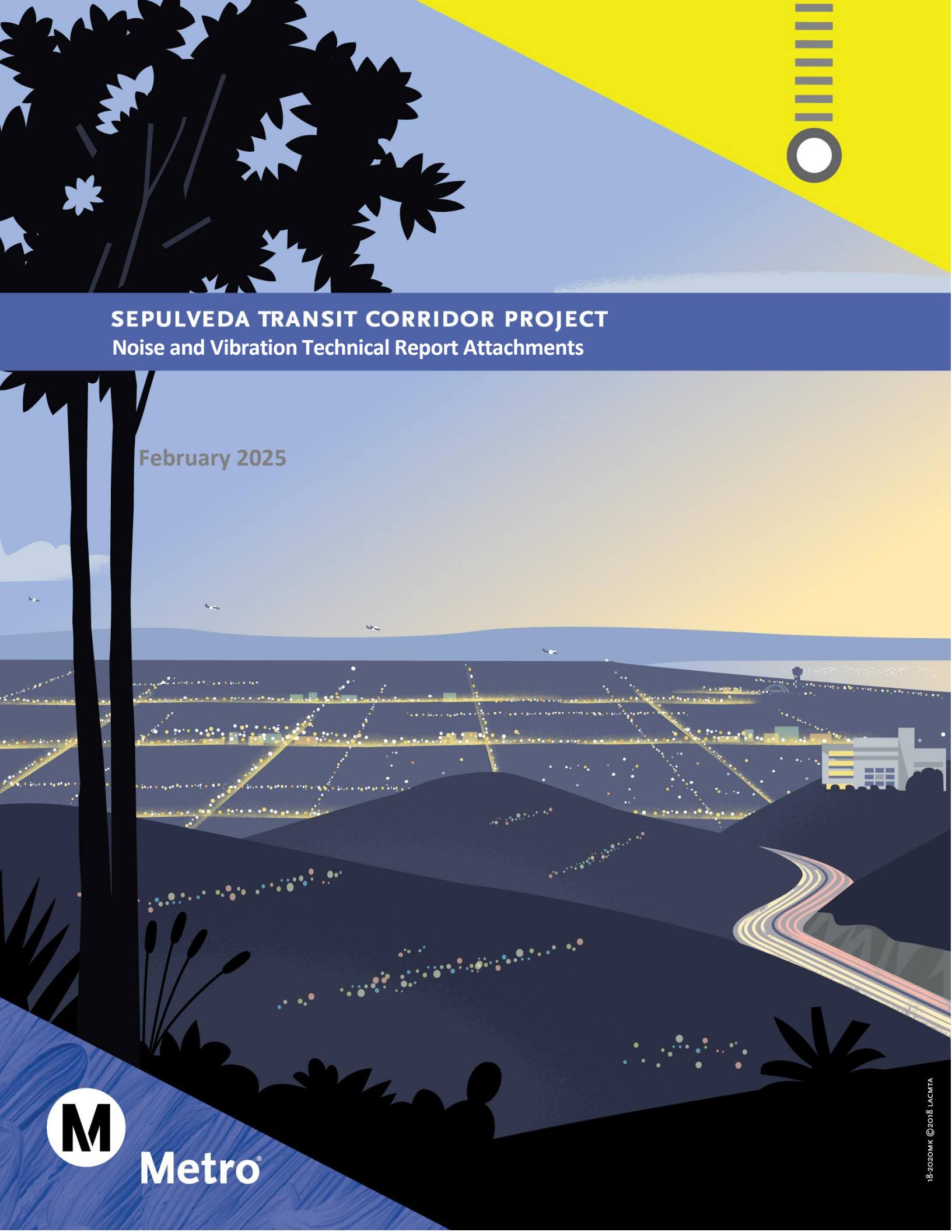
Appendix O. Noise and Vibration Technical Report: Attachments 1-15

SEPULVEDA TRANSIT CORRIDOR PROJECT

Noise and Vibration Technical Report Attachments

February 2025



Metro®

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SEPULVEDA TRANSIT CORRIDOR PROJECT

Contract No. AE67085000

Noise and Vibration Technical Report Attachments

Task 5.24.07

Prepared for:

Metro

Los Angeles County
Metropolitan Transportation Authority

Prepared by:

HTA PARTNERS
HNTB + TAHA + AECOM

777 S. Figueroa Street, Suite 2300
Los Angeles, California 90017

Review		
	Date	Name
Originator		
Checker		
Backchecker/Updater		
Verifier		
QA Review		

February 2025

Index of Attachments

Attachment 1. 24-Hour Noise Measurement Photographs and Summarized Results
Attachment 2. Short-Term Noise Measurement Photographs and Summarized Results
Attachment 3. Alternative 1: Airborne Noise Impact Assessment and Mitigation
Attachment 4. Alternative 1: Off-Road Construction Equipment Noise Levels
Attachment 5. Alternative 1: Groundborne Vibration and Noise Assessment
Attachment 6. Alternative 3: Airborne Noise Impact Assessment and Mitigation
Attachment 7. Alternative 3: Off-Road Construction Equipment Noise Levels
Attachment 8. Alternative 3: Groundborne Vibration and Noise Assessment
Attachment 9. Alternative 4: Airborne Noise Impact Assessment
Attachment 10. Alternative 4: Off-Road Construction Equipment Noise Levels
Attachment 11. Alternative 4: Groundborne Vibration and Noise Impact Assessment
Attachment 12. Alternative 5: Off-Road Construction Equipment Noise Levels
Attachment 13. Alternative 5: Groundborne Vibration and Noise Impact Locations and Mitigation
Attachment 14. Alternative 6: Off-Road Construction Equipment Noise Levels
Attachment 15. Alternative 6: Groundborne Vibration and Noise Assessment

Attachment 1. 24-Hour Noise Measurement Photographs and Summarized Results

Contents

Attachment 1 contains the noise measurement data summaries pertaining to the 24-hour noise measurements conducted at representative Category 2 receptors in the Project Study Area. The attachment includes the measurement data for Tables 5-1, 6-5, 7-5, 8-6, 9-6, and 10-3 of the Noise and Vibration Technical Report

Index of 24-hour Noise Measurement Locations

Site No.	Location	Site No.	Location
1	2435 S. Sepulveda Boulevard	42	15350 Sutton Street
2	2203 S. Bentley Avenue	43	4440 Sepulveda Boulevard
3	1726 S. Bentley Avenue	44	4800 Sepulveda Boulevard
4	1521 Beloit Avenue	45	15233½ Valleyheart Drive
5	Greater LA Fisher House	47	14520 Magnolia Boulevard
7	West LA VA Medical Center	48	15231 Magnolia Boulevard
10	UCLA Luskin Conference Center	49	5329 Sepulveda Boulevard
15	426 S. Sepulveda Boulevard	50	15353 Weddington
16	11330 Denair Street	51	5450 Sepulveda Boulevard
18	353 Dalkeith Avenue	52	6200 Blucher Avenue
19	10615 Bellagio Road	53	6201 Blucher Avenue
20	11420 Thurston Circle	55	6224 Peach Avenue
21	Hotel Bellagio, 170 N. Church Lane	56	6561 Sepulveda Boulevard
23	11720 Bellagio Road	57	6546 Aqueduct Avenue
24	11812 Bellagio Road	58	14419 Vanowen Street
25	Leonard I. Beeman Early Childhood Center, 1300 N. Sepulveda Boulevard	59	6920 Sepulveda Boulevard
26	1399 Casiano Road	60	6841 Firmament Avenue
30	10635 Levico Way	61	13917 Cohasset Street
31	2607 Basil Lane	62	7467 Sylmar Avenue
32	2341 Donella Circle	63	15235 Wyandotte Street
37	3490 Vista Haven Road	64	15550 Wyandotte Street
38	15460 Briarwood Drive	65	15559 Covello Street
39	15515 Woodcrest Drive	66	15018 Marson Street
41	15371 Del Gado Drive	67	7824 Zombar Avenue

Noise Measurement Photographs at Site 1 – 2435 S. Sepulveda Blvd, Los Angeles



Looking Northeast



Looking Northwest

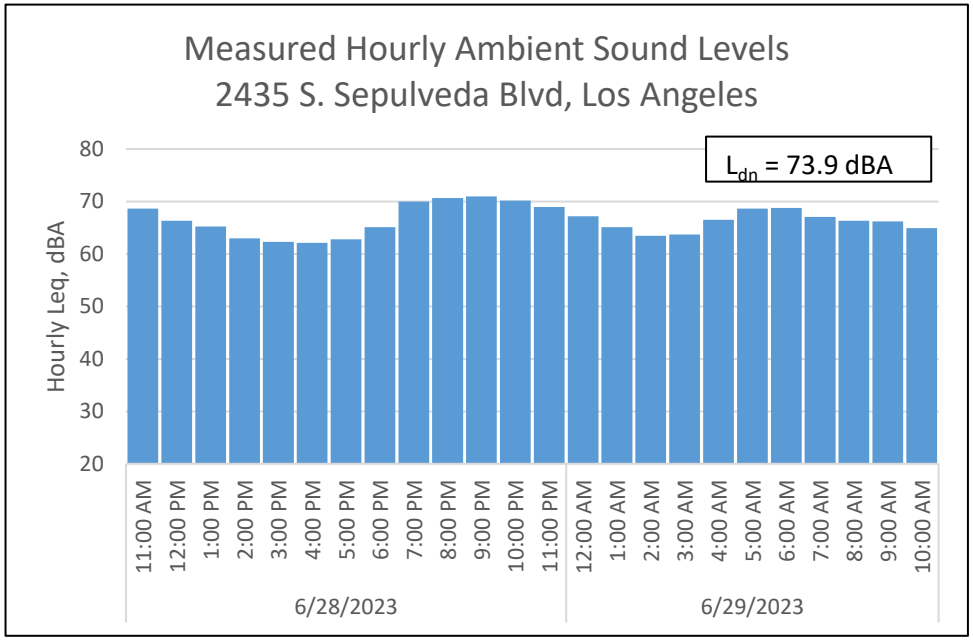


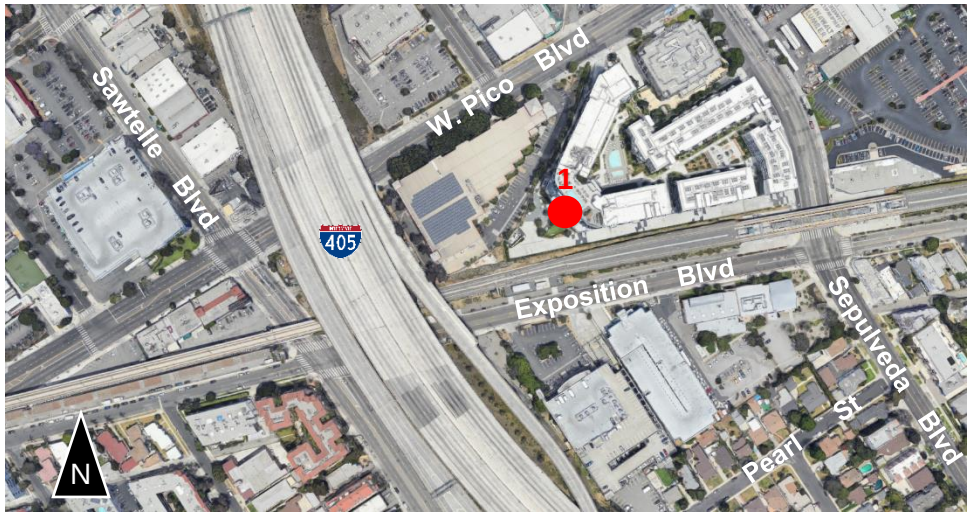
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/28/2023	11:00 AM	68.6
	12:00 PM	66.3
	1:00 PM	65.2
	2:00 PM	63.0
	3:00 PM	62.3
	4:00 PM	62.2
	5:00 PM	62.8
	6:00 PM	65.1
	7:00 PM	70.0
	8:00 PM	70.7
	9:00 PM	71.0
	10:00 PM	70.2
	11:00 PM	69.0
6/29/2023	12:00 AM	67.2
	1:00 AM	65.1
	2:00 AM	63.5
	3:00 AM	63.7
	4:00 AM	66.5
	5:00 AM	68.6
	6:00 AM	68.8
	7:00 AM	67.1
	8:00 AM	66.4
	9:00 AM	66.2
	10:00 AM	64.9





Noise Measurement Photographs at Site 2 – 2203 S. Bentley Ave, Los Angeles



Looking Northeast



Looking Northwest

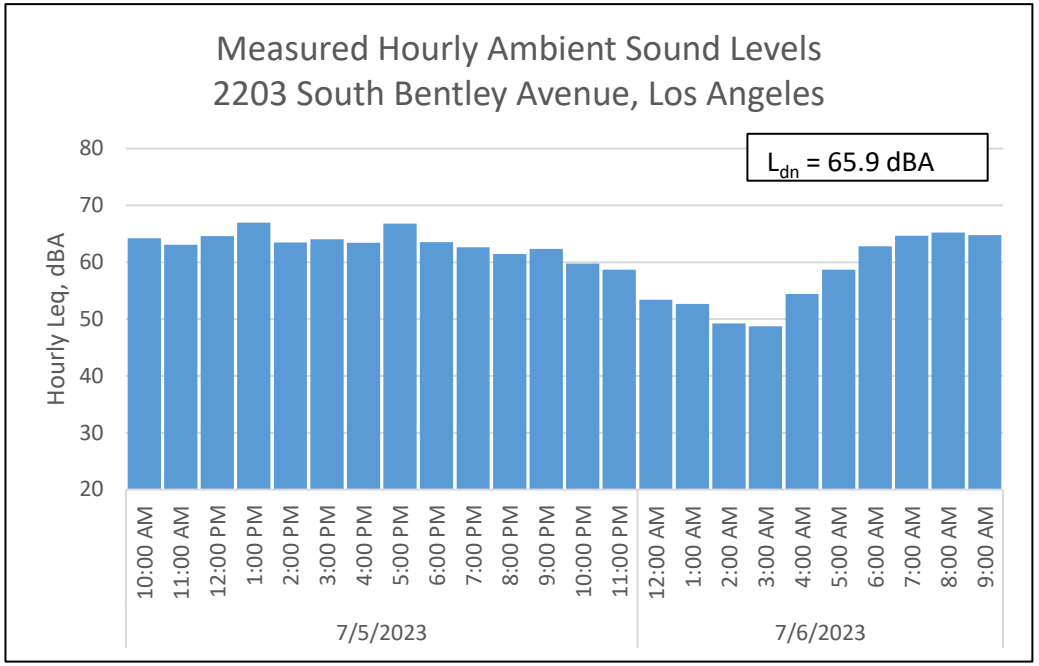


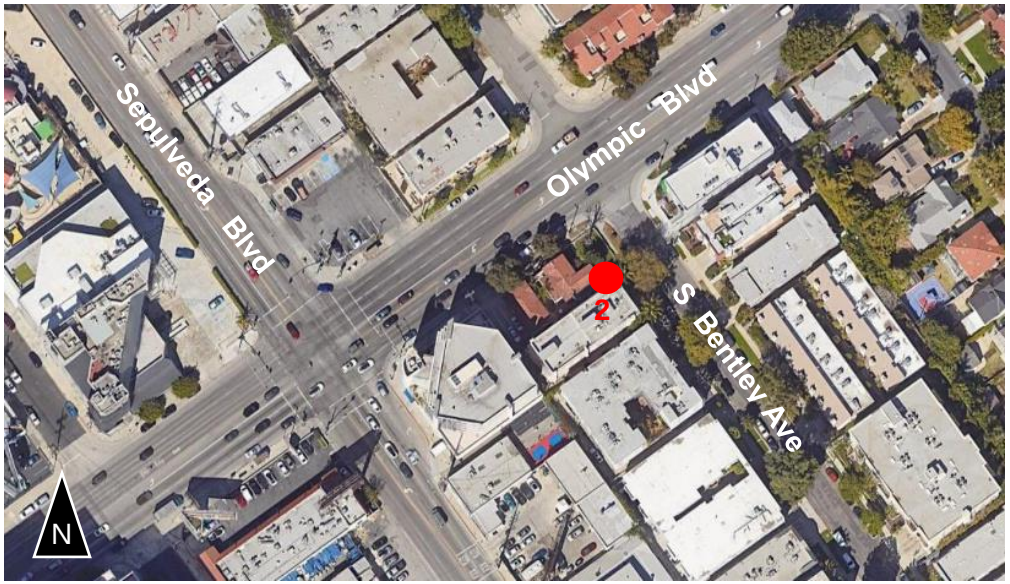
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/5/2023	10:00 AM	64.2
	11:00 AM	63.1
	12:00 PM	64.6
	1:00 PM	67.0
	2:00 PM	63.5
	3:00 PM	64.0
	4:00 PM	63.4
	5:00 PM	66.8
	6:00 PM	63.5
	7:00 PM	62.6
	8:00 PM	61.5
	9:00 PM	62.4
	10:00 PM	59.8
	11:00 PM	58.7
7/6/2023	12:00 AM	53.4
	1:00 AM	52.7
	2:00 AM	49.2
	3:00 AM	48.7
	4:00 AM	54.4
	5:00 AM	58.7
	6:00 AM	62.8
	7:00 AM	64.7
	8:00 AM	65.2
	9:00 AM	64.8

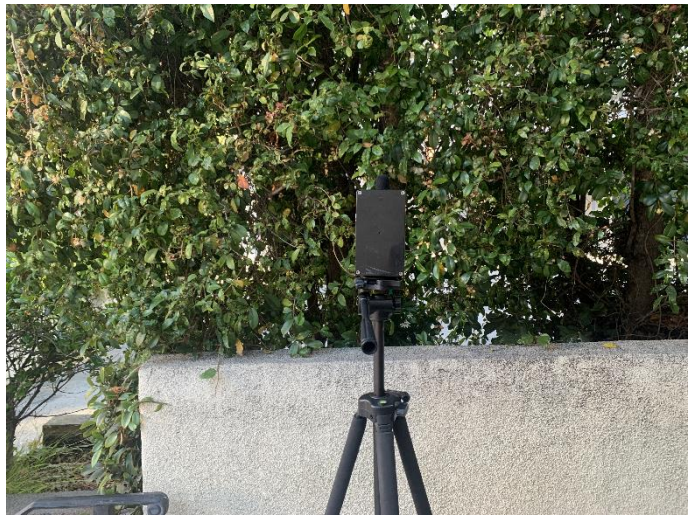




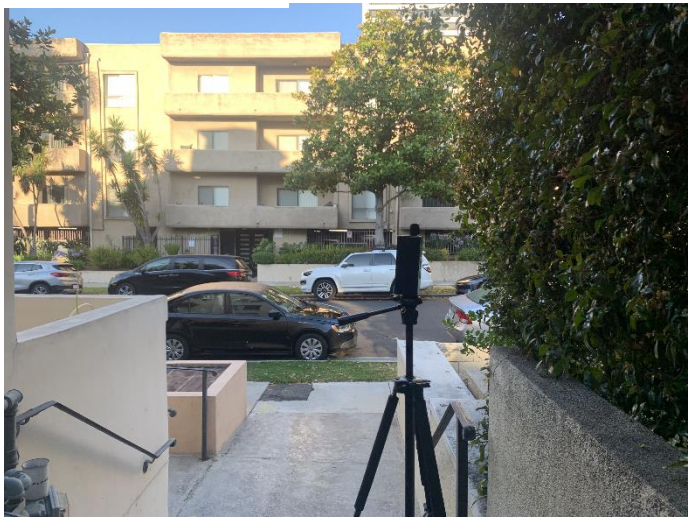
Noise Measurement Photographs at Site 3 – 1726 S. Bentley Ave, Los Angeles



Looking Northeast



Looking Northwest

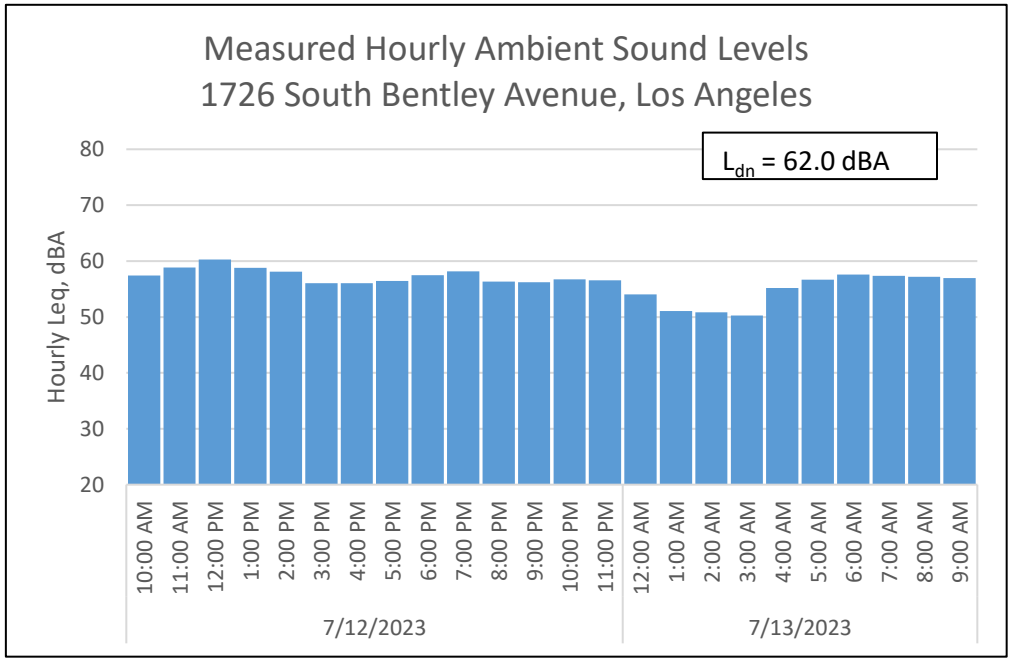


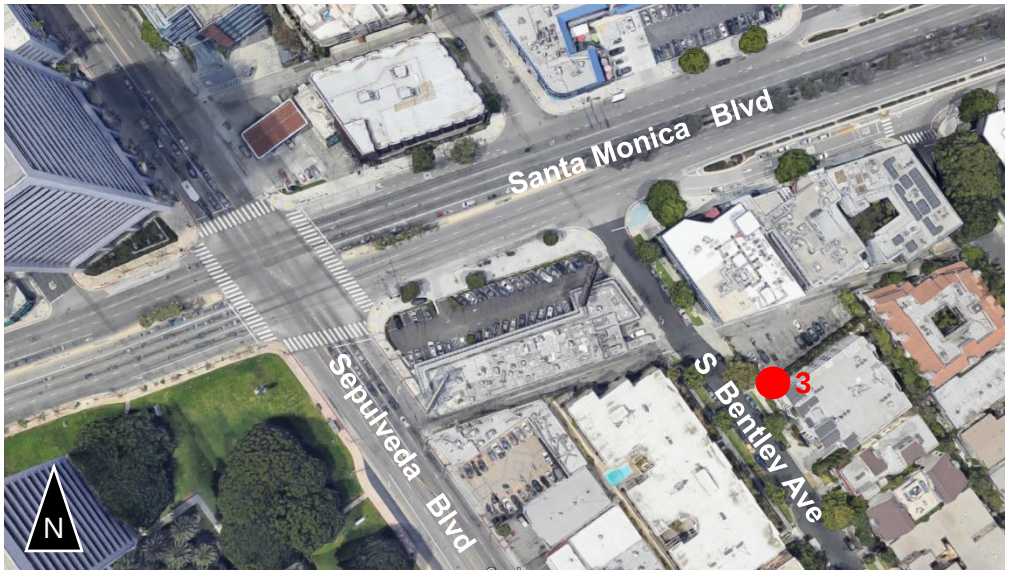
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/12/2023	10:00 AM	57.4
	11:00 AM	58.9
	12:00 PM	60.3
	1:00 PM	58.8
	2:00 PM	58.1
	3:00 PM	56.0
	4:00 PM	56.0
	5:00 PM	56.5
	6:00 PM	57.5
	7:00 PM	58.2
	8:00 PM	56.3
	9:00 PM	56.2
	10:00 PM	56.7
	11:00 PM	56.5
7/13/2023	12:00 AM	54.0
	1:00 AM	51.1
	2:00 AM	50.9
	3:00 AM	50.3
	4:00 AM	55.2
	5:00 AM	56.7
	6:00 AM	57.6
	7:00 AM	57.4
	8:00 AM	57.2
	9:00 AM	57.0





