

## APPENDIX D

### NOISE MODELING

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# Noise Measurement Survey – 24 HR

Project Number: OCY2001.35  
Project Name: Prima Landfill

Test Personnel: Kevin Nguyendo  
Equipment: Spark 706RC (SN:119)

Site Number: LT-1 Date: 12/5/23

Time: From 3:00 p.m. To 3:00 p.m.

Site Location: 29260 Paseo Carmona, San Juan Capistrano, CA 92675. Southeast  
Of a home on a light pole.

Primary Noise Sources: Faint heavy duty vehicle noise from Prima Landfill. Occasional  
Traffic noise on Paseo Carmona and Via Granada.

Comments: \_\_\_\_\_

Photo:



## Long-Term (24-Hour) Noise Level Measurement Results at LT-1

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
3:00 PM	12/5/23	48.3	73.6	36.1
4:00 PM	12/5/23	45.9	69.6	36.2
5:00 PM	12/5/23	46.0	67.4	36.6
6:00 PM	12/5/23	48.2	72.1	36.5
7:00 PM	12/5/23	48.9	70.4	36.1
8:00 PM	12/5/23	47.3	73.3	35.8
9:00 PM	12/5/23	42.1	63.6	35.9
10:00 PM	12/5/23	38.9	62.3	35.6
11:00 PM	12/5/23	39.0	62.6	35.7
12:00 AM	12/6/23	37.0	43.3	35.7
1:00 AM	12/6/23	36.4	43.2	35.7
2:00 AM	12/6/23	37.1	45.3	35.8
3:00 AM	12/6/23	36.3	38.6	35.7
4:00 AM	12/6/23	36.7	43.6	35.8
5:00 AM	12/6/23	38.5	57.5	35.6
6:00 AM	12/6/23	43.3	61.7	36.2
7:00 AM	12/6/23	50.2	76.3	39.1
8:00 AM	12/6/23	49.5	71.7	37.6
9:00 AM	12/6/23	53.3	70.3	38.0
10:00 AM	12/6/23	49.7	70.0	38.0
11:00 AM	12/6/23	46.7	65.3	37.9
12:00 PM	12/6/23	47.4	68.4	37.0
1:00 PM	12/6/23	51.1	74.7	37.9
2:00 PM	12/6/23	49.8	70.4	38.7

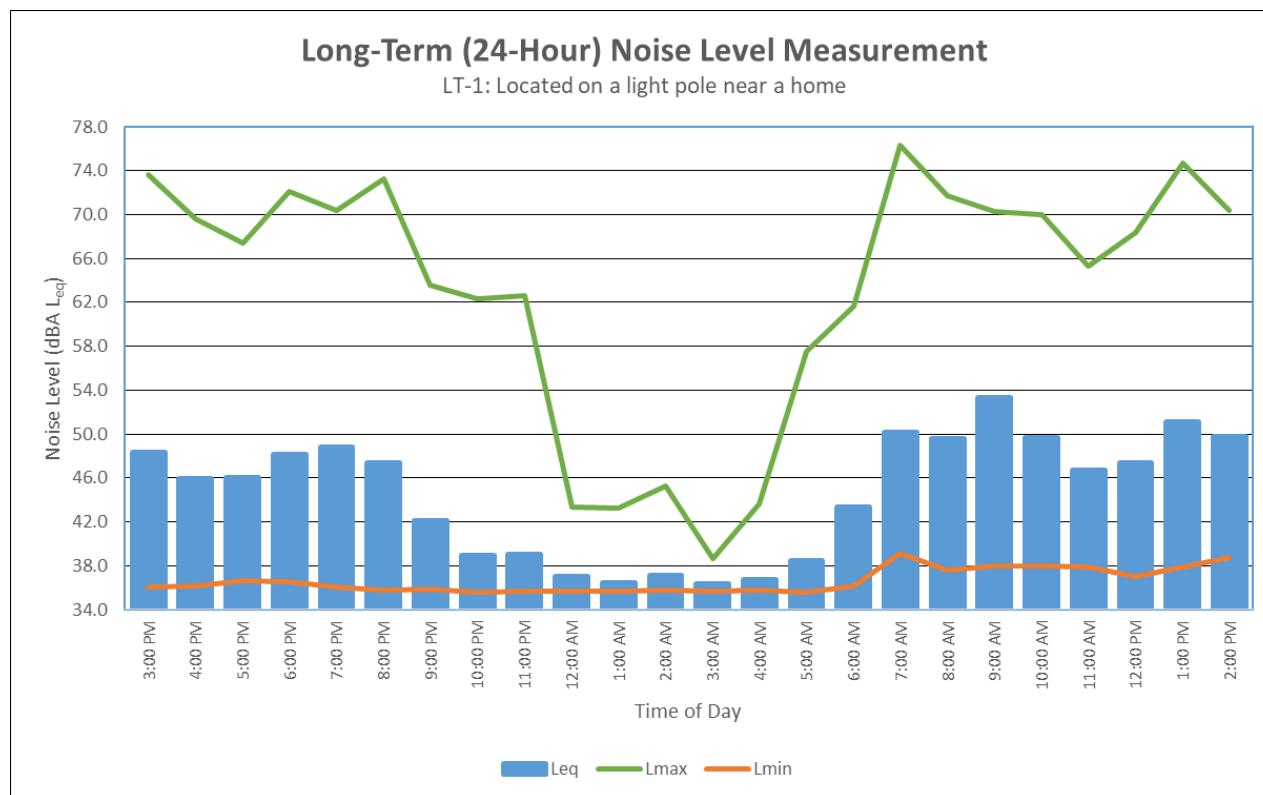
Source: Compiled by LSA Associates, Inc. (2023).

dBA = A-weighted decibel

L<sub>eq</sub> = equivalent continuous sound level

L<sub>max</sub> = maximum instantaneous noise level

L<sub>min</sub> = minimum measured sound level



## Noise Measurement Survey – 24 HR

Project Number: OCY2001.35  
Project Name: Prima Landfill

Test Personnel: Kevin Nguyendo  
Equipment: Spark 706RC (SN:908)

Site Number: LT-2 Date: 12/5/23

Time: From 3:00 p.m. To 3:00 p.m.

Site Location: 28552 Avenida Placida, San Juan Capistrano, CA 92675. East of home  
Opposite of Avenida Placida on a tree.

Primary Noise Sources: Occasional traffic on Avenida Placida.

