1
SR-905 WB Off-Ramp				35.8
SR-905 WB On-Ramp				46.8
17	3.Fl	66.8	0.0	
Caliente Avenue NB				61.5
Caliente Avenue SB				59.8
Otay Mesa Road EB				59.9
Otay Mesa Road WB				57.2
SR-905 EB				55.0
SR-905 EB Off-Ramp				42.5
SR-905 EB On-Ramp				33.6
SR-905 WB				57.3
SR-905 WB Off-Ramp				38.1
SR-905 WB On-Ramp				48.1
18	1.Fl	67.4	0.0	
Caliente Avenue NB				62.9
Caliente Avenue SB				60.5
Otay Mesa Road EB				54.9
Otay Mesa Road WB				53.0
SR-905 EB				57.5
SR-905 EB Off-Ramp				44.4
SR-905 EB On-Ramp				39.5
SR-905 WB				60.1
SR-905 WB Off-Ramp				52.6

SR-905 WB On-Ramp				51.7
18	2.Fl	69.7	0.0	
Caliente Avenue NB				64.5
Caliente Avenue SB				61.7
Otay Mesa Road EB				56.7
Otay Mesa Road WB				54.7
SR-905 EB				61.7
SR-905 EB Off-Ramp				47.2
SR-905 EB On-Ramp				44.0
SR-905 WB				63.7
SR-905 WB Off-Ramp				53.4
SR-905 WB On-Ramp				53.3
18	3.Fl	70.9	0.0	
Caliente Avenue NB				65.0
Caliente Avenue SB				62.8
Otay Mesa Road EB				57.6
Otay Mesa Road WB				55.6
SR-905 EB				63.7
SR-905 EB Off-Ramp				48.5
SR-905 EB On-Ramp				44.7
SR-905 WB				65.2
SR-905 WB Off-Ramp				54.4
SR-905 WB On-Ramp				54.1
19	1.Fl	67.1	0.0	
Caliente Avenue NB				58.5
Caliente Avenue SB				56.2
Otay Mesa Road EB				33.7
Otay Mesa Road WB				33.4
SR-905 EB				59.9
SR-905 EB Off-Ramp				46.0
SR-905 EB On-Ramp				44.7
SR-905 WB				63.2
SR-905 WB Off-Ramp				58.5
SR-905 WB On-Ramp				52.1
19	2.Fl	70.4	0.0	
Caliente Avenue NB				59.8
Caliente Avenue SB				57.3
Otay Mesa Road EB				36.4
Otay Mesa Road WB				36.4
SR-905 EB				65.3
SR-905 EB Off-Ramp				48.4

SR-905 EB On-Ramp				49.2
SR-905 WB				66.7
SR-905 WB Off-Ramp				59.7
SR-905 WB On-Ramp				53.0
19	3.Fl	71.7	0.0	
Caliente Avenue NB				60.8
Caliente Avenue SB				58.3
Otay Mesa Road EB				40.6
Otay Mesa Road WB				40.4
SR-905 EB				66.5
SR-905 EB Off-Ramp				49.2
SR-905 EB On-Ramp				50.1
SR-905 WB				68.4
SR-905 WB Off-Ramp				60.7
SR-905 WB On-Ramp				53.9
20	1.Fl	57.1	0.0	
Caliente Avenue NB				44.6
Caliente Avenue SB				42.5
Otay Mesa Road EB				46.5
Otay Mesa Road WB				45.8
SR-905 EB				50.7
SR-905 EB Off-Ramp				32.8
SR-905 EB On-Ramp				39.7
SR-905 WB				52.8
SR-905 WB Off-Ramp				47.6
SR-905 WB On-Ramp				34.9
20	2.Fl	58.9	0.0	
Caliente Avenue NB				46.5
Caliente Avenue SB				44.4
Otay Mesa Road EB				47.6
Otay Mesa Road WB				46.7
SR-905 EB				53.1
SR-905 EB Off-Ramp				34.4
SR-905 EB On-Ramp				41.6
SR-905 WB				54.9
SR-905 WB Off-Ramp				48.1
SR-905 WB On-Ramp				36.2
20	3.Fl	61.2	0.0	
Caliente Avenue NB				47.4
Caliente Avenue SB				45.7
Otay Mesa Road EB				49.1

Otay Mesa Road WB				48.4
SR-905 EB				55.8
SR-905 EB Off-Ramp				37.5
SR-905 EB On-Ramp				42.2
SR-905 WB				57.6
SR-905 WB Off-Ramp				48.9
SR-905 WB On-Ramp				39.5
21	1.Fl	57.1	0.0	
Caliente Avenue NB				51.4
Caliente Avenue SB				50.3
Otay Mesa Road EB				46.5
Otay Mesa Road WB				45.5
SR-905 EB				47.6
SR-905 EB Off-Ramp				35.8
SR-905 EB On-Ramp				30.5
SR-905 WB				50.5
SR-905 WB Off-Ramp				34.9
SR-905 WB On-Ramp				41.9
21	2.Fl	58.4	0.0	
Caliente Avenue NB				52.1
Caliente Avenue SB				51.1
Otay Mesa Road EB				47.6
Otay Mesa Road WB				46.2
SR-905 EB				49.8
SR-905 EB Off-Ramp				37.2
SR-905 EB On-Ramp				31.3
SR-905 WB				52.4
SR-905 WB Off-Ramp				36.9
SR-905 WB On-Ramp				42.6
21	3.Fl	60.1	0.0	
Caliente Avenue NB				53.2
Caliente Avenue SB				52.2
Otay Mesa Road EB				49.8
Otay Mesa Road WB				48.6
SR-905 EB				52.1
SR-905 EB Off-Ramp				39.0
SR-905 EB On-Ramp				34.2
SR-905 WB				54.3
SR-905 WB Off-Ramp				39.0
SR-905 WB On-Ramp				43.7
22	1.Fl	57.0	0.0	

Caliente Avenue NB				44.8
Caliente Avenue SB				43.6
Otay Mesa Road EB				49.1
Otay Mesa Road WB				48.1
SR-905 EB				50.5
SR-905 EB Off-Ramp				35.1
SR-905 EB On-Ramp				37.8
SR-905 WB				51.3
SR-905 WB Off-Ramp				46.5
SR-905 WB On-Ramp				36.5
22	2.Fl	58.6	0.0	
Caliente Avenue NB				43.6
Caliente Avenue SB				42.2
Otay Mesa Road EB				50.4
Otay Mesa Road WB				49.6
SR-905 EB				52.9
SR-905 EB Off-Ramp				34.0
SR-905 EB On-Ramp				40.3
SR-905 WB				53.4
SR-905 WB Off-Ramp				46.9
SR-905 WB On-Ramp				36.5
22	3.Fl	61.3	0.0	
Caliente Avenue NB				46.3
Caliente Avenue SB				45.6
Otay Mesa Road EB				51.4
Otay Mesa Road WB				50.6
SR-905 EB				56.6
SR-905 EB Off-Ramp				38.1
SR-905 EB On-Ramp				41.7
SR-905 WB				56.7
SR-905 WB Off-Ramp				48.4
SR-905 WB On-Ramp				40.8
23	1.Fl	62.2	0.0	
Caliente Avenue NB				53.9
Caliente Avenue SB				52.2
Otay Mesa Road EB				37.3
Otay Mesa Road WB				37.5
SR-905 EB				55.1
SR-905 EB Off-Ramp				43.6
SR-905 EB On-Ramp				31.1
SR-905 WB				58.3

SR-905 WB Off-Ramp				50.9
SR-905 WB On-Ramp				49.4
23	2.Fl	64.9	0.0	
Caliente Avenue NB				54.9
Caliente Avenue SB				53.2
Otay Mesa Road EB				38.9
Otay Mesa Road WB				39.1
SR-905 EB				59.6
SR-905 EB Off-Ramp				45.4
SR-905 EB On-Ramp				34.4
SR-905 WB				61.3
SR-905 WB Off-Ramp				52.0
SR-905 WB On-Ramp				50.6
23	3.Fl	66.3	0.0	
Caliente Avenue NB				55.9
Caliente Avenue SB				54.1
Otay Mesa Road EB				43.1
Otay Mesa Road WB				43.3
SR-905 EB				60.9
SR-905 EB Off-Ramp				46.4
SR-905 EB On-Ramp				36.1
SR-905 WB				62.9
SR-905 WB Off-Ramp				53.1
SR-905 WB On-Ramp				51.3
24	1.Fl	53.0	0.0	
Caliente Avenue NB				37.3
Caliente Avenue SB				36.7
Otay Mesa Road EB				48.9
Otay Mesa Road WB				47.8
SR-905 EB				42.6
SR-905 EB Off-Ramp				27.2
SR-905 EB On-Ramp				31.9
SR-905 WB				44.2
SR-905 WB Off-Ramp				35.7
SR-905 WB On-Ramp				29.0
24	2.Fl	55.3	0.0	
Caliente Avenue NB				40.1
Caliente Avenue SB				39.9
Otay Mesa Road EB				50.9
Otay Mesa Road WB				50.0
SR-905 EB				45.4

SR-905 EB Off-Ramp				32.6
SR-905 EB On-Ramp				32.6
SR-905 WB				47.0
SR-905 WB Off-Ramp				36.9
SR-905 WB On-Ramp				34.9
24	3.Fl	57.5	0.0	
Caliente Avenue NB				43.0
Caliente Avenue SB				42.8
Otay Mesa Road EB				52.1
Otay Mesa Road WB				51.2
SR-905 EB				49.2
SR-905 EB Off-Ramp				35.7
SR-905 EB On-Ramp				36.3
SR-905 WB				50.6
SR-905 WB Off-Ramp				40.2
SR-905 WB On-Ramp				37.9
25	1.Fl	58.8	0.0	
Caliente Avenue NB				47.3
Caliente Avenue SB				46.6
Otay Mesa Road EB				55.1
Otay Mesa Road WB				53.6
SR-905 EB				45.5
SR-905 EB Off-Ramp				32.5
SR-905 EB On-Ramp				30.0
SR-905 WB				48.0
SR-905 WB Off-Ramp				33.7
SR-905 WB On-Ramp				38.1
25	2.Fl	60.2	0.0	
Caliente Avenue NB				47.8
Caliente Avenue SB				47.1
Otay Mesa Road EB				56.5
Otay Mesa Road WB				54.9
SR-905 EB				47.4
SR-905 EB Off-Ramp				34.2
SR-905 EB On-Ramp				31.2
SR-905 WB				50.2
SR-905 WB Off-Ramp				35.6
SR-905 WB On-Ramp				39.0
25	3.Fl	61.3	0.0	
Caliente Avenue NB				49.2
Caliente Avenue SB				48.6

Otay Mesa Road EB				57.3
Otay Mesa Road WB				55.5
SR-905 EB				50.4
SR-905 EB Off-Ramp				36.7
SR-905 EB On-Ramp				34.1
SR-905 WB				52.5
SR-905 WB Off-Ramp				38.0
SR-905 WB On-Ramp				40.9
26	1.Fl	55.4	0.0	
Caliente Avenue NB				36.8
Caliente Avenue SB				36.7
Otay Mesa Road EB				51.6
Otay Mesa Road WB				50.5
SR-905 EB				44.9
SR-905 EB Off-Ramp				30.2
SR-905 EB On-Ramp				33.4
SR-905 WB				46.5
SR-905 WB Off-Ramp				36.9
SR-905 WB On-Ramp				31.8
26	2.Fl	56.6	0.0	
Caliente Avenue NB				39.0
Caliente Avenue SB				38.9
Otay Mesa Road EB				53.1
Otay Mesa Road WB				52.0
SR-905 EB				44.7
SR-905 EB Off-Ramp				31.6
SR-905 EB On-Ramp				32.1
SR-905 WB				46.3
SR-905 WB Off-Ramp				36.4
SR-905 WB On-Ramp				32.8
26	3.Fl	58.5	0.0	
Caliente Avenue NB				40.8
Caliente Avenue SB				40.9
Otay Mesa Road EB				53.9
Otay Mesa Road WB				52.8
SR-905 EB				49.7
SR-905 EB Off-Ramp				35.1
SR-905 EB On-Ramp				36.9
SR-905 WB				51.0
SR-905 WB Off-Ramp				40.1
SR-905 WB On-Ramp				36.2

27	1.Fl	55.4	0.0	
Caliente Avenue NB				47.4
Caliente Avenue SB				46.4
Otay Mesa Road EB				38.3
Otay Mesa Road WB				38.5
SR-905 EB				48.0
SR-905 EB Off-Ramp				35.8
SR-905 EB On-Ramp				33.3
SR-905 WB				51.1
SR-905 WB Off-Ramp				38.3
SR-905 WB On-Ramp				44.5
27	2.Fl	57.3	0.0	
Caliente Avenue NB				48.0
Caliente Avenue SB				47.1
Otay Mesa Road EB				39.8
Otay Mesa Road WB				40.2
SR-905 EB				50.5
SR-905 EB Off-Ramp				37.2
SR-905 EB On-Ramp				35.6
SR-905 WB				53.7
SR-905 WB Off-Ramp				40.0
SR-905 WB On-Ramp				45.7
27	3.Fl	59.6	0.0	
Caliente Avenue NB				49.0
Caliente Avenue SB				48.0
Otay Mesa Road EB				44.0
Otay Mesa Road WB				44.3
SR-905 EB				53.7
SR-905 EB Off-Ramp				39.7
SR-905 EB On-Ramp				38.1
SR-905 WB				56.1
SR-905 WB Off-Ramp				43.8
SR-905 WB On-Ramp				46.5
28	1.Fl	60.5	0.0	
Caliente Avenue NB				44.2
Caliente Avenue SB				43.6
Otay Mesa Road EB				56.5
Otay Mesa Road WB				55.5
SR-905 EB				49.4
SR-905 EB Off-Ramp				32.8
SR-905 EB On-Ramp				37.2

SR-905 WB				52.0
SR-905 WB Off-Ramp				40.4
SR-905 WB On-Ramp				38.0
28	2.Fl	62.7	0.0	
Caliente Avenue NB				44.8
Caliente Avenue SB				44.3
Otay Mesa Road EB				58.9
Otay Mesa Road WB				57.9
SR-905 EB				51.3
SR-905 EB Off-Ramp				32.1
SR-905 EB On-Ramp				38.1
SR-905 WB				53.9
SR-905 WB Off-Ramp				42.5
SR-905 WB On-Ramp				37.5
28	3.Fl	63.7	0.0	
Caliente Avenue NB				45.5
Caliente Avenue SB				45.2
Otay Mesa Road EB				59.6
Otay Mesa Road WB				58.6
SR-905 EB				53.8
SR-905 EB Off-Ramp				34.0
SR-905 EB On-Ramp				39.1
SR-905 WB				55.9
SR-905 WB Off-Ramp				44.3
SR-905 WB On-Ramp				39.0
29	1.Fl	53.5	0.0	
Caliente Avenue NB				39.8
Caliente Avenue SB				39.6
Otay Mesa Road EB				48.3
Otay Mesa Road WB				47.4
SR-905 EB				44.8
SR-905 EB Off-Ramp				31.6
SR-905 EB On-Ramp				32.7
SR-905 WB				46.5
SR-905 WB Off-Ramp				36.6
SR-905 WB On-Ramp				33.9
29	2.Fl	54.3	0.0	
Caliente Avenue NB				36.8
Caliente Avenue SB				36.7
Otay Mesa Road EB				49.8
Otay Mesa Road WB				49.0

SR-905 EB				44.9
SR-905 EB Off-Ramp				29.9
SR-905 EB On-Ramp				33.2
SR-905 WB				46.4
SR-905 WB Off-Ramp				36.5
SR-905 WB On-Ramp				32.2
29	3.Fl	57.3	0.0	
Caliente Avenue NB				42.3
Caliente Avenue SB				42.5
Otay Mesa Road EB				50.9
Otay Mesa Road WB				50.4
SR-905 EB				50.1
SR-905 EB Off-Ramp				36.4
SR-905 EB On-Ramp				36.5
SR-905 WB				51.5
SR-905 WB Off-Ramp				40.3
SR-905 WB On-Ramp				38.7
30	1.Fl	62.4	0.0	
Caliente Avenue NB				46.3
Caliente Avenue SB				45.3
Otay Mesa Road EB				41.3
Otay Mesa Road WB				40.8
SR-905 EB				57.0
SR-905 EB Off-Ramp				37.0
SR-905 EB On-Ramp				45.5
SR-905 WB				59.6
SR-905 WB Off-Ramp				52.0
SR-905 WB On-Ramp				43.8
30	2.Fl	64.9	0.0	
Caliente Avenue NB				47.1
Caliente Avenue SB				45.9
Otay Mesa Road EB				45.0
Otay Mesa Road WB				44.7
SR-905 EB				59.7
SR-905 EB Off-Ramp				36.7
SR-905 EB On-Ramp				47.2
SR-905 WB				62.4
SR-905 WB Off-Ramp				52.8
SR-905 WB On-Ramp				44.5
30	3.Fl	65.7	0.0	
Caliente Avenue NB				47.4

Caliente Avenue SB				46.4
Otay Mesa Road EB				46.7
Otay Mesa Road WB				46.9
SR-905 EB				60.8
SR-905 EB Off-Ramp				38.6
SR-905 EB On-Ramp				47.5
SR-905 WB				63.1
SR-905 WB Off-Ramp				53.6
SR-905 WB On-Ramp				44.9
31	1.Fl	62.5	0.0	
Caliente Avenue NB				33.5
Caliente Avenue SB				33.2
Otay Mesa Road EB				57.8
Otay Mesa Road WB				57.4
SR-905 EB				52.3
SR-905 EB Off-Ramp				27.9
SR-905 EB On-Ramp				42.2
SR-905 WB				55.7
SR-905 WB Off-Ramp				48.2
SR-905 WB On-Ramp				29.2
31	2.Fl	64.9	0.0	
Caliente Avenue NB				35.8
Caliente Avenue SB				35.7
Otay Mesa Road EB				60.1
Otay Mesa Road WB				59.5
SR-905 EB				55.4
SR-905 EB Off-Ramp				27.9
SR-905 EB On-Ramp				43.9
SR-905 WB				58.5
SR-905 WB Off-Ramp				48.4
SR-905 WB On-Ramp				29.2
31	3.Fl	65.7	0.0	
Caliente Avenue NB				38.7
Caliente Avenue SB				38.9
Otay Mesa Road EB				60.9
Otay Mesa Road WB				60.3
SR-905 EB				56.6
SR-905 EB Off-Ramp				33.2
SR-905 EB On-Ramp				44.0
SR-905 WB				59.1
SR-905 WB Off-Ramp				48.9