Noise Measurement Photographs at Site 4 – 1539 Beloit Ave, Los Angeles



Looking Northeast



Looking Northwest

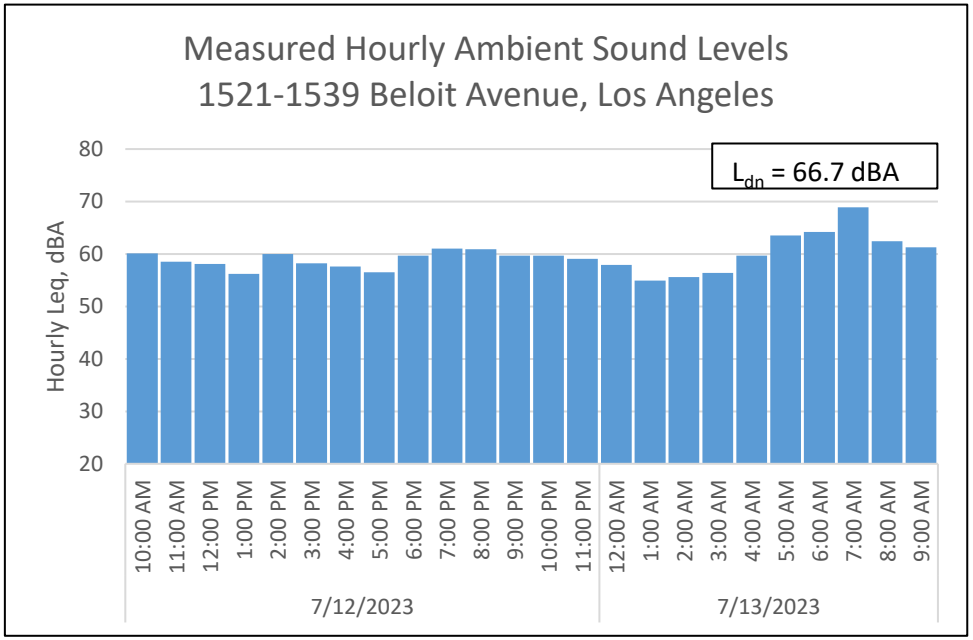


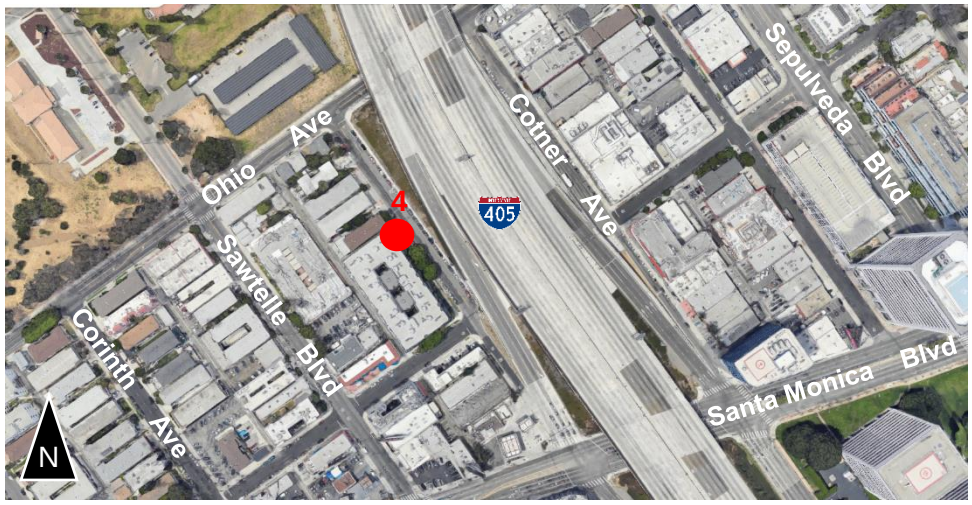
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/12/2023	10:00 AM	60.1
	11:00 AM	58.5
	12:00 PM	58.1
	1:00 PM	56.2
	2:00 PM	60.0
	3:00 PM	58.2
	4:00 PM	57.6
	5:00 PM	56.5
	6:00 PM	59.7
	7:00 PM	61.0
	8:00 PM	60.9
	9:00 PM	59.7
	10:00 PM	59.7
	11:00 PM	59.1
7/13/2023	12:00 AM	57.9
	1:00 AM	54.9
	2:00 AM	55.6
	3:00 AM	56.4
	4:00 AM	59.7
	5:00 AM	63.5
	6:00 AM	64.2
	7:00 AM	68.9
	8:00 AM	62.4
	9:00 AM	61.3





Noise Measurement Photographs at Site 5 – Greater LA Fisher House, 11301 Wilshire Blvd Suite 523, Los Angeles



Looking Northeast



Looking Northwest

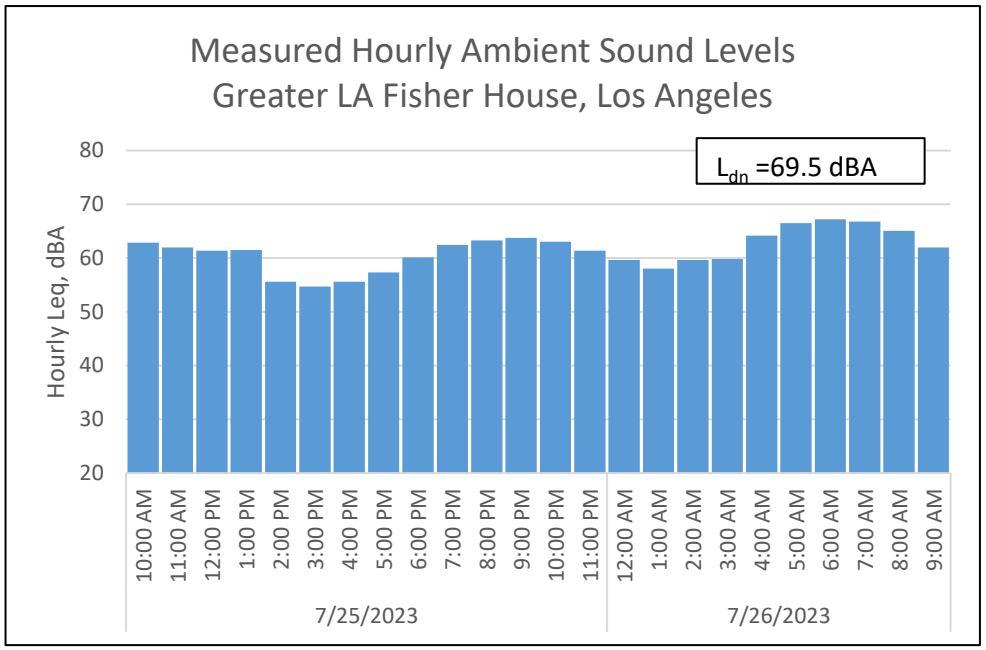


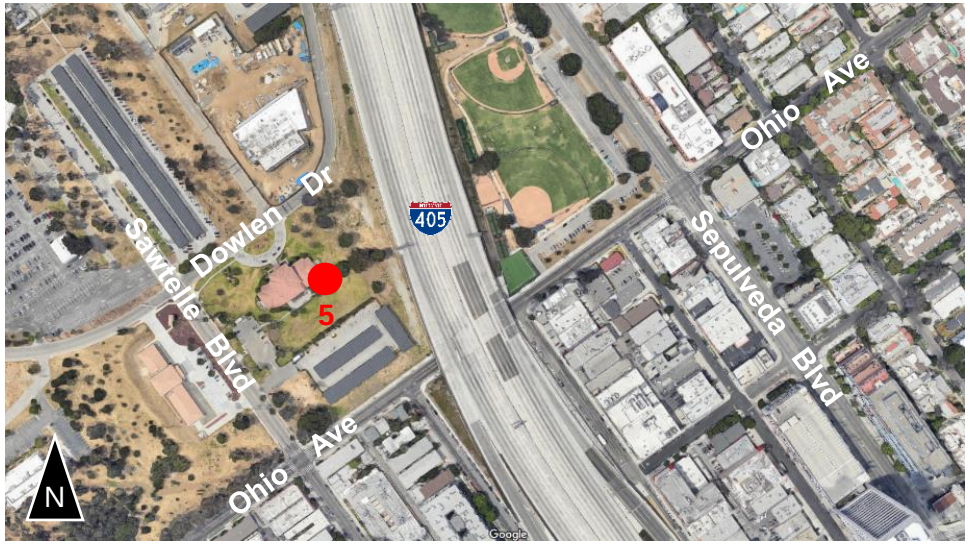
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/25/2023	10:00 AM	62.9
	11:00 AM	61.9
	12:00 PM	61.4
	1:00 PM	61.5
	2:00 PM	55.6
	3:00 PM	54.7
	4:00 PM	55.6
	5:00 PM	57.3
	6:00 PM	60.1
	7:00 PM	62.4
	8:00 PM	63.3
	9:00 PM	63.8
	10:00 PM	63.0
	11:00 PM	61.4
7/26/2023	12:00 AM	59.7
	1:00 AM	58.0
	2:00 AM	59.7
	3:00 AM	59.8
	4:00 AM	64.1
	5:00 AM	66.5
	6:00 AM	67.2
	7:00 AM	66.8
	8:00 AM	65.0
	9:00 AM	62.0





Noise Measurement Photographs at Site 7 – West Los Angeles VA Medical Center, 11301 Wilshire Blvd, Los Angeles



Looking Northeast



Looking Northwest

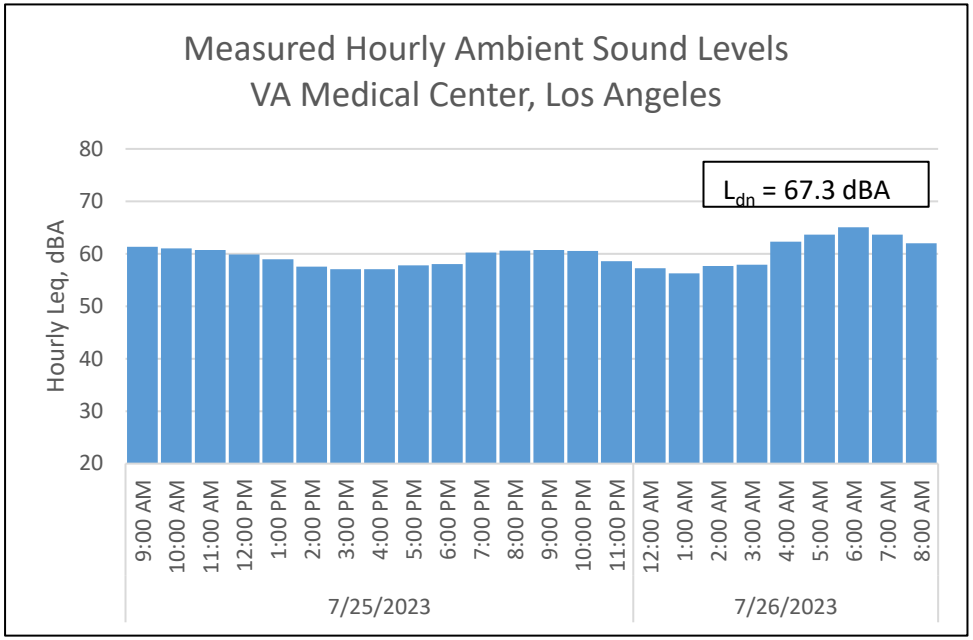


Looking Southwest



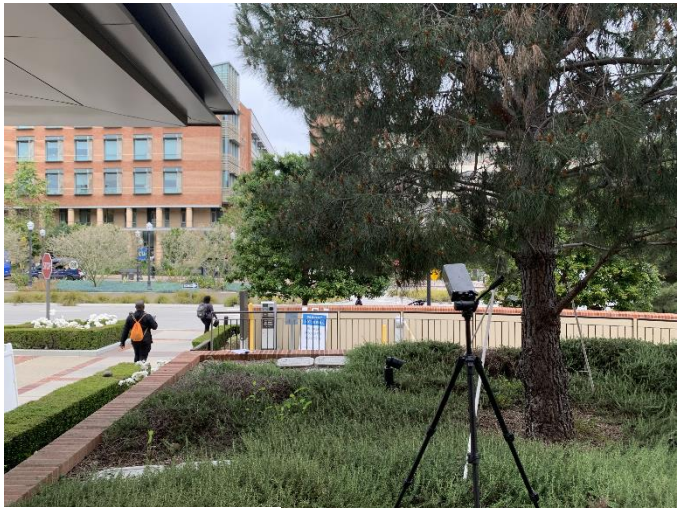
Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/25/2023	9:00 AM	61.3
	10:00 AM	61.1
	11:00 AM	60.7
	12:00 PM	59.9
	1:00 PM	58.9
	2:00 PM	57.5
	3:00 PM	57.1
	4:00 PM	57.1
	5:00 PM	57.8
	6:00 PM	58.0
	7:00 PM	60.3
	8:00 PM	60.6
	9:00 PM	60.7
	10:00 PM	60.5
	11:00 PM	58.6
7/26/2023	12:00 AM	57.2
	1:00 AM	56.3
	2:00 AM	57.7
	3:00 AM	57.9
	4:00 AM	62.3
	5:00 AM	63.6
	6:00 AM	65.0
	7:00 AM	63.7
	8:00 AM	62.0





Noise Measurement Photographs at Site 10 – UCLA Meyer and Renee Luskin Conference Center, 425 Westwood Plaza, Los Angeles



Looking Northeast



Looking Northwest

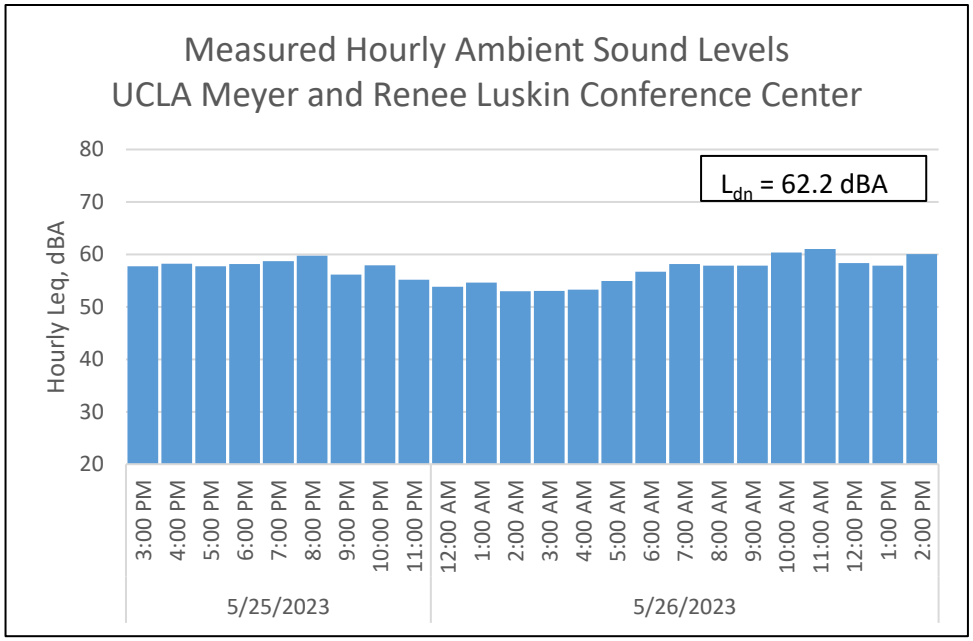


Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/25/2023	3:00 PM	57.7
	4:00 PM	58.2
	5:00 PM	57.7
	6:00 PM	58.2
	7:00 PM	58.7
	8:00 PM	59.8
	9:00 PM	56.1
	10:00 PM	57.9
	11:00 PM	55.2
5/26/2023	12:00 AM	53.8
	1:00 AM	54.6
	2:00 AM	53.0
	3:00 AM	53.0
	4:00 AM	53.3
	5:00 AM	55.0
	6:00 AM	56.7
	7:00 AM	58.2
	8:00 AM	57.9
	9:00 AM	57.9
	10:00 AM	60.4
	11:00 AM	61.0
	12:00 PM	58.3
	1:00 PM	57.8
	2:00 PM	60.0





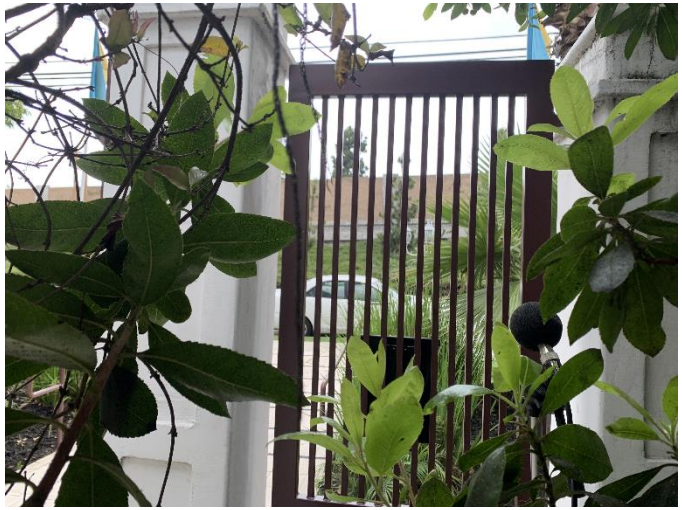
Noise Measurement Photographs at Site 15 – 426 S. Sepulveda Blvd, Los Angeles



Looking Northeast



Looking Northwest

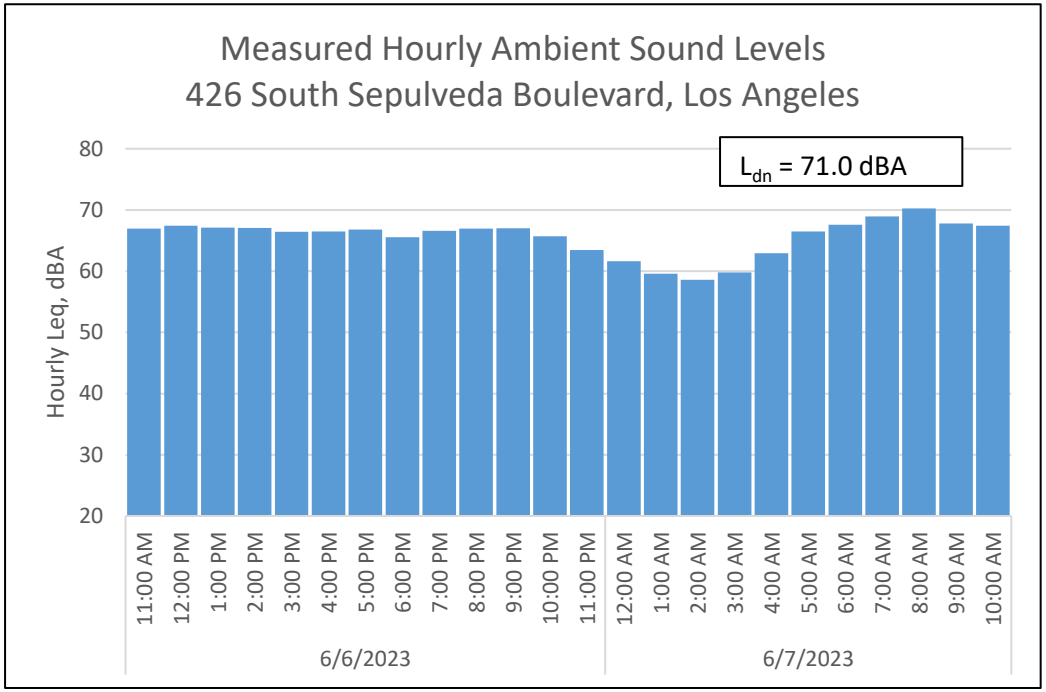


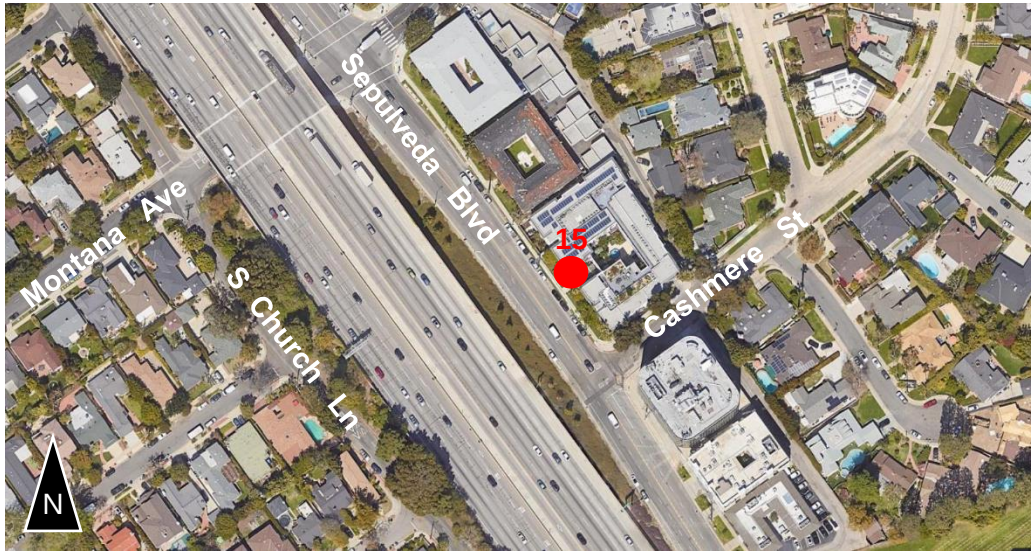
Looking Southwest



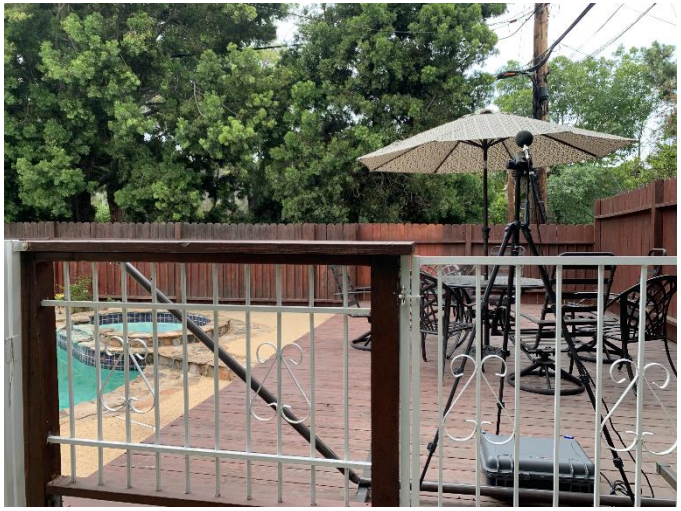
Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/6/2023	11:00 AM	67.0
	12:00 PM	67.4
	1:00 PM	67.1
	2:00 PM	67.1
	3:00 PM	66.4
	4:00 PM	66.5
	5:00 PM	66.8
	6:00 PM	65.5
	7:00 PM	66.6
	8:00 PM	66.9
	9:00 PM	67.0
	10:00 PM	65.7
	11:00 PM	63.5
6/7/2023	12:00 AM	61.6
	1:00 AM	59.6
	2:00 AM	58.6
	3:00 AM	59.8
	4:00 AM	62.9
	5:00 AM	66.5
	6:00 AM	67.6
	7:00 AM	68.9
	8:00 AM	70.3
	9:00 AM	67.8
	10:00 AM	67.4





Noise Measurement Photographs at Site 16 – 11330 Denair St, Los Angeles



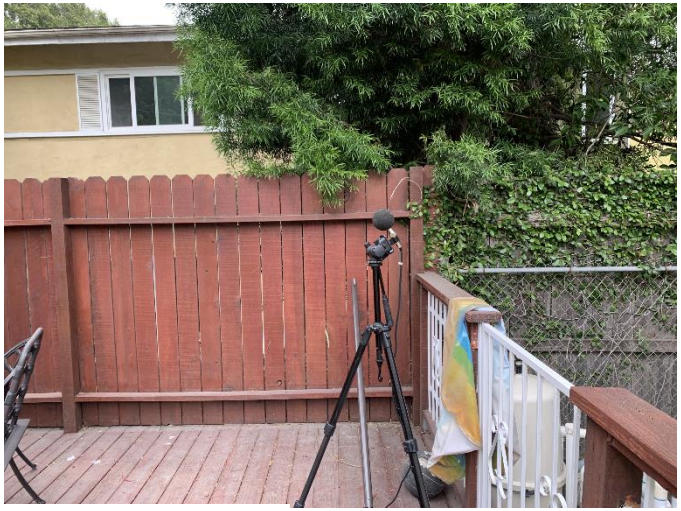
Looking Northeast



Looking Northwest

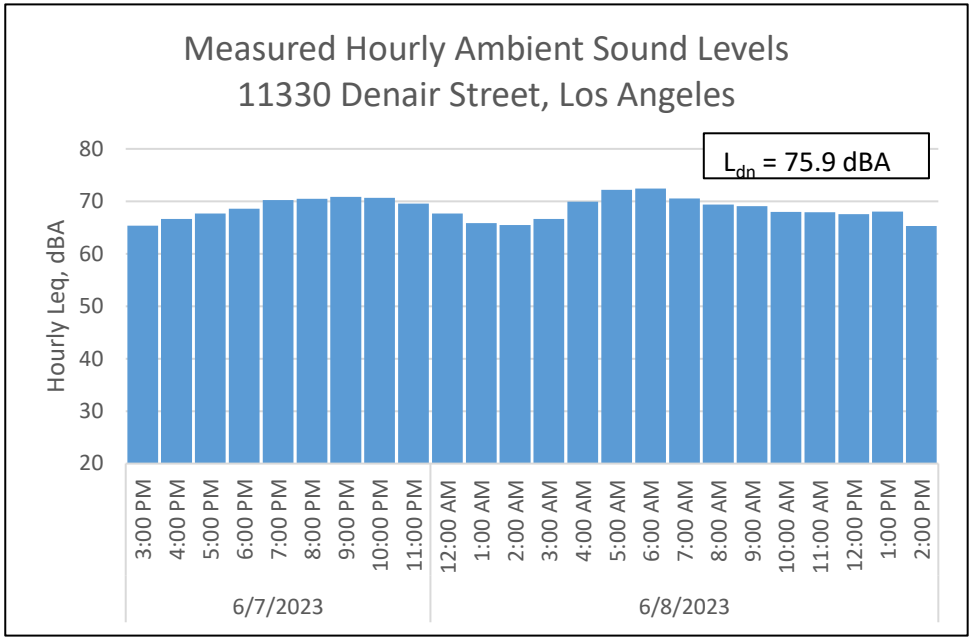


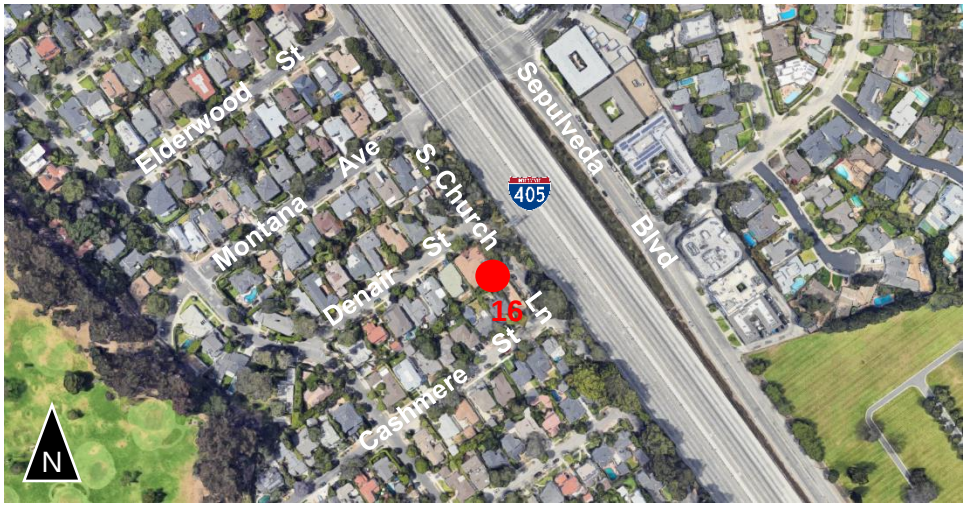
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/7/2023	3:00 PM	65.4
	4:00 PM	66.6
	5:00 PM	67.7
	6:00 PM	68.6
	7:00 PM	70.2
	8:00 PM	70.5
	9:00 PM	70.9
	10:00 PM	70.7
	11:00 PM	69.6
6/8/2023	12:00 AM	67.6
	1:00 AM	65.9
	2:00 AM	65.5
	3:00 AM	66.7
	4:00 AM	70.0
	5:00 AM	72.2
	6:00 AM	72.4
	7:00 AM	70.6
	8:00 AM	69.4
	9:00 AM	69.1
	10:00 AM	68.0
	11:00 AM	67.9
	12:00 PM	67.6
	1:00 PM	68.1
	2:00 PM	65.3