Comments:

Photo:



## Long-Term (24-Hour) Noise Level Measurement Results at LT-2

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
3:00 PM	12/5/23	43.2	69.0	33.3
4:00 PM	12/5/23	46.0	68.9	34.1
5:00 PM	12/5/23	43.9	68.2	35.3
6:00 PM	12/5/23	46.4	71.5	36.9
7:00 PM	12/5/23	39.8	50.6	34.5
8:00 PM	12/5/23	41.2	64.0	34.2
9:00 PM	12/5/23	40.2	59.1	33.5
10:00 PM	12/5/23	40.1	68.6	33.5
11:00 PM	12/5/23	35.9	52.1	33.3
12:00 AM	12/6/23	34.2	43.1	33.5
1:00 AM	12/6/23	34.8	46.8	33.7
2:00 AM	12/6/23	34.8	44.6	33.9
3:00 AM	12/6/23	34.2	37.1	33.9
4:00 AM	12/6/23	35.7	42.0	34.0
5:00 AM	12/6/23	35.6	44.5	34.0
6:00 AM	12/6/23	43.1	63.8	34.4
7:00 AM	12/6/23	45.1	62.9	37.7
8:00 AM	12/6/23	46.3	65.4	34.7
9:00 AM	12/6/23	41.6	62.4	33.6
10:00 AM	12/6/23	43.6	63.0	33.4
11:00 AM	12/6/23	45.0	67.4	33.1
12:00 PM	12/6/23	44.1	67.7	32.8
1:00 PM	12/6/23	42.2	62.5	33.2
2:00 PM	12/6/23	44.0	65.4	34.6

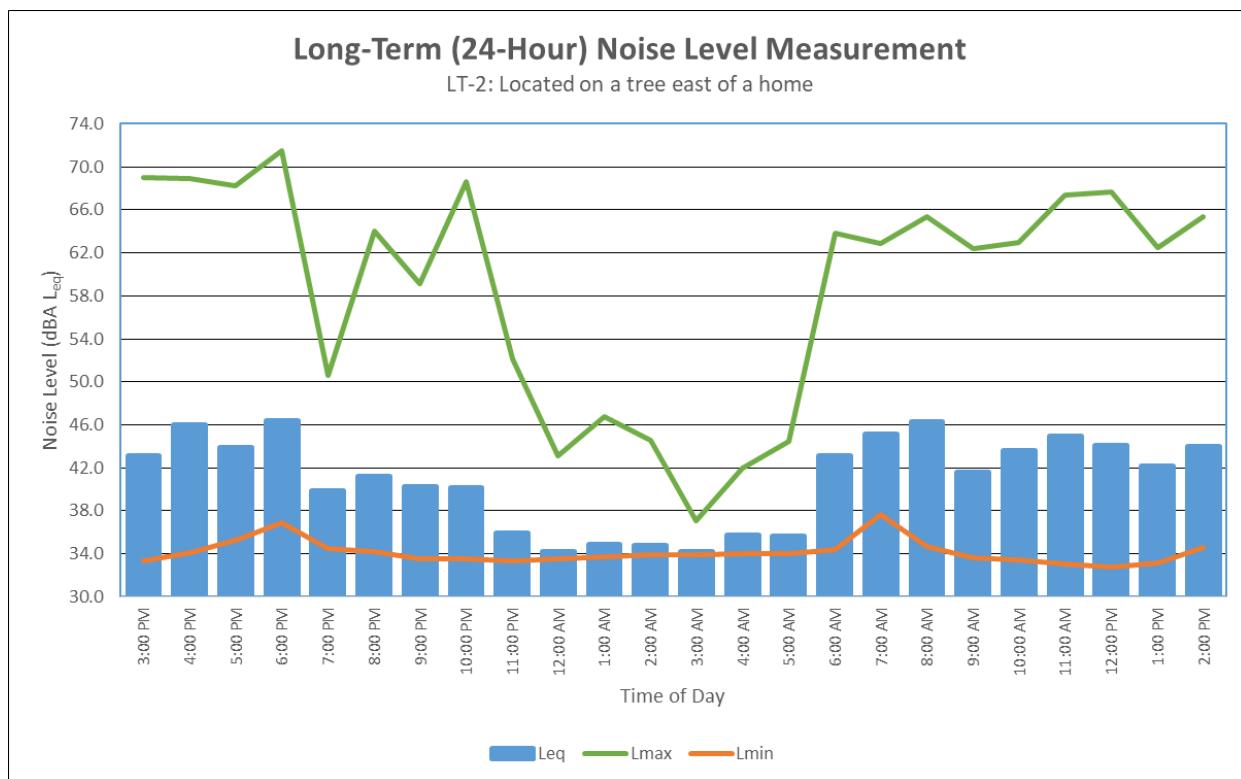
Source: Compiled by LSA Associates, Inc. (2023).

dBA = A-weighted decibel

L<sub>eq</sub> = equivalent continuous sound level

L<sub>max</sub> = maximum instantaneous noise level

L<sub>min</sub> = minimum measured sound level



# Noise Measurement Survey – 24 HR

Project Number: OCY2001.35  
Project Name: Prima Landfill

Test Personnel: Kevin Nguyendo  
Equipment: Spark 706RC (SN:906)

Site Number: LT-3 Date: 12/5/23

Time: From 3:00 p.m. To 3:00 p.m.

Site Location: 3725 Diamante, San Clemente, CA 92673. Northeast of a home's property line on a fence in the backyard.

Primary Noise Sources: Faint barking noise.

Comments: \_\_\_\_\_

Photo:



## Long-Term (24-Hour) Noise Level Measurement Results at LT-3

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
3:00 PM	12/5/23	39.4	53.0	32.5
4:00 PM	12/5/23	39.7	58.2	33.9
5:00 PM	12/5/23	38.8	51.1	34.7
6:00 PM	12/5/23	39.4	53.3	35.1
7:00 PM	12/5/23	39.5	58.5	34.4
8:00 PM	12/5/23	37.8	52.7	34.2
9:00 PM	12/5/23	37.5	51.6	34.1
10:00 PM	12/5/23	36.5	50.8	34.2
11:00 PM	12/5/23	35.7	45.0	34.4
12:00 AM	12/6/23	35.9	44.7	34.6
1:00 AM	12/6/23	36.4	52.6	34.5
2:00 AM	12/6/23	35.8	46.5	34.6
3:00 AM	12/6/23	34.9	40.7	34.5
4:00 AM	12/6/23	35.2	43.3	34.5
5:00 AM	12/6/23	35.9	48.2	34.5
6:00 AM	12/6/23	39.4	56.7	34.8
7:00 AM	12/6/23	44.6	60.2	36.4
8:00 AM	12/6/23	43.3	61.0	34.7
9:00 AM	12/6/23	41.6	54.1	34.5
10:00 AM	12/6/23	44.4	64.3	34.5
11:00 AM	12/6/23	44.7	60.6	39.7
12:00 PM	12/6/23	44.9	56.9	40.0
1:00 PM	12/6/23	44.1	58.7	40.3
2:00 PM	12/6/23	46.6	65.1	35.6