SR-905 WB On-Ramp				34.9
32	1.Fl	64.8	0.0	
Caliente Avenue NB				37.1
Caliente Avenue SB				37.2
Otay Mesa Road EB				62.0
Otay Mesa Road WB				61.3
SR-905 EB				43.1
SR-905 EB Off-Ramp				27.8
SR-905 EB On-Ramp				26.9
SR-905 WB				45.6
SR-905 WB Off-Ramp				34.9
SR-905 WB On-Ramp				29.6
32	2.Fl	65.8	0.0	
Caliente Avenue NB				35.7
Caliente Avenue SB				35.8
Otay Mesa Road EB				63.0
Otay Mesa Road WB				62.3
SR-905 EB				47.0
SR-905 EB Off-Ramp				27.8
SR-905 EB On-Ramp				31.4
SR-905 WB				48.7
SR-905 WB Off-Ramp				38.1
SR-905 WB On-Ramp				26.6
32	3.Fl	66.7	0.0	
Caliente Avenue NB				38.5
Caliente Avenue SB				38.9
Otay Mesa Road EB				63.8
Otay Mesa Road WB				63.0
SR-905 EB				50.5
SR-905 EB Off-Ramp				32.2
SR-905 EB On-Ramp				34.2
SR-905 WB				52.1
SR-905 WB Off-Ramp				41.1
SR-905 WB On-Ramp				34.4
33	1.Fl	65.0	0.0	
Caliente Avenue NB				28.2
Caliente Avenue SB				27.8
Otay Mesa Road EB				55.6
Otay Mesa Road WB				55.3
SR-905 EB				59.9
SR-905 EB Off-Ramp				20.6

SR-905 EB On-Ramp				47.9
SR-905 WB				61.1
SR-905 WB Off-Ramp				50.9
SR-905 WB On-Ramp				21.8
33	2.Fl	67.2	0.0	
Caliente Avenue NB				33.9
Caliente Avenue SB				33.4
Otay Mesa Road EB				58.3
Otay Mesa Road WB				57.9
SR-905 EB				61.2
SR-905 EB Off-Ramp				27.4
SR-905 EB On-Ramp				48.2
SR-905 WB				63.7
SR-905 WB Off-Ramp				53.3
SR-905 WB On-Ramp				28.2
33	3.Fl	68.4	0.0	
Caliente Avenue NB				35.9
Caliente Avenue SB				35.6
Otay Mesa Road EB				59.6
Otay Mesa Road WB				59.0
SR-905 EB				62.8
SR-905 EB Off-Ramp				31.7
SR-905 EB On-Ramp				49.2
SR-905 WB				64.6
SR-905 WB Off-Ramp				54.1
SR-905 WB On-Ramp				30.9
34	1.Fl	62.7	0.0	
Caliente Avenue NB				42.5
Caliente Avenue SB				41.8
Otay Mesa Road EB				51.2
Otay Mesa Road WB				50.4
SR-905 EB				56.3
SR-905 EB Off-Ramp				34.0
SR-905 EB On-Ramp				45.2
SR-905 WB				59.9
SR-905 WB Off-Ramp				51.8
SR-905 WB On-Ramp				34.3
34	2.Fl	65.0	0.0	
Caliente Avenue NB				43.8
Caliente Avenue SB				42.7
Otay Mesa Road EB				52.9

Otay Mesa Road WB				52.5
SR-905 EB				59.5
SR-905 EB Off-Ramp				34.9
SR-905 EB On-Ramp				46.3
SR-905 WB				62.0
SR-905 WB Off-Ramp				52.7
SR-905 WB On-Ramp				37.0
34	3.Fl	66.3	0.0	
Caliente Avenue NB				44.9
Caliente Avenue SB				43.8
Otay Mesa Road EB				54.4
Otay Mesa Road WB				53.8
SR-905 EB				61.1
SR-905 EB Off-Ramp				37.0
SR-905 EB On-Ramp				47.2
SR-905 WB				63.2
SR-905 WB Off-Ramp				53.5
SR-905 WB On-Ramp				39.1
35	1.Fl	61.4	0.0	
Caliente Avenue NB				38.7
Caliente Avenue SB				38.4
Otay Mesa Road EB				53.0
Otay Mesa Road WB				52.8
SR-905 EB				54.1
SR-905 EB Off-Ramp				32.1
SR-905 EB On-Ramp				44.2
SR-905 WB				57.6
SR-905 WB Off-Ramp				50.4
SR-905 WB On-Ramp				31.7
35	2.Fl	63.7	0.0	
Caliente Avenue NB				35.8
Caliente Avenue SB				35.4
Otay Mesa Road EB				55.0
Otay Mesa Road WB				54.7
SR-905 EB				57.2
SR-905 EB Off-Ramp				29.9
SR-905 EB On-Ramp				45.2
SR-905 WB				60.2
SR-905 WB Off-Ramp				50.2
SR-905 WB On-Ramp				31.2
35	3.Fl	64.5	0.0	

Caliente Avenue NB				40.8
Caliente Avenue SB				40.9
Otay Mesa Road EB				55.8
Otay Mesa Road WB				55.3
SR-905 EB				58.3
SR-905 EB Off-Ramp				35.1
SR-905 EB On-Ramp				45.4
SR-905 WB				60.8
SR-905 WB Off-Ramp				50.9
SR-905 WB On-Ramp				36.0
36	1.Fl	66.5	0.0	
Caliente Avenue NB				28.6
Caliente Avenue SB				28.0
Otay Mesa Road EB				54.7
Otay Mesa Road WB				54.7
SR-905 EB				59.7
SR-905 EB Off-Ramp				22.5
SR-905 EB On-Ramp				47.6
SR-905 WB				64.1
SR-905 WB Off-Ramp				55.3
SR-905 WB On-Ramp				22.9
36	2.Fl	68.4	0.0	
Caliente Avenue NB				34.7
Caliente Avenue SB				34.2
Otay Mesa Road EB				57.1
Otay Mesa Road WB				57.0
SR-905 EB				62.6
SR-905 EB Off-Ramp				29.9
SR-905 EB On-Ramp				49.0
SR-905 WB				65.4
SR-905 WB Off-Ramp				56.6
SR-905 WB On-Ramp				29.5
36	3.Fl	69.4	0.0	
Caliente Avenue NB				36.7
Caliente Avenue SB				36.5
Otay Mesa Road EB				58.4
Otay Mesa Road WB				58.2
SR-905 EB				63.7
SR-905 EB Off-Ramp				31.3
SR-905 EB On-Ramp				49.7
SR-905 WB				66.4

SR-905 WB Off-Ramp				57.5
SR-905 WB On-Ramp				30.9
37	1.Fl	73.6	0.0	
Caliente Avenue NB				50.0
Caliente Avenue SB				49.0
Otay Mesa Road EB				37.9
Otay Mesa Road WB				36.8
SR-905 EB				67.4
SR-905 EB Off-Ramp				43.8
SR-905 EB On-Ramp				54.6
SR-905 WB				71.2
SR-905 WB Off-Ramp				65.4
SR-905 WB On-Ramp				43.1
37	2.Fl	74.4	0.0	
Caliente Avenue NB				50.7
Caliente Avenue SB				49.5
Otay Mesa Road EB				41.5
Otay Mesa Road WB				40.6
SR-905 EB				68.8
SR-905 EB Off-Ramp				44.5
SR-905 EB On-Ramp				54.6
SR-905 WB				71.9
SR-905 WB Off-Ramp				66.1
SR-905 WB On-Ramp				44.4
37	3.Fl	75.2	0.0	
Caliente Avenue NB				51.3
Caliente Avenue SB				50.0
Otay Mesa Road EB				44.2
Otay Mesa Road WB				43.5
SR-905 EB				69.7
SR-905 EB Off-Ramp				45.3
SR-905 EB On-Ramp				55.1
SR-905 WB				72.9
SR-905 WB Off-Ramp				66.0
SR-905 WB On-Ramp				45.3
38	1.Fl	68.9	0.0	
Caliente Avenue NB				51.2
Caliente Avenue SB				50.0
Otay Mesa Road EB				45.1
Otay Mesa Road WB				44.6
SR-905 EB				63.0

SR-905 EB Off-Ramp				45.0
SR-905 EB On-Ramp				50.0
SR-905 WB				66.2
SR-905 WB Off-Ramp				60.2
SR-905 WB On-Ramp				34.2
38	2.Fl	70.0	0.0	
Caliente Avenue NB				51.1
Caliente Avenue SB				49.7
Otay Mesa Road EB				47.6
Otay Mesa Road WB				46.8
SR-905 EB				64.8
SR-905 EB Off-Ramp				45.3
SR-905 EB On-Ramp				50.1
SR-905 WB				67.3
SR-905 WB Off-Ramp				60.3
SR-905 WB On-Ramp				29.0
38	3.Fl	70.9	0.0	
Caliente Avenue NB				51.9
Caliente Avenue SB				50.7
Otay Mesa Road EB				48.7
Otay Mesa Road WB				48.4
SR-905 EB				65.8
SR-905 EB Off-Ramp				46.4
SR-905 EB On-Ramp				50.6
SR-905 WB				68.2
SR-905 WB Off-Ramp				61.1
SR-905 WB On-Ramp				36.8
39	1.Fl	67.2	0.0	
Caliente Avenue NB				47.5
Caliente Avenue SB				46.1
Otay Mesa Road EB				47.2
Otay Mesa Road WB				47.6
SR-905 EB				61.4
SR-905 EB Off-Ramp				41.0
SR-905 EB On-Ramp				49.3
SR-905 WB				64.7
SR-905 WB Off-Ramp				58.3
SR-905 WB On-Ramp				31.1
39	2.Fl	69.2	0.0	
Caliente Avenue NB				47.1
Caliente Avenue SB				46.0

Otay Mesa Road EB				48.9
Otay Mesa Road WB				48.7
SR-905 EB				63.8
SR-905 EB Off-Ramp				42.0
SR-905 EB On-Ramp				50.1
SR-905 WB				66.7
SR-905 WB Off-Ramp				59.2
SR-905 WB On-Ramp				33.2
39	3.Fl	69.9	0.0	
Caliente Avenue NB				46.9
Caliente Avenue SB				46.2
Otay Mesa Road EB				50.3
Otay Mesa Road WB				50.0
SR-905 EB				64.7
SR-905 EB Off-Ramp				41.8
SR-905 EB On-Ramp				50.6
SR-905 WB				67.4
SR-905 WB Off-Ramp				59.8
SR-905 WB On-Ramp				36.6
40	1.Fl	70.3	0.0	
Caliente Avenue NB				52.4
Caliente Avenue SB				51.2
Otay Mesa Road EB				33.0
Otay Mesa Road WB				32.4
SR-905 EB				64.0
SR-905 EB Off-Ramp				45.9
SR-905 EB On-Ramp				51.8
SR-905 WB				67.4
SR-905 WB Off-Ramp				63.2
SR-905 WB On-Ramp				42.5
40	2.Fl	72.3	0.0	
Caliente Avenue NB				52.8
Caliente Avenue SB				51.4
Otay Mesa Road EB				36.9
Otay Mesa Road WB				37.3
SR-905 EB				66.6
SR-905 EB Off-Ramp				46.5
SR-905 EB On-Ramp				52.1
SR-905 WB				69.7
SR-905 WB Off-Ramp				64.0
SR-905 WB On-Ramp				43.3

40	3.Fl	73.2	0.0	
Caliente Avenue NB				53.3
Caliente Avenue SB				52.0
Otay Mesa Road EB				39.2
Otay Mesa Road WB				39.4
SR-905 EB				67.8
SR-905 EB Off-Ramp				47.2
SR-905 EB On-Ramp				52.8
SR-905 WB				70.6
SR-905 WB Off-Ramp				64.2
SR-905 WB On-Ramp				44.0
41	1.Fl	69.0	0.0	
Caliente Avenue NB				57.0
Caliente Avenue SB				55.3
Otay Mesa Road EB				33.0
Otay Mesa Road WB				33.3
SR-905 EB				62.7
SR-905 EB Off-Ramp				46.7
SR-905 EB On-Ramp				49.6
SR-905 WB				65.2
SR-905 WB Off-Ramp				62.3
SR-905 WB On-Ramp				50.9
41	2.Fl	71.3	0.0	
Caliente Avenue NB				57.0
Caliente Avenue SB				55.5
Otay Mesa Road EB				34.2
Otay Mesa Road WB				34.5
SR-905 EB				65.7
SR-905 EB Off-Ramp				47.8
SR-905 EB On-Ramp				50.5
SR-905 WB				68.2
SR-905 WB Off-Ramp				62.7
SR-905 WB On-Ramp				50.6
41	3.Fl	72.1	0.0	
Caliente Avenue NB				57.8
Caliente Avenue SB				56.3
Otay Mesa Road EB				39.9
Otay Mesa Road WB				40.2
SR-905 EB				66.9
SR-905 EB Off-Ramp				48.7
SR-905 EB On-Ramp				50.9

SR-905 WB				69.1
SR-905 WB Off-Ramp				62.8
SR-905 WB On-Ramp				51.5
42	1.Fl	62.1	0.0	
Caliente Avenue NB				52.1
Caliente Avenue SB				50.6
Otay Mesa Road EB				43.4
Otay Mesa Road WB				42.7
SR-905 EB				55.9
SR-905 EB Off-Ramp				43.6
SR-905 EB On-Ramp				34.6
SR-905 WB				58.1
SR-905 WB Off-Ramp				52.2
SR-905 WB On-Ramp				48.2
42	2.Fl	63.2	0.0	
Caliente Avenue NB				51.7
Caliente Avenue SB				50.7
Otay Mesa Road EB				44.4
Otay Mesa Road WB				44.0
SR-905 EB				57.4
SR-905 EB Off-Ramp				43.9
SR-905 EB On-Ramp				36.8
SR-905 WB				59.9
SR-905 WB Off-Ramp				51.8
SR-905 WB On-Ramp				48.8
42	3.Fl	64.2	0.0	
Caliente Avenue NB				52.0
Caliente Avenue SB				51.0
Otay Mesa Road EB				48.0
Otay Mesa Road WB				47.6
SR-905 EB				58.7
SR-905 EB Off-Ramp				43.9
SR-905 EB On-Ramp				40.0
SR-905 WB				60.9
SR-905 WB Off-Ramp				52.1
SR-905 WB On-Ramp				49.1
43	1.Fl	63.0	0.0	
Caliente Avenue NB				42.6
Caliente Avenue SB				41.5
Otay Mesa Road EB				43.2
Otay Mesa Road WB				43.3

SR-905 EB				57.4
SR-905 EB Off-Ramp				35.6
SR-905 EB On-Ramp				46.2
SR-905 WB				60.5
SR-905 WB Off-Ramp				53.5
SR-905 WB On-Ramp				25.6
43	2.Fl	65.3	0.0	
Caliente Avenue NB				43.5
Caliente Avenue SB				42.2
Otay Mesa Road EB				44.2
Otay Mesa Road WB				43.7
SR-905 EB				60.2
SR-905 EB Off-Ramp				36.8
SR-905 EB On-Ramp				47.4
SR-905 WB				62.9
SR-905 WB Off-Ramp				53.8
SR-905 WB On-Ramp				29.6
43	3.Fl	65.9	0.0	
Caliente Avenue NB				43.5
Caliente Avenue SB				42.8
Otay Mesa Road EB				46.9
Otay Mesa Road WB				46.7
SR-905 EB				61.0
SR-905 EB Off-Ramp				37.5
SR-905 EB On-Ramp				47.5
SR-905 WB				63.3
SR-905 WB Off-Ramp				54.4
SR-905 WB On-Ramp				34.3
44	1.Fl	68.7	0.0	
Caliente Avenue NB				54.7
Caliente Avenue SB				52.9
Otay Mesa Road EB				38.6
Otay Mesa Road WB				37.4
SR-905 EB				62.6
SR-905 EB Off-Ramp				45.7
SR-905 EB On-Ramp				49.2
SR-905 WB				65.7
SR-905 WB Off-Ramp				60.5
SR-905 WB On-Ramp				49.1
44	2.Fl	70.2	0.0	
Caliente Avenue NB				55.1

Caliente Avenue SB				53.3
Otay Mesa Road EB				40.9
Otay Mesa Road WB				40.7
SR-905 EB				65.2
SR-905 EB Off-Ramp				46.6
SR-905 EB On-Ramp				49.7
SR-905 WB				67.1
SR-905 WB Off-Ramp				60.5
SR-905 WB On-Ramp				49.7
44	3.Fl	71.1	0.0	
Caliente Avenue NB				55.7
Caliente Avenue SB				54.1
Otay Mesa Road EB				43.0
Otay Mesa Road WB				42.8
SR-905 EB				66.2
SR-905 EB Off-Ramp				47.5
SR-905 EB On-Ramp				50.3
SR-905 WB				68.0
SR-905 WB Off-Ramp				61.3
SR-905 WB On-Ramp				50.3
45	1.Fl	67.5	0.0	
Caliente Avenue NB				59.0
Caliente Avenue SB				57.1
Otay Mesa Road EB				36.2
Otay Mesa Road WB				35.9
SR-905 EB				60.0
SR-905 EB Off-Ramp				46.8
SR-905 EB On-Ramp				42.7
SR-905 WB				63.5
SR-905 WB Off-Ramp				58.8
SR-905 WB On-Ramp				52.7
45	2.Fl	70.0	0.0	
Caliente Avenue NB				59.2
Caliente Avenue SB				57.2
Otay Mesa Road EB				37.3
Otay Mesa Road WB				37.4
SR-905 EB				64.6
SR-905 EB Off-Ramp				48.3
SR-905 EB On-Ramp				47.4
SR-905 WB				66.5
SR-905 WB Off-Ramp				59.6

SR-905 WB On-Ramp				52.5
45	3.Fl	71.1	0.0	
Caliente Avenue NB				60.2
Caliente Avenue SB				58.0
Otay Mesa Road EB				40.7
Otay Mesa Road WB				40.9
SR-905 EB				65.8
SR-905 EB Off-Ramp				49.3
SR-905 EB On-Ramp				48.3
SR-905 WB				67.8
SR-905 WB Off-Ramp				60.5
SR-905 WB On-Ramp				53.5