Noise Measurement Photographs at Site 18 – 353 Dalkeith Ave, Los Angeles



Looking Northeast



Looking Northwest

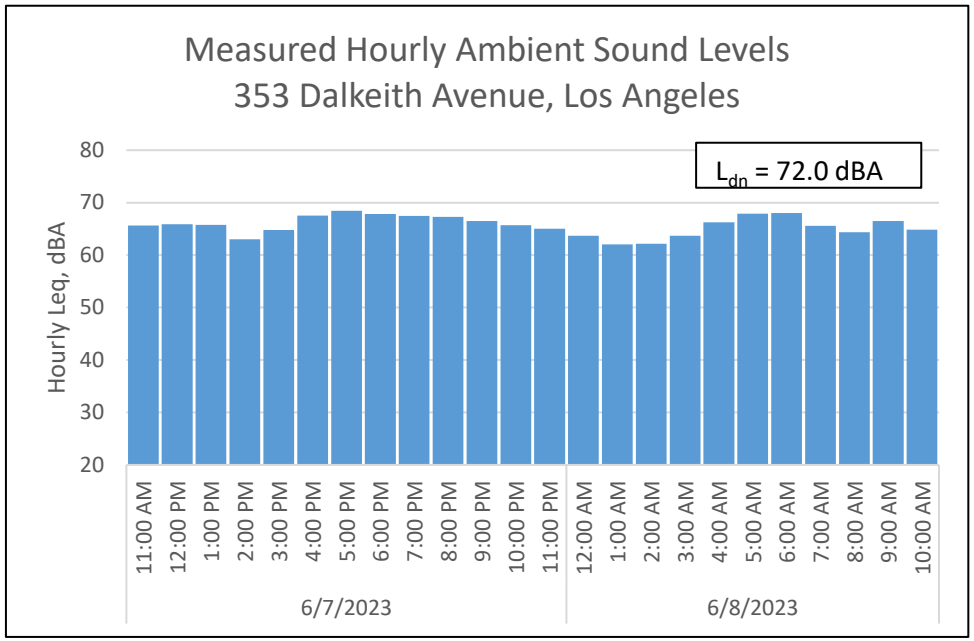


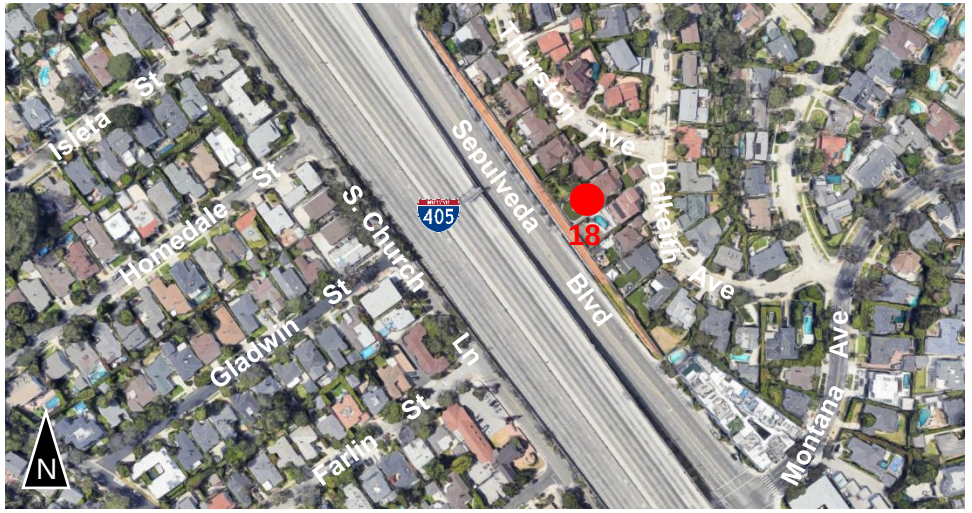
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/7/2023	11:00 AM	65.6
	12:00 PM	65.9
	1:00 PM	65.8
	2:00 PM	63.0
	3:00 PM	64.8
	4:00 PM	67.5
	5:00 PM	68.5
	6:00 PM	67.9
	7:00 PM	67.5
	8:00 PM	67.3
	9:00 PM	66.5
	10:00 PM	65.7
	11:00 PM	65.1
6/8/2023	12:00 AM	63.7
	1:00 AM	62.1
	2:00 AM	62.2
	3:00 AM	63.7
	4:00 AM	66.3
	5:00 AM	67.9
	6:00 AM	68.0
	7:00 AM	65.6
	8:00 AM	64.3
	9:00 AM	66.5
	10:00 AM	64.8





Noise Measurement Photographs at Site 19 – 10620 Bellagio Rd, Los Angeles



Looking East



Looking Northeast

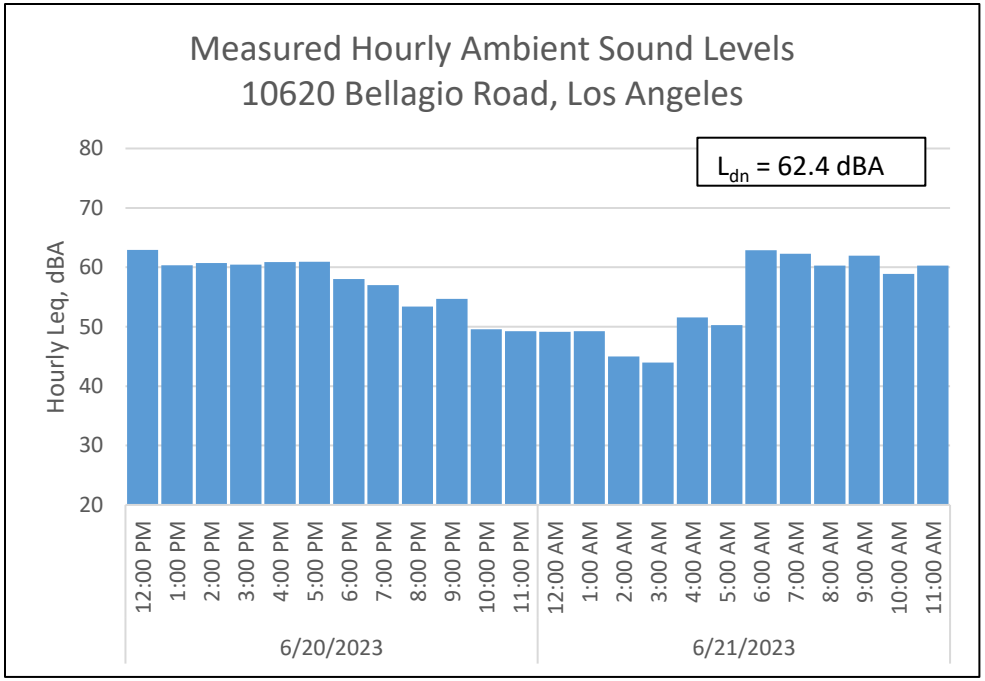


Looking Southeast



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/20/2023	12:00 PM	62.9
	1:00 PM	60.3
	2:00 PM	60.7
	3:00 PM	60.5
	4:00 PM	60.9
	5:00 PM	61.0
	6:00 PM	58.0
	7:00 PM	57.0
	8:00 PM	53.4
	9:00 PM	54.7
	10:00 PM	49.6
	11:00 PM	49.2
6/21/2023	12:00 AM	49.1
	1:00 AM	49.2
	2:00 AM	45.0
	3:00 AM	44.0
	4:00 AM	51.6
	5:00 AM	50.3
	6:00 AM	62.9
	7:00 AM	62.3
	8:00 AM	60.3
	9:00 AM	62.0
	10:00 AM	58.9
	11:00 AM	60.3

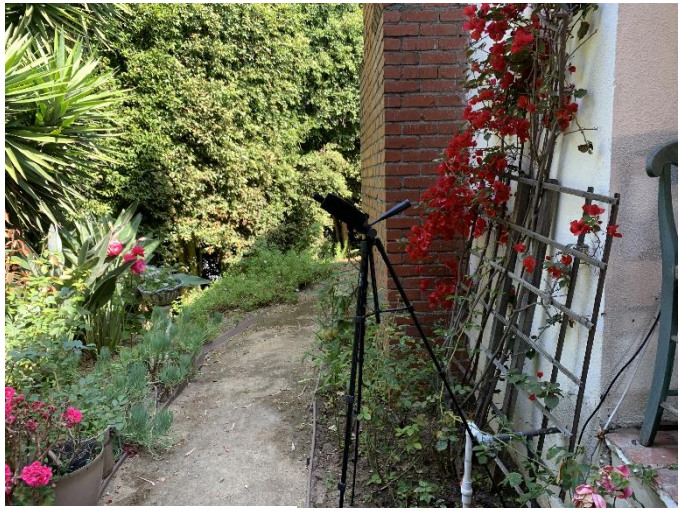




Noise Measurement Photographs at Site 20 – 11420 Thurston Cir, Los Angeles



Looking Northeast



Looking Northwest

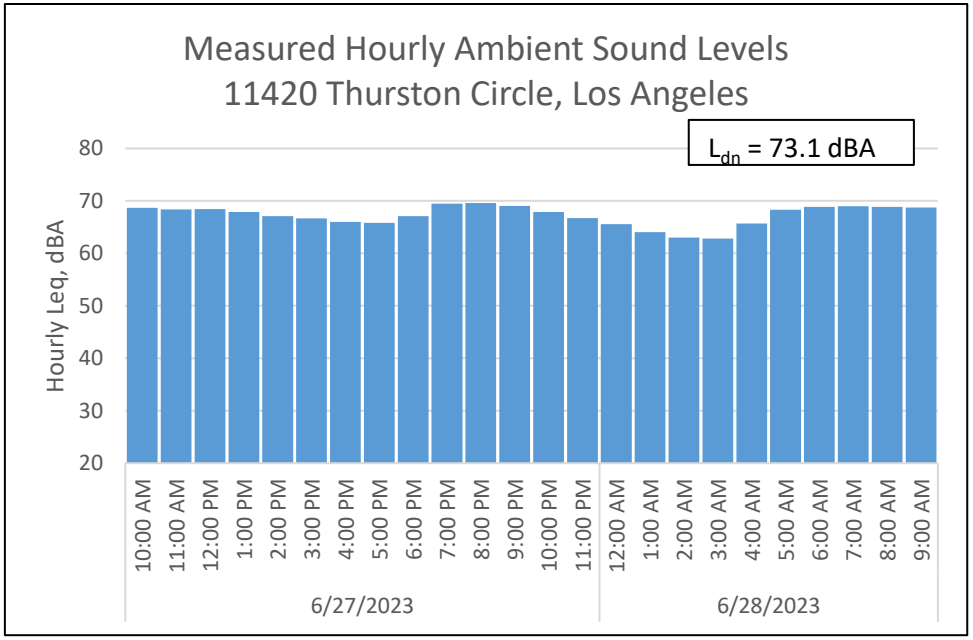


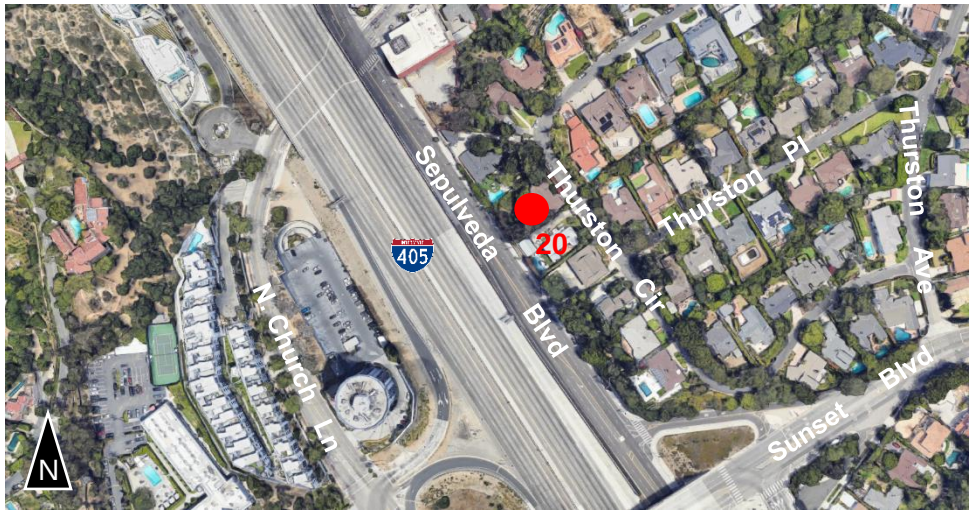
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/27/2023	10:00 AM	68.7
	11:00 AM	68.4
	12:00 PM	68.4
	1:00 PM	67.9
	2:00 PM	67.1
	3:00 PM	66.6
	4:00 PM	66.0
	5:00 PM	65.8
	6:00 PM	67.1
	7:00 PM	69.5
	8:00 PM	69.6
	9:00 PM	69.1
	10:00 PM	67.9
	11:00 PM	66.7
6/28/2023	12:00 AM	65.6
	1:00 AM	64.0
	2:00 AM	63.0
	3:00 AM	62.8
	4:00 AM	65.7
	5:00 AM	68.3
	6:00 AM	68.9
	7:00 AM	69.0
	8:00 AM	68.9
	9:00 AM	68.7





Noise Measurement Photographs at Site 21 – Hotel Angeleno, 170 N. Church Ln, Los Angeles



Looking Northeast



Looking Northwest

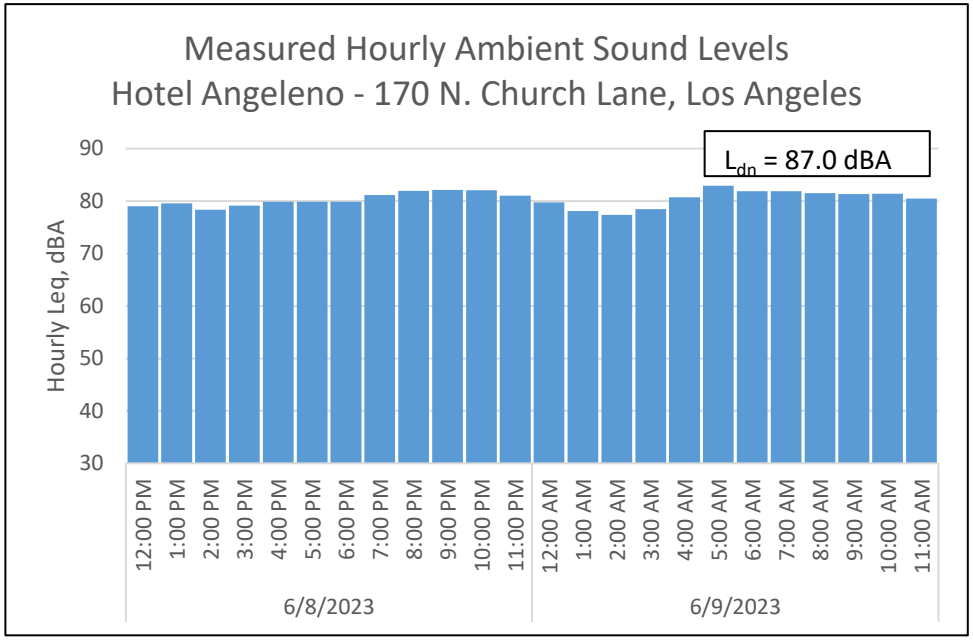


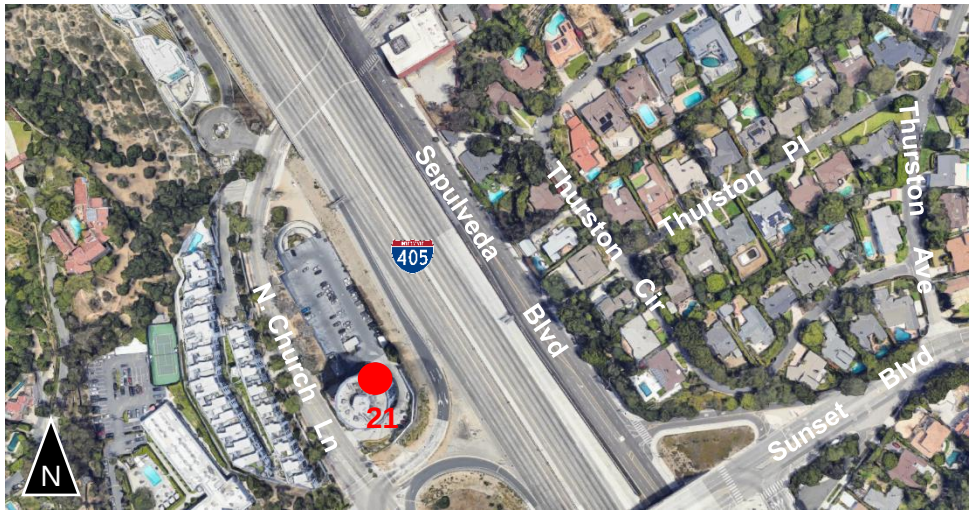
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/8/2023	12:00 PM	79.0
	1:00 PM	79.6
	2:00 PM	78.3
	3:00 PM	79.1
	4:00 PM	79.9
	5:00 PM	79.9
	6:00 PM	79.9
	7:00 PM	81.1
	8:00 PM	81.9
	9:00 PM	82.1
	10:00 PM	82.1
	11:00 PM	81.1
6/9/2023	12:00 AM	79.7
	1:00 AM	78.1
	2:00 AM	77.4
	3:00 AM	78.4
	4:00 AM	80.7
	5:00 AM	82.9
	6:00 AM	81.9
	7:00 AM	81.9
	8:00 AM	81.5
	9:00 AM	81.3
	10:00 AM	81.4
	11:00 AM	80.5





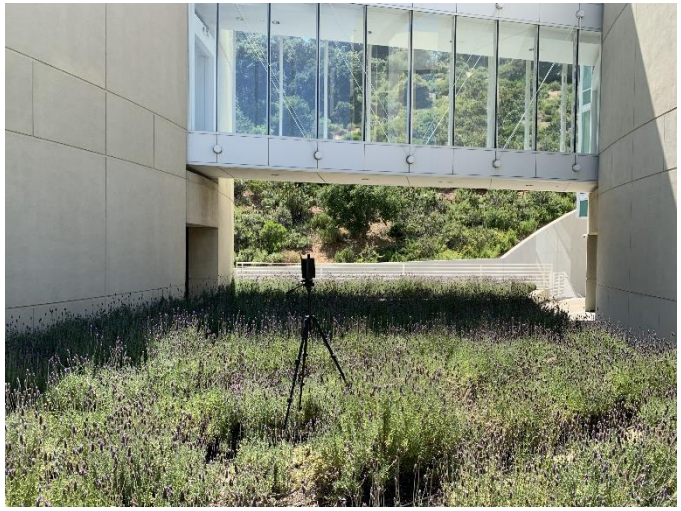
Noise Measurement Photographs at Site 22 – Getty Center South Building, 199 N. Church Ln, Los Angeles



Looking Northeast



Looking Northwest

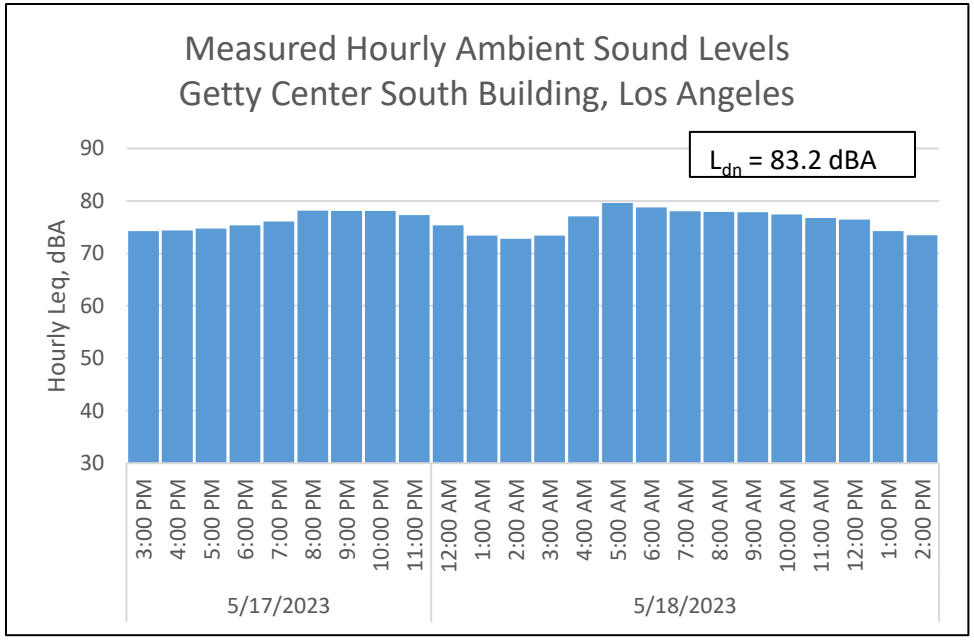


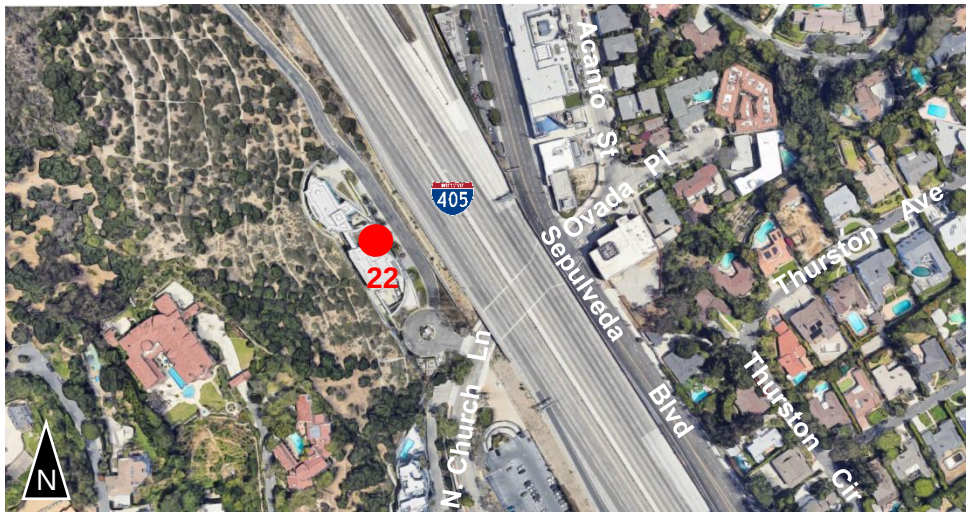
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/17/2023	3:00 PM	74.3
	4:00 PM	74.4
	5:00 PM	74.7
	6:00 PM	75.3
	7:00 PM	76.1
	8:00 PM	78.1
	9:00 PM	78.1
	10:00 PM	78.1
	11:00 PM	77.3
5/18/2023	12:00 AM	75.3
	1:00 AM	73.4
	2:00 AM	72.8
	3:00 AM	73.4
	4:00 AM	77.0
	5:00 AM	79.6
	6:00 AM	78.7
	7:00 AM	78.0
	8:00 AM	77.9
	9:00 AM	77.8
	10:00 AM	77.4
	11:00 AM	76.7
	12:00 PM	76.4
	1:00 PM	74.2
	2:00 PM	73.4





Noise Measurement Photographs at Site 23 – 11720 Bellagio Rd, Los Angeles



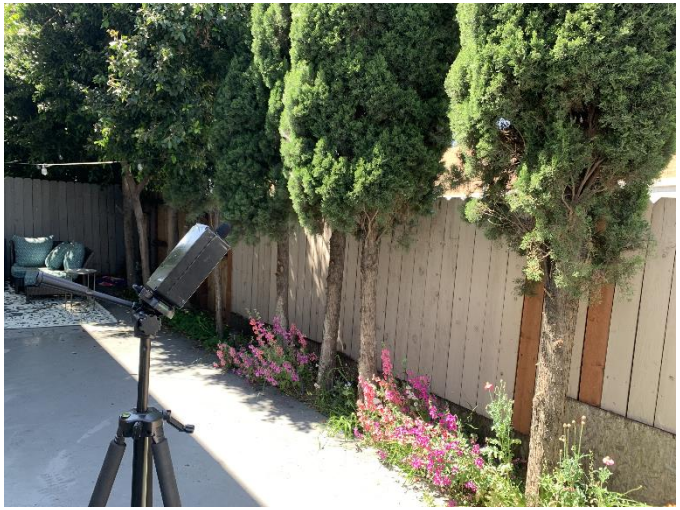
Looking Northeast



Looking Northwest

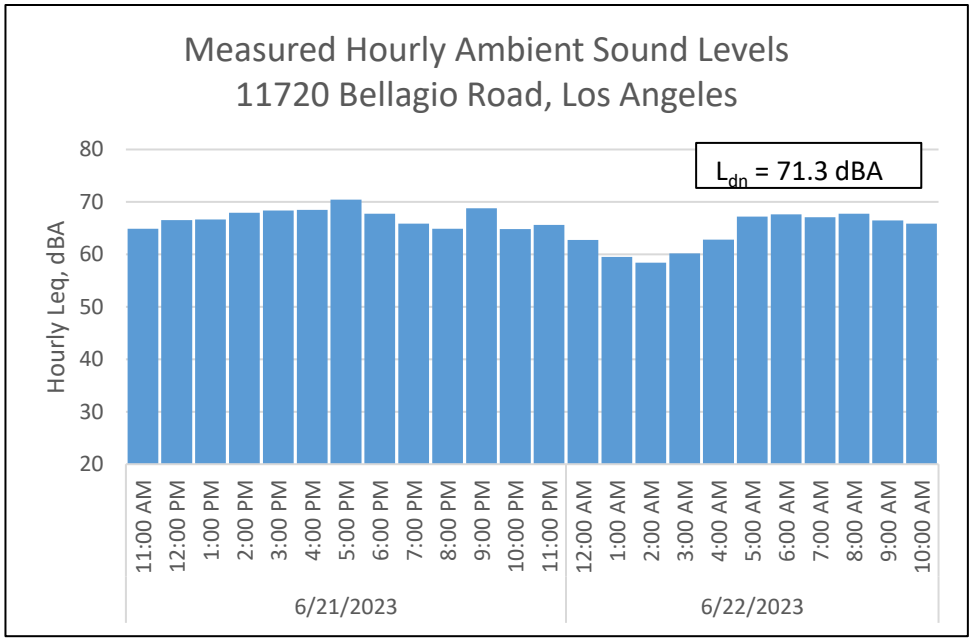


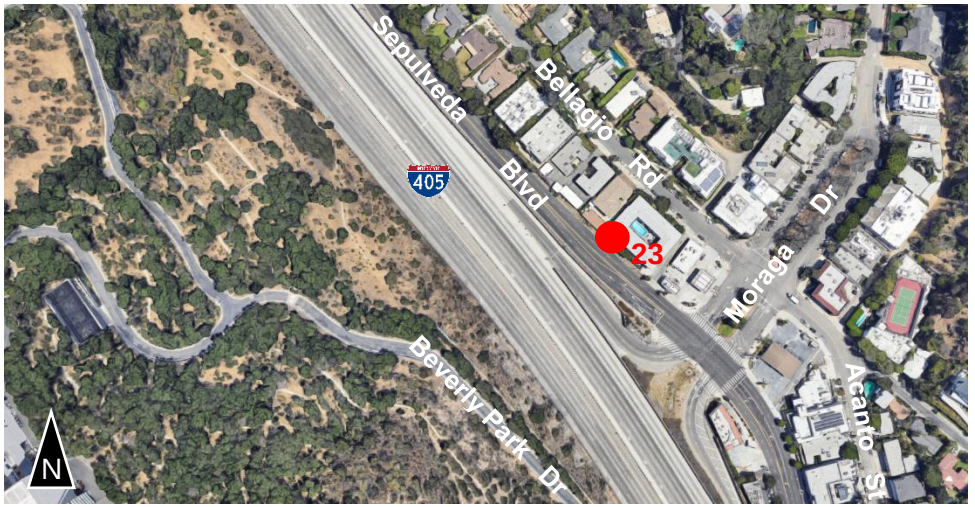
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/21/2023	11:00 AM	64.9
	12:00 PM	66.6
	1:00 PM	66.7
	2:00 PM	67.9
	3:00 PM	68.4
	4:00 PM	68.5
	5:00 PM	70.4
	6:00 PM	67.8
	7:00 PM	65.9
	8:00 PM	64.9
	9:00 PM	68.8
	10:00 PM	64.8
	11:00 PM	65.6
6/22/2023	12:00 AM	62.7
	1:00 AM	59.5
	2:00 AM	58.4
	3:00 AM	60.2
	4:00 AM	62.8
	5:00 AM	67.2
	6:00 AM	67.6
	7:00 AM	67.1
	8:00 AM	67.8
	9:00 AM	66.5
	10:00 AM	65.9