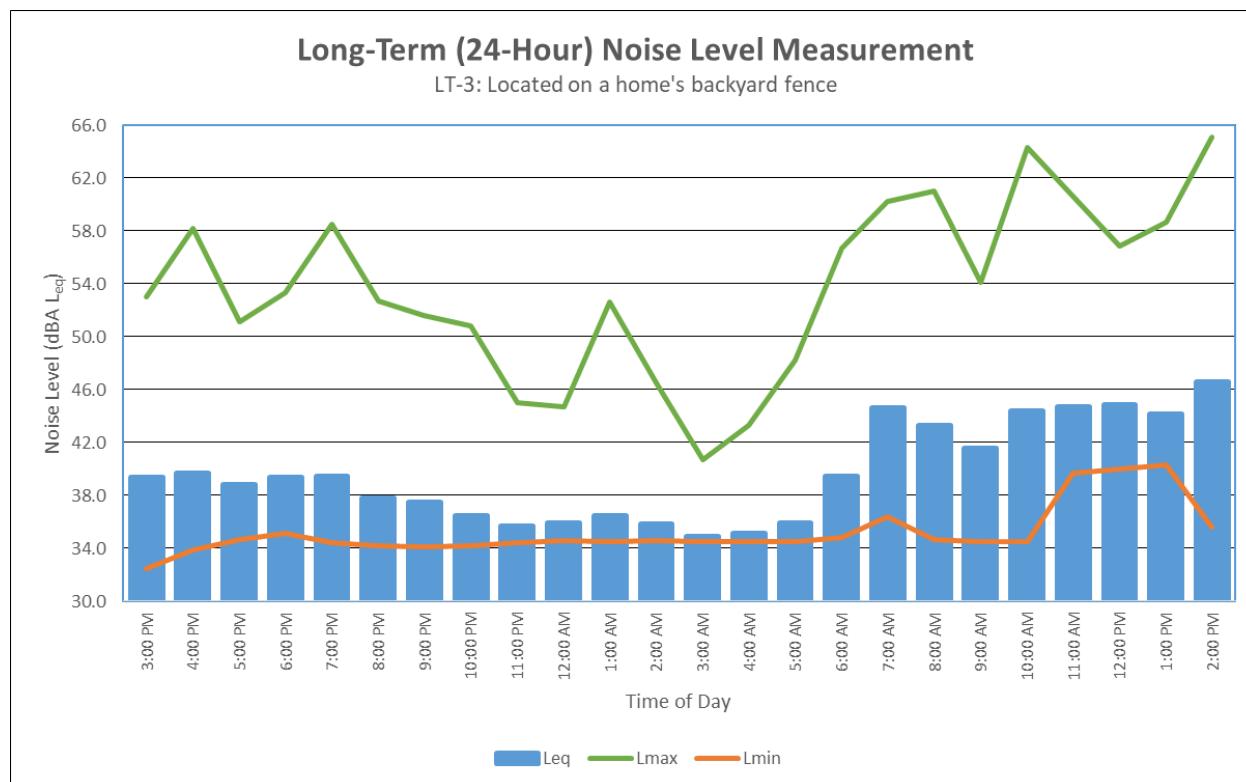
Source: Compiled by LSA Associates, Inc. (2023).

dBA = A-weighted decibel

L<sub>eq</sub> = equivalent continuous sound level

L<sub>max</sub> = maximum instantaneous noise level

L<sub>min</sub> = minimum measured sound level



# Noise Measurement Survey – 24 HR

Project Number: OCY2001.35  
Project Name: Prima Landfill

Test Personnel: Kevin Nguyendo  
Equipment: Spark 706RC (SN:814)

Site Number: LT-4 Date: 12/5/23

Time: From 3:00 p.m. To 3:00 p.m.

Site Location: 23 Calle Canela, San Clemente, CA 92673. Near a home opposite of Calle Canela on a tree.

Primary Noise Sources: Traffic on Calle Canela.

Comments:

Photo:



## Long-Term (24-Hour) Noise Level Measurement Results at LT-4

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
3:00 PM	12/5/23	46.0	69.1	35.6
4:00 PM	12/5/23	47.9	65.7	34.9
5:00 PM	12/5/23	42.9	61.3	35.3
6:00 PM	12/5/23	44.1	64.4	34.9
7:00 PM	12/5/23	42.9	63.6	35.1
8:00 PM	12/5/23	44.7	71.9	35.5
9:00 PM	12/5/23	41.8	63.0	35.2
10:00 PM	12/5/23	37.1	52.1	35.1
11:00 PM	12/5/23	36.1	50.3	34.8
12:00 AM	12/6/23	36.0	55.9	34.7
1:00 AM	12/6/23	37.9	46.6	34.7
2:00 AM	12/6/23	35.4	47.6	34.6
3:00 AM	12/6/23	37.5	53.1	34.6
4:00 AM	12/6/23	41.8	68.3	34.6
5:00 AM	12/6/23	39.5	62.2	34.8
6:00 AM	12/6/23	44.3	66.3	34.9
7:00 AM	12/6/23	48.7	71.6	35.6
8:00 AM	12/6/23	56.8	70.1	35.6
9:00 AM	12/6/23	49.3	67.5	34.9
10:00 AM	12/6/23	47.7	64.7	36.3
11:00 AM	12/6/23	47.0	66.4	35.7
12:00 PM	12/6/23	58.3	71.5	35.7
1:00 PM	12/6/23	57.5	68.6	36.8
2:00 PM	12/6/23	51.1	71.4	37.2

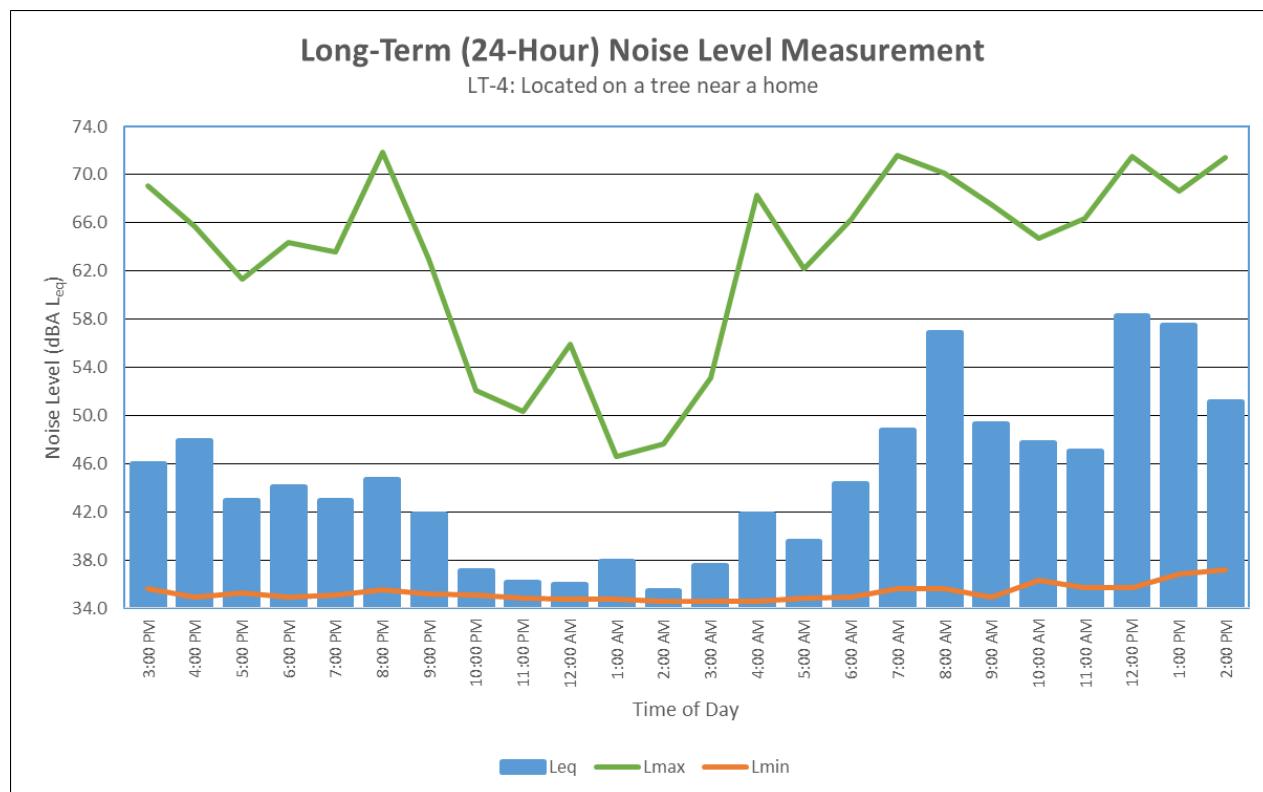
Source: Compiled by LSA Associates, Inc. (2023).