4135.1 California Terraces PA-61 Lot 1

SoundPLAN Data - Traffic

No.	Coordinates X (meters)	Y (meters)	Height (meters)	Noise Level w/o Barrier dB(A)	Noise Level w/ Barrier dB(A)	Difference dB
1	498798.96	3603396.27	164.15	63.7	63.7	0
2	498784.85	3603393.48	164.17	65.4	65.4	0
3	498795.37	3603384.73	164.15	66.7	66.7	0
4	498785.05	3603378.76	164.24	60.3	60.3	0
5	498786.47	3603367.84	164.28	59.2	59.1	0
6	498792.79	3603367.89	164.22	59.4	59.4	0
7	498772.35	3603396.01	164.30	54.1	54.1	0
8	498758.65	3603393.28	164.43	64.7	64.7	0
9	498768.96	3603384.63	164.40	63.4	63.4	0
10	498758.80	3603378.66	164.52	59.5	59.5	0
11	498760.11	3603367.54	164.58	57.3	57.3	0
12	498766.49	3603367.54	164.53	53.4	53.4	0
13	498734.31	3603402.03	164.56	54.2	54.2	0
14	498748.48	3603399.35	164.47	68.3	68.3	0
15	498738.46	3603390.70	164.60	60.0	60.0	0
16	498738.41	3603386.35	164.63	60.4	60.4	0
17	498748.83	3603378.06	164.60	60.6	60.6	0
18	498747.52	3603367.13	164.67	55.5	55.5	0
19	498741.35	3603367.28	164.72	50.3	50.3	0
20	498725.31	3603402.03	164.63	55.0	55.0	0
21	498711.35	3603399.00	164.75	69.4	69.4	0
22	498721.82	3603390.55	164.73	61.0	61.0	0
23	498721.97	3603386.20	164.75	60.7	60.7	0
24	498711.40	3603377.85	164.89	68.1	68.1	0
25	498713.02	3603366.88	164.94	66.8	66.8	0
26	498719.14	3603367.08	164.89	62.9	62.9	0
27	498713.68	3603353.57	165.02	63.3	63.3	0
28	498707.76	3603353.68	165.06	67.3	67.3	0
29	498706.29	3603342.65	165.14	68.7	68.7	0
30	498716.66	3603334.45	165.11	58.2	58.2	0
31	498716.76	3603329.95	165.14	57.6	57.6	0
32	498706.65	3603321.50	165.27	68.6	68.6	0
33	498720.51	3603318.77	165.18	54.2	54.2	0
34	498737.96	3603353.88	164.83	53.7	53.7	0
35	498744.03	3603353.88	164.78	57.1	57.1	0
36	498745.54	3603343.15	164.84	53.0	53.0	0
37	498734.92	3603334.71	164.97	57.7	57.7	0
38	498734.92	3603330.20	165.00	57.4	57.4	0

39	498745.39	3603322.01	164.97	51.5	51.5	0
40	498731.43	3603318.92	165.10	54.1	54.1	0
41	498760.37	3603353.83	164.66	57.6	57.6	0
42	498754.09	3603354.08	164.71	61.2	61.2	0
43	498752.93	3603343.20	164.78	51.4	51.4	0
44	498763.35	3603335.01	164.74	54.2	54.2	0
45	498763.40	3603330.31	164.76	55.5	55.5	0
46	498753.23	3603322.01	164.91	51.4	51.4	0
47	498767.35	3603319.18	164.76	56.0	56.0	0
48	498783.99	3603353.22	164.38	61.6	61.6	0
49	498790.36	3603353.32	164.30	62.9	62.9	0
50	498791.88	3603342.55	164.35	62.6	62.6	0
51	498781.10	3603333.80	164.51	51.2	51.2	0
52	498781.26	3603329.55	164.53	52.8	52.8	0
53	498791.83	3603321.25	164.46	59.5	59.5	0
54	498777.66	3603318.27	164.64	53.8	53.8	0
55	498819.95	3603332.03	164.82	66.3	66.3	0
56	498806.14	3603329.29	164.60	60.2	60.2	0
57	498816.61	3603320.54	164.82	64.6	64.6	0
58	498806.35	3603314.27	164.67	61.4	61.4	0
59	498807.76	3603303.50	164.75	65.2	65.2	0
60	498814.19	3603303.50	164.86	60.4	60.4	0
61	498814.24	3603293.08	164.91	60.3	60.3	0
62	498807.76	3603293.18	164.80	61.4	61.4	0
63	498806.65	3603281.95	164.84	65.9	65.8	-0.1
64	498816.61	3603276.23	164.93	67.2	67.2	0
65	498806.70	3603267.38	164.91	68.1	68.2	0.1
66	498820.86	3603264.70	164.93	62.5	62.5	0
67	498780.95	3603295.25	164.71	64.6	64.5	0
68	498774.58	3603295.15	164.79	62.3	62.3	0
69	498768.51	3603304.71	164.82	55.2	55.2	0
70	498759.71	3603304.66	164.93	57.2	57.2	0
71	498755.66	3603304.56	164.99	57.8	57.8	0
72	498746.81	3603304.41	165.07	54.7	54.7	0
73	498741.04	3603294.90	165.17	69.9	69.9	0
74	**498734.16**	**3603295.00**	**165.23**	**71.4**	66.6	-4.8
75	**498783.79**	**3603274.87**	**164.77**	**71.6**	65.3	-6.3
76	**498774.88**	**3603274.66**	**164.89**	**71.8**	66.5	-5.2
77	**498770.23**	**3603274.66**	**164.95**	**72.0**	67.9	-4.1
78	**498762.03**	**3603274.66**	**165.05**	**71.7**	67.6	-4.1
79	498755.31	3603283.92	165.05	66.8	66.9	0.1

4135.1 California Terraces PA-61 Lot 1

SoundPLAN Data - Traffic

Source name				Noise Level w/o Barrier dB(A)	Noise Level w/ Barrier dB(A)
1	1.Fl	63.7	63.7		
Caliente Avenue NB				35.4	35.4
Caliente Avenue SB				35.5	35.5
Otay Mesa Road EB				58.4	58.4
Otay Mesa Road WB				56.1	56.1
SR-905 EB				55.8	55.8
SR-905 EB Off-Ramp				27.6	27.6
SR-905 EB On-Ramp				44.2	44.2
SR-905 WB				58.8	58.8
SR-905 WB Off-Ramp				48.1	48.1
SR-905 WB On-Ramp				28.2	28.2
2	1.Fl	65.4	65.4		
Caliente Avenue NB				46.8	46.8
Caliente Avenue SB				46.3	46.3
Otay Mesa Road EB				63.3	63.3
Otay Mesa Road WB				60.8	60.8
SR-905 EB				42.4	42.4
SR-905 EB Off-Ramp				26.1	26.1
SR-905 EB On-Ramp				31.5	31.5
SR-905 WB				43.9	43.9
SR-905 WB Off-Ramp				33.5	33.5
SR-905 WB On-Ramp				27.8	27.8
3	1.Fl	66.7	66.7		
Caliente Avenue NB				34.2	34.2
Caliente Avenue SB				34.4	34.4
Otay Mesa Road EB				64.0	64.0
Otay Mesa Road WB				62.2	62.2
SR-905 EB				52.1	52.1
SR-905 EB Off-Ramp				24.7	24.7
SR-905 EB On-Ramp				39.9	39.9
SR-905 WB				54.9	54.9
SR-905 WB Off-Ramp				44.1	44.1
SR-905 WB On-Ramp				26.0	26.0
4	1.Fl	60.3	60.3		
Caliente Avenue NB				38.3	38.3
Caliente Avenue SB				36.0	36.0
Otay Mesa Road EB				57.4	57.4
Otay Mesa Road WB				55.5	55.5

SR-905 EB				46.6	46.6
SR-905 EB Off-Ramp				27.3	27.3
SR-905 EB On-Ramp				35.9	35.9
SR-905 WB				49.5	49.5
SR-905 WB Off-Ramp				38.9	38.9
SR-905 WB On-Ramp				27.7	27.7
5	1.Fl	59.2	59.1		
Caliente Avenue NB				44.1	44.1
Caliente Avenue SB				43.5	43.5
Otay Mesa Road EB				53.6	53.6
Otay Mesa Road WB				53.1	53.1
SR-905 EB				50.3	50.3
SR-905 EB Off-Ramp				32.7	32.7
SR-905 EB On-Ramp				37.9	37.9
SR-905 WB				53.1	53.1
SR-905 WB Off-Ramp				42.0	42.0
SR-905 WB On-Ramp				38.3	38.3
6	1.Fl	59.4	59.4		
Caliente Avenue NB				36.9	36.9
Caliente Avenue SB				36.8	36.8
Otay Mesa Road EB				52.8	52.8
Otay Mesa Road WB				52.6	52.6
SR-905 EB				51.9	51.9
SR-905 EB Off-Ramp				29.3	29.3
SR-905 EB On-Ramp				40.8	40.8
SR-905 WB				54.7	54.7
SR-905 WB Off-Ramp				45.0	45.0
SR-905 WB On-Ramp				31.6	31.6
7	1.Fl	54.1	54.1		
Caliente Avenue NB				38.7	38.7
Caliente Avenue SB				38.4	38.4
Otay Mesa Road EB				51.8	51.8
Otay Mesa Road WB				45.4	45.4
SR-905 EB				43.1	43.1
SR-905 EB Off-Ramp				29.2	29.2
SR-905 EB On-Ramp				31.4	31.4
SR-905 WB				44.7	44.7
SR-905 WB Off-Ramp				33.4	33.4
SR-905 WB On-Ramp				30.6	30.6
8	1.Fl	64.7	64.7		
Caliente Avenue NB				46.0	46.0

Caliente Avenue SB				44.8	44.8
Otay Mesa Road EB				62.7	62.7
Otay Mesa Road WB				59.9	59.9
SR-905 EB				43.1	43.1
SR-905 EB Off-Ramp				30.7	30.7
SR-905 EB On-Ramp				29.7	29.7
SR-905 WB				44.7	44.7
SR-905 WB Off-Ramp				32.1	32.1
SR-905 WB On-Ramp				33.2	33.2
9	1.Fl	63.4	63.4		
Caliente Avenue NB				42.8	42.8
Caliente Avenue SB				42.4	42.4
Otay Mesa Road EB				61.2	61.2
Otay Mesa Road WB				58.9	58.9
SR-905 EB				41.8	41.8
SR-905 EB Off-Ramp				27.6	27.6
SR-905 EB On-Ramp				30.1	30.1
SR-905 WB				43.3	43.3
SR-905 WB Off-Ramp				32.2	32.2
SR-905 WB On-Ramp				29.8	29.8
10	1.Fl	59.5	59.5		
Caliente Avenue NB				38.8	38.8
Caliente Avenue SB				39.0	39.0
Otay Mesa Road EB				57.0	57.0
Otay Mesa Road WB				55.0	55.0
SR-905 EB				43.7	43.7
SR-905 EB Off-Ramp				31.4	31.4
SR-905 EB On-Ramp				30.4	30.4
SR-905 WB				45.3	45.3
SR-905 WB Off-Ramp				33.4	33.4
SR-905 WB On-Ramp				33.5	33.5
11	1.Fl	57.3	57.3		
Caliente Avenue NB				47.6	47.6
Caliente Avenue SB				47.0	47.0
Otay Mesa Road EB				50.5	50.5
Otay Mesa Road WB				50.1	50.1
SR-905 EB				48.3	48.3
SR-905 EB Off-Ramp				35.0	35.0
SR-905 EB On-Ramp				32.1	32.1
SR-905 WB				51.0	51.0
SR-905 WB Off-Ramp				37.3	37.3

SR-905 WB On-Ramp				41.3	41.3
12	1.Fl	53.4	53.4		
Caliente Avenue NB				43.7	43.7
Caliente Avenue SB				43.2	43.2
Otay Mesa Road EB				45.9	45.9
Otay Mesa Road WB				45.5	45.5
SR-905 EB				45.1	45.1
SR-905 EB Off-Ramp				31.7	31.7
SR-905 EB On-Ramp				32.2	32.2
SR-905 WB				47.5	47.5
SR-905 WB Off-Ramp				34.8	34.8
SR-905 WB On-Ramp				36.7	36.7
13	1.Fl	54.2	54.2		
Caliente Avenue NB				40.0	40.0
Caliente Avenue SB				39.2	39.2
Otay Mesa Road EB				46.1	46.1
Otay Mesa Road WB				45.2	45.2
SR-905 EB				49.0	49.0
SR-905 EB Off-Ramp				31.7	31.7
SR-905 EB On-Ramp				35.9	35.9
SR-905 WB				48.3	48.3
SR-905 WB Off-Ramp				40.7	40.7
SR-905 WB On-Ramp				34.2	34.2
14	1.Fl	68.3	68.3		
Caliente Avenue NB				37.8	37.8
Caliente Avenue SB				37.1	37.1
Otay Mesa Road EB				66.5	66.5
Otay Mesa Road WB				63.5	63.5
SR-905 EB				42.2	42.2
SR-905 EB Off-Ramp				28.8	28.8
SR-905 EB On-Ramp				29.1	29.1
SR-905 WB				43.7	43.7
SR-905 WB Off-Ramp				31.7	31.7
SR-905 WB On-Ramp				31.4	31.4
15	1.Fl	60.0	60.0		
Caliente Avenue NB				43.6	43.6
Caliente Avenue SB				42.6	42.6
Otay Mesa Road EB				57.6	57.6
Otay Mesa Road WB				54.8	54.8
SR-905 EB				44.9	44.9
SR-905 EB Off-Ramp				29.2	29.2

SR-905 EB On-Ramp				33.6	33.6
SR-905 WB				46.7	46.7
SR-905 WB Off-Ramp				37.6	37.6
SR-905 WB On-Ramp				32.1	32.1
16	1.Fl	60.4	60.4		
Caliente Avenue NB				46.2	46.2
Caliente Avenue SB				45.5	45.5
Otay Mesa Road EB				57.9	57.9
Otay Mesa Road WB				55.0	55.0
SR-905 EB				44.4	44.4
SR-905 EB Off-Ramp				29.7	29.7
SR-905 EB On-Ramp				32.5	32.5
SR-905 WB				46.0	45.8
SR-905 WB Off-Ramp				36.7	36.6
SR-905 WB On-Ramp				32.5	32.5
17	1.Fl	60.6	60.6		
Caliente Avenue NB				43.0	43.0
Caliente Avenue SB				44.3	44.3
Otay Mesa Road EB				58.1	58.1
Otay Mesa Road WB				55.8	55.8
SR-905 EB				43.4	43.4
SR-905 EB Off-Ramp				29.6	29.6
SR-905 EB On-Ramp				30.6	30.6
SR-905 WB				45.0	45.0
SR-905 WB Off-Ramp				33.6	33.6
SR-905 WB On-Ramp				31.8	31.8
18	1.Fl	55.5	55.5		
Caliente Avenue NB				46.5	46.5
Caliente Avenue SB				45.5	45.5
Otay Mesa Road EB				47.9	47.9
Otay Mesa Road WB				47.6	47.6
SR-905 EB				46.9	46.9
SR-905 EB Off-Ramp				33.4	33.4
SR-905 EB On-Ramp				31.6	31.6
SR-905 WB				49.7	49.7
SR-905 WB Off-Ramp				35.7	35.7
SR-905 WB On-Ramp				38.8	38.8
19	1.Fl	50.3	50.3		
Caliente Avenue NB				39.4	39.4
Caliente Avenue SB				38.8	38.8
Otay Mesa Road EB				41.8	41.8

Otay Mesa Road WB				41.7	41.7
SR-905 EB				43.7	43.7
SR-905 EB Off-Ramp				29.0	29.0
SR-905 EB On-Ramp				30.6	30.6
SR-905 WB				45.1	45.1
SR-905 WB Off-Ramp				34.2	34.2
SR-905 WB On-Ramp				31.1	31.1
20	1.Fl	55.0	55.0		
Caliente Avenue NB				42.6	42.6
Caliente Avenue SB				41.6	41.6
Otay Mesa Road EB				50.0	50.0
Otay Mesa Road WB				44.9	44.9
SR-905 EB				47.7	47.7
SR-905 EB Off-Ramp				31.1	31.1
SR-905 EB On-Ramp				36.0	36.0
SR-905 WB				48.7	48.7
SR-905 WB Off-Ramp				40.8	40.8
SR-905 WB On-Ramp				33.6	33.6
21	1.Fl	69.4	69.4		
Caliente Avenue NB				63.0	63.0
Caliente Avenue SB				60.8	60.8
Otay Mesa Road EB				64.9	64.9
Otay Mesa Road WB				60.0	60.0
SR-905 EB				57.3	57.3
SR-905 EB Off-Ramp				44.1	44.1
SR-905 EB On-Ramp				35.3	35.3
SR-905 WB				59.4	59.4
SR-905 WB Off-Ramp				41.8	41.8
SR-905 WB On-Ramp				49.3	49.3
22	1.Fl	61.0	61.0		
Caliente Avenue NB				45.9	45.9
Caliente Avenue SB				45.1	45.1
Otay Mesa Road EB				58.8	58.8
Otay Mesa Road WB				55.5	55.5
SR-905 EB				45.2	45.2
SR-905 EB Off-Ramp				30.1	30.1
SR-905 EB On-Ramp				31.7	31.7
SR-905 WB				45.6	45.6
SR-905 WB Off-Ramp				36.2	36.2
SR-905 WB On-Ramp				32.7	32.7
23	1.Fl	60.7	60.7		

Caliente Avenue NB				45.0	45.0
Caliente Avenue SB				44.3	44.3
Otay Mesa Road EB				58.4	58.4
Otay Mesa Road WB				55.5	55.5
SR-905 EB				43.0	43.0
SR-905 EB Off-Ramp				30.2	30.2
SR-905 EB On-Ramp				29.0	29.0
SR-905 WB				44.7	44.7
SR-905 WB Off-Ramp				33.2	33.2
SR-905 WB On-Ramp				32.8	32.8
24	1.Fl	68.1	68.1		
Caliente Avenue NB				62.9	62.9
Caliente Avenue SB				60.8	60.8
Otay Mesa Road EB				59.9	59.9
Otay Mesa Road WB				56.6	56.6
SR-905 EB				58.2	58.2
SR-905 EB Off-Ramp				44.9	44.9
SR-905 EB On-Ramp				35.3	35.3
SR-905 WB				60.2	60.2
SR-905 WB Off-Ramp				43.9	43.9
SR-905 WB On-Ramp				50.4	50.4
25	1.Fl	66.8	66.8		
Caliente Avenue NB				61.2	61.2
Caliente Avenue SB				59.1	59.1
Otay Mesa Road EB				53.7	53.7
Otay Mesa Road WB				51.6	51.6
SR-905 EB				59.2	59.2
SR-905 EB Off-Ramp				45.4	45.4
SR-905 EB On-Ramp				32.2	32.2
SR-905 WB				61.1	61.1
SR-905 WB Off-Ramp				42.5	42.5
SR-905 WB On-Ramp				51.2	51.2
26	1.Fl	62.9	62.9		
Caliente Avenue NB				55.9	55.9
Caliente Avenue SB				54.1	54.1
Otay Mesa Road EB				50.4	50.4
Otay Mesa Road WB				47.3	47.3
SR-905 EB				56.0	56.0
SR-905 EB Off-Ramp				41.7	41.7
SR-905 EB On-Ramp				38.4	38.5
SR-905 WB				58.0	58.0