Noise Measurement Photographs at Site 24 – 11812 Bellagio Rd, Los Angeles



Looking Northeast



Looking Northwest

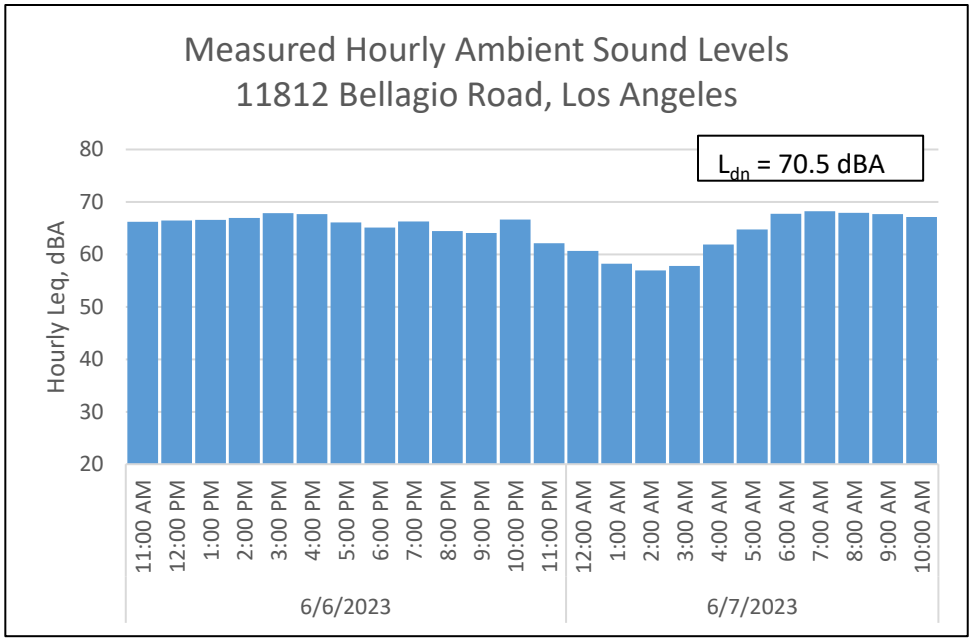


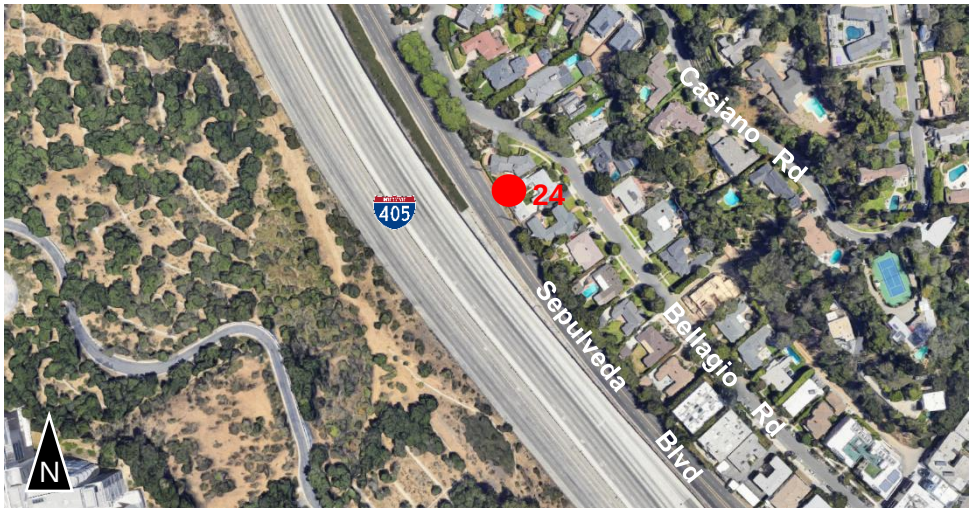
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/6/2023	11:00 AM	66.2
	12:00 PM	66.4
	1:00 PM	66.6
	2:00 PM	66.9
	3:00 PM	67.9
	4:00 PM	67.7
	5:00 PM	66.1
	6:00 PM	65.1
	7:00 PM	66.3
	8:00 PM	64.5
	9:00 PM	64.1
	10:00 PM	66.7
	11:00 PM	62.1
6/7/2023	12:00 AM	60.6
	1:00 AM	58.2
	2:00 AM	56.9
	3:00 AM	57.8
	4:00 AM	61.9
	5:00 AM	64.7
	6:00 AM	67.7
	7:00 AM	68.2
	8:00 AM	67.9
	9:00 AM	67.7
	10:00 AM	67.1





Noise Measurement Photographs at Site 25 – Leonard I. Beeman Early Childhood Center, 1300 N Sepulveda Blvd, Los Angeles



Looking Northeast



Looking Northwest

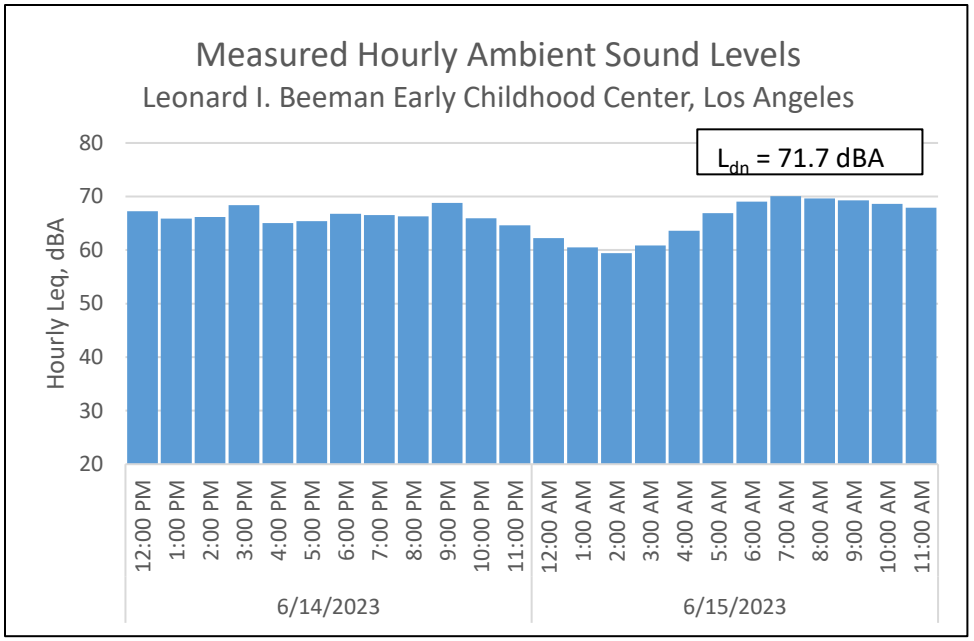


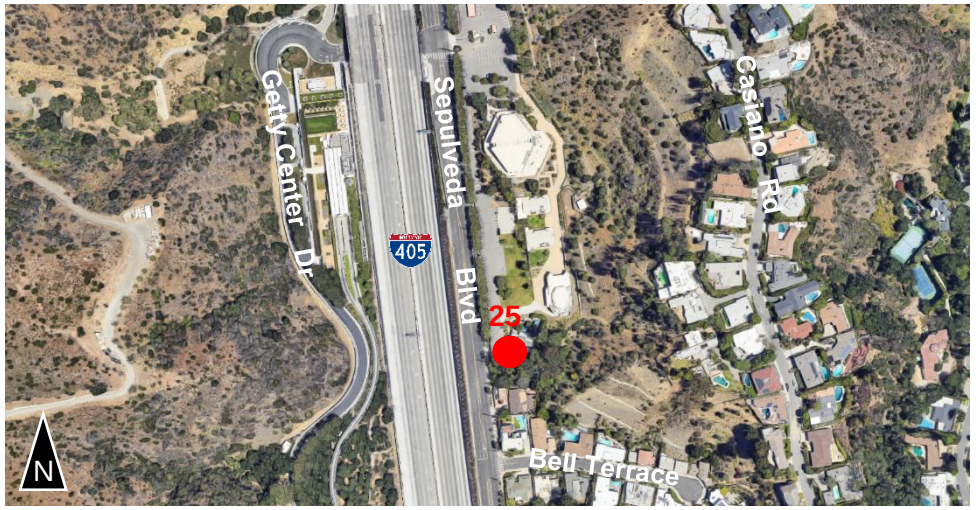
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/14/2023	12:00 PM	67.3
	1:00 PM	65.9
	2:00 PM	66.2
	3:00 PM	68.4
	4:00 PM	65.0
	5:00 PM	65.4
	6:00 PM	66.7
	7:00 PM	66.5
	8:00 PM	66.3
	9:00 PM	68.8
	10:00 PM	65.9
	11:00 PM	64.6
6/15/2023	12:00 AM	62.2
	1:00 AM	60.5
	2:00 AM	59.4
	3:00 AM	60.8
	4:00 AM	63.6
	5:00 AM	66.9
	6:00 AM	69.0
	7:00 AM	70.0
	8:00 AM	69.7
	9:00 AM	69.3
	10:00 AM	68.6
	11:00 AM	67.9





Noise Measurement Photographs at Site 26 – 1399 Casiano Rd, Los Angeles



Looking Northeast



Looking Northwest

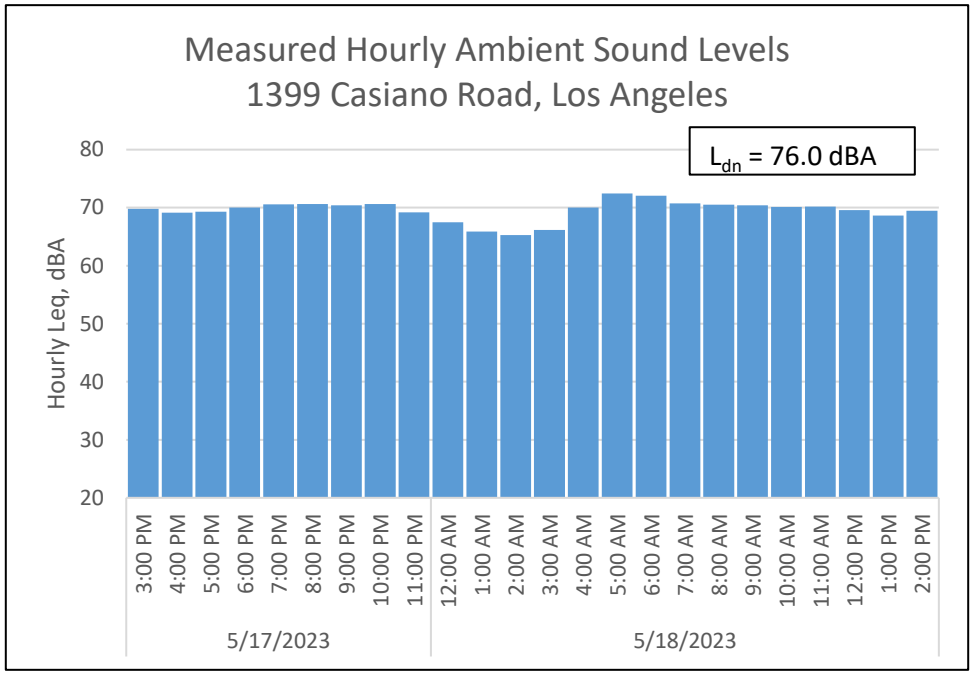


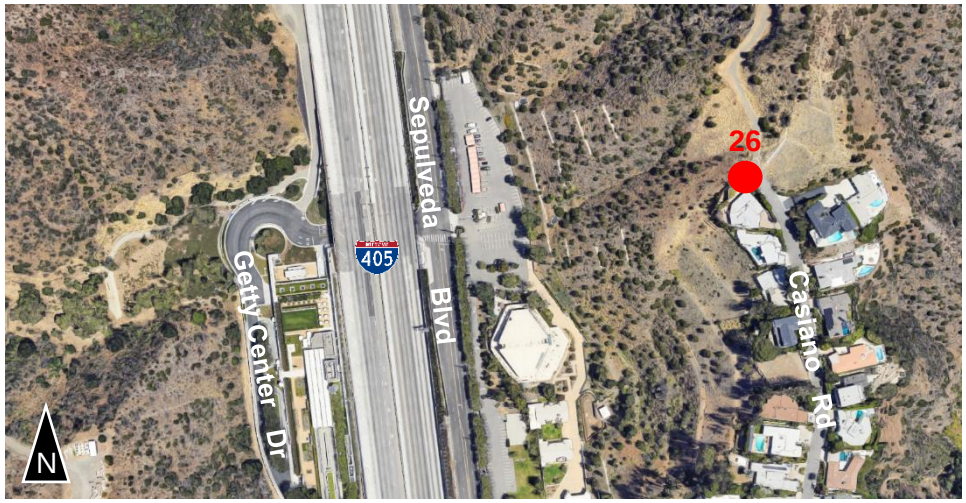
Looking Southwest



Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/17/2023	3:00 PM	69.8
	4:00 PM	69.1
	5:00 PM	69.3
	6:00 PM	70.0
	7:00 PM	70.6
	8:00 PM	70.6
	9:00 PM	70.4
	10:00 PM	70.6
	11:00 PM	69.2
5/18/2023	12:00 AM	67.5
	1:00 AM	65.9
	2:00 AM	65.3
	3:00 AM	66.2
	4:00 AM	70.0
	5:00 AM	72.4
	6:00 AM	72.1
	7:00 AM	70.7
	8:00 AM	70.5
	9:00 AM	70.4
	10:00 AM	70.1
	11:00 AM	70.2
	12:00 PM	69.6
	1:00 PM	68.7
	2:00 PM	69.5





Noise Measurement Photographs at Site 30 – 10635 Levico Way, Los Angeles



Looking East



Looking North

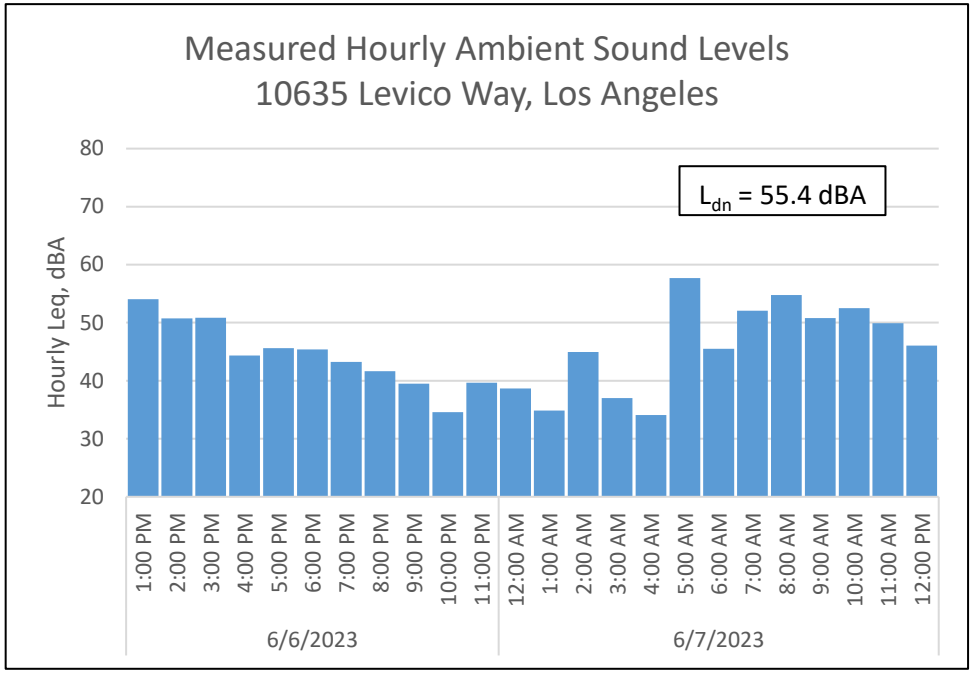


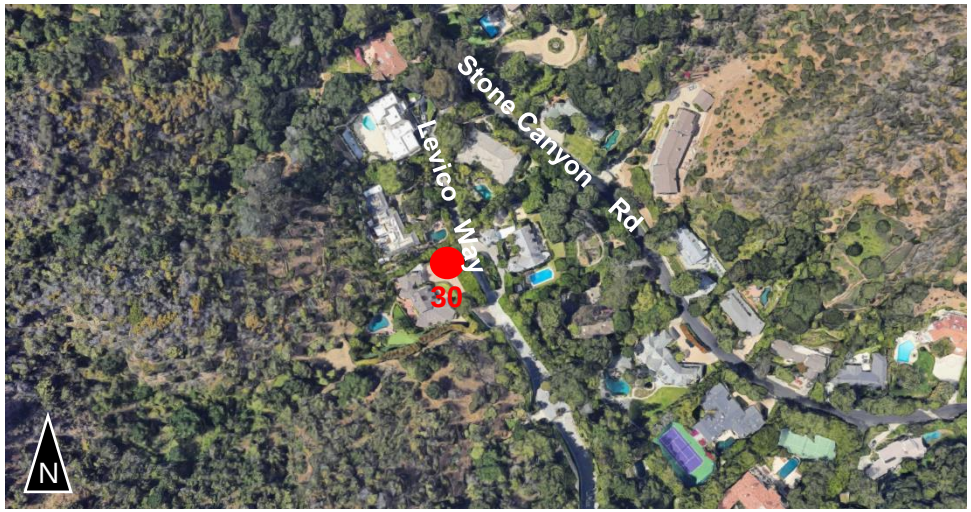
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/6/2023	1:00 PM	54.1
	2:00 PM	50.7
	3:00 PM	50.9
	4:00 PM	44.3
	5:00 PM	45.6
	6:00 PM	45.4
	7:00 PM	43.3
	8:00 PM	41.6
	9:00 PM	39.5
	10:00 PM	34.6
	11:00 PM	39.7
6/7/2023	12:00 AM	38.7
	1:00 AM	34.8
	2:00 AM	44.9
	3:00 AM	37.0
	4:00 AM	34.1
	5:00 AM	57.7
	6:00 AM	45.5
	7:00 AM	52.1
	8:00 AM	54.7
	9:00 AM	50.8
	10:00 AM	52.5
	11:00 AM	49.9
	12:00 PM	46.1





Noise Measurement Photographs at Site 31 – 2607 Basil Ln, Los Angeles



Looking East

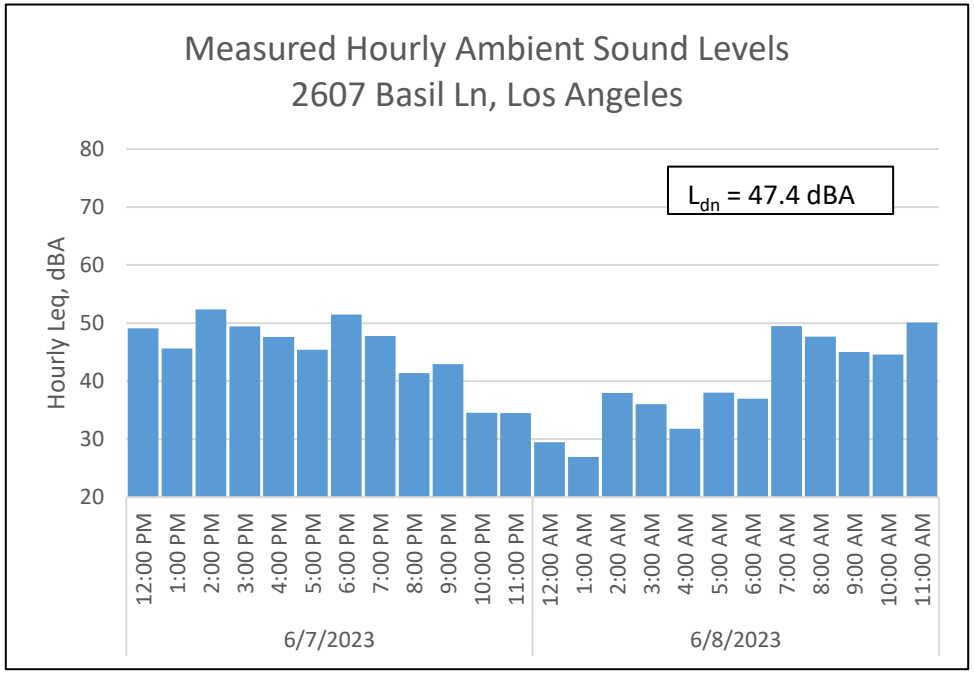


Looking South



Looking West

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/7/2023	12:00 PM	49.1
	1:00 PM	45.6
	2:00 PM	52.3
	3:00 PM	49.4
	4:00 PM	47.6
	5:00 PM	45.4
	6:00 PM	51.5
	7:00 PM	47.8
	8:00 PM	41.4
	9:00 PM	42.9
	10:00 PM	34.6
	11:00 PM	34.5
6/8/2023	12:00 AM	29.5
	1:00 AM	26.9
	2:00 AM	38.0
	3:00 AM	36.0
	4:00 AM	31.8
	5:00 AM	38.0
	6:00 AM	37.0
	7:00 AM	49.5
	8:00 AM	47.6
	9:00 AM	45.0
	10:00 AM	44.6
	11:00 AM	50.1





Noise Measurement Photographs at Site 32 – 2341 Donella Cir, Los Angeles



Looking East



Looking North

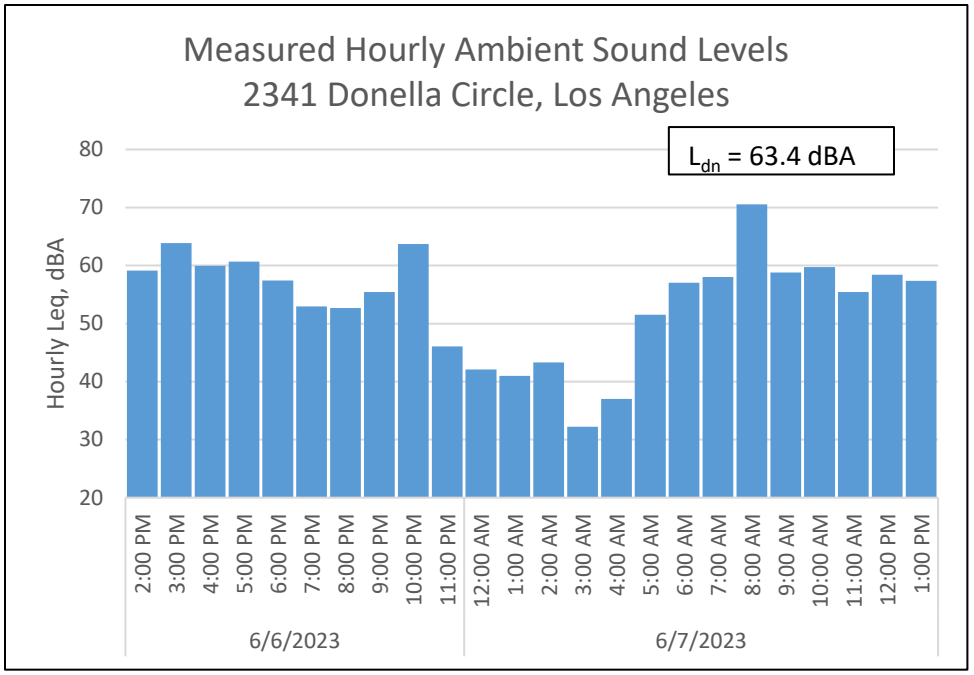


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/6/2023	2:00 PM	59.1
	3:00 PM	63.9
	4:00 PM	59.9
	5:00 PM	60.7
	6:00 PM	57.4
	7:00 PM	52.9
	8:00 PM	52.7
	9:00 PM	55.5
	10:00 PM	63.7
6/7/2023	11:00 PM	46.1
	12:00 AM	42.1
	1:00 AM	41.0
	2:00 AM	43.3
	3:00 AM	32.2
	4:00 AM	37.0
	5:00 AM	51.5
	6:00 AM	57.0
	7:00 AM	58.0
	8:00 AM	70.5
	9:00 AM	58.8
	10:00 AM	59.7
	11:00 AM	55.4
	12:00 PM	58.4
	1:00 PM	57.3