dBA = A-weighted decibel

L<sub>eq</sub> = equivalent continuous sound level

L<sub>max</sub> = maximum instantaneous noise level

L<sub>min</sub> = minimum measured sound level



## Noise Measurement Survey – 24 HR

Project Number: OCY2001.35  
Project Name: Prima Landfill

Test Personnel: Kevin Nguyendo  
Equipment: Spark 706RC (SN:907)

Site Number: LT-5 Date: 12/5/23

Time: From 3:00 p.m. To 3:00 p.m.

Site Location: 32 Via Balcon, San Clemente, CA 92673. Behind a home on a tree just outside of the backyard.

Primary Noise Sources: Faint traffic on Via Agradar.

Comments:

Photo:



## Long-Term (24-Hour) Noise Level Measurement Results at LT-5

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
3:00 PM	12/5/23	39.7	53.7	33.2
4:00 PM	12/5/23	41.8	57.9	35.5
5:00 PM	12/5/23	44.0	53.7	34.2
6:00 PM	12/5/23	48.6	53.5	40.0
7:00 PM	12/5/23	45.4	52.0	37.0
8:00 PM	12/5/23	45.1	51.2	33.6
9:00 PM	12/5/23	45.8	52.8	34.5
10:00 PM	12/5/23	37.2	54.8	33.9
11:00 PM	12/5/23	36.8	55.5	33.8
12:00 AM	12/6/23	38.4	44.8	34.1
1:00 AM	12/6/23	36.9	46.0	34.1
2:00 AM	12/6/23	36.0	47.3	33.7
3:00 AM	12/6/23	34.3	38.4	33.1
4:00 AM	12/6/23	35.4	45.4	33.1
5:00 AM	12/6/23	38.7	49.9	34.5
6:00 AM	12/6/23	39.2	56.7	34.5
7:00 AM	12/6/23	42.3	52.1	37.2
8:00 AM	12/6/23	40.4	52.2	35.5
9:00 AM	12/6/23	38.5	53.1	35.3
10:00 AM	12/6/23	41.6	54.2	35.7
11:00 AM	12/6/23	39.9	58.4	34.0
12:00 PM	12/6/23	41.3	55.8	34.4
1:00 PM	12/6/23	40.4	53.7	34.9
2:00 PM	12/6/23	41.3	51.9	35.9

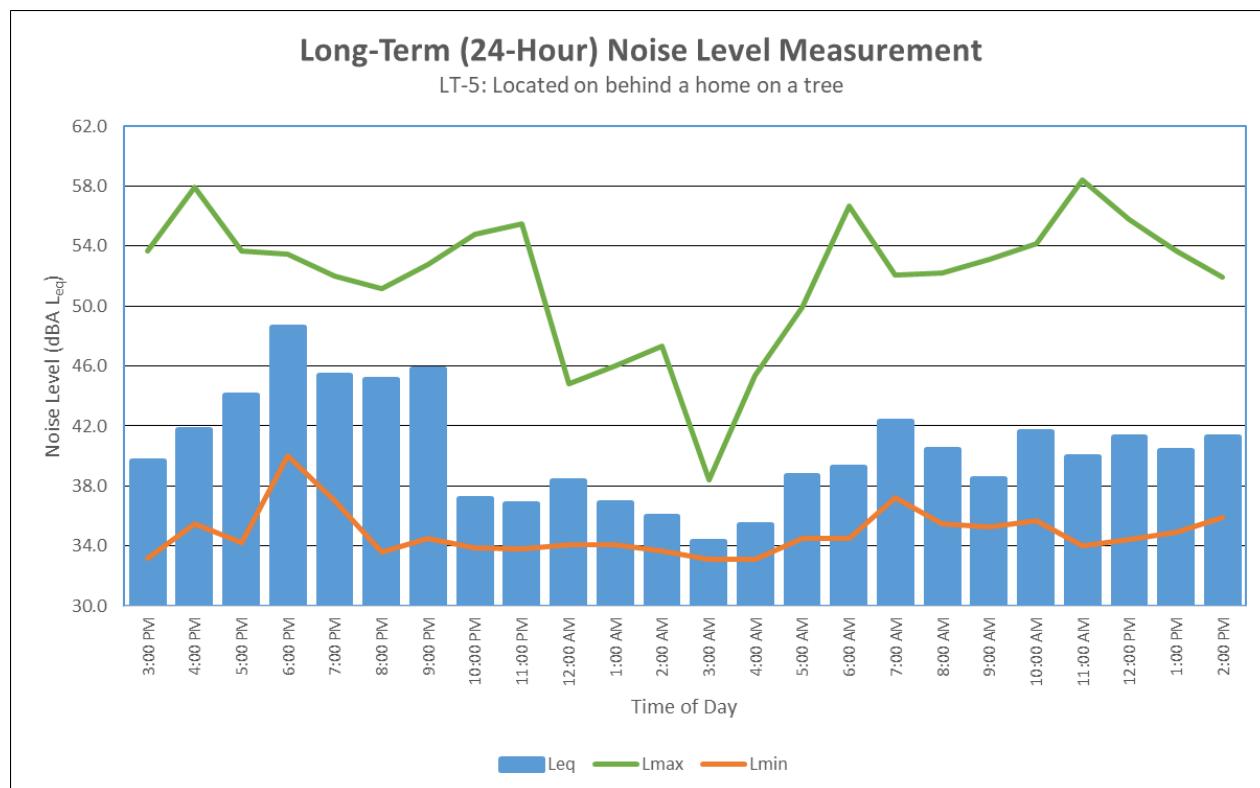
Source: Compiled by LSA Associates, Inc. (2023).

dBA = A-weighted decibel

L<sub>eq</sub> = equivalent continuous sound level

L<sub>max</sub> = maximum instantaneous noise level

L<sub>min</sub> = minimum measured sound level



# Noise Measurement Survey

Project Number: OCY2001.35 Test Personnel: Kevin Nguyendo  
Project Name: Prima Landfill Equipment: Larson Davis 824

Site Number: ST-1 Date: 12/6/2023 Time: From 1:43 p.m. To 2:03 p.m.