SR-905 WB Off-Ramp				44.2	44.2
SR-905 WB On-Ramp				47.8	47.8
27	1.Fl	63.3	63.3		
Caliente Avenue NB				58.5	58.5
Caliente Avenue SB				56.9	56.9
Otay Mesa Road EB				57.4	57.4
Otay Mesa Road WB				55.2	55.2
SR-905 EB				42.4	42.4
SR-905 EB Off-Ramp				29.3	29.3
SR-905 EB On-Ramp				29.0	29.0
SR-905 WB				44.1	44.1
SR-905 WB Off-Ramp				33.4	33.4
SR-905 WB On-Ramp				32.7	32.7
28	1.Fl	67.3	67.3		
Caliente Avenue NB				62.6	62.6
Caliente Avenue SB				60.3	60.3
Otay Mesa Road EB				60.7	60.7
Otay Mesa Road WB				58.5	58.5
SR-905 EB				52.1	52.1
SR-905 EB Off-Ramp				39.9	39.9
SR-905 EB On-Ramp				27.9	27.9
SR-905 WB				55.6	55.6
SR-905 WB Off-Ramp				32.9	32.9
SR-905 WB On-Ramp				47.1	47.1
29	1.Fl	68.7	68.7		
Caliente Avenue NB				63.9	63.9
Caliente Avenue SB				61.4	61.4
Otay Mesa Road EB				55.1	55.1
Otay Mesa Road WB				52.2	52.2
SR-905 EB				60.3	60.3
SR-905 EB Off-Ramp				46.0	46.0
SR-905 EB On-Ramp				38.6	38.6
SR-905 WB				62.3	62.3
SR-905 WB Off-Ramp				48.5	48.5
SR-905 WB On-Ramp				52.5	52.5
30	1.Fl	58.2	58.2		
Caliente Avenue NB				47.5	47.5
Caliente Avenue SB				46.4	46.4
Otay Mesa Road EB				42.8	42.8
Otay Mesa Road WB				42.4	42.4
SR-905 EB				53.8	53.9

SR-905 EB Off-Ramp				36.9	36.9
SR-905 EB On-Ramp				38.5	38.6
SR-905 WB				53.4	53.4
SR-905 WB Off-Ramp				47.1	47.1
SR-905 WB On-Ramp				34.8	34.8
31	1.Fl	57.6	57.6		
Caliente Avenue NB				48.0	48.0
Caliente Avenue SB				45.9	45.9
Otay Mesa Road EB				43.0	43.0
Otay Mesa Road WB				42.5	42.5
SR-905 EB				51.9	51.9
SR-905 EB Off-Ramp				37.1	37.1
SR-905 EB On-Ramp				37.5	37.5
SR-905 WB				53.4	53.4
SR-905 WB Off-Ramp				46.9	46.9
SR-905 WB On-Ramp				34.7	34.7
32	1.Fl	68.6	68.6		
Caliente Avenue NB				63.2	63.2
Caliente Avenue SB				60.6	60.6
Otay Mesa Road EB				50.2	50.2
Otay Mesa Road WB				48.3	48.3
SR-905 EB				61.1	61.1
SR-905 EB Off-Ramp				47.0	47.0
SR-905 EB On-Ramp				38.5	38.5
SR-905 WB				63.2	63.2
SR-905 WB Off-Ramp				52.1	52.1
SR-905 WB On-Ramp				53.5	53.5
33	1.Fl	54.2	54.2		
Caliente Avenue NB				42.2	42.2
Caliente Avenue SB				41.5	41.5
Otay Mesa Road EB				48.1	48.1
Otay Mesa Road WB				47.4	47.4
SR-905 EB				45.9	45.9
SR-905 EB Off-Ramp				31.0	31.0
SR-905 EB On-Ramp				33.5	33.5
SR-905 WB				47.7	47.7
SR-905 WB Off-Ramp				39.4	39.4
SR-905 WB On-Ramp				35.1	35.1
34	1.Fl	53.7	53.7		
Caliente Avenue NB				42.3	42.3
Caliente Avenue SB				41.6	41.6

Otay Mesa Road EB				49.2	49.2
Otay Mesa Road WB				48.3	48.3
SR-905 EB				42.7	42.7
SR-905 EB Off-Ramp				30.3	30.3
SR-905 EB On-Ramp				29.2	29.2
SR-905 WB				44.4	44.4
SR-905 WB Off-Ramp				33.1	33.1
SR-905 WB On-Ramp				33.2	33.2
35	1.Fl	57.1	57.1		
Caliente Avenue NB				47.0	47.0
Caliente Avenue SB				46.6	46.6
Otay Mesa Road EB				49.9	49.9
Otay Mesa Road WB				49.1	49.1
SR-905 EB				49.2	49.2
SR-905 EB Off-Ramp				36.4	36.4
SR-905 EB On-Ramp				32.2	32.2
SR-905 WB				51.2	51.2
SR-905 WB Off-Ramp				37.1	37.1
SR-905 WB On-Ramp				40.8	40.8
36	1.Fl	53.0	53.0		
Caliente Avenue NB				39.0	39.0
Caliente Avenue SB				38.7	38.7
Otay Mesa Road EB				47.2	47.2
Otay Mesa Road WB				46.5	46.5
SR-905 EB				45.1	45.1
SR-905 EB Off-Ramp				31.3	31.3
SR-905 EB On-Ramp				33.0	33.0
SR-905 WB				46.7	46.7
SR-905 WB Off-Ramp				36.6	36.6
SR-905 WB On-Ramp				33.1	33.1
37	1.Fl	57.7	57.7		
Caliente Avenue NB				47.1	47.1
Caliente Avenue SB				44.1	44.1
Otay Mesa Road EB				43.1	43.1
Otay Mesa Road WB				40.2	40.2
SR-905 EB				53.5	53.5
SR-905 EB Off-Ramp				33.9	33.9
SR-905 EB On-Ramp				39.3	39.3
SR-905 WB				52.9	52.9
SR-905 WB Off-Ramp				45.9	45.9
SR-905 WB On-Ramp				37.7	37.7

38	1.Fl	57.4	57.4		
Caliente Avenue NB				47.7	47.7
Caliente Avenue SB				45.7	45.7
Otay Mesa Road EB				42.5	42.5
Otay Mesa Road WB				42.2	42.2
SR-905 EB				51.9	51.9
SR-905 EB Off-Ramp				37.0	37.0
SR-905 EB On-Ramp				36.2	36.2
SR-905 WB				53.3	53.3
SR-905 WB Off-Ramp				45.7	45.7
SR-905 WB On-Ramp				36.6	36.6
39	1.Fl	51.5	51.5		
Caliente Avenue NB				38.6	38.6
Caliente Avenue SB				38.3	38.3
Otay Mesa Road EB				41.9	41.9
Otay Mesa Road WB				42.0	42.0
SR-905 EB				45.2	45.2
SR-905 EB Off-Ramp				31.5	31.5
SR-905 EB On-Ramp				32.8	32.8
SR-905 WB				47.0	47.0
SR-905 WB Off-Ramp				37.6	37.6
SR-905 WB On-Ramp				33.7	33.7
40	1.Fl	54.1	54.1		
Caliente Avenue NB				41.1	41.1
Caliente Avenue SB				40.2	40.2
Otay Mesa Road EB				49.1	49.1
Otay Mesa Road WB				48.3	48.3
SR-905 EB				44.5	44.5
SR-905 EB Off-Ramp				31.5	31.5
SR-905 EB On-Ramp				31.0	31.0
SR-905 WB				46.5	46.5
SR-905 WB Off-Ramp				36.8	36.8
SR-905 WB On-Ramp				35.8	35.8
41	1.Fl	57.6	57.6		
Caliente Avenue NB				40.4	40.4
Caliente Avenue SB				40.1	40.1
Otay Mesa Road EB				54.7	54.7
Otay Mesa Road WB				53.1	53.1
SR-905 EB				43.1	43.1
SR-905 EB Off-Ramp				31.0	31.0
SR-905 EB On-Ramp				29.6	29.6

SR-905 WB				44.7	44.7
SR-905 WB Off-Ramp				33.5	33.5
SR-905 WB On-Ramp				32.6	32.6
42	1.Fl	61.2	61.2		
Caliente Avenue NB				48.5	48.5
Caliente Avenue SB				47.9	47.9
Otay Mesa Road EB				57.8	57.8
Otay Mesa Road WB				56.2	56.2
SR-905 EB				47.2	47.2
SR-905 EB Off-Ramp				34.1	34.1
SR-905 EB On-Ramp				29.9	29.9
SR-905 WB				49.8	49.8
SR-905 WB Off-Ramp				35.8	35.8
SR-905 WB On-Ramp				39.1	39.1
43	1.Fl	51.4	51.4		
Caliente Avenue NB				40.3	40.3
Caliente Avenue SB				40.3	40.3
Otay Mesa Road EB				41.2	41.2
Otay Mesa Road WB				41.4	41.4
SR-905 EB				45.1	45.1
SR-905 EB Off-Ramp				32.9	32.9
SR-905 EB On-Ramp				31.6	31.6
SR-905 WB				46.6	46.6
SR-905 WB Off-Ramp				35.9	35.9
SR-905 WB On-Ramp				35.2	35.2
44	1.Fl	54.2	54.2		
Caliente Avenue NB				40.8	40.8
Caliente Avenue SB				37.6	37.6
Otay Mesa Road EB				49.8	49.8
Otay Mesa Road WB				48.8	48.8
SR-905 EB				44.2	44.2
SR-905 EB Off-Ramp				29.9	29.9
SR-905 EB On-Ramp				32.4	32.4
SR-905 WB				45.8	45.8
SR-905 WB Off-Ramp				36.0	36.0
SR-905 WB On-Ramp				31.6	31.6
45	1.Fl	55.5	55.5		
Caliente Avenue NB				38.0	38.0
Caliente Avenue SB				37.9	37.9
Otay Mesa Road EB				51.8	51.8
Otay Mesa Road WB				50.8	50.8

SR-905 EB				44.0	44.0
SR-905 EB Off-Ramp				29.7	29.7
SR-905 EB On-Ramp				32.2	32.2
SR-905 WB				45.6	45.6
SR-905 WB Off-Ramp				35.8	35.8
SR-905 WB On-Ramp				31.8	31.8
46	1.Fl	51.4	51.4		
Caliente Avenue NB				40.1	40.1
Caliente Avenue SB				39.7	39.7
Otay Mesa Road EB				39.7	39.7
Otay Mesa Road WB				39.9	39.9
SR-905 EB				45.4	45.4
SR-905 EB Off-Ramp				32.8	32.8
SR-905 EB On-Ramp				32.0	32.0
SR-905 WB				47.0	47.0
SR-905 WB Off-Ramp				37.2	37.2
SR-905 WB On-Ramp				35.5	35.5
47	1.Fl	56.0	56.0		
Caliente Avenue NB				38.4	38.4
Caliente Avenue SB				38.3	38.3
Otay Mesa Road EB				52.5	52.5
Otay Mesa Road WB				51.5	51.5
SR-905 EB				44.2	44.2
SR-905 EB Off-Ramp				30.9	30.9
SR-905 EB On-Ramp				31.8	31.8
SR-905 WB				45.8	45.8
SR-905 WB Off-Ramp				36.3	36.3
SR-905 WB On-Ramp				32.4	32.4
48	1.Fl	61.6	61.6		
Caliente Avenue NB				36.4	36.4
Caliente Avenue SB				36.3	36.3
Otay Mesa Road EB				58.8	58.8
Otay Mesa Road WB				57.6	57.6
SR-905 EB				46.9	46.9
SR-905 EB Off-Ramp				29.8	29.8
SR-905 EB On-Ramp				35.2	35.2
SR-905 WB				46.9	46.9
SR-905 WB Off-Ramp				37.7	37.7
SR-905 WB On-Ramp				30.6	30.6
49	1.Fl	62.9	62.9		
Caliente Avenue NB				37.8	37.8

Caliente Avenue SB				37.4	37.4
Otay Mesa Road EB				59.8	59.8
Otay Mesa Road WB				59.1	59.1
SR-905 EB				48.2	48.2
SR-905 EB Off-Ramp				29.0	29.0
SR-905 EB On-Ramp				34.8	34.8
SR-905 WB				49.8	49.8
SR-905 WB Off-Ramp				39.6	39.6
SR-905 WB On-Ramp				31.6	31.6
50	1.Fl	62.6	62.6		
Caliente Avenue NB				35.5	35.5
Caliente Avenue SB				34.9	34.9
Otay Mesa Road EB				59.1	59.1
Otay Mesa Road WB				58.3	58.3
SR-905 EB				50.3	50.3
SR-905 EB Off-Ramp				27.9	27.9
SR-905 EB On-Ramp				39.8	39.8
SR-905 WB				52.8	52.8
SR-905 WB Off-Ramp				42.5	42.5
SR-905 WB On-Ramp				27.5	27.5
51	1.Fl	51.2	51.2		
Caliente Avenue NB				37.2	37.2
Caliente Avenue SB				36.5	36.5
Otay Mesa Road EB				43.8	43.8
Otay Mesa Road WB				43.6	43.6
SR-905 EB				44.5	44.5
SR-905 EB Off-Ramp				28.6	28.6
SR-905 EB On-Ramp				33.2	33.2
SR-905 WB				46.0	46.0
SR-905 WB Off-Ramp				36.4	36.4
SR-905 WB On-Ramp				29.5	29.5
52	1.Fl	52.8	52.8		
Caliente Avenue NB				37.3	37.3
Caliente Avenue SB				36.5	36.5
Otay Mesa Road EB				47.5	47.5
Otay Mesa Road WB				46.8	46.8
SR-905 EB				44.5	44.5
SR-905 EB Off-Ramp				28.2	28.2
SR-905 EB On-Ramp				33.4	33.4
SR-905 WB				46.0	46.0
SR-905 WB Off-Ramp				36.7	36.7

SR-905 WB On-Ramp				29.4	29.4
53	1.Fl	59.5	59.5		
Caliente Avenue NB				36.5	36.5
Caliente Avenue SB				36.2	36.2
Otay Mesa Road EB				53.9	53.9
Otay Mesa Road WB				53.5	53.5
SR-905 EB				50.5	50.5
SR-905 EB Off-Ramp				29.8	29.8
SR-905 EB On-Ramp				39.0	39.0
SR-905 WB				54.4	54.4
SR-905 WB Off-Ramp				43.1	43.1
SR-905 WB On-Ramp				30.0	30.0
54	1.Fl	53.8	53.8		
Caliente Avenue NB				38.0	38.0
Caliente Avenue SB				37.7	37.7
Otay Mesa Road EB				48.7	48.7
Otay Mesa Road WB				48.1	48.1
SR-905 EB				45.2	45.2
SR-905 EB Off-Ramp				31.1	31.1
SR-905 EB On-Ramp				33.2	33.2
SR-905 WB				46.8	46.8
SR-905 WB Off-Ramp				37.2	37.2
SR-905 WB On-Ramp				33.1	33.1
55	1.Fl	66.3	66.3		
Caliente Avenue NB				33.2	33.2
Caliente Avenue SB				32.8	32.8
Otay Mesa Road EB				47.1	47.1
Otay Mesa Road WB				46.9	46.9
SR-905 EB				61.4	61.4
SR-905 EB Off-Ramp				27.4	27.4
SR-905 EB On-Ramp				48.9	48.9
SR-905 WB				63.9	63.9
SR-905 WB Off-Ramp				53.4	53.4
SR-905 WB On-Ramp				27.0	27.0
56	1.Fl	60.2	60.2		
Caliente Avenue NB				34.5	34.5
Caliente Avenue SB				34.3	34.3
Otay Mesa Road EB				53.8	53.8
Otay Mesa Road WB				53.5	53.5
SR-905 EB				52.4	52.4
SR-905 EB Off-Ramp				26.0	26.0

SR-905 EB On-Ramp				41.0	41.0
SR-905 WB				55.5	55.6
SR-905 WB Off-Ramp				44.9	44.9
SR-905 WB On-Ramp				26.8	26.8
57	1.Fl	64.6	64.6		
Caliente Avenue NB				31.8	31.8
Caliente Avenue SB				31.5	31.5
Otay Mesa Road EB				57.8	57.8
Otay Mesa Road WB				57.2	57.2
SR-905 EB				57.6	57.6
SR-905 EB Off-Ramp				25.4	25.4
SR-905 EB On-Ramp				44.9	44.9
SR-905 WB				60.1	60.1
SR-905 WB Off-Ramp				50.2	50.2
SR-905 WB On-Ramp				26.2	26.2
58	1.Fl	61.4	61.4		
Caliente Avenue NB				38.3	38.3
Caliente Avenue SB				37.8	37.8
Otay Mesa Road EB				52.5	52.5
Otay Mesa Road WB				52.3	52.3
SR-905 EB				55.4	55.4
SR-905 EB Off-Ramp				29.2	29.2
SR-905 EB On-Ramp				43.2	43.3
SR-905 WB				57.7	57.8
SR-905 WB Off-Ramp				47.4	47.5
SR-905 WB On-Ramp				32.7	32.7
59	1.Fl	65.2	65.2		
Caliente Avenue NB				41.7	41.5
Caliente Avenue SB				40.9	40.8
Otay Mesa Road EB				48.6	48.6
Otay Mesa Road WB				48.6	48.6
SR-905 EB				59.7	59.7
SR-905 EB Off-Ramp				33.6	33.6
SR-905 EB On-Ramp				47.1	47.1
SR-905 WB				62.9	62.9
SR-905 WB Off-Ramp				53.1	53.1
SR-905 WB On-Ramp				37.4	37.4
60	1.Fl	60.4	60.4		
Caliente Avenue NB				42.2	41.8
Caliente Avenue SB				40.8	40.4
Otay Mesa Road EB				49.0	49.0