Noise Measurement Photographs at Site 37 – 3490 Vista Haven Rd, Sherman Oaks



Looking East



Looking North

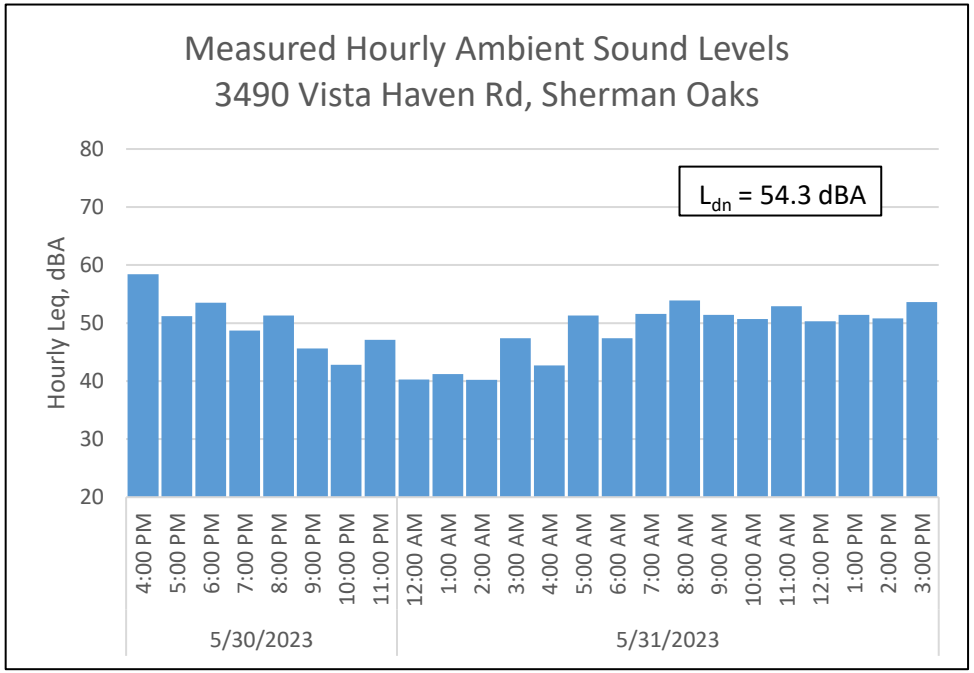


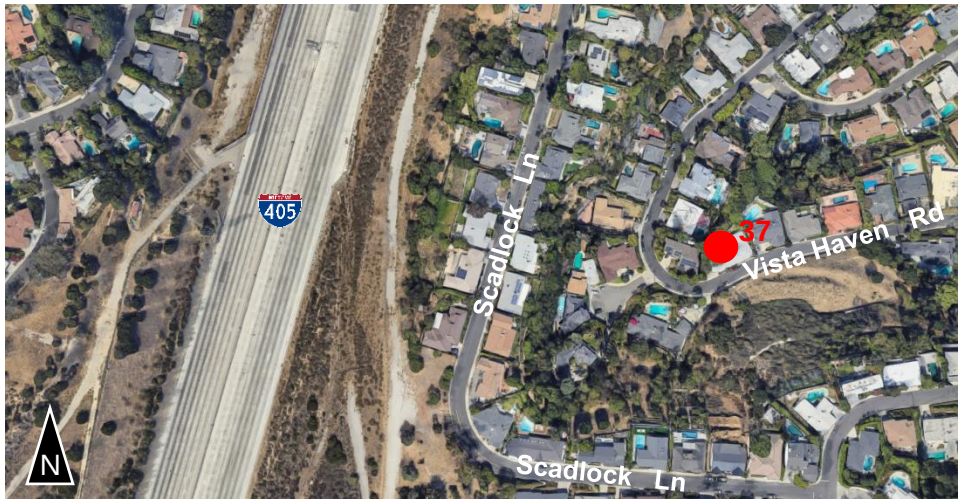
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/30/2023	4:00 PM	58.4
	5:00 PM	51.2
	6:00 PM	53.5
	7:00 PM	48.7
	8:00 PM	51.3
	9:00 PM	45.6
	10:00 PM	42.8
	11:00 PM	47.1
5/31/2023	12:00 AM	40.3
	1:00 AM	41.2
	2:00 AM	40.2
	3:00 AM	47.4
	4:00 AM	42.7
	5:00 AM	51.3
	6:00 AM	47.4
	7:00 AM	51.6
	8:00 AM	53.9
	9:00 AM	51.4
	10:00 AM	50.7
	11:00 AM	52.9
	12:00 PM	50.3
	1:00 PM	51.4
	2:00 PM	50.8
	3:00 PM	53.6





Noise Measurement Photographs at Site 38 – 15460 Briarwood Dr, Sherman Oaks



Looking East



Looking North

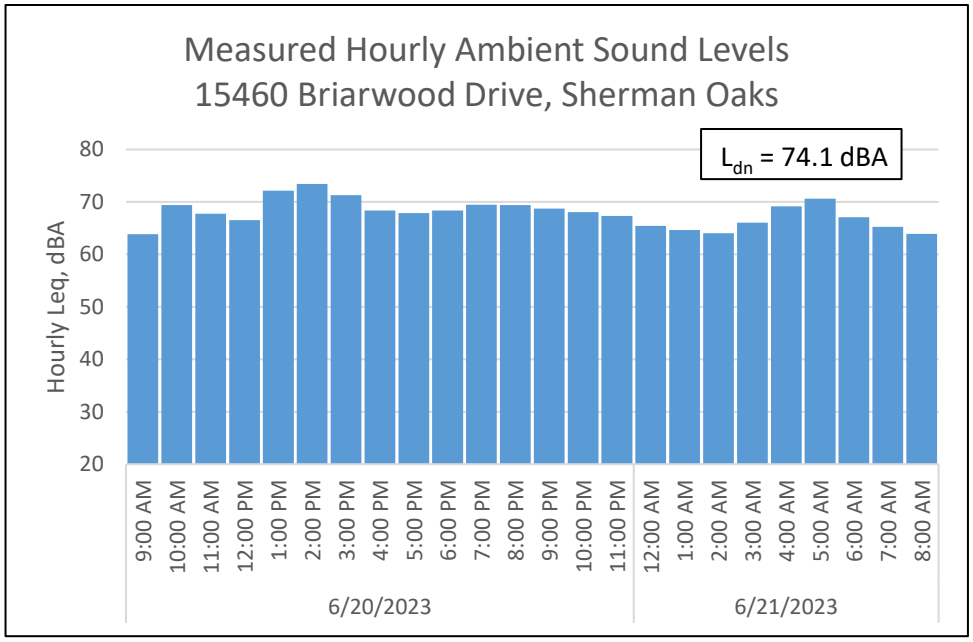


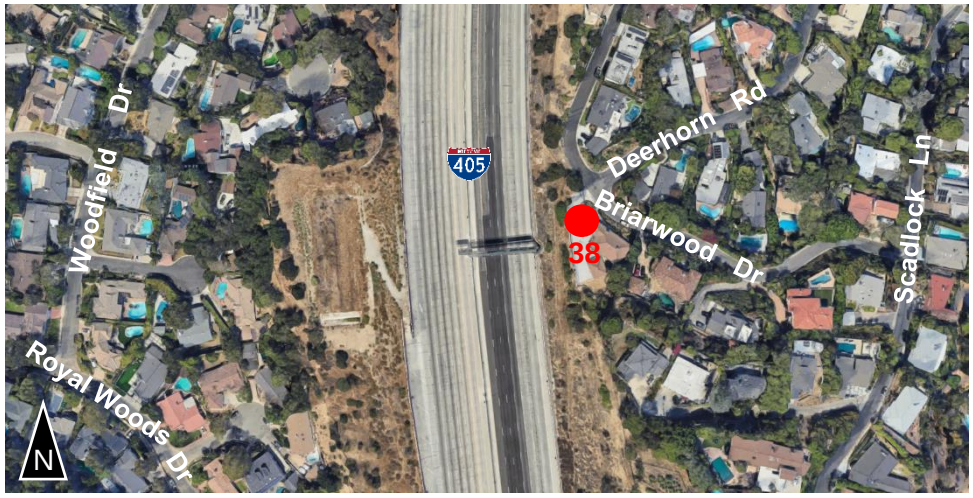
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/20/2023	9:00 AM	63.9
	10:00 AM	69.4
	11:00 AM	67.8
	12:00 PM	66.5
	1:00 PM	72.2
	2:00 PM	73.4
	3:00 PM	71.3
	4:00 PM	68.4
	5:00 PM	67.9
	6:00 PM	68.4
	7:00 PM	69.5
	8:00 PM	69.4
	9:00 PM	68.7
	10:00 PM	68.0
	11:00 PM	67.3
6/21/2023	12:00 AM	65.4
	1:00 AM	64.6
	2:00 AM	64.0
	3:00 AM	66.1
	4:00 AM	69.1
	5:00 AM	70.6
	6:00 AM	67.1
	7:00 AM	65.3
	8:00 AM	63.9





Noise Measurement Photographs at Site 39 – 15515 Woodcrest Dr, Sherman Oaks



Looking East



Looking North

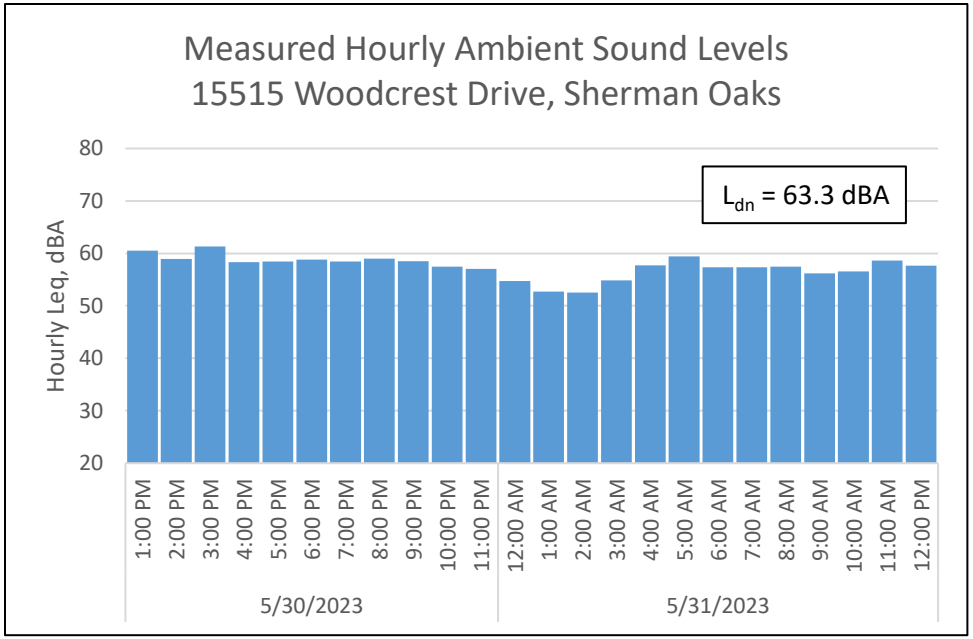


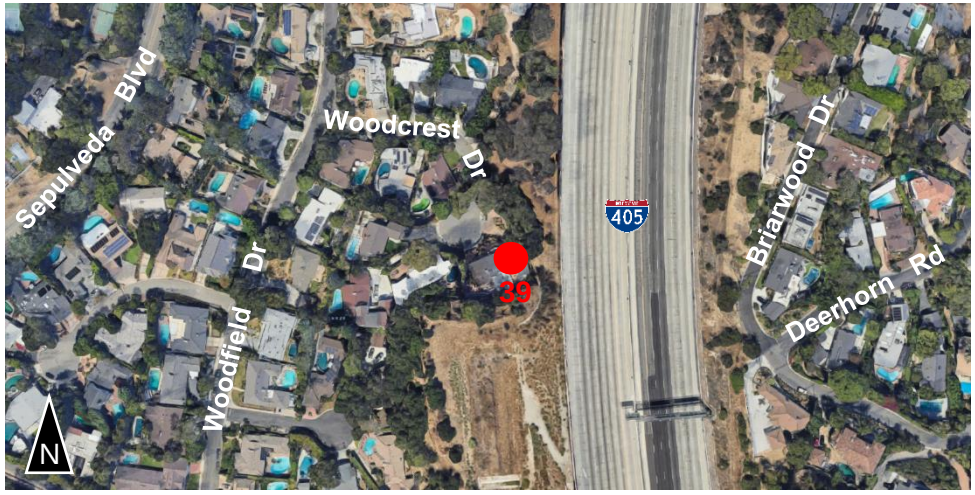
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/30/2023	1:00 PM	60.5
	2:00 PM	59.0
	3:00 PM	61.3
	4:00 PM	58.3
	5:00 PM	58.5
	6:00 PM	58.8
	7:00 PM	58.4
	8:00 PM	59.0
	9:00 PM	58.5
	10:00 PM	57.5
	11:00 PM	57.0
5/31/2023	12:00 AM	54.7
	1:00 AM	52.7
	2:00 AM	52.5
	3:00 AM	54.8
	4:00 AM	57.7
	5:00 AM	59.4
	6:00 AM	57.3
	7:00 AM	57.4
	8:00 AM	57.5
	9:00 AM	56.2
	10:00 AM	56.5
	11:00 AM	58.6
	12:00 PM	57.7





Noise Measurement Photographs at Site 41 – 15371 Del Gado Dr, Sherman Oaks



Looking East



Looking North

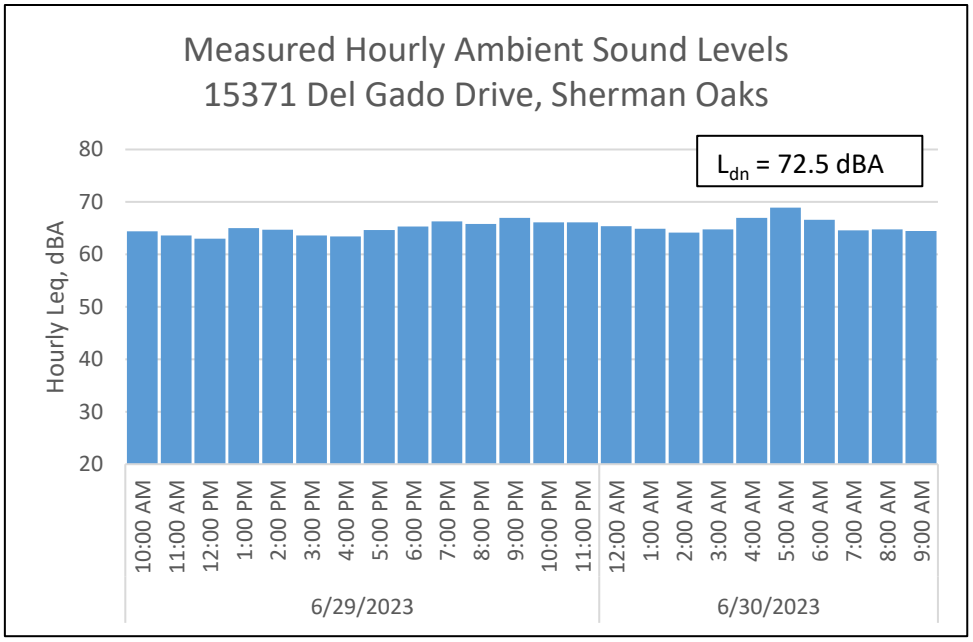


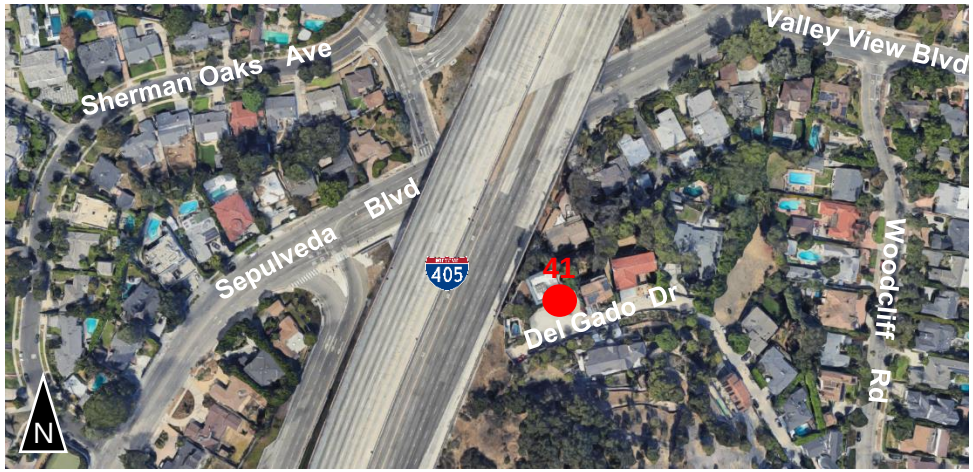
Looking West



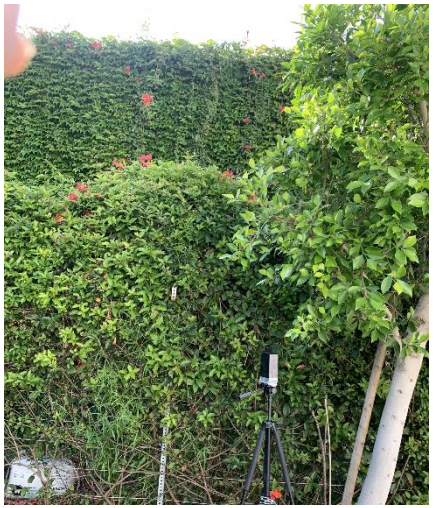
Looking Southeast

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/29/2023	10:00 AM	64.4
	11:00 AM	63.6
	12:00 PM	63.0
	1:00 PM	65.0
	2:00 PM	64.7
	3:00 PM	63.6
	4:00 PM	63.4
	5:00 PM	64.6
	6:00 PM	65.3
	7:00 PM	66.3
	8:00 PM	65.8
	9:00 PM	67.0
	10:00 PM	66.1
	11:00 PM	66.1
6/30/2023	12:00 AM	65.4
	1:00 AM	64.9
	2:00 AM	64.2
	3:00 AM	64.8
	4:00 AM	66.9
	5:00 AM	68.9
	6:00 AM	66.6
	7:00 AM	64.6
	8:00 AM	64.7
	9:00 AM	64.5

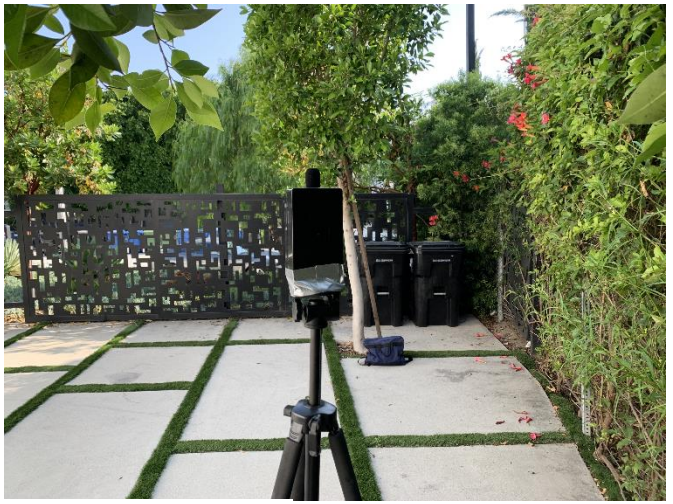




Noise Measurement Photographs at Site 42 – 15350 Sutton St, Sherman Oaks



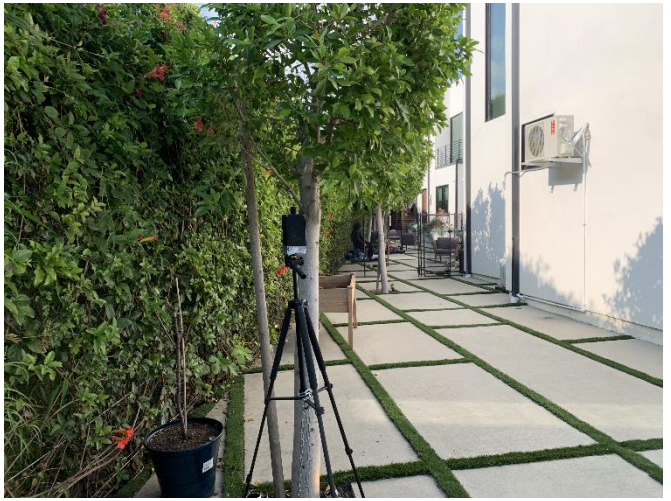
Looking East



Looking North

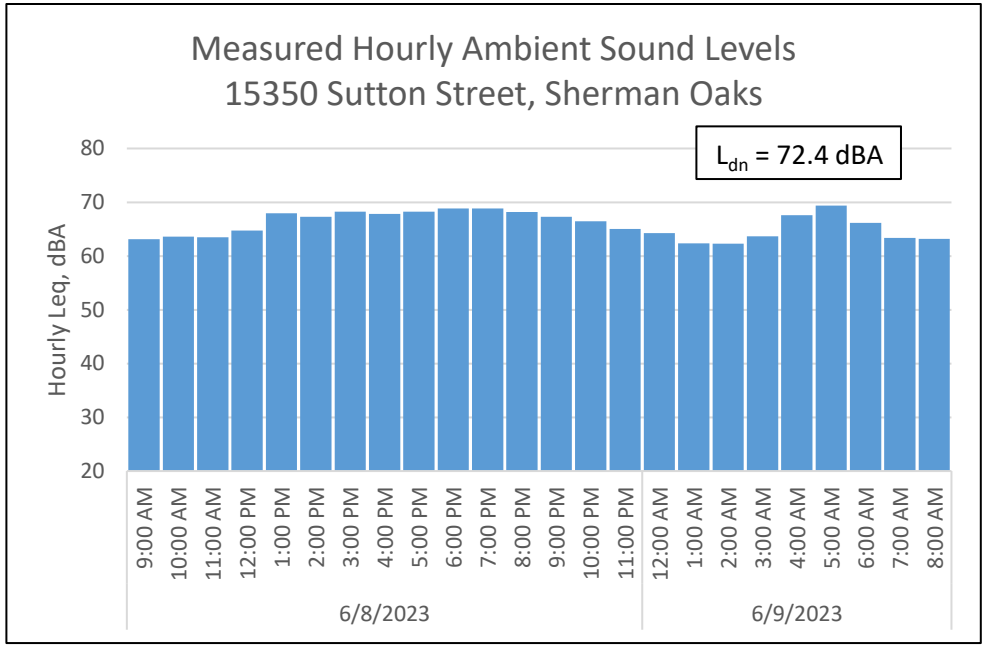


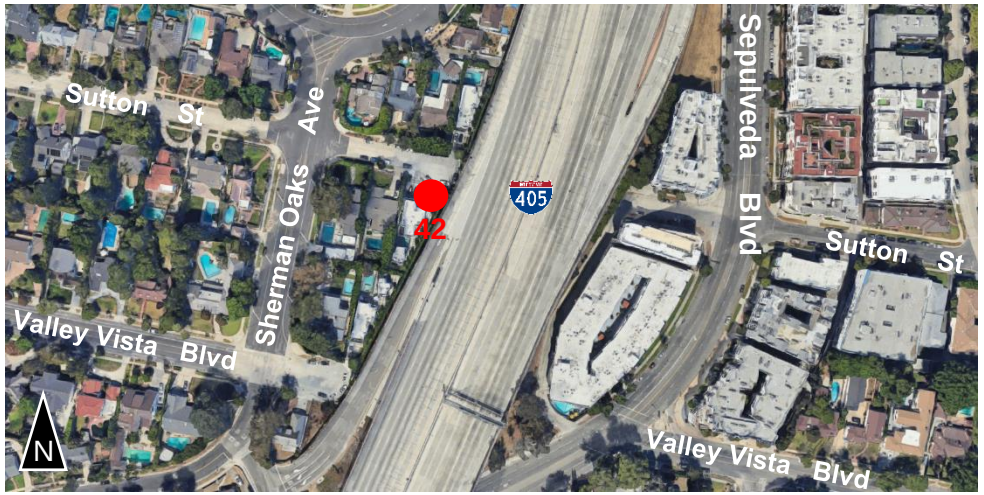
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/8/2023	9:00 AM	63.1
	8:00 AM	63.6
	10:00 AM	63.5
	11:00 AM	64.7
	12:00 PM	67.9
	1:00 PM	67.3
	2:00 PM	68.3
	3:00 PM	67.9
	4:00 PM	68.3
	5:00 PM	68.8
	6:00 PM	68.9
	7:00 PM	68.2
	8:00 PM	67.3
	9:00 PM	66.4
	10:00 PM	65.0
	11:00 PM	64.3
6/9/2023	12:00 AM	62.4
	1:00 AM	62.3
	2:00 AM	63.7
	3:00 AM	67.6
	4:00 AM	69.3
	5:00 AM	66.1
	6:00 AM	63.4
	7:00 AM	63.2





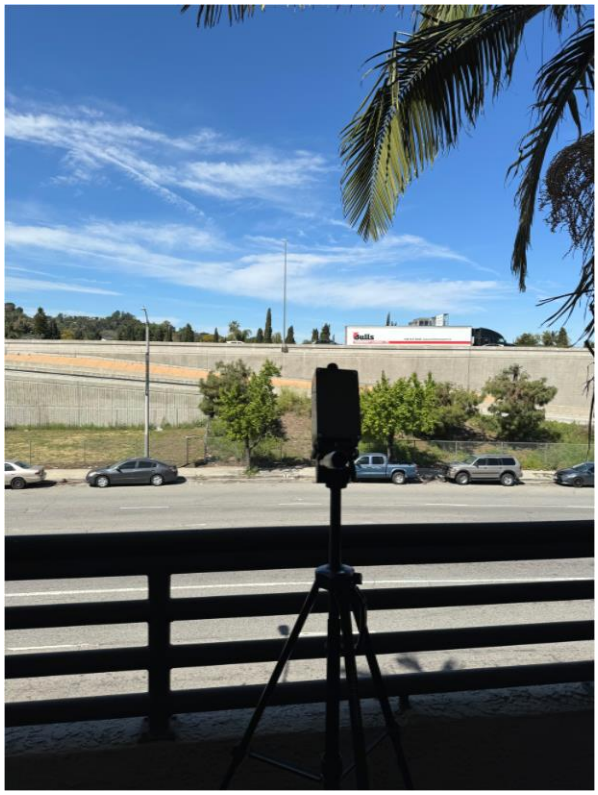
Noise Measurement Photographs at Site 43 – 4440 Sepulveda Blvd, Sherman Oaks



Looking East (from street level)