Site Location: 29211 Stallion Ridge, San Juan Capistrano, CA 92675. Southern parking lot of the San Juan High School. Approximately 30 ft south from the façade of the southern most building.

Primary Noise Sources: Traffic on Stallion Ridge. Parking lot activity. Faint afterschool Baseball activity noise.

## Measurement Results

	dBA
$L_{eq}$	48.6
$L_{max}$	60.5
$L_{min}$	39.7
$L_{peak}$	86.6
$L_2$	55.4
$L_8$	52.5
$L_{25}$	49.0
$L_{50}$	46.0

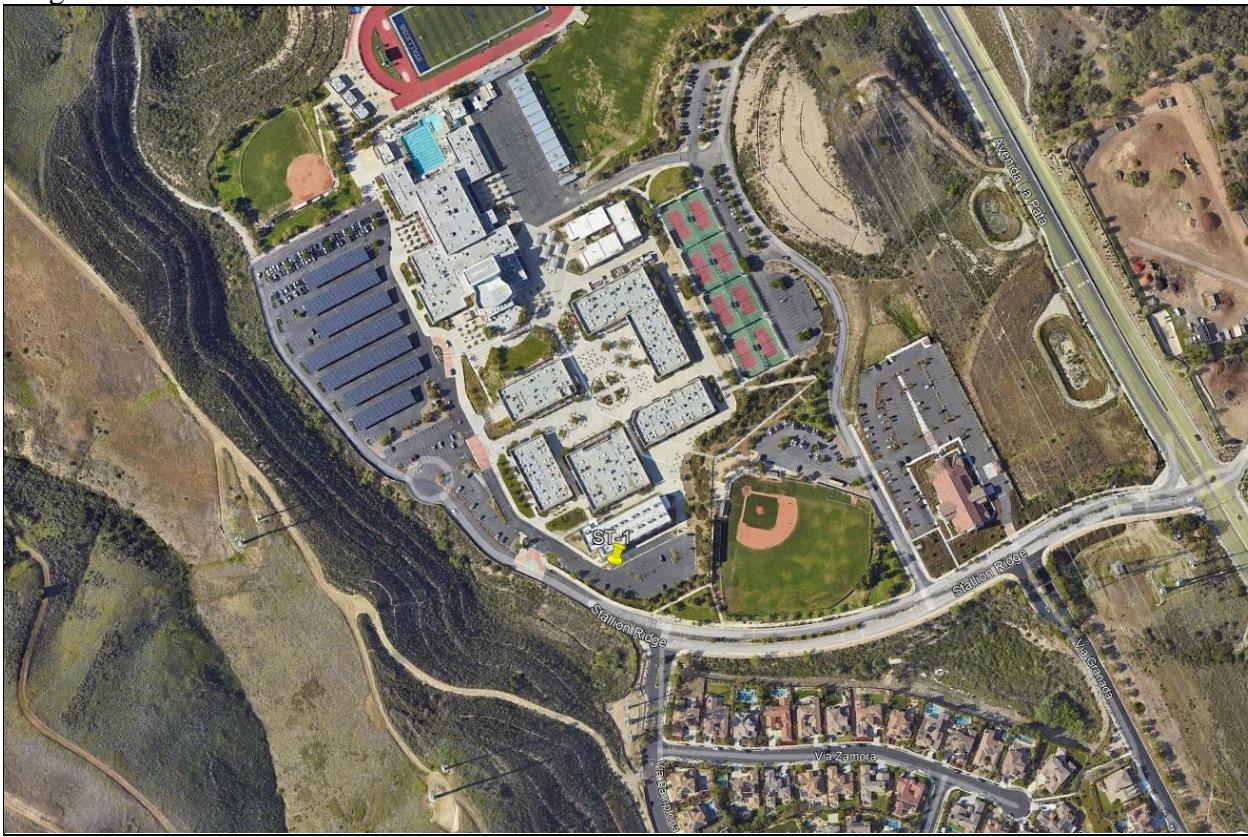
### Atmospheric Conditions:

Maximum Wind Velocity (mph)	7.5
Average Wind Velocity (mph)	1.3
Temperature (F)	78.4
Relative Humidity (%)	54.5
Comments:	

Comments:

## Traffic Description:

Diagram:



Location Photo:



# Noise Measurement Survey

Project Number: OCY2001.35 Test Personnel: Kevin Nguyendo  
Project Name: Prima Landfill Equipment: Larson Davis 824

Site Number: ST-2 Date: 12/5/2023 Time: From 1:08 p.m. To 1:30 p.m.

Site Location: Near the center of the Prima Landfill. Approximately 500 ft west of heavy Duty equipment.

Primary Noise Sources: Faint heavy duty equipment noise associated with Prima Landfill operations.

## Measurement Results

	dBA
$L_{eq}$	43.8
$L_{max}$	52.8
$L_{min}$	35.9
$L_{peak}$	89.1
$L_2$	49.2
$L_8$	47.4
$L_{25}$	44.2
$L_{50}$	42.3

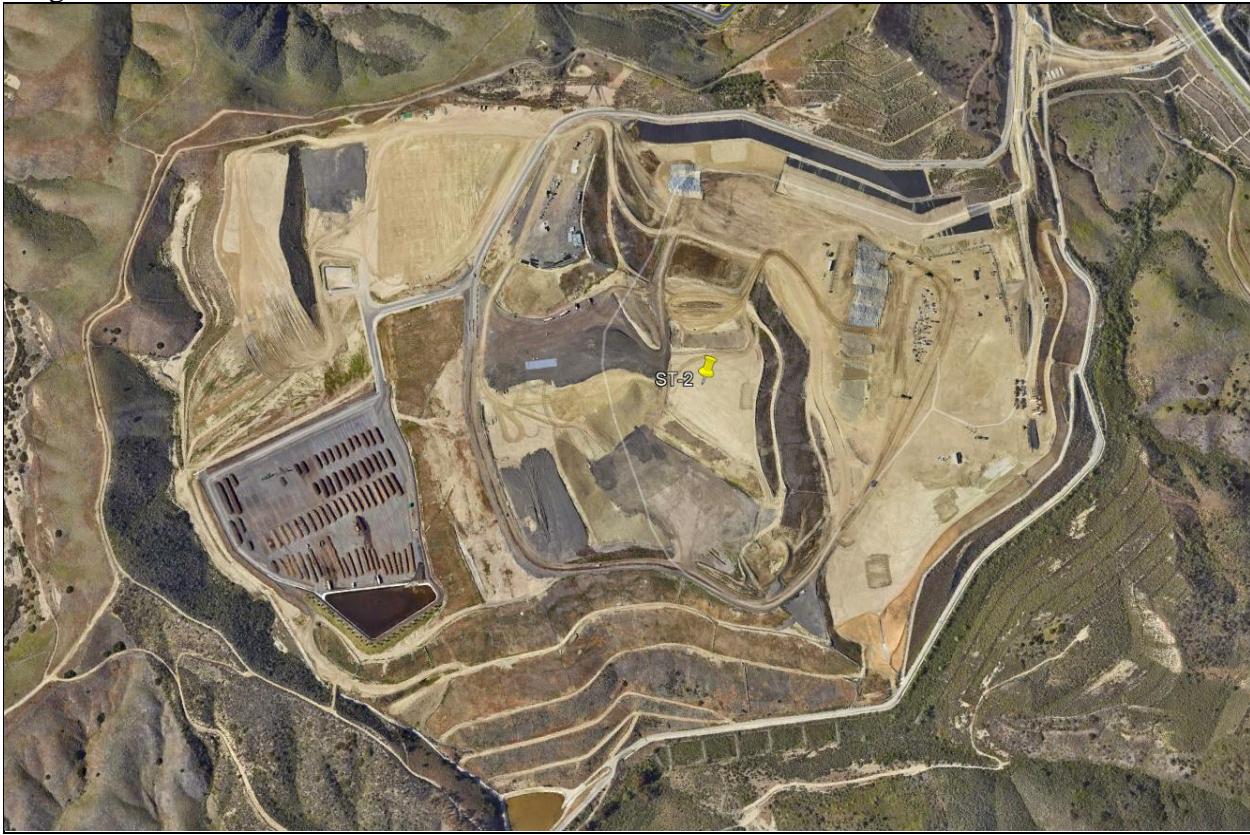
### Atmospheric Conditions:

Maximum Wind Velocity (mph)	8.7
Average Wind Velocity (mph)	5.0
Temperature (F)	82.5
Relative Humidity (%)	51.2
Comments:	

Comments:

## Traffic Description:

Diagram:



Location Photo:



TABLE Existing Without Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Southbound Ramps and I-5 Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39852 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
70.9	130.1	268.6	573.0

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TABLE Existing Without Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Northbound Ramps and Rancho Viejo Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45584 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
72.2	139.5	292.5	626.4

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TABLE Existing Without Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Rancho Viejo Road and La Novia Avenue

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37254 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
74.4	149.6	317.2	680.8

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TABLE Existing Without Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between La Novia Avenue and Calle Entradero

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36212 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
82.2	175.5	377.4	812.6

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TABLE Existing Without Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Calle Entradero and Reata Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 32909 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.2	164.7	354.1	762.4

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TABLE Existing Without Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Reata Road and Antonio Parkway-  
Avenida La Pata

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30706 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
103.6	220.6	473.8	1020.1

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TABLE Existing Without Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Ortega Highway and Stallion Ridge

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25508 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 26 SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
69.3	140.9	299.4	642.9

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TABLE Existing Without Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Stallion Ridge and Prima Deshecha Landfill

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20379 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
66.0	124.4	259.1	553.8

---

TABLE Existing Without Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Prima Deshecha Landfill and Camino Del Rio

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17501 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 22 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
54.6	110.0	233.1	500.4

---

TABLE Existing Without Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Camino Del Rio and Avenida Vista Hermosa

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18979 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.16

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.0	116.2	246.1	528.1

---

TABLE Existing Without Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Avenida La Pata and Target-Sports Park

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19740 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	99.0	208.3	446.3

---

TABLE Existing Without Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Target--Sports Park and Camino Vera Cruz

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19771 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	99.1	208.5	446.8

---

TABLE Existing Without Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Vera Cruz and Via Turqueza

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25580 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.2	116.6	247.0	530.2

---

TABLE Existing Without Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Via Turqueza and Camino Faro-Camino Laurel

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26165 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.9	118.3	250.8	538.2

---

TABLE Existing Without Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Faro-Camino Laurel and Calle Frontera

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25804 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
58.5	117.3	248.5	533.2

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TABLE Existing Without Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Calle Frontera and I-5  
Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30499 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 38 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
70.6	133.7	278.7	596.0

---

TABLE Existing Without Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between I-5 Northbound Ramps and I-5 Southbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22587 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	109.2	228.2	488.2

---

TABLE Existing With Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Southbound Ramps and I-5 Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 42534 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.27	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.78	0.02	0.10

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
75.0	140.3	291.3	622.3

---

TABLE Existing With Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Northbound Ramps and Rancho Viejo Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 48679 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.27	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.78	0.02	0.10

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.0	150.9	317.7	680.9

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TABLE Existing With Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Rancho Viejo Road and La Novia Avenue

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40348 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.22	12.52	9.30
M-TRUCKS	1.72	0.10	0.21
H-TRUCKS	0.81	0.03	0.10

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
80.7	164.1	348.9	749.3

---

TABLE Existing With Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between La Novia Avenue and Calle Entradero

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39306 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.21	12.52	9.30
M-TRUCKS	1.72	0.10	0.21
H-TRUCKS	0.81	0.03	0.10

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.2	192.9	414.8	893.3

---

TABLE Existing With Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Calle Entradero and Reata Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36003 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.18	12.52	9.30
M-TRUCKS	1.73	0.10	0.21
H-TRUCKS	0.83	0.03	0.10

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.4	182.6	392.7	845.5

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TABLE Existing With Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Reata Road and Antonio Parkway-  
Avenida La Pata

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 33800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.16	12.51	9.30
M-TRUCKS	1.75	0.10	0.21
H-TRUCKS	0.84	0.03	0.10

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
114.5	244.3	525.2	1130.7

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TABLE Existing With Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Ortega Highway and Stallion Ridge

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28602 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.10	12.50	9.29
M-TRUCKS	1.78	0.10	0.22
H-TRUCKS	0.88	0.03	0.11

ACTIVE HALF-WIDTH (FT): 26 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.7	159.9	340.8	732.5

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TABLE Existing With Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Stallion Ridge and Prima Deshecha Landfill

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23473 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.01	12.49	9.28
M-TRUCKS	1.83	0.11	0.22
H-TRUCKS	0.93	0.03	0.12

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.2	144.3	303.2	649.4

---

TABLE Existing With Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Prima Deshecha Landfill and Camino Del Rio

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18533 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.30	12.53	9.31
M-TRUCKS	1.67	0.10	0.20
H-TRUCKS	0.76	0.02	0.10

ACTIVE HALF-WIDTH (FT): 22 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
57.8	117.3	249.1	534.8

---

TABLE Existing With Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Camino Del Rio and Avenida Vista Hermosa

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20011 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.31	12.54	9.32
M-TRUCKS	1.66	0.10	0.20
H-TRUCKS	0.75	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
61.1	123.3	261.6	561.7

---

TABLE Existing With Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Avenida La Pata and Target-Sports Park

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20772 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.32	12.54	9.32
M-TRUCKS	1.66	0.10	0.20
H-TRUCKS	0.75	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	105.0	221.5	474.8

---

TABLE Existing With Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Target--Sports Park and Camino Vera Cruz

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20803 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.32	12.54	9.32
M-TRUCKS	1.66	0.10	0.20
H-TRUCKS	0.75	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	105.1	221.7	475.3

---

TABLE Existing With Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Vera Cruz and Via Turqueza

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26612 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.36	12.55	9.32
M-TRUCKS	1.64	0.09	0.20
H-TRUCKS	0.73	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.6	122.2	259.2	556.4

---

TABLE Existing With Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Via Turqueza and Camino Faro-Camino Laurel

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27197 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.36	12.55	9.32
M-TRUCKS	1.64	0.09	0.20
H-TRUCKS	0.72	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
61.3	123.9	262.8	564.3