Otay Mesa Road WB				49.0	49.0
SR-905 EB				54.9	54.9
SR-905 EB Off-Ramp				33.0	33.0
SR-905 EB On-Ramp				42.1	42.1
SR-905 WB				57.1	57.2
SR-905 WB Off-Ramp				47.8	47.8
SR-905 WB On-Ramp				31.0	31.0
61	1.Fl	60.3	60.3		
Caliente Avenue NB				36.5	36.5
Caliente Avenue SB				36.2	36.2
Otay Mesa Road EB				48.4	48.4
Otay Mesa Road WB				48.3	48.3
SR-905 EB				54.6	54.6
SR-905 EB Off-Ramp				31.6	31.6
SR-905 EB On-Ramp				43.0	42.9
SR-905 WB				57.4	57.4
SR-905 WB Off-Ramp				47.5	47.5
SR-905 WB On-Ramp				32.4	32.4
62	1.Fl	61.4	61.4		
Caliente Avenue NB				45.5	45.5
Caliente Avenue SB				44.9	44.8
Otay Mesa Road EB				51.6	51.6
Otay Mesa Road WB				51.3	51.3
SR-905 EB				54.8	54.9
SR-905 EB Off-Ramp				36.6	36.6
SR-905 EB On-Ramp				41.8	41.8
SR-905 WB				57.9	57.9
SR-905 WB Off-Ramp				47.5	47.5
SR-905 WB On-Ramp				45.2	45.2
63	1.Fl	65.9	65.8		
Caliente Avenue NB				49.4	49.1
Caliente Avenue SB				48.2	48.0
Otay Mesa Road EB				41.7	41.7
Otay Mesa Road WB				42.0	42.0
SR-905 EB				60.7	60.7
SR-905 EB Off-Ramp				43.4	43.3
SR-905 EB On-Ramp				45.1	45.1
SR-905 WB				63.3	63.2
SR-905 WB Off-Ramp				55.1	54.9
SR-905 WB On-Ramp				38.8	39.5
64	1.Fl	67.2	67.2		

Caliente Avenue NB				33.3	33.3
Caliente Avenue SB				32.8	32.8
Otay Mesa Road EB				52.7	52.7
Otay Mesa Road WB				52.5	52.5
SR-905 EB				61.6	61.6
SR-905 EB Off-Ramp				27.1	27.1
SR-905 EB On-Ramp				48.0	48.0
SR-905 WB				64.7	64.7
SR-905 WB Off-Ramp				55.6	55.6
SR-905 WB On-Ramp				28.5	28.5
65	1.Fl	68.1	68.2		
Caliente Avenue NB				51.0	51.2
Caliente Avenue SB				49.8	50.0
Otay Mesa Road EB				40.3	40.3
Otay Mesa Road WB				40.6	40.6
SR-905 EB				62.8	62.9
SR-905 EB Off-Ramp				45.2	45.4
SR-905 EB On-Ramp				46.9	46.9
SR-905 WB				65.3	65.4
SR-905 WB Off-Ramp				59.0	59.1
SR-905 WB On-Ramp				44.0	44.0
66	1.Fl	62.5	62.5		
Caliente Avenue NB				34.6	34.6
Caliente Avenue SB				34.4	34.4
Otay Mesa Road EB				57.5	57.5
Otay Mesa Road WB				57.4	57.4
SR-905 EB				52.6	52.6
SR-905 EB Off-Ramp				28.8	28.8
SR-905 EB On-Ramp				38.3	38.3
SR-905 WB				56.4	56.4
SR-905 WB Off-Ramp				47.7	47.7
SR-905 WB On-Ramp				29.8	29.8
67	1.Fl	64.6	64.5		
Caliente Avenue NB				47.5	47.5
Caliente Avenue SB				46.1	46.0
Otay Mesa Road EB				45.4	45.4
Otay Mesa Road WB				45.3	45.3
SR-905 EB				59.7	59.7
SR-905 EB Off-Ramp				40.5	40.4
SR-905 EB On-Ramp				45.6	45.6
SR-905 WB				61.8	61.8

SR-905 WB Off-Ramp				52.9	52.9
SR-905 WB On-Ramp				39.3	39.3
68	1.Fl	62.3	62.3		
Caliente Avenue NB				48.4	48.4
Caliente Avenue SB				47.2	47.2
Otay Mesa Road EB				42.2	42.2
Otay Mesa Road WB				42.4	42.4
SR-905 EB				57.4	57.4
SR-905 EB Off-Ramp				42.3	42.2
SR-905 EB On-Ramp				38.9	38.9
SR-905 WB				59.1	59.1
SR-905 WB Off-Ramp				51.4	51.4
SR-905 WB On-Ramp				39.8	39.8
69	1.Fl	55.2	55.2		
Caliente Avenue NB				42.8	42.8
Caliente Avenue SB				42.1	42.1
Otay Mesa Road EB				48.5	48.5
Otay Mesa Road WB				47.6	47.6
SR-905 EB				47.4	47.4
SR-905 EB Off-Ramp				34.2	34.2
SR-905 EB On-Ramp				32.2	32.2
SR-905 WB				49.6	49.6
SR-905 WB Off-Ramp				37.5	37.5
SR-905 WB On-Ramp				40.7	40.7
70	1.Fl	57.2	57.2		
Caliente Avenue NB				46.3	46.3
Caliente Avenue SB				45.3	45.3
Otay Mesa Road EB				39.2	39.2
Otay Mesa Road WB				39.5	39.5
SR-905 EB				50.9	50.9
SR-905 EB Off-Ramp				37.2	37.2
SR-905 EB On-Ramp				33.6	33.6
SR-905 WB				54.2	54.2
SR-905 WB Off-Ramp				42.4	42.4
SR-905 WB On-Ramp				43.6	43.6
71	1.Fl	57.8	57.8		
Caliente Avenue NB				46.7	46.7
Caliente Avenue SB				45.5	45.5
Otay Mesa Road EB				39.3	39.3
Otay Mesa Road WB				39.6	39.6
SR-905 EB				52.4	52.4

SR-905 EB Off-Ramp				37.9	37.9
SR-905 EB On-Ramp				32.8	32.8
SR-905 WB				54.3	54.3
SR-905 WB Off-Ramp				43.4	43.4
SR-905 WB On-Ramp				43.4	43.4
72	1.Fl	54.7	54.7		
Caliente Avenue NB				42.3	42.3
Caliente Avenue SB				41.2	41.2
Otay Mesa Road EB				47.7	47.7
Otay Mesa Road WB				46.9	46.9
SR-905 EB				47.2	47.2
SR-905 EB Off-Ramp				34.0	34.0
SR-905 EB On-Ramp				31.7	31.7
SR-905 WB				49.3	49.3
SR-905 WB Off-Ramp				41.9	41.9
SR-905 WB On-Ramp				34.4	34.4
73	1.Fl	69.9	69.9		
Caliente Avenue NB				54.0	54.0
Caliente Avenue SB				52.0	52.0
Otay Mesa Road EB				39.4	39.4
Otay Mesa Road WB				38.8	38.8
SR-905 EB				64.9	64.9
SR-905 EB Off-Ramp				45.2	45.2
SR-905 EB On-Ramp				50.3	50.3
SR-905 WB				67.0	67.0
SR-905 WB Off-Ramp				60.7	60.7
SR-905 WB On-Ramp				44.2	44.2
74	1.Fl	71.4	66.6		
Caliente Avenue NB				57.8	53.6
Caliente Avenue SB				55.8	52.1
Otay Mesa Road EB				33.5	33.5
Otay Mesa Road WB				33.6	33.6
SR-905 EB				65.9	61.2
SR-905 EB Off-Ramp				48.2	45.2
SR-905 EB On-Ramp				50.4	46.7
SR-905 WB				68.5	63.4
SR-905 WB Off-Ramp				61.9	57.2
SR-905 WB On-Ramp				51.8	47.8
75	1.Fl	71.6	65.3		
Caliente Avenue NB				50.0	46.5
Caliente Avenue SB				48.6	45.2

Otay Mesa Road EB				36.1	36.6
Otay Mesa Road WB				36.3	36.8
SR-905 EB				66.2	60.1
SR-905 EB Off-Ramp				44.7	41.4
SR-905 EB On-Ramp				52.2	47.5
SR-905 WB				69.2	62.5
SR-905 WB Off-Ramp				62.3	56.5
SR-905 WB On-Ramp				32.7	32.4
76	1.Fl	71.8	66.5		
Caliente Avenue NB				50.3	46.8
Caliente Avenue SB				48.6	45.5
Otay Mesa Road EB				36.3	36.3
Otay Mesa Road WB				36.3	36.3
SR-905 EB				66.2	61.3
SR-905 EB Off-Ramp				44.1	41.6
SR-905 EB On-Ramp				52.3	48.5
SR-905 WB				69.3	63.7
SR-905 WB Off-Ramp				62.8	58.0
SR-905 WB On-Ramp				33.7	33.7
77	1.Fl	72.0	67.9		
Caliente Avenue NB				51.3	48.0
Caliente Avenue SB				49.7	46.5
Otay Mesa Road EB				35.8	35.8
Otay Mesa Road WB				35.9	35.9
SR-905 EB				66.4	62.7
SR-905 EB Off-Ramp				44.6	41.9
SR-905 EB On-Ramp				52.5	49.5
SR-905 WB				69.5	65.1
SR-905 WB Off-Ramp				63.4	59.1
SR-905 WB On-Ramp				34.1	34.1
78	1.Fl	71.7	67.6		
Caliente Avenue NB				46.7	44.3
Caliente Avenue SB				44.8	42.9
Otay Mesa Road EB				34.6	34.6
Otay Mesa Road WB				34.6	34.6
SR-905 EB				65.9	62.4
SR-905 EB Off-Ramp				38.9	37.0
SR-905 EB On-Ramp				52.6	49.3
SR-905 WB				69.2	64.8
SR-905 WB Off-Ramp				63.4	59.6
SR-905 WB On-Ramp				34.5	34.5

79	1.Fl	66.8	66.9		
Caliente Avenue NB				55.0	55.0
Caliente Avenue SB				53.6	53.6
Otay Mesa Road EB				36.4	36.4
Otay Mesa Road WB				36.7	36.7
SR-905 EB				61.4	61.5
SR-905 EB Off-Ramp				45.7	45.8
SR-905 EB On-Ramp				44.7	44.7
SR-905 WB				63.4	63.5
SR-905 WB Off-Ramp				57.1	57.2
SR-905 WB On-Ramp				49.9	49.9

ATTACHMENT 5

SoundPLAN Data – HVAC Noise

4135.1 California Terraces PA-61 Lot 1
SoundPLAN Data - HVAC

				Frequency spectrum [dB(A)]							Corrections		
Source name	Reference	Level		125	250	500	1	2	4	8	Cwall	CI	CT
			dB(A)	Hz	Hz	Hz	kHz	kHz	kHz	kHz	dB(A)	dB(A)	dB(A)
HVAC1	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC1		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC2	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC2		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC3	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC3		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC4	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC4		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC5	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC5		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC6	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC6		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC7	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC7		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC8	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC8		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC9	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC9		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC10	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC10		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC11	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC11		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC12	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC12		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC13	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC13		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC14	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC14		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC15	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC15		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC16	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC16		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC17	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC17		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC18	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC18		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC19	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC19		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC20	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC20		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC21	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC21		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC22	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC22		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC23	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC23		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC24	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC24		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC25	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC25		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC26	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC26		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC27	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC27		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC28	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC28		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC29	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC29		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC30	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC30		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC31	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC31		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC32	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC32		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC33	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC33		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC34	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC34		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC35	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC35		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC36	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC36		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC37	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC37		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC38	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC38		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC39	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC39		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC40	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-

HVAC40		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC41	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC41		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC42	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC42		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC43	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC43		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC44	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC44		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC45	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC45		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC46	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC46		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC47	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC47		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC48	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC48		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC49	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC49		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC50	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC50		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC51	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC51		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC52	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC52		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC53	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC53		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC54	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC54		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC55	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC55		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC56	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC56		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC57	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC57		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC58	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC58		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC59	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC59		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC60	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC60		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC61	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC61		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC62	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC62		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC63	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC63		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC64	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC64		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC65	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC65		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC66	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC66		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC67	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC67		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC68	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC68		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC69	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC69		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC70	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC70		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC71	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC71		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC72	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC72		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC73	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC73		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC74	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC74		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC75	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC75		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC76	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC76		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC77	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC77		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC78	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC78		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-
HVAC79	Lw/unit	Daytime	72	50.9	54.9	62.3	67	67.7	64	55.4	-	-	-
HVAC79		Nighttime	69	47.9	51.9	59.3	64	64.7	61	52.4	-	-	-

4135.1 California Terraces PA-61 Lot 1

SoundPLAN Data - HVAC

	Coordinates			Noise Level	
No.	X	Y	Height	Daytime	Nighttime
	(meters)		(meters)	dB(A)	
1	498829.98	3603271.87	162.86	47	44
2	498829.65	3603294.91	163.50	48	45
3	498828.65	3603315.29	163.27	48	45
4	498830.65	3603339.34	162.43	43	40
5	498829.32	3603384.10	162.59	40	37
6	498903.27	3603454.64	162.32	28	25
7	498866.76	3603459.94	162.01	30	27
8	498829.19	3603463.11	161.56	32	29
9	498768.34	3603467.34	160.75	32	29
10	498723.36	3603468.40	160.61	32	29
11	498646.10	3603391.14	162.38	26	23
12	498644.51	3603331.88	164.42	25	22
13	498423.93	3603166.27	166.09	15	12
14	498512.57	3603028.68	166.09	15	12
15	498716.30	3603105.41	163.06	23	20
16	498802.29	3603104.09	160.01	23	20
17	499032.47	3603049.85	157.05	18	15
18	499155.50	3603116.00	157.67	16	13
19	499135.66	3603449.37	159.02	18	15
20	499133.02	3603532.72	157.18	17	14

4135.1 California Terraces PA-61 Lot 1

SoundPLAN Data - HVAC

Source name						Noise Level Daytime	Nighttime
						dB(A)	
1	1.Fl	47.4	44.4	0.0	0.0		
HVAC1						-10.1	-13.1
HVAC2						-4.2	-7.2
HVAC3						-8.9	-11.9
HVAC4						-5.4	-8.4
HVAC5						-4.4	-7.4
HVAC6						-3.9	-6.9
HVAC7						-3.6	-6.6
HVAC8						-9.5	-12.5
HVAC9						-9.2	-12.2
HVAC10						-8.7	-11.7
HVAC11						-4.8	-7.8
HVAC12						-4.6	-7.6
HVAC13						-7.9	-10.9
HVAC14						-8.2	-11.2
HVAC15						-1.4	-4.4
HVAC16						-5.4	-8.4
HVAC17						-2.1	-5.1
HVAC18						-1.4	-4.4
HVAC19						-0.9	-3.9
HVAC20						-7.2	-10.2
HVAC21						1.3	-1.7
HVAC22						-0.2	-3.2
HVAC23						1.1	-1.9
HVAC24						1.3	-1.7
HVAC25						1.5	-1.5
HVAC26						-1.2	-4.2
HVAC27						-3.2	-6.2
HVAC28						-3.0	-6.0
HVAC29						0.2	-2.8
HVAC30						-2.1	-5.1
HVAC31						1.4	-1.6
HVAC32						-5.4	-8.4
HVAC33						-0.5	-3.5
HVAC34						0.0	-3.0
HVAC35						-3.3	-6.3
HVAC36						-0.9	-3.9
HVAC37						1.9	-1.1

Contributions

HVAC38	3.0	0.0
HVAC39	-5.7	-8.7
HVAC40	-2.9	-5.9
HVAC41	-2.9	-5.9
HVAC42	-1.3	-4.3
HVAC43	-1.2	-4.2
HVAC44	-3.5	-6.5
HVAC45	-2.3	-5.3
HVAC46	-4.1	-7.1
HVAC47	-1.2	-4.2
HVAC48	-1.3	-4.3
HVAC49	-4.1	-7.1
HVAC50	-3.1	-6.1
HVAC51	-2.1	-5.1
HVAC52	-4.0	-7.0
HVAC53	-4.5	-7.5
HVAC54	-0.3	-3.3
HVAC55	0.6	-2.4
HVAC56	0.7	-2.3
HVAC57	1.3	-1.7
HVAC58	1.4	-1.6
HVAC59	3.5	0.5
HVAC60	0.4	-2.6
HVAC61	28.2	25.2
HVAC62	30.1	27.1
HVAC63	27.3	24.3
HVAC64	32.3	29.3
HVAC65	13.2	10.2
HVAC66	11.2	8.2
HVAC67	36.4	33.4
HVAC68	40.7	37.7
HVAC69	40.4	37.4
HVAC70	43.7	40.7
HVAC71	13.0	10.0
HVAC72	-1.7	-4.7
HVAC73	4.4	1.4
HVAC74	3.4	0.4
HVAC75	-0.6	-3.6
HVAC76	2.0	-1.0
HVAC77	2.0	-1.0
HVAC78	2.4	-0.6

HVAC79						2.6	-0.4
2	1.Fl	47.7	44.7	0.0	0.0		
HVAC1						-9.2	-12.2
HVAC2						-3.1	-6.1
HVAC3						-5.9	-8.9
HVAC4						-4.2	-7.2
HVAC5						-3.2	-6.2
HVAC6						-2.4	-5.4
HVAC7						-3.3	-6.3
HVAC8						-8.1	-11.1
HVAC9						-6.9	-9.9
HVAC10						-4.1	-7.1
HVAC11						-4.1	-7.1
HVAC12						-3.4	-6.4
HVAC13						-6.6	-9.6
HVAC14						-5.3	-8.3
HVAC15						0.7	-2.3
HVAC16						-3.3	-6.3
HVAC17						0.2	-2.8
HVAC18						0.6	-2.4
HVAC19						-0.1	-3.1
HVAC20						-5.5	-8.5
HVAC21						4.5	1.5
HVAC22						2.3	-0.7
HVAC23						2.9	-0.1
HVAC24						4.2	1.2
HVAC25						3.9	0.9
HVAC26						-0.1	-3.1
HVAC27						0.8	-2.2
HVAC28						-1.1	-4.1
HVAC29						2.2	-0.8
HVAC30						2.2	-0.8
HVAC31						1.5	-1.5
HVAC32						-1.3	-4.3
HVAC33						1.2	-1.8
HVAC34						1.7	-1.3
HVAC35						0.0	-3.0
HVAC36						1.2	-1.8
HVAC37						3.5	0.5
HVAC38						24.4	21.4
HVAC39						-5.2	-8.2