Looking North

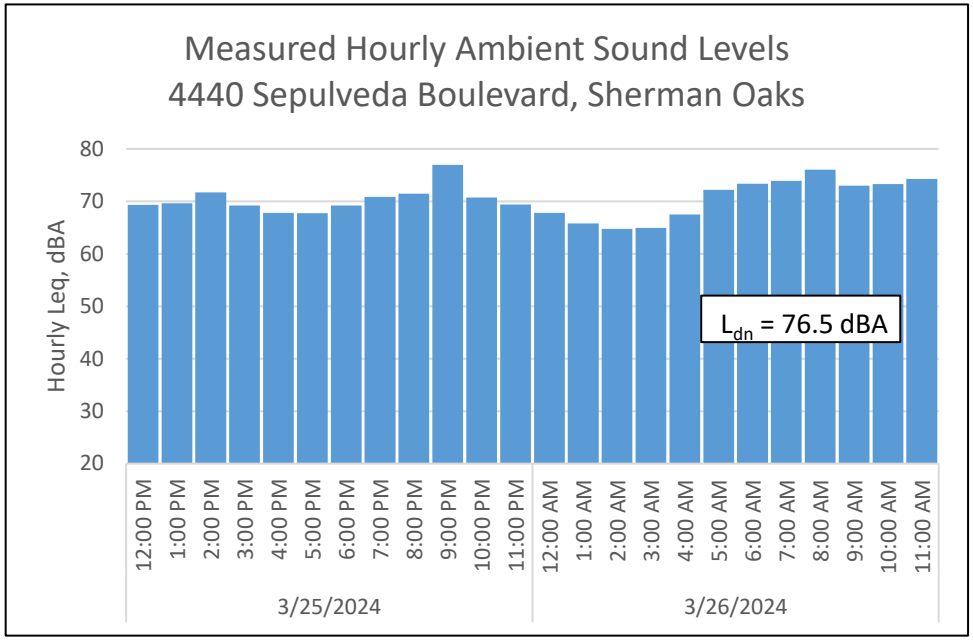


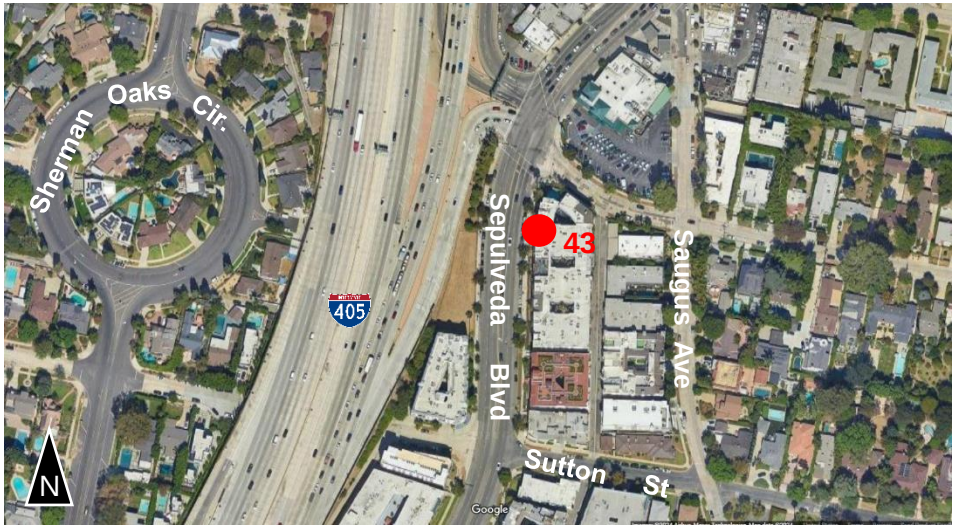
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
3/25/2024	12:00 PM	69.3
	1:00 PM	69.6
	2:00 PM	71.7
	3:00 PM	69.2
	4:00 PM	67.8
	5:00 PM	67.8
	6:00 PM	69.2
	7:00 PM	70.9
	8:00 PM	71.5
	9:00 PM	77.0
	10:00 PM	70.7
	11:00 PM	69.4
3/26/2024	12:00 AM	67.8
	1:00 AM	65.8
	2:00 AM	64.8
	3:00 AM	65.0
	4:00 AM	67.5
	5:00 AM	72.2
	6:00 AM	73.3
	7:00 AM	73.9
	8:00 AM	76.0
	9:00 AM	73.0
	10:00 AM	73.3
	11:00 AM	74.2





Noise Measurement Photographs at Site 44 – 4800 Sepulveda Blvd, Sherman Oaks



Looking East



Looking North

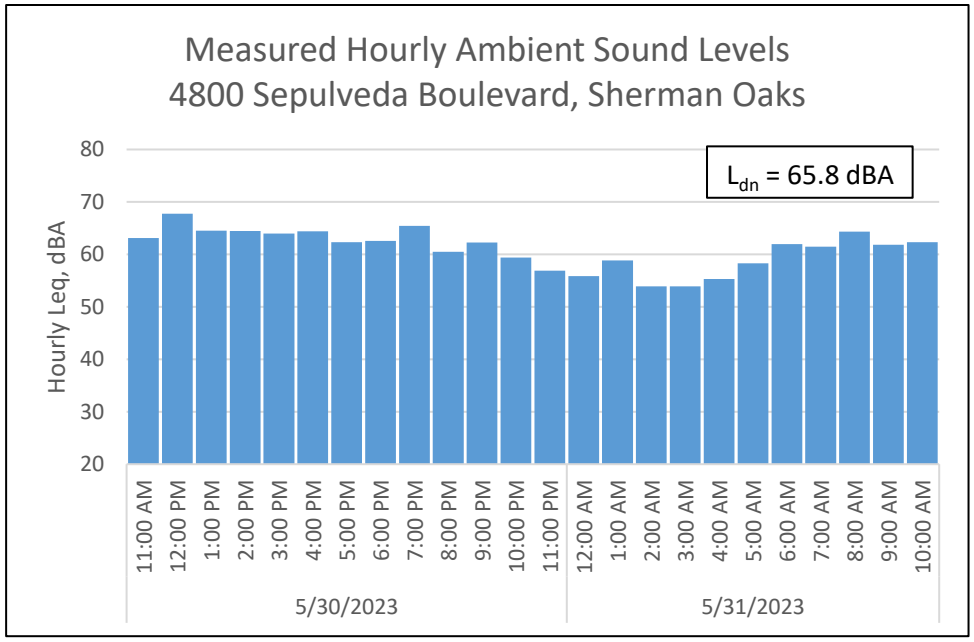


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/30/2023	11:00 AM	63.1
	12:00 PM	67.8
	1:00 PM	64.5
	2:00 PM	64.5
	3:00 PM	63.9
	4:00 PM	64.4
	5:00 PM	62.3
	6:00 PM	62.6
	7:00 PM	65.4
	8:00 PM	60.5
	9:00 PM	62.2
	10:00 PM	59.4
	11:00 PM	56.9
5/31/2023	12:00 AM	55.9
	1:00 AM	58.9
	2:00 AM	53.9
	3:00 AM	53.9
	4:00 AM	55.3
	5:00 AM	58.3
	6:00 AM	62.0
	7:00 AM	61.4
	8:00 AM	64.3
	9:00 AM	61.8
	10:00 AM	62.4





Noise Measurement Photographs at Site 45 – 15233½ Valleyheart Dr, Sherman Oaks



Looking East



Looking North

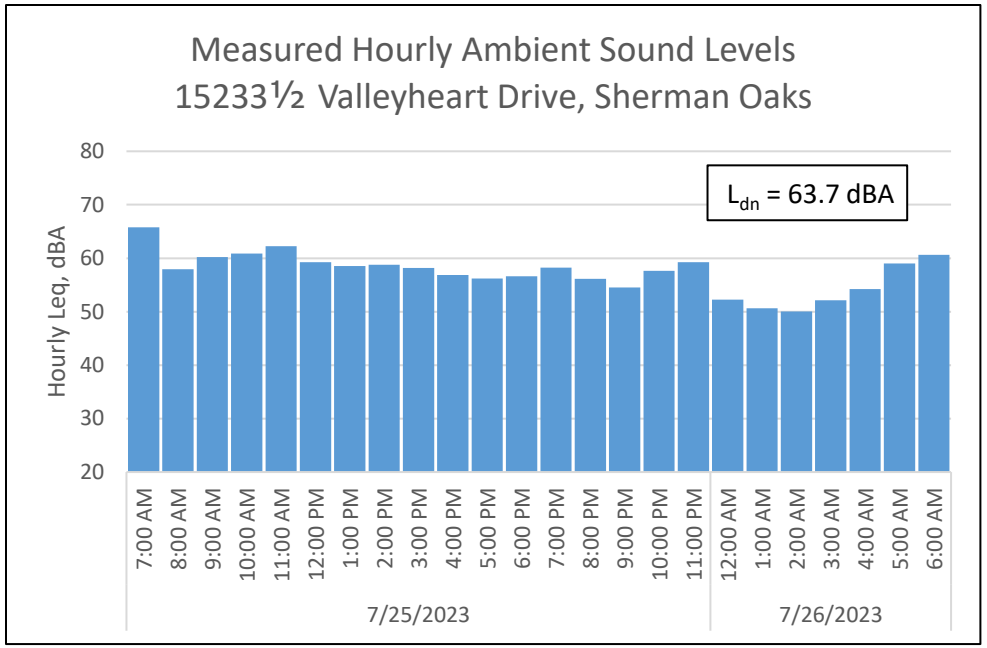


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/25/2023	7:00 AM	65.8
	8:00 AM	57.9
	9:00 AM	60.2
	10:00 AM	60.9
	11:00 AM	62.3
	12:00 PM	59.2
	1:00 PM	58.5
	2:00 PM	58.8
	3:00 PM	58.2
	4:00 PM	56.9
	5:00 PM	56.2
	6:00 PM	56.6
	7:00 PM	58.2
	8:00 PM	56.1
	9:00 PM	54.5
	10:00 PM	57.6
	11:00 PM	59.2
7/26/2023	12:00 AM	52.2
	1:00 AM	50.7
	2:00 AM	50.0
	3:00 AM	52.2
	4:00 AM	54.2
	5:00 AM	59.0
	6:00 AM	60.6





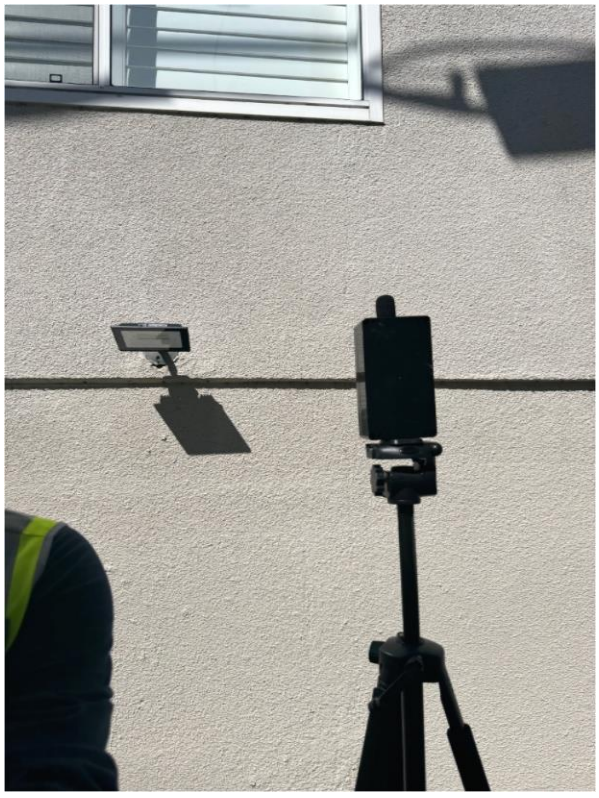
Noise Measurement Photographs at Site 47 – 14520 Magnolia Blvd, Sherman Oaks



Looking East (behind car wash)



Looking North

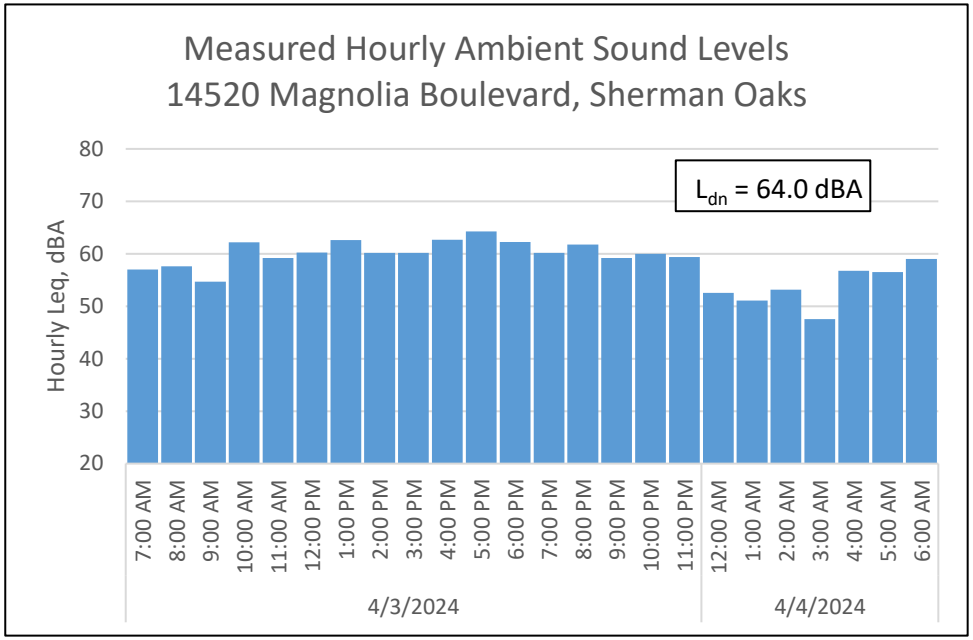


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
4/3/2024	7:00 AM	57.0
	8:00 AM	57.6
	9:00 AM	54.7
	10:00 AM	62.2
	11:00 AM	59.2
	12:00 PM	60.2
	1:00 PM	62.6
	2:00 PM	60.2
	3:00 PM	60.2
	4:00 PM	62.7
	5:00 PM	64.3
	6:00 PM	62.2
	7:00 PM	60.2
	8:00 PM	61.8
	9:00 PM	59.2
	10:00 PM	60.0
	11:00 PM	59.4
4/4/2024	12:00 AM	52.6
	1:00 AM	51.1
	2:00 AM	53.2
	3:00 AM	47.6
	4:00 AM	56.8
	5:00 AM	56.5
	6:00 AM	59.0





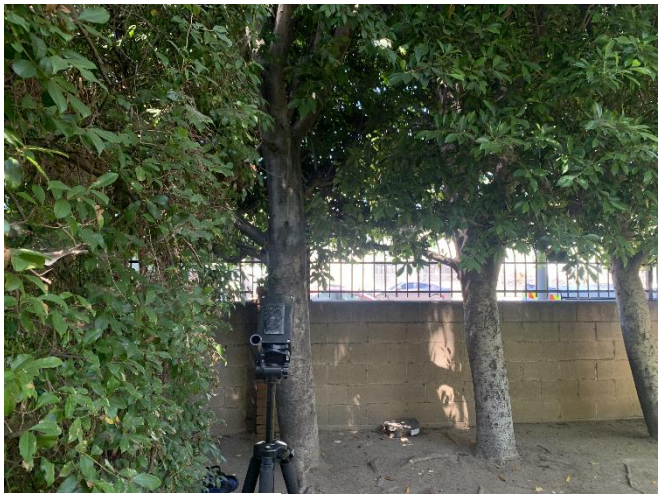
Noise Measurement Photographs at Site 48 – 15231 Magnolia Blvd, Sherman Oaks



Looking East



Looking North

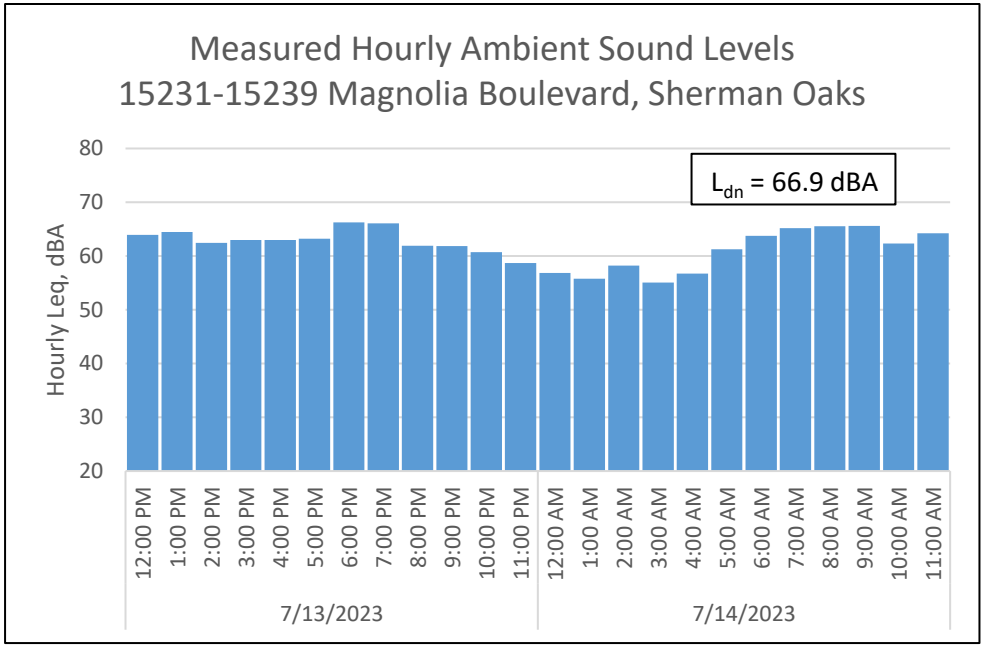


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/13/2023	12:00 PM	63.9
	1:00 PM	64.5
	2:00 PM	62.4
	3:00 PM	63.0
	4:00 PM	63.0
	5:00 PM	63.2
	6:00 PM	66.2
	7:00 PM	66.1
	8:00 PM	61.9
	9:00 PM	61.9
	10:00 PM	60.7
	11:00 PM	58.7
7/14/2023	12:00 AM	56.9
	1:00 AM	55.8
	2:00 AM	58.2
	3:00 AM	55.1
	4:00 AM	56.7
	5:00 AM	61.3
	6:00 AM	63.8
	7:00 AM	65.2
	8:00 AM	65.5
	9:00 AM	65.6
	10:00 AM	62.3
	11:00 AM	64.2

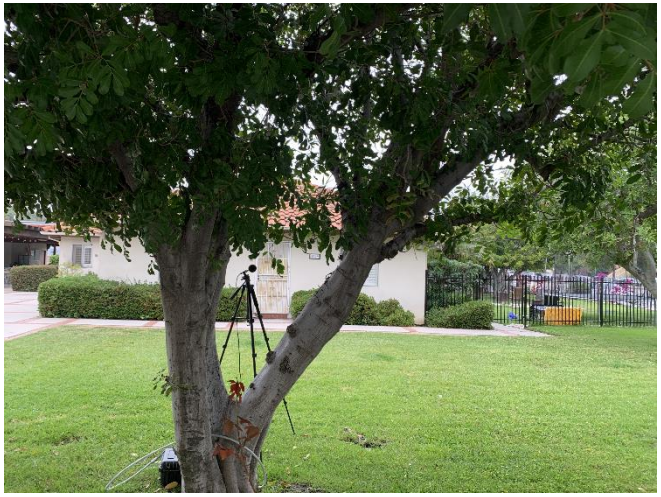




Noise Measurement Photographs at Site 49 – 5329 Sepulveda Blvd, Sherman Oaks



Looking East



Looking North

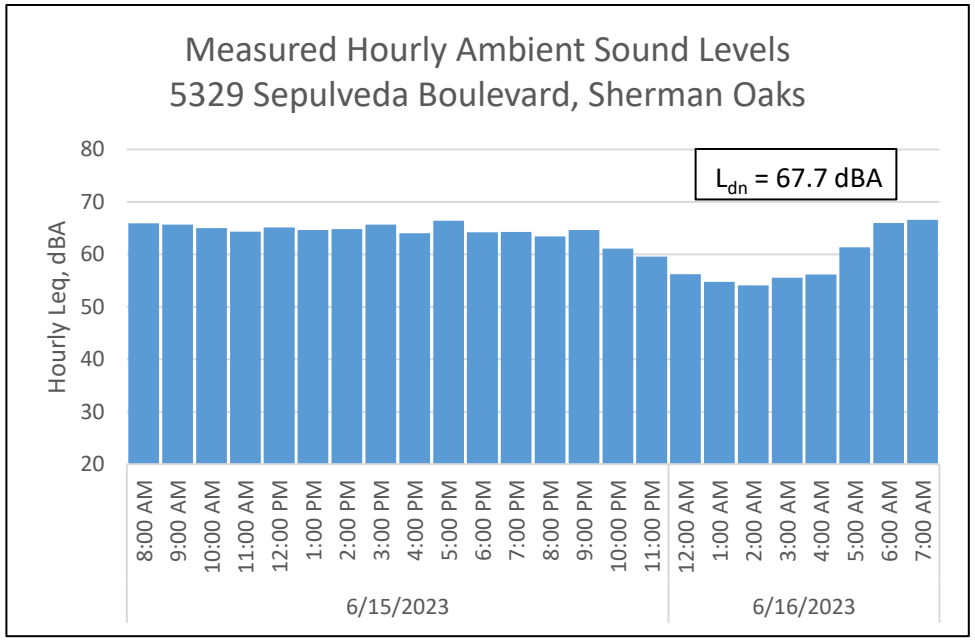


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/15/2023	8:00 AM	65.9
	9:00 AM	65.7
	10:00 AM	65.0
	11:00 AM	64.3
	12:00 PM	65.1
	1:00 PM	64.7
	2:00 PM	64.8
	3:00 PM	65.7
	4:00 PM	64.0
	5:00 PM	66.4
	6:00 PM	64.2
	7:00 PM	64.3
	8:00 PM	63.4
	9:00 PM	64.7
	10:00 PM	61.1
	11:00 PM	59.6
6/16/2023	12:00 AM	56.2
	1:00 AM	54.8
	2:00 AM	54.1
	3:00 AM	55.5
	4:00 AM	56.2
	5:00 AM	61.3
	6:00 AM	66.0
	7:00 AM	66.6





Noise Measurement Photographs at Site 50 – 15353 Weddington St, Sherman Oaks



Looking East



Looking North

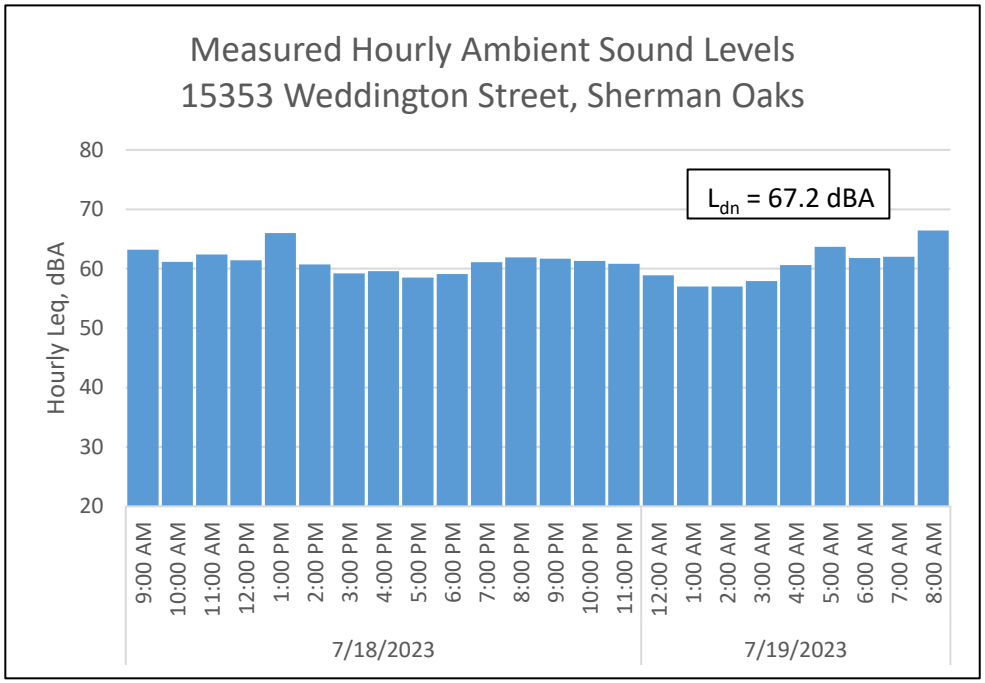


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/18/2023	9:00 AM	63.2
	10:00 AM	61.1
	11:00 AM	62.4
	12:00 PM	61.4
	1:00 PM	66.0
	2:00 PM	60.7
	3:00 PM	59.2
	4:00 PM	59.6
	5:00 PM	58.5
	6:00 PM	59.1
	7:00 PM	61.1
	8:00 PM	61.9
	9:00 PM	61.7
	10:00 PM	61.3
	11:00 PM	60.8
7/19/2023	12:00 AM	58.9
	1:00 AM	57.0
	2:00 AM	57.0
	3:00 AM	57.9
	4:00 AM	60.6
	5:00 AM	63.7
	6:00 AM	61.8
	7:00 AM	62.0
	8:00 AM	66.4





Noise Measurement Photographs at Site 51 – 5450 Sepulveda Blvd, Sherman Oaks



Looking East



Looking North

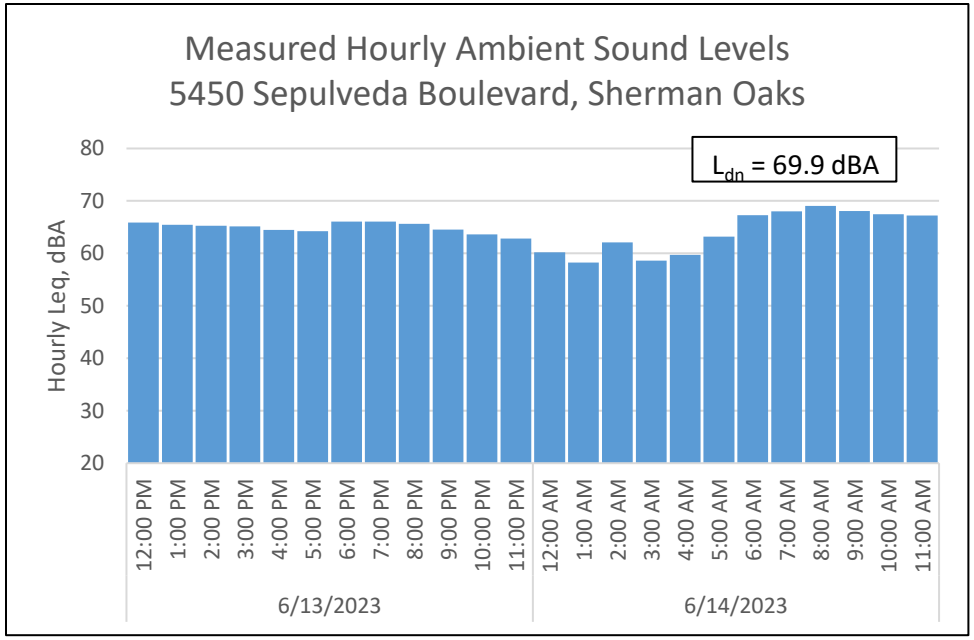


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/13/2023	12:00 PM	65.8
	1:00 PM	65.5
	2:00 PM	65.2
	3:00 PM	65.1
	4:00 PM	64.5
	5:00 PM	64.2
	6:00 PM	66.1
	7:00 PM	66.1
	8:00 PM	65.6
	9:00 PM	64.5
	10:00 PM	63.6
	11:00 PM	62.9
6/14/2023	12:00 AM	60.2
	1:00 AM	58.2
	2:00 AM	62.1
	3:00 AM	58.6
	4:00 AM	59.7
	5:00 AM	63.2
	6:00 AM	67.3
	7:00 AM	68.0
	8:00 AM	69.1
	9:00 AM	68.1
	10:00 AM	67.4
	11:00 AM	67.2