---

TABLE Existing With Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Faro-Camino Laurel and Calle Frontera

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26836 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.36	12.55	9.32
M-TRUCKS	1.64	0.09	0.20
H-TRUCKS	0.72	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.9	122.8	260.6	559.4

---

TABLE Existing With Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Calle Frontera and I-5  
Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31531 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.38	12.55	9.32
M-TRUCKS	1.63	0.09	0.20
H-TRUCKS	0.71	0.02	0.09

ACTIVE HALF-WIDTH (FT): 38 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.7	138.8	290.1	620.7

---

TABLE Existing With Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between I-5 Northbound Ramps and I-5 Southbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - Existing With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23103 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.42	12.56	9.33
M-TRUCKS	1.61	0.09	0.20
H-TRUCKS	0.69	0.02	0.09

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
58.4	112.1	234.5	501.9

---

TABLE 2045 Without Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Southbound Ramps and I-5 Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 47267 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
76.6	144.3	300.2	641.7

---

TABLE 2045 Without Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Northbound Ramps and Rancho Viejo Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 55335 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---	-----	-----	-----
79.8	157.5	332.3	712.5

---

TABLE 2045 Without Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Rancho Viejo Road and La Novia Avenue

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51224 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
89.3	183.7	391.6	841.5

---

TABLE 2045 Without Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between La Novia Avenue and Calle Entradero

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 52011 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
104.2	223.3	480.4	1034.4

---

TABLE 2045 Without Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Calle Entradero and Reata Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 47711 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
98.4	210.8	453.5	976.6

---

TABLE 2045 Without Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Reata Road and Antonio Parkway-  
Avenida La Pata

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 44986 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
132.9	284.1	611.1	1315.8

---

TABLE 2045 Without Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Ortega Highway and Stallion Ridge

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31132 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 26 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---	-----	-----	-----
77.9	160.2	341.6	734.1

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TABLE 2045 Without Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Stallion Ridge and Prima Deshecha Landfill

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24549 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---	-----	-----	-----
72.2	139.6	292.7	626.7

---

TABLE 2045 Without Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Prima Deshecha Landfill and Camino Del Rio

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21789 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 22 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
61.9	126.6	269.5	579.0

---

TABLE 2045 Without Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Camino Del Rio and Avenida Vista Hermosa

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24660 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
67.3	137.5	292.6	628.6

---

TABLE 2045 Without Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Avenida La Pata and Target-Sports Park

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20736 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	102.1	215.2	461.2

---

TABLE 2045 Without Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Target--Sports Park and Camino Vera Cruz

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20767 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	102.2	215.4	461.6

---

TABLE 2045 Without Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Vera Cruz and Via Turqueza

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26821 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
59.7	120.2	254.9	547.1

---

TABLE 2045 Without Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Via Turqueza and Camino Faro-Camino Laurel

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27406 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
60.5	121.9	258.6	555.1

---

TABLE 2045 Without Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Faro-Camino Laurel and Calle Frontera

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27045 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.0	120.9	256.3	550.2

---

TABLE 2045 Without Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Calle Frontera and I-5  
Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31654 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 38 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---	-----	-----	-----
71.9	136.8	285.6	610.9

---

TABLE 2045 Without Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between I-5 Northbound Ramps and I-5 Southbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23308 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	111.4	233.0	498.5

---

TABLE 2045 With Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Southbound Ramps and I-5 Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 50417 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.27	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.78	0.02	0.10

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.3	155.6	325.5	696.5

---

TABLE 2045 With Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Northbound Ramps and Rancho Viejo Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 58970 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.27	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.78	0.02	0.10

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.2	170.2	360.1	772.6

---

TABLE 2045 With Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Rancho Viejo Road and La Novia Avenue

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 54858 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.26	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.79	0.02	0.10

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---	-----	-----	-----
96.2	199.2	425.2	914.2

---

TABLE 2045 With Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between La Novia Avenue and Calle Entradero

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 55645 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.26	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.78	0.02	0.10

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
112.6	241.4	519.5	1118.7

---

TABLE 2045 With Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Calle Entradero and Reata Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51345 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.24	12.52	9.31
M-TRUCKS	1.70	0.10	0.21
H-TRUCKS	0.80	0.02	0.10

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
107.1	229.5	493.7	1063.2

---

TABLE 2045 With Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Reata Road and Antonio Parkway-  
Avenida La Pata

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 48620 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.22	12.52	9.30
M-TRUCKS	1.71	0.10	0.21
H-TRUCKS	0.80	0.03	0.10

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
144.3	308.9	664.4	1430.7

---

TABLE 2045 With Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Ortega Highway and Stallion Ridge

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 34766 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.11	12.50	9.29
M-TRUCKS	1.77	0.10	0.22
H-TRUCKS	0.87	0.03	0.11

ACTIVE HALF-WIDTH (FT): 26 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
87.2	181.3	387.3	832.7

---

TABLE 2045 With Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Stallion Ridge and Prima Deshecha Landfill

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28183 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.02	12.49	9.28
M-TRUCKS	1.82	0.11	0.22
H-TRUCKS	0.92	0.03	0.11

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.6	161.7	341.5	732.4

---

TABLE 2045 With Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Prima Deshecha Landfill and Camino Del Rio

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23001 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.31	12.54	9.32
M-TRUCKS	1.67	0.10	0.20
H-TRUCKS	0.76	0.02	0.09

ACTIVE HALF-WIDTH (FT): 22 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
65.5	134.6	286.9	616.6

---

TABLE 2045 With Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Camino Del Rio and Avenida Vista Hermosa

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25872 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.33	12.54	9.32
M-TRUCKS	1.66	0.10	0.20
H-TRUCKS	0.74	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
70.7	145.2	309.4	664.8

---

TABLE 2045 With Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Avenida La Pata and Target-Sports Park

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21948 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.30	12.53	9.31
M-TRUCKS	1.67	0.10	0.20
H-TRUCKS	0.76	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	109.0	230.4	494.1

---

TABLE 2045 With Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Target--Sports Park and Camino Vera Cruz

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21979 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.30	12.53	9.31
M-TRUCKS	1.67	0.10	0.20
H-TRUCKS	0.76	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	109.1	230.6	494.5

---

TABLE 2045 With Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Vera Cruz and Via Turqueza

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28033 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.34	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.74	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
62.5	126.6	268.9	577.5

---

TABLE 2045 With Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Via Turqueza and Camino Faro-Camino Laurel

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28618 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.35	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.73	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.2	128.3	272.5	585.2

---

TABLE 2045 With Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Faro-Camino Laurel and Calle Frontera

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28257 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.35	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.73	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
62.8	127.3	270.3	580.4

---

TABLE 2045 With Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Calle Frontera and I-5  
Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 32866 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.37	12.55	9.32
M-TRUCKS	1.63	0.09	0.20
H-TRUCKS	0.72	0.02	0.09

ACTIVE HALF-WIDTH (FT): 38 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.3	142.7	298.8	639.6

---

TABLE 2045 With Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between I-5 Northbound Ramps and I-5 Southbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23914 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.41	12.55	9.33
M-TRUCKS	1.61	0.09	0.20
H-TRUCKS	0.70	0.02	0.09