HVAC40						-2.8	-5.8
HVAC41						-4.0	-7.0
HVAC42						-3.6	-6.6
HVAC43						-3.6	-6.6
HVAC44						-4.6	-7.6
HVAC45						7.3	4.3
HVAC46						-7.4	-10.4
HVAC47						-1.3	-4.3
HVAC48						-2.0	-5.0
HVAC49						-3.2	-6.2
HVAC50						-2.6	-5.6
HVAC51						-0.1	-3.1
HVAC52						2.6	-0.4
HVAC53						2.3	-0.7
HVAC54						10.8	7.8
HVAC55						1.3	-1.7
HVAC56						1.5	-1.5
HVAC57						4.1	1.1
HVAC58						4.4	1.4
HVAC59						12.6	9.6
HVAC60						4.1	1.1
HVAC61						33.6	30.6
HVAC62						32.0	29.0
HVAC63						33.2	30.2
HVAC64						40.2	37.2
HVAC65						34.7	31.7
HVAC66						35.1	32.1
HVAC67						43.3	40.3
HVAC68						39.3	36.3
HVAC69						34.4	31.4
HVAC70						35.6	32.6
HVAC71						5.6	2.6
HVAC72						-0.4	-3.4
HVAC73						16.5	13.5
HVAC74						19.9	16.9
HVAC75						-2.0	-5.0
HVAC76						1.1	-1.9
HVAC77						1.2	-1.8
HVAC78						2.8	-0.2
HVAC79						3.0	0.0
3	1.Fl	48.4	45.4	0.0	0.0		

HVAC1	-6.7	-9.7
HVAC2	-1.7	-4.7
HVAC3	-5.6	-8.6
HVAC4	-4.2	-7.2
HVAC5	-2.5	-5.5
HVAC6	-1.7	-4.7
HVAC7	-6.1	-9.1
HVAC8	-5.6	-8.6
HVAC9	-6.8	-9.8
HVAC10	-2.5	-5.5
HVAC11	-2.4	-5.4
HVAC12	-1.8	-4.8
HVAC13	-2.0	-5.0
HVAC14	-3.2	-6.2
HVAC15	1.9	-1.1
HVAC16	-1.2	-4.2
HVAC17	3.3	0.3
HVAC18	3.4	0.4
HVAC19	1.4	-1.6
HVAC20	-3.2	-6.2
HVAC21	8.5	5.5
HVAC22	6.4	3.4
HVAC23	6.9	3.9
HVAC24	7.5	4.5
HVAC25	6.4	3.4
HVAC26	4.1	1.1
HVAC27	2.5	-0.5
HVAC28	1.9	-1.1
HVAC29	3.3	0.3
HVAC30	3.5	0.5
HVAC31	4.0	1.0
HVAC32	0.1	-2.9
HVAC33	3.2	0.2
HVAC34	3.6	0.6
HVAC35	1.4	-1.6
HVAC36	1.9	-1.1
HVAC37	3.6	0.6
HVAC38	-0.5	-3.5
HVAC39	-3.0	-6.0
HVAC40	-1.9	-4.9
HVAC41	-3.3	-6.3

HVAC42						-3.2	-6.2
HVAC43						-3.2	-6.2
HVAC44						-1.6	-4.6
HVAC45						-0.1	-3.1
HVAC46						-6.7	-9.7
HVAC47						-1.9	-4.9
HVAC48						-1.8	-4.8
HVAC49						-3.6	-6.6
HVAC50						-3.1	-6.1
HVAC51						-0.1	-3.1
HVAC52						-2.3	-5.3
HVAC53						0.1	-2.9
HVAC54						0.5	-2.5
HVAC55						1.4	-1.6
HVAC56						1.5	-1.5
HVAC57						0.5	-2.5
HVAC58						0.7	-2.3
HVAC59						4.9	1.9
HVAC60						9.3	6.3
HVAC61						40.5	37.5
HVAC62						41.5	38.5
HVAC63						42.6	39.6
HVAC64						42.7	39.7
HVAC65						31.3	28.3
HVAC66						21.4	18.4
HVAC67						33.7	30.7
HVAC68						29.4	26.4
HVAC69						32.2	29.2
HVAC70						27.9	24.9
HVAC71						1.8	-1.2
HVAC72						-0.4	-3.4
HVAC73						3.7	0.7
HVAC74						2.9	-0.1
HVAC75						-2.5	-5.5
HVAC76						-1.4	-4.4
HVAC77						-1.2	-4.2
HVAC78						1.1	-1.9
HVAC79						2.2	-0.8
4	1.Fl	42.6	39.6	0.0	0.0		
HVAC1						-7.3	-10.3
HVAC2						-1.6	-4.6

HVAC3	-4.4	-7.4
HVAC4	-2.4	-5.4
HVAC5	-1.6	-4.6
HVAC6	-1.4	-4.4
HVAC7	1.2	-1.8
HVAC8	-5.8	-8.8
HVAC9	-3.9	-6.9
HVAC10	-4.4	-7.4
HVAC11	-5.1	-8.1
HVAC12	-1.3	-4.3
HVAC13	0.1	-2.9
HVAC14	-3.4	-6.4
HVAC15	4.2	1.2
HVAC16	5.0	2.0
HVAC17	8.4	5.4
HVAC18	26.5	23.5
HVAC19	21.8	18.8
HVAC20	0.4	-2.6
HVAC21	28.1	25.1
HVAC22	24.3	21.3
HVAC23	28.9	25.9
HVAC24	30.3	27.3
HVAC25	25.6	22.6
HVAC26	11.9	8.9
HVAC27	4.7	1.7
HVAC28	3.9	0.9
HVAC29	2.4	-0.6
HVAC30	1.5	-1.5
HVAC31	3.1	0.1
HVAC32	0.6	-2.4
HVAC33	4.3	1.3
HVAC34	4.6	1.6
HVAC35	2.0	-1.0
HVAC36	1.5	-1.5
HVAC37	3.2	0.2
HVAC38	2.8	-0.2
HVAC39	-1.3	-4.3
HVAC40	-1.3	-4.3
HVAC41	-0.4	-3.4
HVAC42	-0.5	-3.5
HVAC43	-0.2	-3.2

HVAC44						-0.4	-3.4
HVAC45						-1.7	-4.7
HVAC46						-3.3	-6.3
HVAC47						-0.3	-3.3
HVAC48						0.2	-2.8
HVAC49						-3.0	-6.0
HVAC50						-1.7	-4.7
HVAC51						-0.6	-3.6
HVAC52						-3.1	-6.1
HVAC53						0.7	-2.3
HVAC54						1.3	-1.7
HVAC55						2.0	-1.0
HVAC56						0.9	-2.1
HVAC57						3.2	0.2
HVAC58						3.3	0.3
HVAC59						3.5	0.5
HVAC60						35.8	32.8
HVAC61						28.1	25.1
HVAC62						35.0	32.0
HVAC63						35.3	32.3
HVAC64						33.1	30.1
HVAC65						6.3	3.3
HVAC66						9.2	6.2
HVAC67						27.5	24.5
HVAC68						24.4	21.4
HVAC69						24.2	21.2
HVAC70						23.7	20.7
HVAC71						-1.4	-4.4
HVAC72						6.3	3.3
HVAC73						1.1	-1.9
HVAC74						4.1	1.1
HVAC75						-4.5	-7.5
HVAC76						-3.7	-6.7
HVAC77						-3.6	-6.6
HVAC78						-2.6	-5.6
HVAC79						-2.4	-5.4
5	1.Fl	39.9	36.9	0.0	0.0		
HVAC1						-3.4	-6.4
HVAC2						0.2	-2.8
HVAC3						-1.5	-4.5
HVAC4						-0.2	-3.2

HVAC5	0.5	-2.5
HVAC6	0.5	-2.5
HVAC7	-3.3	-6.3
HVAC8	-2.7	-5.7
HVAC9	-0.9	-3.9
HVAC10	-3.2	-6.2
HVAC11	-2.0	-5.0
HVAC12	0.6	-2.4
HVAC13	0.4	-2.6
HVAC14	0.8	-2.2
HVAC15	5.0	2.0
HVAC16	3.7	0.7
HVAC17	5.0	2.0
HVAC18	5.2	2.2
HVAC19	20.0	17.0
HVAC20	10.3	7.3
HVAC21	33.4	30.4
HVAC22	32.2	29.2
HVAC23	32.3	29.3
HVAC24	33.2	30.2
HVAC25	9.6	6.6
HVAC26	27.4	24.4
HVAC27	5.5	2.5
HVAC28	18.9	15.9
HVAC29	1.7	-1.3
HVAC30	1.6	-1.4
HVAC31	-2.2	-5.2
HVAC32	5.4	2.4
HVAC33	16.8	13.8
HVAC34	7.1	4.1
HVAC35	4.1	1.1
HVAC36	3.0	0.0
HVAC37	4.0	1.0
HVAC38	0.9	-2.1
HVAC39	3.1	0.1
HVAC40	-0.5	-3.5
HVAC41	-0.7	-3.7
HVAC42	-3.7	-6.7
HVAC43	-3.5	-6.5
HVAC44	-2.0	-5.0
HVAC45	-0.2	-3.2

HVAC46						-1.3	-4.3
HVAC47						-0.9	-3.9
HVAC48						-1.1	-4.1
HVAC49						-3.4	-6.4
HVAC50						-4.7	-7.7
HVAC51						-1.1	-4.1
HVAC52						-7.6	-10.6
HVAC53						-0.8	-3.8
HVAC54						0.4	-2.6
HVAC55						0.1	-2.9
HVAC56						0.9	-2.1
HVAC57						1.9	-1.1
HVAC58						1.6	-1.4
HVAC59						1.8	-1.2
HVAC60						29.7	26.7
HVAC61						6.1	3.1
HVAC62						9.9	6.9
HVAC63						13.4	10.4
HVAC64						21.0	18.0
HVAC65						1.9	-1.1
HVAC66						3.4	0.4
HVAC67						20.2	17.2
HVAC68						16.8	13.8
HVAC69						16.8	13.8
HVAC70						19.3	16.3
HVAC71						-5.7	-8.7
HVAC72						1.1	-1.9
HVAC73						-0.7	-3.7
HVAC74						1.8	-1.2
HVAC75						-6.9	-9.9
HVAC76						-6.3	-9.3
HVAC77						-6.2	-9.2
HVAC78						-6.4	-9.4
HVAC79						-6.4	-9.4
6	1.Fl	27.8	24.8	0.0	0.0		
HVAC1						14.3	11.3
HVAC2						-4.7	-7.7
HVAC3						-6.6	-9.6
HVAC4						-9.0	-12.0
HVAC5						-5.9	-8.9
HVAC6						-6.3	-9.3

HVAC7	-8.6	-11.6
HVAC8	15.4	12.4
HVAC9	-9.9	-12.9
HVAC10	-8.0	-11.0
HVAC11	-8.0	-11.0
HVAC12	-9.7	-12.7
HVAC13	-5.8	-8.8
HVAC14	17.8	14.8
HVAC15	1.7	-1.3
HVAC16	7.1	4.1
HVAC17	7.3	4.3
HVAC18	-3.3	-6.3
HVAC19	-5.3	-8.3
HVAC20	17.4	14.4
HVAC21	13.5	10.5
HVAC22	15.5	12.5
HVAC23	17.0	14.0
HVAC24	17.2	14.2
HVAC25	11.4	8.4
HVAC26	14.1	11.1
HVAC27	-9.3	-12.3
HVAC28	-4.2	-7.2
HVAC29	-3.9	-6.9
HVAC30	-5.4	-8.4
HVAC31	-9.1	-12.1
HVAC32	-2.1	-5.1
HVAC33	-0.8	-3.8
HVAC34	-5.2	-8.2
HVAC35	-3.6	-6.6
HVAC36	-5.1	-8.1
HVAC37	-2.9	-5.9
HVAC38	-6.4	-9.4
HVAC39	-4.3	-7.3
HVAC40	-9.0	-12.0
HVAC41	-5.7	-8.7
HVAC42	-7.4	-10.4
HVAC43	-7.4	-10.4
HVAC44	-10.6	-13.6
HVAC45	-6.6	-9.6
HVAC46	-8.9	-11.9
HVAC47	-4.3	-7.3

HVAC48						-7.3	-10.3
HVAC49						-8.3	-11.3
HVAC50						-9.3	-12.3
HVAC51						-6.1	-9.1
HVAC52						-13.0	-16.0
HVAC53						-6.2	-9.2
HVAC54						-5.2	-8.2
HVAC55						-5.8	-8.8
HVAC56						-5.1	-8.1
HVAC57						-4.4	-7.4
HVAC58						-4.0	-7.0
HVAC59						-5.6	-8.6
HVAC60						17.2	14.2
HVAC61						1.5	-1.5
HVAC62						14.8	11.8
HVAC63						14.8	11.8
HVAC64						13.7	10.7
HVAC65						10.4	7.4
HVAC66						0.0	-3.0
HVAC67						11.3	8.3
HVAC68						8.3	5.3
HVAC69						12.2	9.2
HVAC70						12.9	9.9
HVAC71						-10.3	-13.3
HVAC72						-9.5	-12.5
HVAC73						-10.7	-13.7
HVAC74						-3.5	-6.5
HVAC75						-12.9	-15.9
HVAC76						-12.6	-15.6
HVAC77						-12.6	-15.6
HVAC78						-11.9	-14.9
HVAC79						-11.8	-14.8
7	1.Fl	29.7	26.7	0.0	0.0		
HVAC1						17.1	14.1
HVAC2						-1.9	-4.9
HVAC3						-3.6	-6.6
HVAC4						-5.0	-8.0
HVAC5						-2.9	-5.9
HVAC6						-4.1	-7.1
HVAC7						-8.1	-11.1
HVAC8						18.9	15.9

HVAC9	-7.0	-10.0
HVAC10	-3.5	-6.5
HVAC11	-7.1	-10.1
HVAC12	-4.4	-7.4
HVAC13	-3.5	-6.5
HVAC14	20.4	17.4
HVAC15	12.1	9.1
HVAC16	0.1	-2.9
HVAC17	2.7	-0.3
HVAC18	-0.9	-3.9
HVAC19	-7.1	-10.1
HVAC20	21.2	18.2
HVAC21	11.8	8.8
HVAC22	19.4	16.4
HVAC23	20.4	17.4
HVAC24	19.9	16.9
HVAC25	-3.9	-6.9
HVAC26	5.1	2.1
HVAC27	-4.3	-7.3
HVAC28	-3.3	-6.3
HVAC29	-3.6	-6.6
HVAC30	-3.6	-6.6
HVAC31	-8.9	-11.9
HVAC32	-5.0	-8.0
HVAC33	-1.5	-4.5
HVAC34	-0.8	-3.8
HVAC35	-2.9	-5.9
HVAC36	-4.8	-7.8
HVAC37	-1.6	-4.6
HVAC38	-4.0	-7.0
HVAC39	-2.8	-5.8
HVAC40	-7.5	-10.5
HVAC41	-4.7	-7.7
HVAC42	-5.4	-8.4
HVAC43	-5.0	-8.0
HVAC44	-7.1	-10.1
HVAC45	-6.1	-9.1
HVAC46	-6.3	-9.3
HVAC47	-3.6	-6.6
HVAC48	-5.7	-8.7
HVAC49	-5.2	-8.2

HVAC50						-6.0	-9.0
HVAC51						-4.3	-7.3
HVAC52						-12.0	-15.0
HVAC53						-6.8	-9.8
HVAC54						-5.9	-8.9
HVAC55						-5.1	-8.1
HVAC56						-4.8	-7.8
HVAC57						-3.3	-6.3
HVAC58						-2.3	-5.3
HVAC59						-2.8	-5.8
HVAC60						17.9	14.9
HVAC61						-0.8	-3.8
HVAC62						9.7	6.7
HVAC63						12.6	9.6
HVAC64						15.7	12.7
HVAC65						-4.3	-7.3
HVAC66						-1.7	-4.7
HVAC67						13.3	10.3
HVAC68						10.6	7.6
HVAC69						13.5	10.5
HVAC70						13.2	10.2
HVAC71						-10.3	-13.3
HVAC72						-5.3	-8.3
HVAC73						-7.5	-10.5
HVAC74						-4.6	-7.6
HVAC75						-11.8	-14.8
HVAC76						-11.3	-14.3
HVAC77						-11.2	-14.2
HVAC78						-11.6	-14.6
HVAC79						-11.5	-14.5
8	1.Fl	32.1	29.1	0.0	0.0		
HVAC1						20.4	17.4
HVAC2						1.0	-2.0
HVAC3						-2.0	-5.0
HVAC4						-3.8	-6.8
HVAC5						-1.5	-4.5
HVAC6						-1.7	-4.7
HVAC7						-8.4	-11.4
HVAC8						22.0	19.0
HVAC9						-3.2	-6.2
HVAC10						-1.5	-4.5

HVAC11	-2.0	-5.0
HVAC12	-5.9	-8.9
HVAC13	-2.2	-5.2
HVAC14	23.8	20.8
HVAC15	8.9	5.9
HVAC16	21.0	18.0
HVAC17	9.5	6.5
HVAC18	3.3	0.3
HVAC19	-1.9	-4.9
HVAC20	24.4	21.4
HVAC21	12.4	9.4
HVAC22	19.9	16.9
HVAC23	23.6	20.6
HVAC24	22.8	19.8
HVAC25	-2.9	-5.9
HVAC26	2.2	-0.8
HVAC27	-5.8	-8.8
HVAC28	-3.1	-6.1
HVAC29	-3.5	-6.5
HVAC30	-3.7	-6.7
HVAC31	-8.2	-11.2
HVAC32	-2.4	-5.4
HVAC33	1.7	-1.3
HVAC34	0.6	-2.4
HVAC35	0.1	-2.9
HVAC36	-0.3	-3.3
HVAC37	-0.5	-3.5
HVAC38	-4.6	-7.6
HVAC39	-0.2	-3.2
HVAC40	-6.3	-9.3
HVAC41	-3.7	-6.7
HVAC42	-4.1	-7.1
HVAC43	-4.1	-7.1
HVAC44	-6.7	-9.7
HVAC45	-6.1	-9.1
HVAC46	-6.3	-9.3
HVAC47	-2.5	-5.5
HVAC48	-2.2	-5.2
HVAC49	-4.3	-7.3
HVAC50	-5.9	-8.9
HVAC51	-3.6	-6.6