Noise Measurement Photographs at Site 52 – 6200 Blucher Ave, Van Nuys



Looking East



Looking North

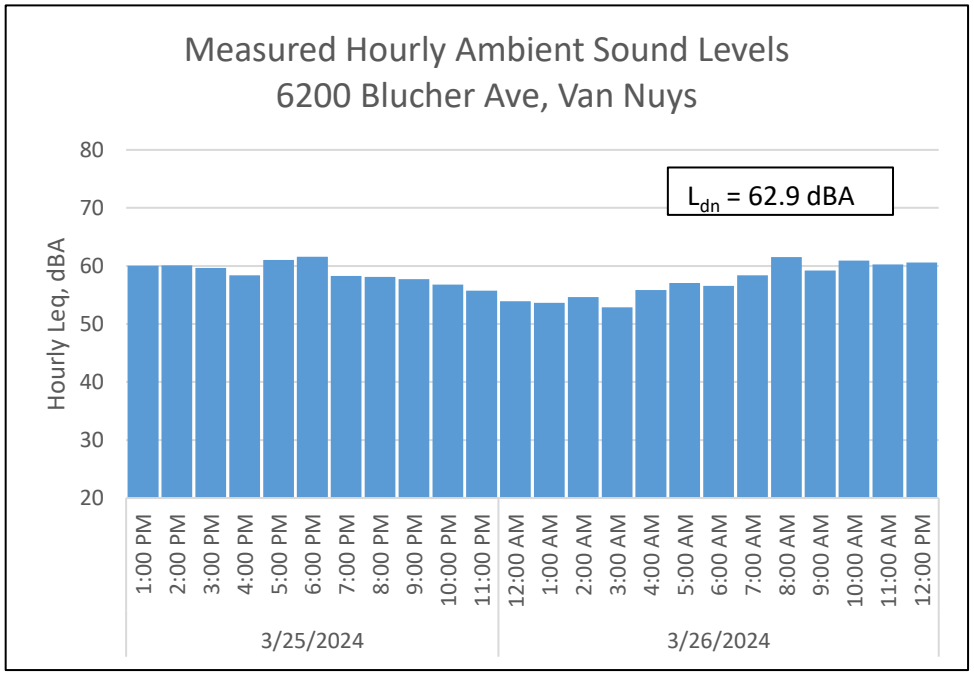


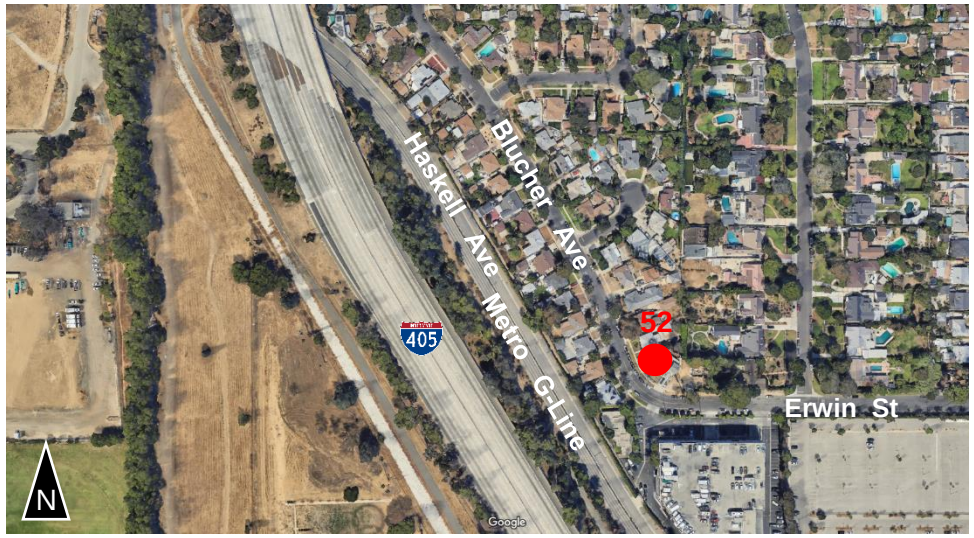
Looking West



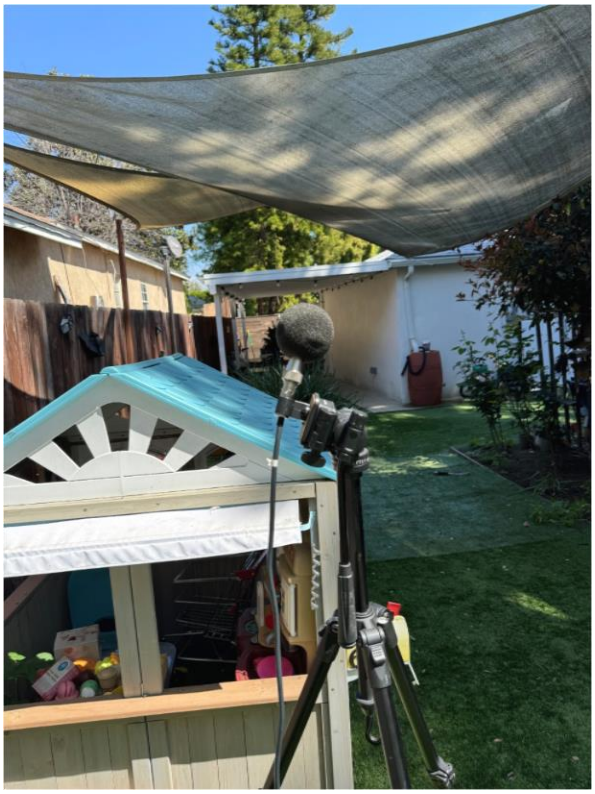
Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
3/25/2024	1:00 PM	60.0
	2:00 PM	60.1
	3:00 PM	59.7
	4:00 PM	58.4
	5:00 PM	61.1
	6:00 PM	61.6
	7:00 PM	58.3
	8:00 PM	58.1
	9:00 PM	57.7
	10:00 PM	56.8
	11:00 PM	55.8
3/26/2024	12:00 AM	53.9
	1:00 AM	53.6
	2:00 AM	54.6
	3:00 AM	52.9
	4:00 AM	55.8
	5:00 AM	57.1
	6:00 AM	56.5
	7:00 AM	58.4
	8:00 AM	61.5
	9:00 AM	59.2
	10:00 AM	60.9
	11:00 AM	60.3
	12:00 PM	60.6





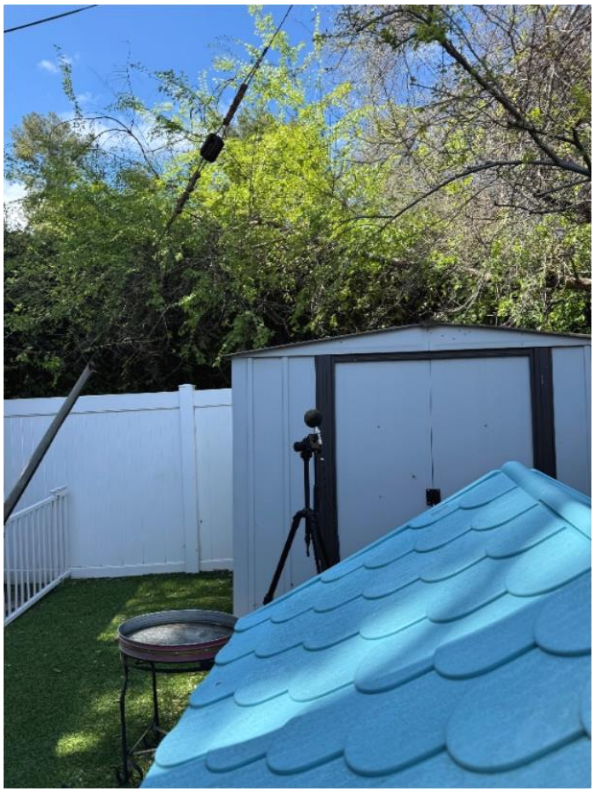
Noise Measurement Photographs at Site 53 – 6201 Blucher Ave, Van Nuys



Looking East



Looking North

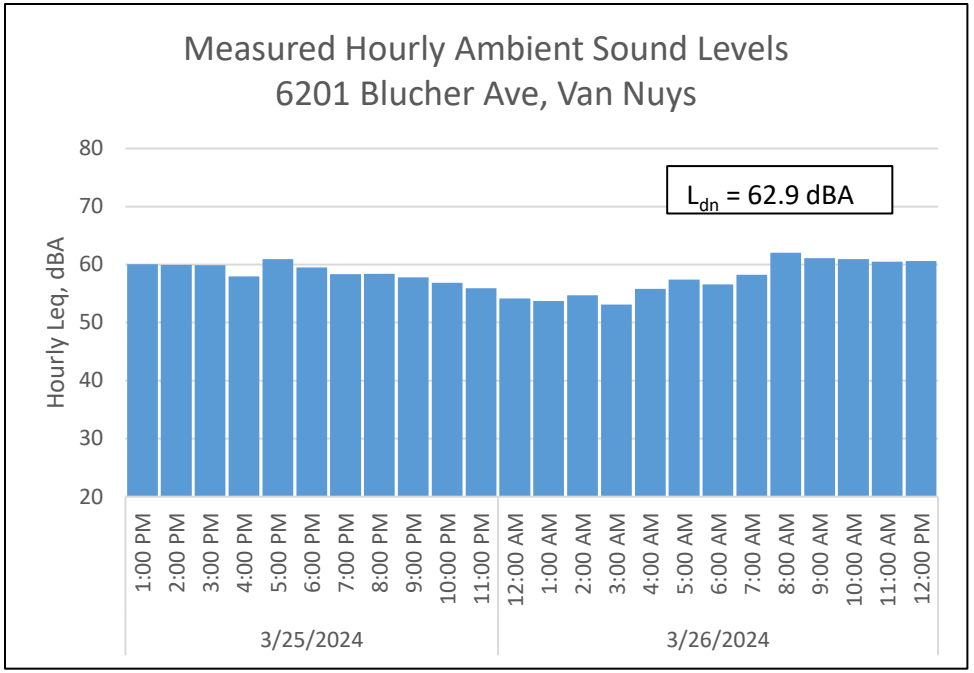


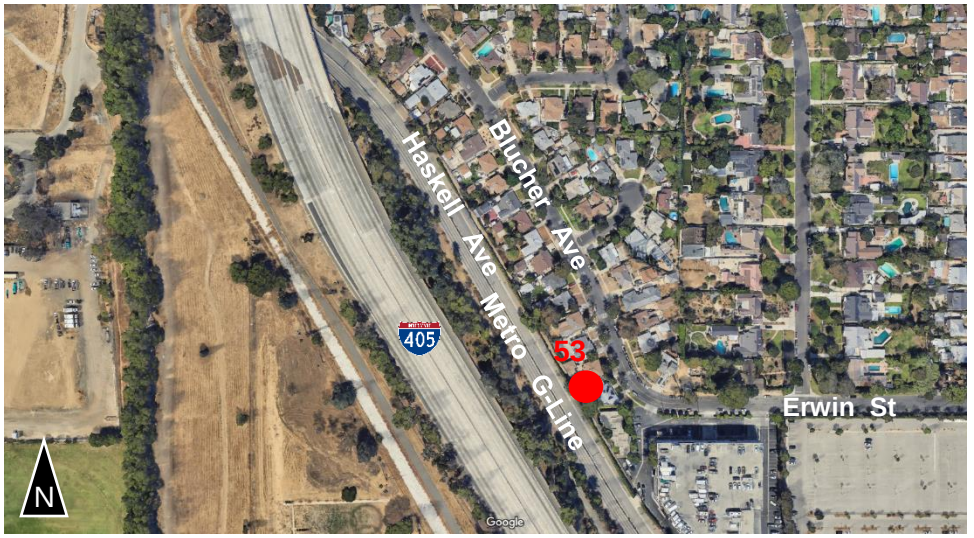
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
3/25/2024	1:00 PM	60.1
	2:00 PM	59.9
	3:00 PM	59.9
	4:00 PM	58.0
	5:00 PM	60.9
	6:00 PM	59.5
	7:00 PM	58.4
	8:00 PM	58.4
	9:00 PM	57.8
	10:00 PM	56.9
	11:00 PM	55.9
3/26/2024	12:00 AM	54.2
	1:00 AM	53.7
	2:00 AM	54.7
	3:00 AM	53.1
	4:00 AM	55.8
	5:00 AM	57.4
	6:00 AM	56.6
	7:00 AM	58.3
	8:00 AM	62.0
	9:00 AM	61.1
	10:00 AM	60.9
	11:00 AM	60.5
	12:00 PM	60.6





Noise Measurement Photographs at Site 55 – 6224 Peach Ave, Van Nuys



Looking East



Looking North

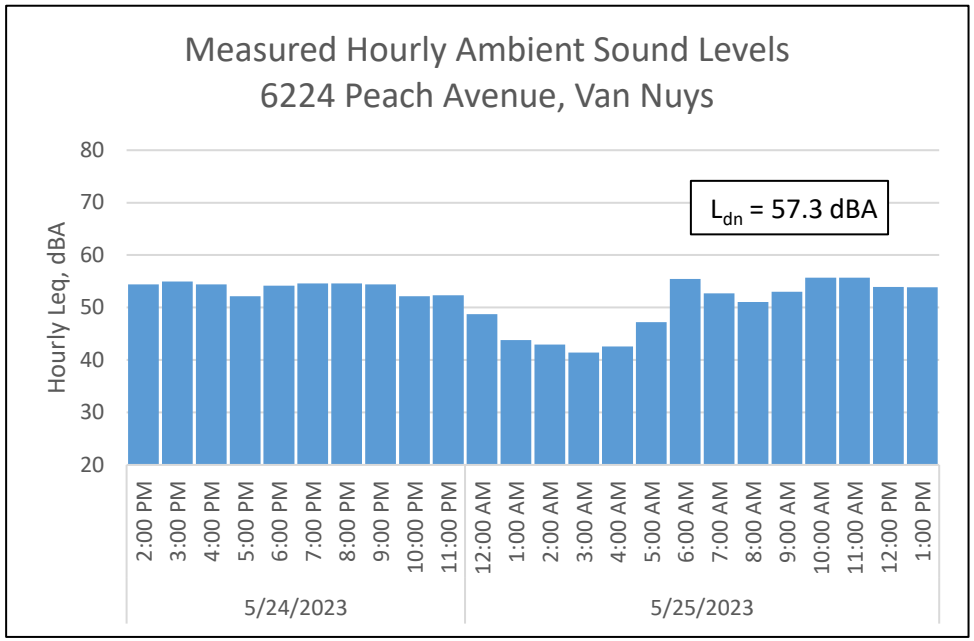


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/24/2023	2:00 PM	54.4
	3:00 PM	55.0
	4:00 PM	54.4
	5:00 PM	52.1
	6:00 PM	54.2
	7:00 PM	54.6
	8:00 PM	54.6
	9:00 PM	54.4
	10:00 PM	52.2
	11:00 PM	52.3
5/25/2023	12:00 AM	48.8
	1:00 AM	43.8
	2:00 AM	43.0
	3:00 AM	41.4
	4:00 AM	42.6
	5:00 AM	47.2
	6:00 AM	55.4
	7:00 AM	52.7
	8:00 AM	51.1
	9:00 AM	53.0
	10:00 AM	55.7
	11:00 AM	55.7
	12:00 PM	53.9
	1:00 PM	53.9





Noise Measurement Photographs at Site 56 – 6561 Sepulveda Blvd, Van Nuys



Looking East



Looking North

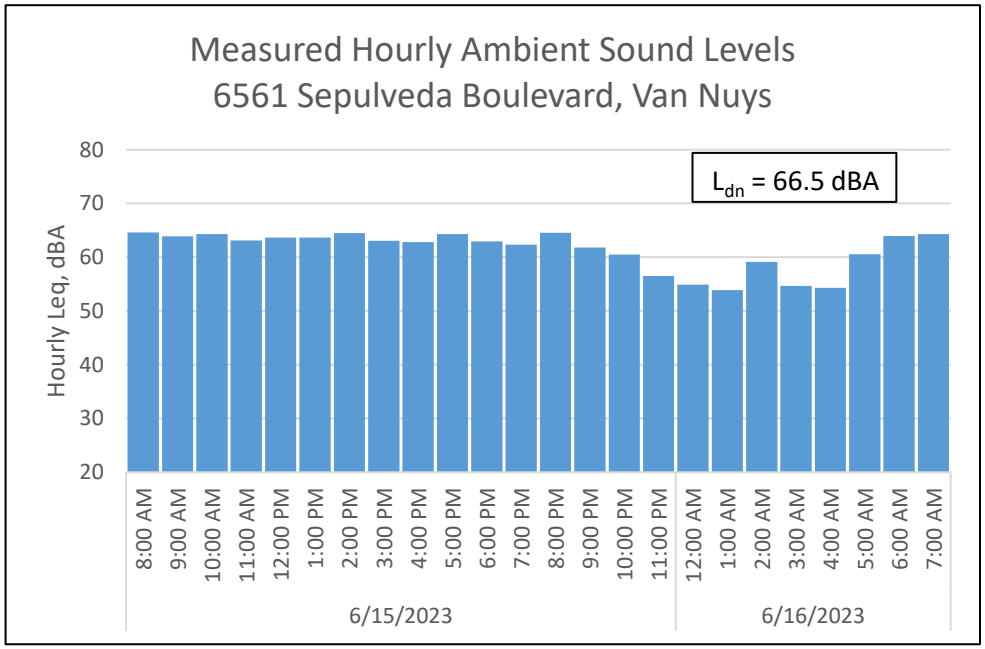


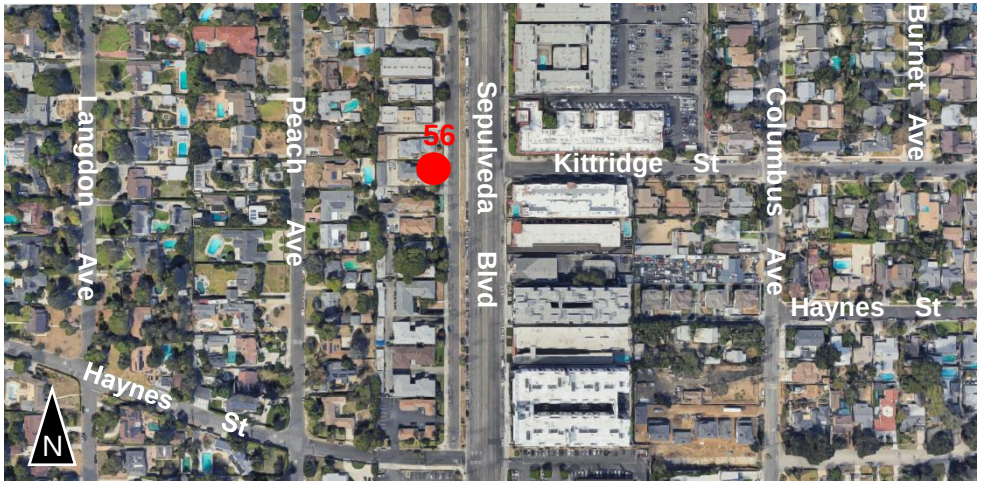
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/15/2023	8:00 AM	64.6
	9:00 AM	63.9
	10:00 AM	64.3
	11:00 AM	63.1
	12:00 PM	63.6
	1:00 PM	63.6
	2:00 PM	64.5
	3:00 PM	63.0
	4:00 PM	62.8
	5:00 PM	64.3
	6:00 PM	62.9
	7:00 PM	62.3
	8:00 PM	64.5
	9:00 PM	61.8
	10:00 PM	60.5
	11:00 PM	56.5
6/16/2023	12:00 AM	54.9
	1:00 AM	53.9
	2:00 AM	59.2
	3:00 AM	54.6
	4:00 AM	54.3
	5:00 AM	60.5
	6:00 AM	64.0
	7:00 AM	64.3





Noise Measurement Photographs at Site 57 – 6546 Aqueduct Ave, Van Nuys



Looking East



Looking North

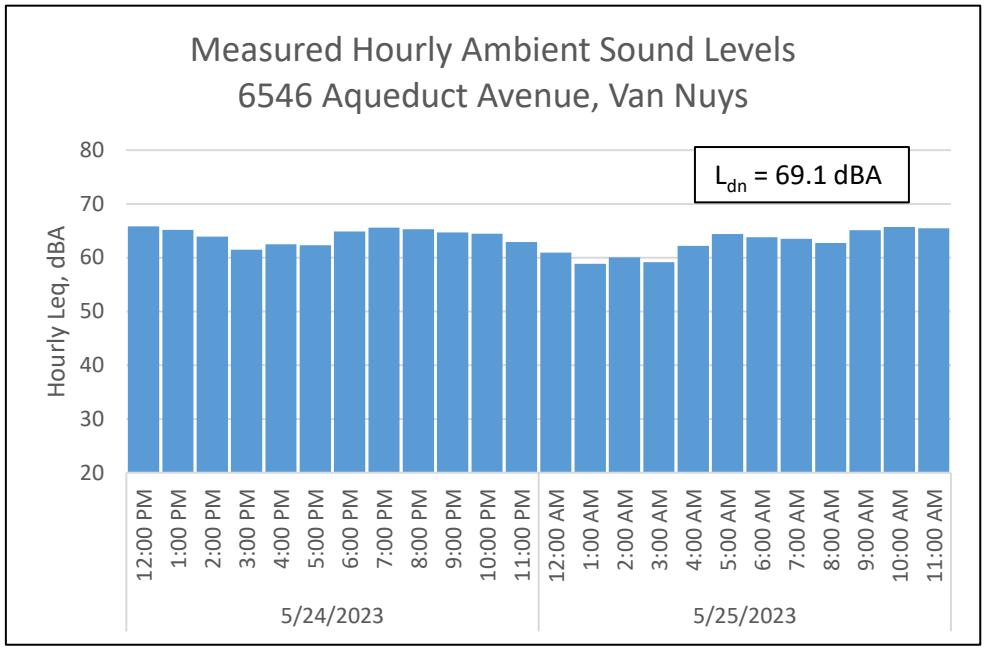


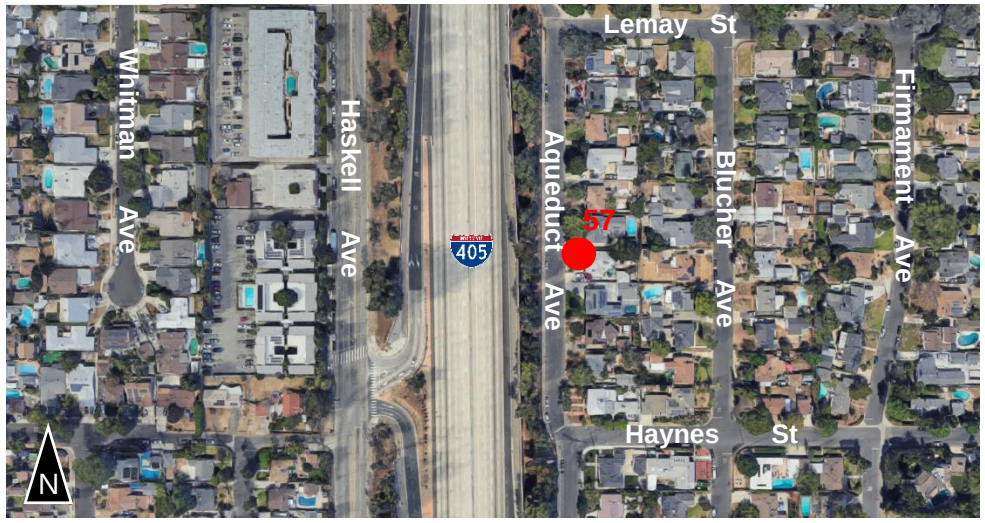
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/24/2023	12:00 PM	65.9
	1:00 PM	65.2
	2:00 PM	63.9
	3:00 PM	61.5
	4:00 PM	62.5
	5:00 PM	62.3
	6:00 PM	64.9
	7:00 PM	65.6
	8:00 PM	65.3
	9:00 PM	64.7
	10:00 PM	64.4
	11:00 PM	62.9
5/25/2023	12:00 AM	61.0
	1:00 AM	58.8
	2:00 AM	60.0
	3:00 AM	59.2
	4:00 AM	62.2
	5:00 AM	64.4
	6:00 AM	63.8
	7:00 AM	63.5
	8:00 AM	62.7
	9:00 AM	65.1
	10:00 AM	65.7
	11:00 AM	65.4