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.5	114.7	240.3	514.4

---

TABLE 2045 w/LPPE Without Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Southbound Ramps and I-5 Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 46424 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
76.0	142.7	296.7	634.1

---

TABLE 2045 w/LPPE Without Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Northbound Ramps and Rancho Viejo Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 53874 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.7	154.9	326.5	699.9

---

TABLE 2045 w/LPPE Without Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Rancho Viejo Road and La Novia Avenue

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 49568 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
87.6	179.8	383.1	823.3

---

TABLE 2045 w/LPPE Without Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between La Novia Avenue and Calle Entradero

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 50165 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
101.7	218.0	468.9	1009.8

---

TABLE 2045 w/LPPE Without Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Calle Entradero and Reata Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45868 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
95.9	205.4	441.8	951.3

---

TABLE 2045 w/LPPE Without Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Reata Road and Antonio Parkway-  
Avenida La Pata

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 43189 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
129.4	276.5	594.7	1280.5

---

TABLE 2045 w/LPPE Without Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Ortega Highway and Stallion Ridge

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25840 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 26 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
69.9	142.1	301.9	648.5

---

TABLE 2045 w/LPPE Without Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Stallion Ridge and Prima Deshecha Landfill

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21398 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
67.5	128.2	267.5	572.0

---

TABLE 2045 w/LPPE Without Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Prima Deshecha Landfill and Camino Del Rio

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26044 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 22 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
68.8	142.2	303.3	652.0

---

TABLE 2045 w/LPPE Without Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Camino Del Rio and Avenida Vista Hermosa

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26161 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
69.6	142.9	304.3	653.9

---

TABLE 2045 w/LPPE Without Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Avenida La Pata and Target-Sports Park

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21206 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	103.6	218.3	468.1

---

TABLE 2045 w/LPPE Without Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Target--Sports Park and Camino Vera Cruz

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21237 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	103.7	218.6	468.5

---

TABLE 2045 w/LPPE Without Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Vera Cruz and Via Turqueza

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26983 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
59.9	120.7	255.9	549.3

---

TABLE 2045 w/LPPE Without Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Via Turqueza and Camino Faro-Camino Laurel

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27568 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
60.7	122.4	259.6	557.2

---

TABLE 2045 w/LPPE Without Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Faro-Camino Laurel and Calle Frontera

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27207 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.2	121.3	257.3	552.4

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TABLE 2045 w/LPPE Without Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Calle Frontera and I-5  
Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31838 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 38 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.1	137.3	286.7	613.2

---

TABLE 2045 w/LPPE Without Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between I-5 Northbound Ramps and I-5 Southbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23394 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	111.6	233.5	499.7

---

TABLE 2045 w/LPPE With Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Southbound Ramps and I-5 Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 49574 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.27	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.78	0.02	0.10

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
80.6	154.1	322.1	689.1

---

TABLE 2045 w/LPPE With Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between I-5 Northbound Ramps and Rancho Viejo Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 57509 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.27	12.53	9.31
M-TRUCKS	1.69	0.10	0.21
H-TRUCKS	0.78	0.02	0.10

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
84.1	167.6	354.5	760.5

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TABLE 2045 w/LPPE With Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Rancho Viejo Road and La Novia Avenue

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 53202 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.25	12.53	9.31
M-TRUCKS	1.70	0.10	0.21
H-TRUCKS	0.79	0.02	0.10

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
94.6	195.5	417.2	896.7

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TABLE 2045 w/LPPE With Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between La Novia Avenue and Calle Entradero

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 53799 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.25	12.53	9.31
M-TRUCKS	1.70	0.10	0.21
H-TRUCKS	0.79	0.02	0.10

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
110.2	236.3	508.5	1095.1

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TABLE 2045 w/LPPE With Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Calle Entradero and Reata Road

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 49502 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.23	12.52	9.31
M-TRUCKS	1.71	0.10	0.21
H-TRUCKS	0.80	0.03	0.10

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
104.6	224.2	482.5	1039.0

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TABLE 2045 w/LPPE With Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Ortega Highway between Reata Road and Antonio Parkway-  
Avenida La Pata

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 46823 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.21	12.52	9.30
M-TRUCKS	1.72	0.10	0.21
H-TRUCKS	0.81	0.03	0.10

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
140.9	301.6	648.7	1396.9

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TABLE 2045 w/LPPE With Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Ortega Highway and Stallion Ridge

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 29474 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.04	12.49	9.28
M-TRUCKS	1.81	0.10	0.22
H-TRUCKS	0.91	0.03	0.11

ACTIVE HALF-WIDTH (FT): 26 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.6	164.2	350.2	752.7

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TABLE 2045 w/LPPE With Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Stallion Ridge and Prima Deshecha Landfill

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25032 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.95	12.48	9.27
M-TRUCKS	1.85	0.11	0.23
H-TRUCKS	0.96	0.03	0.12

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.1	151.1	318.2	682.0

---

TABLE 2045 w/LPPE With Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Prima Deshecha Landfill and Camino Del Rio

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27256 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.34	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.74	0.02	0.09

ACTIVE HALF-WIDTH (FT): 22 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.2	149.7	319.8	687.5

---

TABLE 2045 w/LPPE With Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida La Pata between Camino Del Rio and Avenida Vista Hermosa

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27373 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.34	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.74	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.0	150.4	320.8	689.4

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TABLE 2045 w/LPPE With Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Avenida La Pata and Target-Sports Park

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22418 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.30	12.54	9.31
M-TRUCKS	1.67	0.10	0.20
H-TRUCKS	0.76	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
55.5	110.4	233.4	500.7

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TABLE 2045 w/LPPE With Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Target--Sports Park and Camino Vera Cruz

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22449 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.30	12.54	9.31
M-TRUCKS	1.67	0.10	0.20
H-TRUCKS	0.76	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
55.5	110.5	233.6	501.1

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TABLE 2045 w/LPPE With Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Vera Cruz and Via Turqueza

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28195 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.35	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.73	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
62.7	127.1	269.9	579.6

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TABLE 2045 w/LPPE With Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Via Turqueza and Camino Faro-Camino Laurel

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28780 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.35	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.73	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
63.4	128.7	273.5	587.3

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TABLE 2045 w/LPPE With Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Camino Faro-Camino Laurel and Calle Frontera

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28419 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.35	12.54	9.32
M-TRUCKS	1.65	0.10	0.20
H-TRUCKS	0.73	0.02	0.09

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
63.0	127.7	271.3	582.5

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TABLE 2045 w/LPPE With Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between Calle Frontera and I-5  
Northbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations  
Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 33050 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.37	12.55	9.32
M-TRUCKS	1.63	0.09	0.20
H-TRUCKS	0.72	0.02	0.09

ACTIVE HALF-WIDTH (FT): 38 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.5	143.2	299.9	641.9

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TABLE 2045 w/LPPE With Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/26/2024

ROADWAY SEGMENT: Avenida Vista Hermosa between I-5 Northbound Ramps and I-5 Southbound Ramps

NOTES: Prima Deshecha Landfill Increase in Maximum Daily Operations Project - 2045 w/LPPE With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24000 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.41	12.55	9.33
M-TRUCKS	1.61	0.09	0.20
H-TRUCKS	0.70	0.02	0.09

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.6	114.9	240.8	515.6

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