HVAC52						-10.7	-13.7
HVAC53						-6.2	-9.2
HVAC54						-5.5	-8.5
HVAC55						-4.3	-7.3
HVAC56						-4.4	-7.4
HVAC57						-4.1	-7.1
HVAC58						-4.1	-7.1
HVAC59						-2.9	-5.9
HVAC60						18.8	15.8
HVAC61						2.3	-0.7
HVAC62						-0.4	-3.4
HVAC63						2.2	-0.8
HVAC64						9.0	6.0
HVAC65						-5.3	-8.3
HVAC66						-3.8	-6.8
HVAC67						12.0	9.0
HVAC68						8.8	5.8
HVAC69						8.6	5.6
HVAC70						10.7	7.7
HVAC71						-8.2	-11.2
HVAC72						-5.6	-8.6
HVAC73						-7.4	-10.4
HVAC74						-3.4	-6.4
HVAC75						-11.3	-14.3
HVAC76						-10.9	-13.9
HVAC77						-10.9	-13.9
HVAC78						-9.6	-12.6
HVAC79						-9.2	-12.2
9	1.Fl	32.4	29.4	0.0	0.0		
HVAC1						25.2	22.2
HVAC2						7.7	4.7
HVAC3						9.4	6.4
HVAC4						8.1	5.1
HVAC5						3.9	0.9
HVAC6						2.7	-0.3
HVAC7						-5.1	-8.1
HVAC8						26.8	23.8
HVAC9						-1.1	-4.1
HVAC10						19.5	16.5
HVAC11						-0.2	-3.2
HVAC12						-1.1	-4.1

HVAC13	-1.8	-4.8
HVAC14	25.2	22.2
HVAC15	0.3	-2.7
HVAC16	0.8	-2.2
HVAC17	2.0	-1.0
HVAC18	3.0	0.0
HVAC19	-1.7	-4.7
HVAC20	24.7	21.7
HVAC21	-1.6	-4.6
HVAC22	-1.7	-4.7
HVAC23	-2.5	-5.5
HVAC24	-3.5	-6.5
HVAC25	-1.4	-4.4
HVAC26	19.5	16.5
HVAC27	9.6	6.6
HVAC28	-1.9	-4.9
HVAC29	-1.2	-4.2
HVAC30	-1.2	-4.2
HVAC31	7.7	4.7
HVAC32	17.1	14.1
HVAC33	-1.2	-4.2
HVAC34	-2.1	-5.1
HVAC35	-1.4	-4.4
HVAC36	-1.4	-4.4
HVAC37	0.1	-2.9
HVAC38	-4.0	-7.0
HVAC39	-0.4	-3.4
HVAC40	-3.7	-6.7
HVAC41	-5.0	-8.0
HVAC42	-5.2	-8.2
HVAC43	-5.3	-8.3
HVAC44	-3.1	-6.1
HVAC45	-3.9	-6.9
HVAC46	-5.6	-8.6
HVAC47	0.5	-2.5
HVAC48	-0.7	-3.7
HVAC49	-1.0	-4.0
HVAC50	-1.2	-4.2
HVAC51	-0.4	-3.4
HVAC52	-9.0	-12.0
HVAC53	-4.8	-7.8

HVAC54						-2.1	-5.1
HVAC55						3.8	0.8
HVAC56						3.7	0.7
HVAC57						-3.5	-6.5
HVAC58						-3.4	-6.4
HVAC59						1.3	-1.7
HVAC60						1.4	-1.6
HVAC61						-7.0	-10.0
HVAC62						-7.2	-10.2
HVAC63						-8.2	-11.2
HVAC64						-6.1	-9.1
HVAC65						-6.0	-9.0
HVAC66						-5.0	-8.0
HVAC67						-10.0	-13.0
HVAC68						-10.5	-13.5
HVAC69						-10.8	-13.8
HVAC70						-9.0	-12.0
HVAC71						-11.6	-14.6
HVAC72						-2.5	-5.5
HVAC73						-5.7	-8.7
HVAC74						-3.8	-6.8
HVAC75						-11.0	-14.0
HVAC76						-11.1	-14.1
HVAC77						-11.1	-14.1
HVAC78						-10.7	-13.7
HVAC79						-9.1	-12.1
10	1.Fl	32.3	29.3	0.0	0.0		
HVAC1						27.5	24.5
HVAC2						0.6	-2.4
HVAC3						1.2	-1.8
HVAC4						1.4	-1.6
HVAC5						2.5	-0.5
HVAC6						3.3	0.3
HVAC7						-2.3	-5.3
HVAC8						27.2	24.2
HVAC9						9.3	6.3
HVAC10						6.2	3.2
HVAC11						6.7	3.7
HVAC12						12.6	9.6
HVAC13						20.1	17.1
HVAC14						23.4	20.4

HVAC15	-2.4	-5.4
HVAC16	-2.3	-5.3
HVAC17	13.8	10.8
HVAC18	0.3	-2.7
HVAC19	-1.9	-4.9
HVAC20	21.5	18.5
HVAC21	-2.9	-5.9
HVAC22	-3.1	-6.1
HVAC23	-3.1	-6.1
HVAC24	-3.9	-6.9
HVAC25	-2.2	-5.2
HVAC26	0.8	-2.2
HVAC27	-0.6	-3.6
HVAC28	-0.8	-3.8
HVAC29	-0.9	-3.9
HVAC30	-1.6	-4.6
HVAC31	-0.3	-3.3
HVAC32	1.0	-2.0
HVAC33	-6.2	-9.2
HVAC34	-3.2	-6.2
HVAC35	-5.6	-8.6
HVAC36	-4.7	-7.7
HVAC37	-2.9	-5.9
HVAC38	-4.6	-7.6
HVAC39	4.1	1.1
HVAC40	12.0	9.0
HVAC41	10.4	7.4
HVAC42	10.3	7.3
HVAC43	10.5	7.5
HVAC44	10.0	7.0
HVAC45	-4.5	-7.5
HVAC46	-1.0	-4.0
HVAC47	-1.8	-4.8
HVAC48	-3.1	-6.1
HVAC49	-2.8	-5.8
HVAC50	-2.7	-5.7
HVAC51	-1.3	-4.3
HVAC52	-8.5	-11.5
HVAC53	-3.7	-6.7
HVAC54	-3.0	-6.0
HVAC55	-3.3	-6.3

HVAC56						-3.0	-6.0
HVAC57						-3.9	-6.9
HVAC58						-3.9	-6.9
HVAC59						-2.3	-5.3
HVAC60						-2.1	-5.1
HVAC61						-9.7	-12.7
HVAC62						-10.0	-13.0
HVAC63						-8.9	-11.9
HVAC64						-10.3	-13.3
HVAC65						-7.2	-10.2
HVAC66						-6.5	-9.5
HVAC67						-11.4	-14.4
HVAC68						-11.8	-14.8
HVAC69						-10.6	-13.6
HVAC70						-12.0	-15.0
HVAC71						-12.2	-15.2
HVAC72						-1.1	-4.1
HVAC73						-4.5	-7.5
HVAC74						-4.5	-7.5
HVAC75						-11.2	-14.2
HVAC76						-11.4	-14.4
HVAC77						-11.4	-14.4
HVAC78						-9.8	-12.8
HVAC79						-9.7	-12.7
11	1.Fl	26.2	23.2	0.0	0.0		
HVAC1						12.4	9.4
HVAC2						1.5	-1.5
HVAC3						1.4	-1.6
HVAC4						-0.1	-3.1
HVAC5						2.3	-0.7
HVAC6						2.1	-0.9
HVAC7						5.4	2.4
HVAC8						0.2	-2.8
HVAC9						1.7	-1.3
HVAC10						2.1	-0.9
HVAC11						1.7	-1.3
HVAC12						2.3	-0.7
HVAC13						2.3	-0.7
HVAC14						-3.7	-6.7
HVAC15						-4.6	-7.6
HVAC16						-2.6	-5.6

HVAC17	-4.6	-7.6
HVAC18	-3.0	-6.0
HVAC19	-2.3	-5.3
HVAC20	-6.2	-9.2
HVAC21	-8.7	-11.7
HVAC22	-8.6	-11.6
HVAC23	-8.7	-11.7
HVAC24	-6.5	-9.5
HVAC25	-6.4	-9.4
HVAC26	-0.7	-3.7
HVAC27	-3.2	-6.2
HVAC28	-3.1	-6.1
HVAC29	-3.0	-6.0
HVAC30	-4.4	-7.4
HVAC31	-4.1	-7.1
HVAC32	3.2	0.2
HVAC33	-2.4	-5.4
HVAC34	-4.4	-7.4
HVAC35	-3.1	-6.1
HVAC36	-4.5	-7.5
HVAC37	-5.6	-8.6
HVAC38	-3.4	-6.4
HVAC39	13.6	10.6
HVAC40	21.5	18.5
HVAC41	3.3	0.3
HVAC42	1.6	-1.4
HVAC43	0.7	-2.3
HVAC44	1.4	-1.6
HVAC45	-4.2	-7.2
HVAC46	21.3	18.3
HVAC47	17.0	14.0
HVAC48	1.9	-1.1
HVAC49	0.3	-2.7
HVAC50	0.2	-2.8
HVAC51	-2.2	-5.2
HVAC52	-1.0	-4.0
HVAC53	-0.1	-3.1
HVAC54	-1.8	-4.8
HVAC55	-1.3	-4.3
HVAC56	-2.1	-5.1
HVAC57	-1.0	-4.0

HVAC58						-1.6	-4.6
HVAC59						-2.3	-5.3
HVAC60						-4.7	-7.7
HVAC61						-8.0	-11.0
HVAC62						-7.9	-10.9
HVAC63						-7.9	-10.9
HVAC64						-11.0	-14.0
HVAC65						-10.6	-13.6
HVAC66						-5.1	-8.1
HVAC67						-11.6	-14.6
HVAC68						-11.7	-14.7
HVAC69						-11.8	-14.8
HVAC70						-12.0	-15.0
HVAC71						-11.9	-14.9
HVAC72						1.1	-1.9
HVAC73						-2.2	-5.2
HVAC74						-2.0	-5.0
HVAC75						-7.7	-10.7
HVAC76						-9.2	-12.2
HVAC77						-9.3	-12.3
HVAC78						-7.4	-10.4
HVAC79						-7.4	-10.4
12	1.Fl	25.1	22.1	0.0	0.0		
HVAC1						0.6	-2.4
HVAC2						-1.3	-4.3
HVAC3						-1.8	-4.8
HVAC4						0.9	-2.1
HVAC5						1.0	-2.0
HVAC6						19.7	16.7
HVAC7						20.7	17.7
HVAC8						-5.9	-8.9
HVAC9						1.2	-1.8
HVAC10						0.7	-2.3
HVAC11						0.9	-2.1
HVAC12						2.4	-0.6
HVAC13						10.6	7.6
HVAC14						-6.5	-9.5
HVAC15						-3.0	-6.0
HVAC16						-5.1	-8.1
HVAC17						-3.2	-6.2
HVAC18						-6.1	-9.1

HVAC19	2.3	-0.7
HVAC20	-9.5	-12.5
HVAC21	-9.5	-12.5
HVAC22	-9.4	-12.4
HVAC23	-9.3	-12.3
HVAC24	-9.2	-12.2
HVAC25	-1.3	-4.3
HVAC26	-6.9	-9.9
HVAC27	-4.2	-7.2
HVAC28	-4.2	-7.2
HVAC29	-2.5	-5.5
HVAC30	-4.0	-7.0
HVAC31	-2.9	-5.9
HVAC32	-2.8	-5.8
HVAC33	-4.0	-7.0
HVAC34	-4.0	-7.0
HVAC35	-3.7	-6.7
HVAC36	-3.7	-6.7
HVAC37	-2.9	-5.9
HVAC38	-0.7	-3.7
HVAC39	-1.8	-4.8
HVAC40	1.9	-1.1
HVAC41	1.9	-1.1
HVAC42	2.0	-1.0
HVAC43	1.5	-1.5
HVAC44	2.0	-1.0
HVAC45	0.2	-2.8
HVAC46	8.3	5.3
HVAC47	1.9	-1.1
HVAC48	1.8	-1.2
HVAC49	0.1	-2.9
HVAC50	1.0	-2.0
HVAC51	2.0	-1.0
HVAC52	11.1	8.1
HVAC53	9.6	6.6
HVAC54	6.9	3.9
HVAC55	4.5	1.5
HVAC56	4.2	1.2
HVAC57	2.5	-0.5
HVAC58	2.3	-0.7
HVAC59	0.8	-2.2

HVAC60						-7.9	-10.9
HVAC61						-9.8	-12.8
HVAC62						-10.1	-13.1
HVAC63						-10.1	-13.1
HVAC64						-6.6	-9.6
HVAC65						-0.4	-3.4
HVAC66						-5.9	-8.9
HVAC67						-10.5	-13.5
HVAC68						-10.5	-13.5
HVAC69						-10.4	-13.4
HVAC70						-10.6	-13.6
HVAC71						-8.8	-11.8
HVAC72						9.0	6.0
HVAC73						-5.0	-8.0
HVAC74						2.1	-0.9
HVAC75						4.9	1.9
HVAC76						-4.2	-7.2
HVAC77						-4.3	-7.3
HVAC78						-5.4	-8.4
HVAC79						-5.5	-8.5
13	1.Fl	14.6	11.6	0.0	0.0		
HVAC1						-13.6	-16.6
HVAC2						-16.8	-19.8
HVAC3						-10.3	-13.3
HVAC4						-10.2	-13.2
HVAC5						-7.6	-10.6
HVAC6						-17.6	-20.6
HVAC7						5.6	2.6
HVAC8						-17.4	-20.4
HVAC9						-10.2	-13.2
HVAC10						-12.9	-15.9
HVAC11						-10.9	-13.9
HVAC12						-10.9	-13.9
HVAC13						-7.1	-10.1
HVAC14						-17.6	-20.6
HVAC15						-11.3	-14.3
HVAC16						-11.4	-14.4
HVAC17						-8.7	-11.7
HVAC18						-19.0	-22.0
HVAC19						-12.9	-15.9
HVAC20						-19.9	-22.9

HVAC21	-19.9	-22.9
HVAC22	-19.8	-22.8
HVAC23	-19.7	-22.7
HVAC24	-19.6	-22.6
HVAC25	-12.4	-15.4
HVAC26	-19.1	-22.1
HVAC27	-14.1	-17.1
HVAC28	-12.9	-15.9
HVAC29	-12.6	-15.6
HVAC30	-11.0	-14.0
HVAC31	-14.0	-17.0
HVAC32	-14.5	-17.5
HVAC33	-13.3	-16.3
HVAC34	-11.7	-14.7
HVAC35	-14.3	-17.3
HVAC36	-14.3	-17.3
HVAC37	-15.2	-18.2
HVAC38	-11.7	-14.7
HVAC39	-15.6	-18.6
HVAC40	-10.9	-13.9
HVAC41	-10.4	-13.4
HVAC42	-11.7	-14.7
HVAC43	-10.2	-13.2
HVAC44	-11.7	-14.7
HVAC45	4.3	1.3
HVAC46	-14.0	-17.0
HVAC47	-10.5	-13.5
HVAC48	-12.7	-15.7
HVAC49	-10.3	-13.3
HVAC50	-10.3	-13.3
HVAC51	-10.5	-13.5
HVAC52	6.8	3.8
HVAC53	-12.7	-15.7
HVAC54	-17.1	-20.1
HVAC55	-13.5	-16.5
HVAC56	-13.5	-16.5
HVAC57	-17.9	-20.9
HVAC58	-17.9	-20.9
HVAC59	-15.9	-18.9
HVAC60	-19.6	-22.6
HVAC61	-19.6	-22.6

HVAC62						-19.5	-22.5
HVAC63						-19.5	-22.5
HVAC64						-19.5	-22.5
HVAC65						-9.4	-12.4
HVAC66						-16.2	-19.2
HVAC67						-19.3	-22.3
HVAC68						-19.0	-22.0
HVAC69						-19.0	-22.0
HVAC70						-18.9	-21.9
HVAC71						2.4	-0.6
HVAC72						-11.5	-14.5
HVAC73						-13.4	-16.4
HVAC74						-18.3	-21.3
HVAC75						5.5	2.5
HVAC76						1.5	-1.5
HVAC77						3.6	0.6
HVAC78						3.9	0.9
HVAC79						4.5	1.5
14	1.Fl	14.6	11.6	0.0	0.0		
HVAC1						-19.6	-22.6
HVAC2						-14.5	-17.5
HVAC3						-8.7	-11.7
HVAC4						-8.7	-11.7
HVAC5						-19.1	-22.1
HVAC6						-18.9	-21.9
HVAC7						-10.6	-13.6
HVAC8						-18.2	-21.2
HVAC9						-9.0	-12.0
HVAC10						-14.8	-17.8
HVAC11						-12.2	-15.2
HVAC12						-8.7	-11.7
HVAC13						-9.2	-12.2
HVAC14						-20.2	-23.2
HVAC15						-10.9	-13.9
HVAC16						-19.9	-22.9
HVAC17						-19.8	-22.8
HVAC18						-19.7	-22.7
HVAC19						-10.1	-13.1
HVAC20						-20.6	-23.6
HVAC21						-20.5	-23.5
HVAC22						-20.3	-23.3

HVAC23	-20.2	-23.2
HVAC24	-20.1	-23.1
HVAC25	-13.1	-16.1
HVAC26	-19.6	-22.6
HVAC27	-11.0	-14.0
HVAC28	-12.2	-15.2
HVAC29	-13.5	-16.5
HVAC30	-11.9	-14.9
HVAC31	-16.1	-19.1
HVAC32	-19.1	-22.1
HVAC33	-18.3	-21.3
HVAC34	-19.0	-22.0
HVAC35	-18.8	-21.8
HVAC36	-18.7	-21.7
HVAC37	-16.7	-19.7
HVAC38	-13.1	-16.1
HVAC39	-16.5	-19.5
HVAC40	-8.7	-11.7
HVAC41	-9.1	-12.1
HVAC42	-13.3	-16.3
HVAC43	-11.1	-14.1
HVAC44	-13.0	-16.0
HVAC45	-0.2	-3.2
HVAC46	-16.5	-19.5
HVAC47	-18.2	-21.2
HVAC48	-14.3	-17.3
HVAC49	-0.8	-3.8
HVAC50	-0.8	-3.8
HVAC51	-17.5	-20.5
HVAC52	2.2	-0.8
HVAC53	-0.4	-3.4
HVAC54	-0.2	-3.2
HVAC55	-14.3	-17.3
HVAC56	-17.8	-20.8
HVAC57	-13.1	-16.1
HVAC58	-13.1	-16.1
HVAC59	-14.5	-17.5
HVAC60	-19.6	-22.6
HVAC61	-19.7	-22.7
HVAC62	-19.5	-22.5
HVAC63	-19.4	-22.4

HVAC64						-19.3	-22.3
HVAC65						-7.6	-10.6
HVAC66						-18.6	-21.6
HVAC67						-18.9	-21.9
HVAC68						-18.7	-21.7
HVAC69						-16.3	-19.3
HVAC70						-18.4	-21.4
HVAC71						5.0	2.0
HVAC72						-13.8	-16.8
HVAC73						-15.4	-18.4
HVAC74						-15.2	-18.2
HVAC75						4.3	1.3
HVAC76						5.7	2.7
HVAC77						5.6	2.6
HVAC78						5.3	2.3
HVAC79						5.2	2.2
15	1.Fl	22.5	19.5	0.0	0.0		
HVAC1						-16.0	-19.0
HVAC2						-10.2	-13.2
HVAC3						-14.8	-17.8
HVAC4						-15.0	-18.0
HVAC5						-12.8	-15.8
HVAC6						4.8	1.8
HVAC7						-9.7	-12.7
HVAC8						-16.0	-19.0
HVAC9						-7.1	-10.1
HVAC10						-8.8	-11.8
HVAC11						-8.8	-11.8
HVAC12						-6.8	-9.8
HVAC13						1.6	-1.4
HVAC14						-15.9	-18.9
HVAC15						-12.9	-15.9
HVAC16						-15.1	-18.1
HVAC17						-14.9	-17.9
HVAC18						-14.6	-17.6
HVAC19						-9.6	-12.6
HVAC20						-16.1	-19.1
HVAC21						-15.7	-18.7
HVAC22						-14.5	-17.5
HVAC23						-14.2	-17.2
HVAC24						-13.6	-16.6

HVAC25	-9.3	-12.3
HVAC26	-14.3	-17.3
HVAC27	-6.9	-9.9
HVAC28	-7.5	-10.5
HVAC29	-12.4	-15.4
HVAC30	-10.6	-13.6
HVAC31	-8.1	-11.1
HVAC32	-12.5	-15.5
HVAC33	-12.2	-15.2
HVAC34	-10.5	-13.5
HVAC35	-13.2	-16.2
HVAC36	-13.1	-16.1
HVAC37	-12.7	-15.7
HVAC38	-7.9	-10.9
HVAC39	-9.6	-12.6
HVAC40	-8.2	-11.2
HVAC41	-8.8	-11.8
HVAC42	-11.1	-14.1
HVAC43	-11.3	-14.3
HVAC44	-12.2	-15.2
HVAC45	-9.0	-12.0
HVAC46	-11.7	-14.7
HVAC47	-8.8	-11.8
HVAC48	-9.2	-12.2
HVAC49	-11.0	-14.0
HVAC50	-11.3	-14.3
HVAC51	-12.2	-15.2
HVAC52	8.9	5.9
HVAC53	-7.7	-10.7
HVAC54	-8.9	-11.9
HVAC55	-11.7	-14.7
HVAC56	-11.7	-14.7
HVAC57	-7.7	-10.7
HVAC58	-7.8	-10.8
HVAC59	-12.2	-15.2
HVAC60	-11.8	-14.8
HVAC61	-12.5	-15.5
HVAC62	-13.0	-16.0
HVAC63	-12.8	-15.8
HVAC64	-12.4	-15.4
HVAC65	0.2	-2.8

HVAC66						6.9	3.9
HVAC67						-11.3	-14.3
HVAC68						-11.0	-14.0
HVAC69						-10.9	-13.9
HVAC70						-10.4	-13.4
HVAC71						16.5	13.5
HVAC72						-9.8	-12.8
HVAC73						7.0	4.0
HVAC74						-9.4	-12.4
HVAC75						13.4	10.4
HVAC76						13.2	10.2
HVAC77						13.1	10.1
HVAC78						13.3	10.3
HVAC79						13.3	10.3
16	1.Fl	22.9	19.9	0.0	0.0		
HVAC1						-16.4	-19.4
HVAC2						-8.6	-11.6
HVAC3						-8.8	-11.8
HVAC4						-8.8	-11.8
HVAC5						-10.3	-13.3
HVAC6						-7.6	-10.6
HVAC7						-6.3	-9.3
HVAC8						-16.3	-19.3
HVAC9						-13.3	-16.3
HVAC10						-15.6	-18.6
HVAC11						-14.5	-17.5
HVAC12						-15.2	-18.2
HVAC13						-14.9	-17.9
HVAC14						-15.9	-18.9
HVAC15						-6.0	-9.0
HVAC16						-8.8	-11.8
HVAC17						-8.7	-11.7
HVAC18						-7.9	-10.9
HVAC19						-9.8	-12.8
HVAC20						-15.8	-18.8
HVAC21						-10.1	-13.1
HVAC22						-10.6	-13.6
HVAC23						-10.4	-13.4
HVAC24						6.5	3.5
HVAC25						-9.4	-12.4
HVAC26						-11.8	-14.8

HVAC27	-11.5	-14.5
HVAC28	-11.5	-14.5
HVAC29	-13.0	-16.0
HVAC30	-12.9	-15.9
HVAC31	-12.6	-15.6
HVAC32	-12.1	-15.1
HVAC33	-6.0	-9.0
HVAC34	-10.0	-13.0
HVAC35	-9.8	-12.8
HVAC36	-9.8	-12.8
HVAC37	-10.0	-13.0
HVAC38	-8.0	-11.0
HVAC39	-11.4	-14.4
HVAC40	-14.1	-17.1
HVAC41	-12.7	-15.7
HVAC42	-13.4	-16.4
HVAC43	-13.4	-16.4
HVAC44	-13.0	-16.0
HVAC45	-9.5	-12.5
HVAC46	-11.0	-14.0
HVAC47	-7.5	-10.5
HVAC48	-6.2	-9.2
HVAC49	-5.9	-8.9
HVAC50	-5.7	-8.7
HVAC51	-9.2	-12.2
HVAC52	8.1	5.1
HVAC53	-9.0	-12.0
HVAC54	-9.4	-12.4
HVAC55	-12.1	-15.1
HVAC56	-8.1	-11.1
HVAC57	-7.8	-10.8
HVAC58	-8.2	-11.2
HVAC59	-11.9	-14.9
HVAC60	-13.4	-16.4
HVAC61	-9.8	-12.8
HVAC62	-9.7	-12.7
HVAC63	-9.4	-12.4
HVAC64	-6.4	-9.4
HVAC65	-6.9	-9.9
HVAC66	-8.0	-11.0
HVAC67	-4.2	-7.2

HVAC68						-6.2	-9.2
HVAC69						-7.7	-10.7
HVAC70						-8.0	-11.0
HVAC71						17.6	14.6
HVAC72						-7.3	-10.3
HVAC73						9.8	6.8
HVAC74						-8.5	-11.5
HVAC75						13.2	10.2
HVAC76						13.3	10.3
HVAC77						13.3	10.3
HVAC78						13.6	10.6
HVAC79						13.7	10.7
17	1.Fl	18.3	15.3	0.0	0.0		
HVAC1						-20.9	-23.9
HVAC2						-12.4	-15.4
HVAC3						-16.5	-19.5
HVAC4						-14.5	-17.5
HVAC5						-12.2	-15.2
HVAC6						-12.9	-15.9
HVAC7						-14.8	-17.8
HVAC8						-20.5	-23.5
HVAC9						-20.4	-23.4
HVAC10						-20.2	-23.2
HVAC11						-12.1	-15.1
HVAC12						-13.0	-16.0
HVAC13						-13.3	-16.3
HVAC14						-20.0	-23.0
HVAC15						-11.2	-14.2
HVAC16						-11.3	-14.3
HVAC17						-10.5	-13.5
HVAC18						-12.2	-15.2
HVAC19						-13.8	-16.8
HVAC20						-19.3	-22.3
HVAC21						5.1	2.1
HVAC22						0.0	-3.0
HVAC23						0.4	-2.6
HVAC24						0.9	-2.1
HVAC25						-8.6	-11.6
HVAC26						-11.3	-14.3
HVAC27						-18.7	-21.7
HVAC28						-13.8	-16.8

HVAC29	-18.3	-21.3
HVAC30	-18.3	-21.3
HVAC31	-18.1	-21.1
HVAC32	-19.2	-22.2
HVAC33	-12.7	-15.7
HVAC34	-12.3	-15.3
HVAC35	-16.2	-19.2
HVAC36	-14.0	-17.0
HVAC37	-14.2	-17.2
HVAC38	-13.6	-16.6
HVAC39	-19.5	-22.5
HVAC40	-19.6	-22.6
HVAC41	-18.2	-21.2
HVAC42	-19.2	-22.2
HVAC43	-19.2	-22.2
HVAC44	-19.0	-22.0
HVAC45	-15.7	-18.7
HVAC46	-15.3	-18.3
HVAC47	-13.8	-16.8
HVAC48	-11.5	-14.5
HVAC49	-16.9	-19.9
HVAC50	-14.7	-17.7
HVAC51	-15.1	-18.1
HVAC52	-13.4	-16.4
HVAC53	-15.3	-18.3
HVAC54	-18.6	-21.6
HVAC55	-13.7	-16.7
HVAC56	-18.3	-21.3
HVAC57	-18.1	-21.1
HVAC58	-18.1	-21.1
HVAC59	-13.6	-16.6
HVAC60	-17.6	-20.6
HVAC61	6.9	3.9
HVAC62	1.9	-1.1
HVAC63	6.2	3.2
HVAC64	6.4	3.4
HVAC65	3.2	0.2
HVAC66	3.9	0.9
HVAC67	6.9	3.9
HVAC68	7.0	4.0
HVAC69	5.6	2.6

HVAC70						-1.9	-4.9
HVAC71						7.6	4.6
HVAC72						-14.5	-17.5
HVAC73						-10.8	-13.8
HVAC74						-12.6	-15.6
HVAC75						5.8	2.8
HVAC76						5.9	2.9
HVAC77						4.4	1.4
HVAC78						6.3	3.3
HVAC79						6.3	3.3
18	1.Fl	16.3	13.3	0.0	0.0		
HVAC1						-21.9	-24.9
HVAC2						-14.9	-17.9
HVAC3						-19.3	-22.3
HVAC4						-16.6	-19.6
HVAC5						-15.4	-18.4
HVAC6						-11.6	-14.6
HVAC7						-18.1	-21.1
HVAC8						-21.5	-24.5
HVAC9						-20.2	-23.2
HVAC10						-14.1	-17.1
HVAC11						-14.1	-17.1
HVAC12						-11.8	-14.8
HVAC13						-21.2	-24.2
HVAC14						-21.0	-24.0
HVAC15						-13.6	-16.6
HVAC16						-16.1	-19.1
HVAC17						-12.2	-15.2
HVAC18						-0.4	-3.4
HVAC19						-17.1	-20.1
HVAC20						-20.2	-23.2
HVAC21						4.1	1.1
HVAC22						-0.9	-3.9
HVAC23						3.2	0.2
HVAC24						3.3	0.3
HVAC25						-0.5	-3.5
HVAC26						-19.9	-22.9
HVAC27						-13.9	-16.9
HVAC28						-19.9	-22.9
HVAC29						-13.6	-16.6
HVAC30						-13.9	-16.9

HVAC31	-15.1	-18.1
HVAC32	-20.5	-23.5
HVAC33	-14.6	-17.6
HVAC34	-14.1	-17.1
HVAC35	-17.1	-20.1
HVAC36	-14.9	-17.9
HVAC37	-14.7	-17.7
HVAC38	-14.7	-17.7
HVAC39	-20.9	-23.9
HVAC40	-14.9	-17.9
HVAC41	-19.6	-22.6
HVAC42	-14.9	-17.9
HVAC43	-15.0	-18.0
HVAC44	-20.7	-23.7
HVAC45	-17.7	-20.7
HVAC46	-21.4	-24.4
HVAC47	-15.5	-18.5
HVAC48	-15.1	-18.1
HVAC49	-18.2	-21.2
HVAC50	-16.0	-19.0
HVAC51	-16.0	-19.0
HVAC52	-15.8	-18.8
HVAC53	-20.4	-23.4
HVAC54	-18.4	-21.4
HVAC55	-18.2	-21.2
HVAC56	-18.9	-21.9
HVAC57	-19.7	-22.7
HVAC58	-19.7	-22.7
HVAC59	-13.3	-16.3
HVAC60	-18.9	-21.9
HVAC61	4.4	1.4
HVAC62	3.0	0.0
HVAC63	4.6	1.6
HVAC64	4.8	1.8
HVAC65	0.5	-2.5
HVAC66	-18.2	-21.2
HVAC67	3.5	0.5
HVAC68	5.1	2.1
HVAC69	3.6	0.6
HVAC70	5.3	2.3
HVAC71	5.3	2.3

HVAC72						-11.4	-14.4
HVAC73						-8.4	-11.4
HVAC74						-15.0	-18.0
HVAC75						3.6	0.6
HVAC76						2.2	-0.8
HVAC77						0.1	-2.9
HVAC78						-10.4	-13.4
HVAC79						-10.7	-13.7
19	1.Fl	17.8	14.8	0.0	0.0		
HVAC1						-0.2	-3.2
HVAC2						-13.0	-16.0
HVAC3						-17.8	-20.8
HVAC4						-17.8	-20.8
HVAC5						-13.7	-16.7
HVAC6						-14.2	-17.2
HVAC7						-19.6	-22.6
HVAC8						0.4	-2.6
HVAC9						-12.1	-15.1
HVAC10						-15.7	-18.7
HVAC11						-15.8	-18.8
HVAC12						-12.2	-15.2
HVAC13						-12.9	-15.9
HVAC14						4.5	1.5
HVAC15						-12.2	-15.2
HVAC16						-13.5	-16.5
HVAC17						-11.9	-14.9
HVAC18						-12.2	-15.2
HVAC19						-18.3	-21.3
HVAC20						2.0	-1.0
HVAC21						6.1	3.1
HVAC22						4.4	1.4
HVAC23						4.5	1.5
HVAC24						6.0	3.0
HVAC25						-17.2	-20.2
HVAC26						1.4	-1.6
HVAC27						-0.3	-3.3
HVAC28						-12.2	-15.2
HVAC29						-14.6	-17.6
HVAC30						-14.5	-17.5
HVAC31						-18.2	-21.2
HVAC32						0.6	-2.4

HVAC33	-12.4	-15.4
HVAC34	-13.0	-16.0
HVAC35	-13.3	-16.3
HVAC36	-14.3	-17.3
HVAC37	-12.9	-15.9
HVAC38	-11.4	-14.4
HVAC39	-10.7	-13.7
HVAC40	-13.7	-16.7
HVAC41	-14.5	-17.5
HVAC42	-17.6	-20.6
HVAC43	-15.8	-18.8
HVAC44	-17.6	-20.6
HVAC45	-19.4	-22.4
HVAC46	-10.9	-13.9
HVAC47	-14.6	-17.6
HVAC48	-14.2	-17.2
HVAC49	-14.8	-17.8
HVAC50	-17.1	-20.1
HVAC51	-13.9	-16.9
HVAC52	-20.0	-23.0
HVAC53	-12.0	-15.0
HVAC54	-12.0	-15.0
HVAC55	-10.4	-13.4
HVAC56	-11.1	-14.1
HVAC57	-12.4	-15.4
HVAC58	-14.6	-17.6
HVAC59	-11.9	-14.9
HVAC60	7.1	4.1
HVAC61	6.2	3.2
HVAC62	4.5	1.5
HVAC63	4.5	1.5
HVAC64	6.0	3.0
HVAC65	-17.3	-20.3
HVAC66	1.9	-1.1
HVAC67	5.8	2.8
HVAC68	5.6	2.6
HVAC69	4.0	1.0
HVAC70	5.4	2.4
HVAC71	-17.9	-20.9
HVAC72	-17.9	-20.9
HVAC73	-18.2	-21.2

HVAC74						-9.5	-12.5
HVAC75						-19.3	-22.3
HVAC76						-19.1	-22.1
HVAC77						-19.1	-22.1
HVAC78						-18.8	-21.8
HVAC79						-18.8	-21.8
20	1.Fl	16.7	13.7	0.0	0.0		
HVAC1						3.2	0.2
HVAC2						-15.0	-18.0
HVAC3						-16.0	-19.0
HVAC4						-18.6	-21.6
HVAC5						-14.5	-17.5
HVAC6						-14.8	-17.8
HVAC7						-20.2	-23.2
HVAC8						3.8	0.8
HVAC9						-19.5	-22.5
HVAC10						-18.0	-21.0
HVAC11						-18.0	-21.0
HVAC12						-18.8	-21.8
HVAC13						-14.0	-17.0
HVAC14						4.5	1.5
HVAC15						-12.9	-15.9
HVAC16						-15.1	-18.1
HVAC17						-13.5	-16.5
HVAC18						-13.7	-16.7
HVAC19						-19.1	-22.1
HVAC20						3.6	0.6
HVAC21						5.3	2.3
HVAC22						3.6	0.6
HVAC23						3.6	0.6
HVAC24						4.0	1.0
HVAC25						-18.4	-21.4
HVAC26						0.5	-2.5
HVAC27						-12.7	-15.7
HVAC28						-13.7	-16.7
HVAC29						-14.0	-17.0
HVAC30						-18.9	-21.9
HVAC31						-17.7	-20.7
HVAC32						-11.5	-14.5
HVAC33						2.1	-0.9
HVAC34						-14.4	-17.4

HVAC35	-15.3	-18.3
HVAC36	-16.1	-19.1
HVAC37	-12.7	-15.7
HVAC38	-19.7	-22.7
HVAC39	-13.8	-16.8
HVAC40	-13.6	-16.6
HVAC41	-14.7	-17.7
HVAC42	-15.2	-18.2
HVAC43	-20.1	-23.1
HVAC44	-19.3	-22.3
HVAC45	-18.0	-21.0
HVAC46	-16.9	-19.9
HVAC47	-13.5	-16.5
HVAC48	-15.4	-18.4
HVAC49	-16.3	-19.3
HVAC50	-18.3	-21.3
HVAC51	-15.2	-18.2
HVAC52	-20.8	-23.8
HVAC53	-11.7	-14.7
HVAC54	-12.4	-15.4
HVAC55	-12.7	-15.7
HVAC56	-12.6	-15.6
HVAC57	-13.8	-16.8
HVAC58	-13.8	-16.8
HVAC59	-14.3	-17.3
HVAC60	6.1	3.1
HVAC61	1.2	-1.8
HVAC62	3.3	0.3
HVAC63	3.3	0.3
HVAC64	4.8	1.8
HVAC65	-18.4	-21.4
HVAC66	0.4	-2.6
HVAC67	2.9	-0.1
HVAC68	4.3	1.3
HVAC69	0.3	-2.7
HVAC70	5.2	2.2
HVAC71	-19.2	-22.2
HVAC72	-19.5	-22.5
HVAC73	-19.2	-22.2
HVAC74	-13.1	-16.1
HVAC75	-20.4	-23.4

HVAC76	-20.2	-23.2
HVAC77	-20.1	-23.1
HVAC78	-19.9	-22.9
HVAC79	-19.9	-22.9