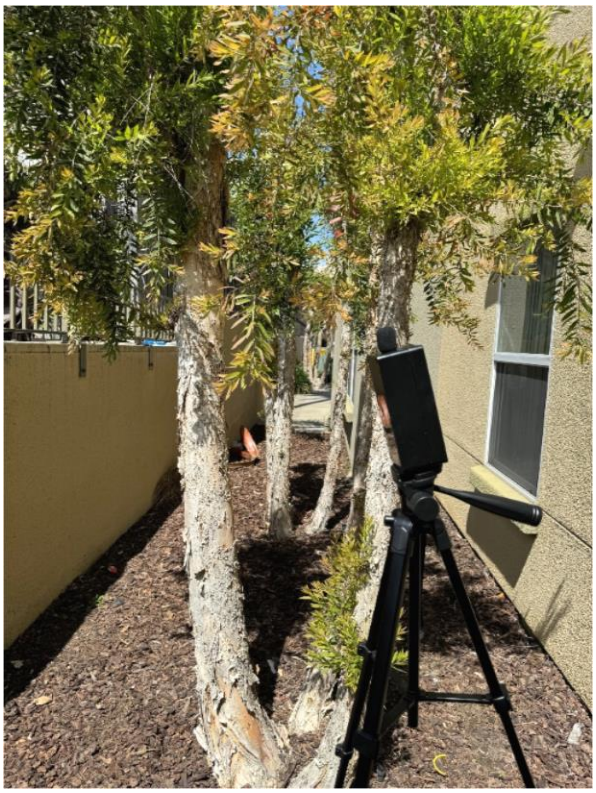




Noise Measurement Photographs at Site 58 – 14419 Vanowen St, Van Nuys



Looking East



Looking North

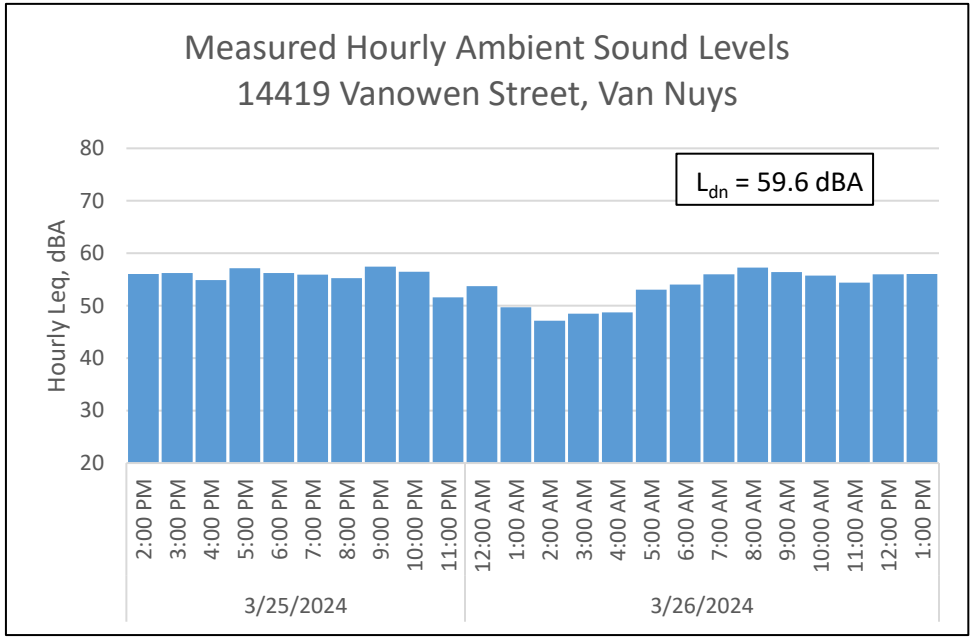


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
3/25/2024	2:00 PM	56.0
	3:00 PM	56.2
	4:00 PM	54.9
	5:00 PM	57.2
	6:00 PM	56.2
	7:00 PM	55.9
	8:00 PM	55.3
	9:00 PM	57.4
	10:00 PM	56.5
	11:00 PM	51.6
3/26/2024	12:00 AM	53.7
	1:00 AM	49.7
	2:00 AM	47.1
	3:00 AM	48.5
	4:00 AM	48.7
	5:00 AM	53.1
	6:00 AM	54.0
	7:00 AM	56.0
	8:00 AM	57.3
	9:00 AM	56.4
	10:00 AM	55.7
	11:00 AM	54.4
	12:00 PM	56.0
	1:00 PM	56.1





Noise Measurement Photographs at Site 59 – 6920 Sepulveda Blvd, Van Nuys



Looking East



Looking North

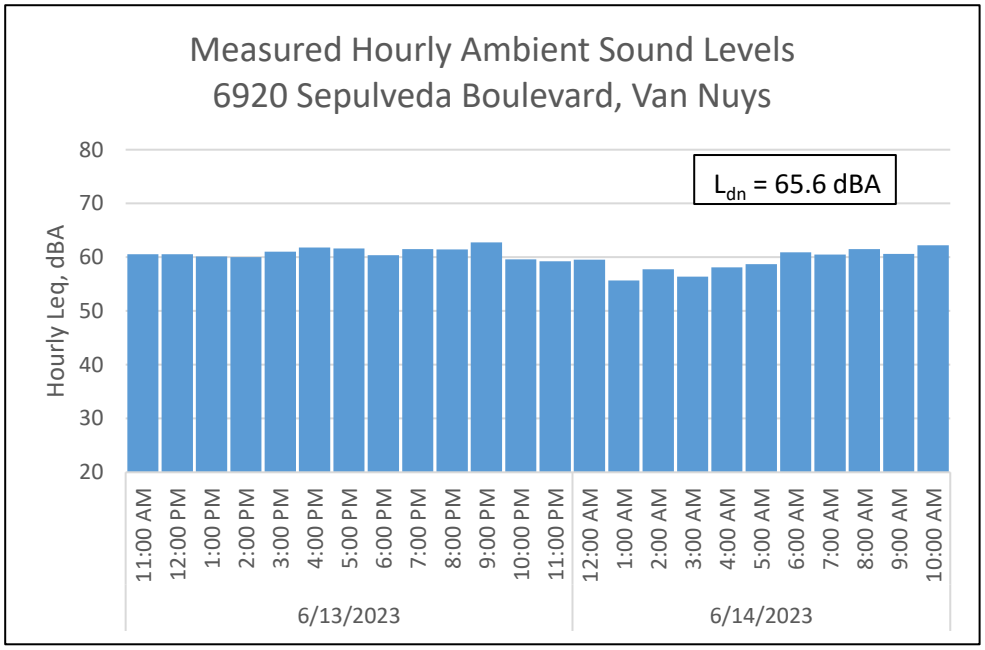


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/13/2023	11:00 AM	60.6
	12:00 PM	60.5
	1:00 PM	60.1
	2:00 PM	60.0
	3:00 PM	61.0
	4:00 PM	61.8
	5:00 PM	61.6
	6:00 PM	60.4
	7:00 PM	61.5
	8:00 PM	61.4
	9:00 PM	62.8
	10:00 PM	59.6
	11:00 PM	59.2
6/14/2023	12:00 AM	59.5
	1:00 AM	55.7
	2:00 AM	57.8
	3:00 AM	56.4
	4:00 AM	58.1
	5:00 AM	58.7
	6:00 AM	60.9
	7:00 AM	60.5
	8:00 AM	61.5
	9:00 AM	60.6
	10:00 AM	62.2





Noise Measurement Photographs at Site 60 – 6841 Firmament Ave, Van Nuys



Looking East



Looking North

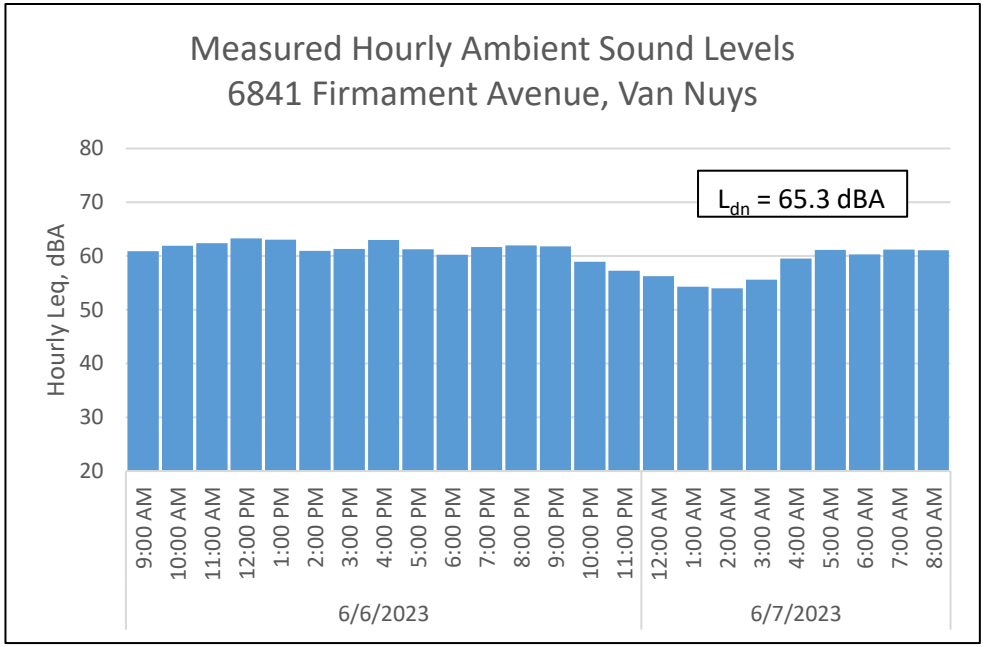


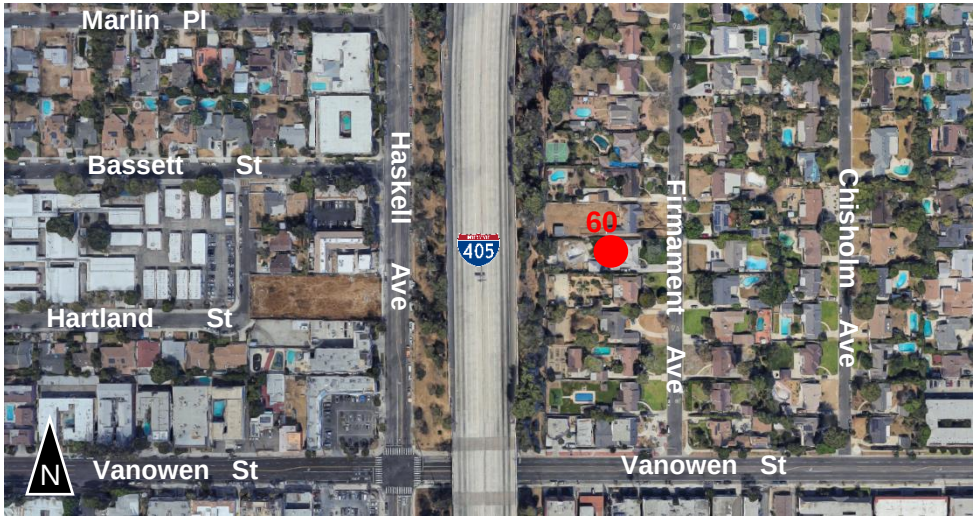
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/6/2023	9:00 AM	60.9
	10:00 AM	61.9
	11:00 AM	62.4
	12:00 PM	63.2
	1:00 PM	63.0
	2:00 PM	60.9
	3:00 PM	61.3
	4:00 PM	63.0
	5:00 PM	61.2
	6:00 PM	60.2
	7:00 PM	61.6
	8:00 PM	62.0
	9:00 PM	61.8
	10:00 PM	58.9
	11:00 PM	57.3
6/7/2023	12:00 AM	56.3
	1:00 AM	54.3
	2:00 AM	54.0
	3:00 AM	55.6
	4:00 AM	59.5
	5:00 AM	61.1
	6:00 AM	60.3
	7:00 AM	61.2
	8:00 AM	61.1





Noise Measurement Photographs at Site 61 – 13917 Cohasset St, Van Nuys



Looking East



Looking North

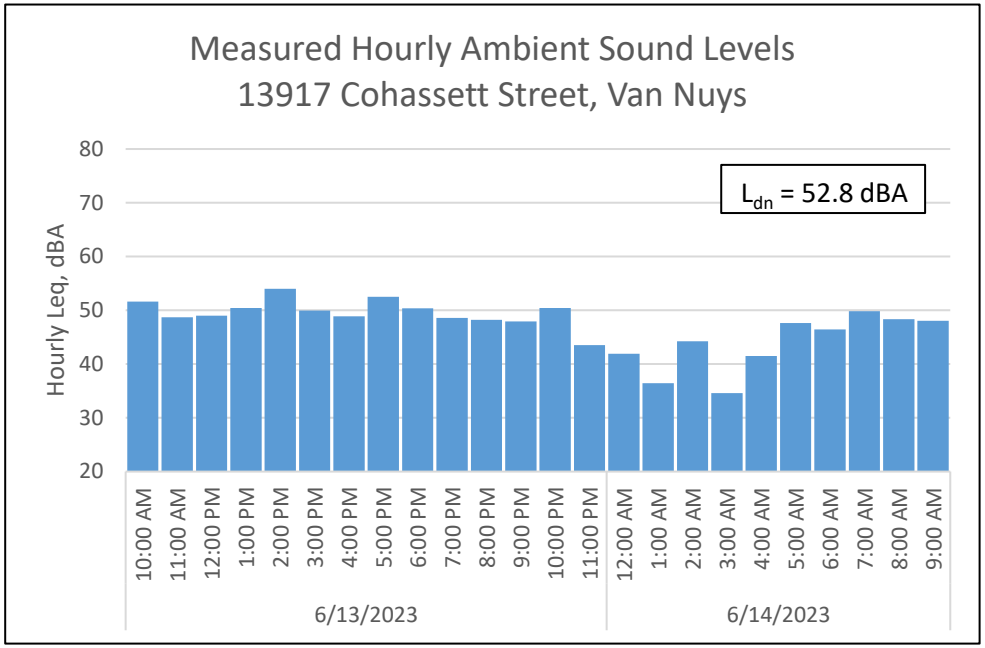


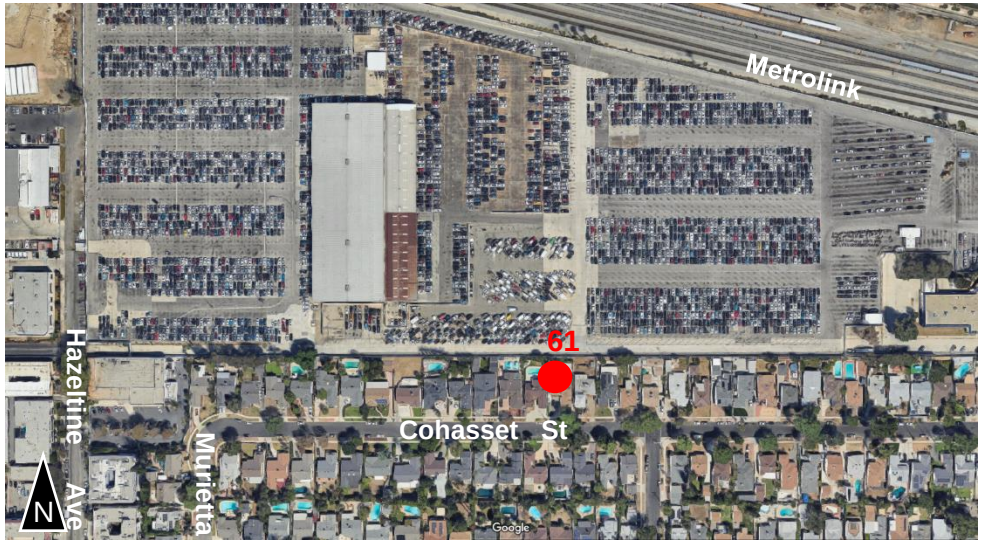
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/13/2023	10:00 AM	51.6
	11:00 AM	48.7
	12:00 PM	49.0
	1:00 PM	50.5
	2:00 PM	54.0
	3:00 PM	49.9
	4:00 PM	48.9
	5:00 PM	52.5
	6:00 PM	50.3
	7:00 PM	48.6
	8:00 PM	48.3
	9:00 PM	47.9
	10:00 PM	50.4
6/14/2023	11:00 PM	43.5
	12:00 AM	41.9
	1:00 AM	36.4
	2:00 AM	44.2
	3:00 AM	34.6
	4:00 AM	41.5
	5:00 AM	47.6
	6:00 AM	46.4
	7:00 AM	49.8
	8:00 AM	48.3
	9:00 AM	48.0





Noise Measurement Photographs at Site 62 – 7467 Sylmar Ave, Van Nuys



Looking Southeast



Looking North

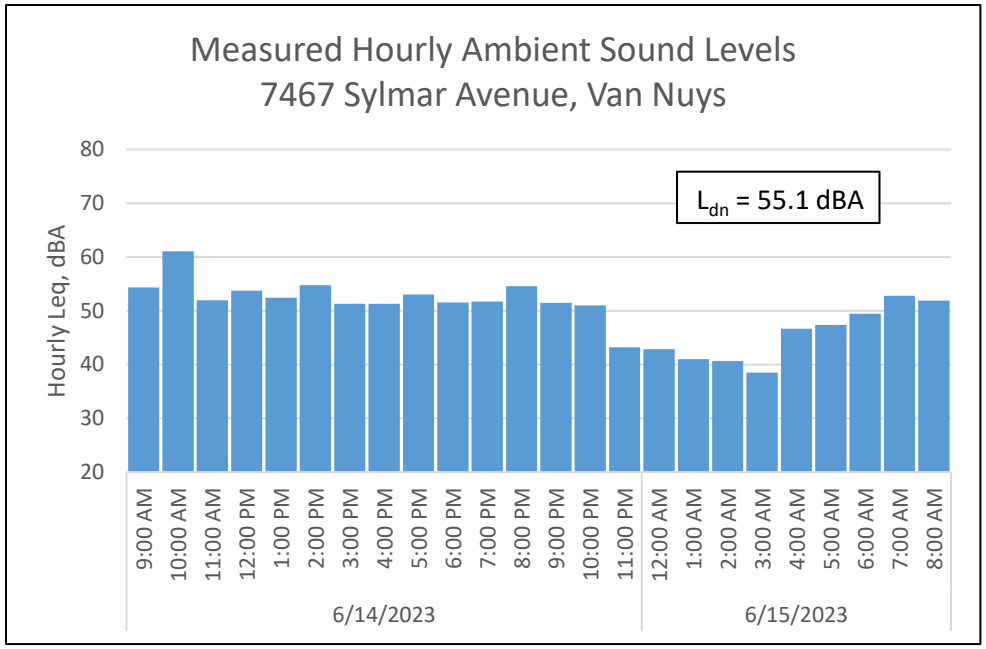


Looking Northwest



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/14/2023	9:00 AM	54.3
	10:00 AM	61.0
	11:00 AM	52.0
	12:00 PM	53.8
	1:00 PM	52.4
	2:00 PM	54.8
	3:00 PM	51.3
	4:00 PM	51.3
	5:00 PM	53.0
	6:00 PM	51.6
	7:00 PM	51.7
	8:00 PM	54.6
	9:00 PM	51.5
	10:00 PM	51.0
	11:00 PM	43.2
6/15/2023	12:00 AM	42.8
	1:00 AM	41.0
	2:00 AM	40.6
	3:00 AM	38.5
	4:00 AM	46.7
	5:00 AM	47.3
	6:00 AM	49.4
	7:00 AM	52.8
	8:00 AM	51.9





Noise Measurement Photographs at Site 63 – 15235 Wyandotte St, Van Nuys



Looking East



Looking North

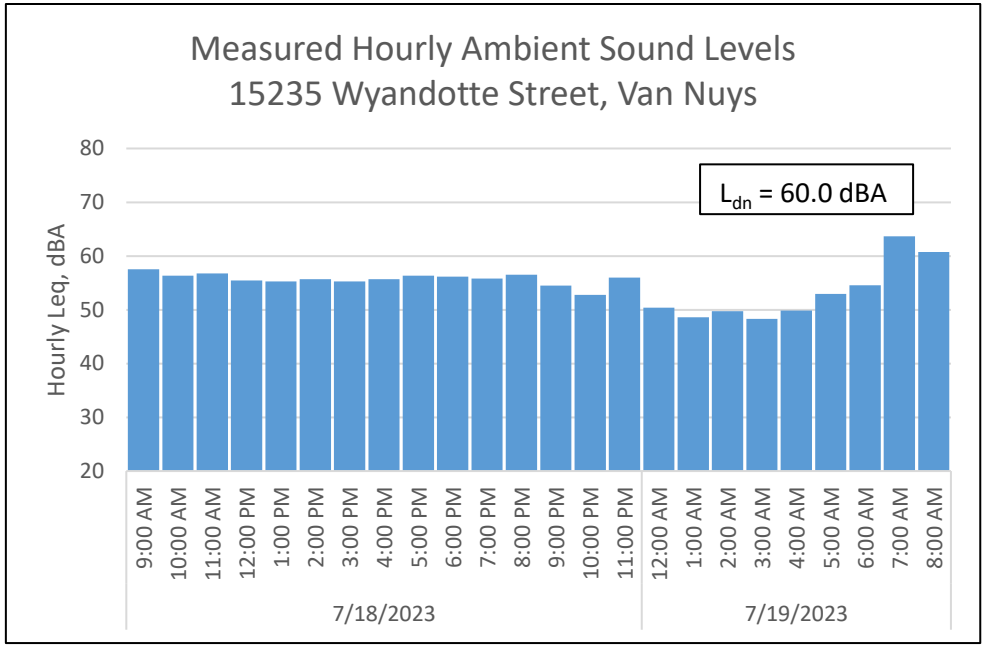


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
7/18/2023	9:00 AM	57.5
	10:00 AM	56.3
	11:00 AM	56.8
	12:00 PM	55.4
	1:00 PM	55.3
	2:00 PM	55.7
	3:00 PM	55.3
	4:00 PM	55.7
	5:00 PM	56.3
	6:00 PM	56.2
	7:00 PM	55.8
	8:00 PM	56.5
	9:00 PM	54.5
	10:00 PM	52.8
	11:00 PM	56.0
7/19/2023	12:00 AM	50.4
	1:00 AM	48.6
	2:00 AM	49.7
	3:00 AM	48.3
	4:00 AM	49.8
	5:00 AM	53.0
	6:00 AM	54.6
	7:00 AM	63.6
	8:00 AM	60.8





Noise Measurement Photographs at Site 64 – 15550 Wyandotte St, Van Nuys



Looking East



Looking North

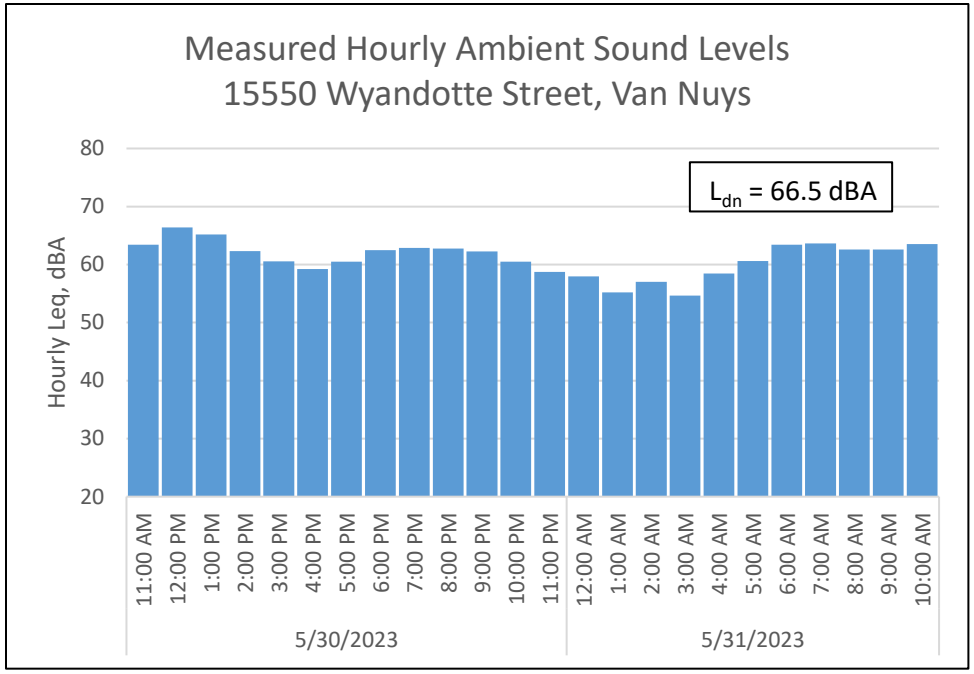


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/30/2023	11:00 AM	63.4
	12:00 PM	66.4
	1:00 PM	65.2
	2:00 PM	62.3
	3:00 PM	60.6
	4:00 PM	59.2
	5:00 PM	60.5
	6:00 PM	62.5
	7:00 PM	62.8
	8:00 PM	62.7
	9:00 PM	62.3
	10:00 PM	60.5
	11:00 PM	58.7
5/31/2023	12:00 AM	57.9
	1:00 AM	55.2
	2:00 AM	57.0
	3:00 AM	54.6
	4:00 AM	58.5
	5:00 AM	60.6
	6:00 AM	63.4
	7:00 AM	63.6
	8:00 AM	62.6
	9:00 AM	62.6
	10:00 AM	63.5





Noise Measurement Photographs at Site 65 – 15559 Covello St, Van Nuys



Looking East



Looking North

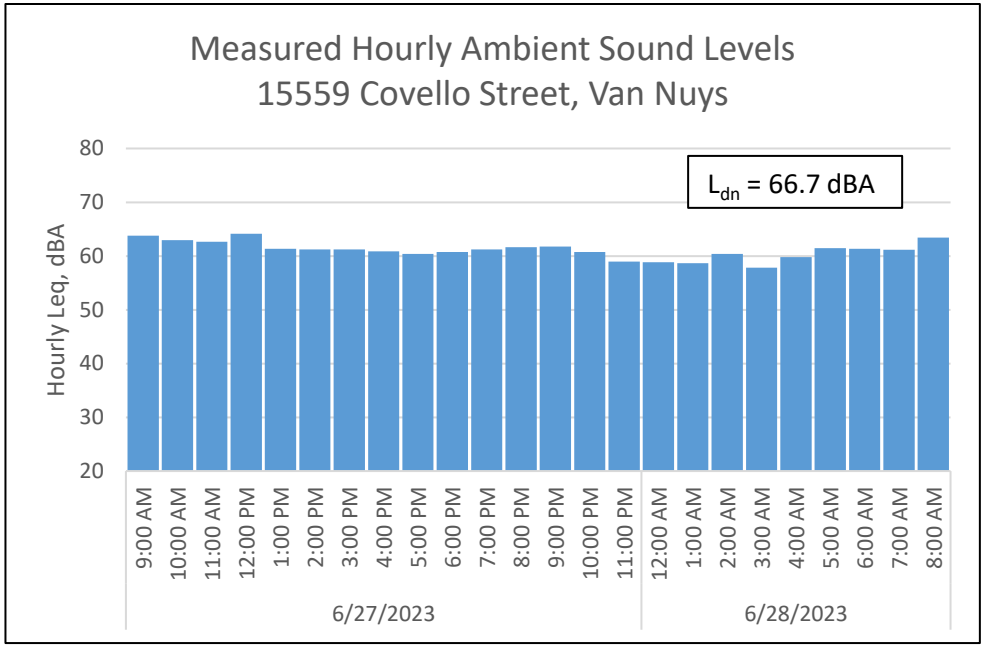


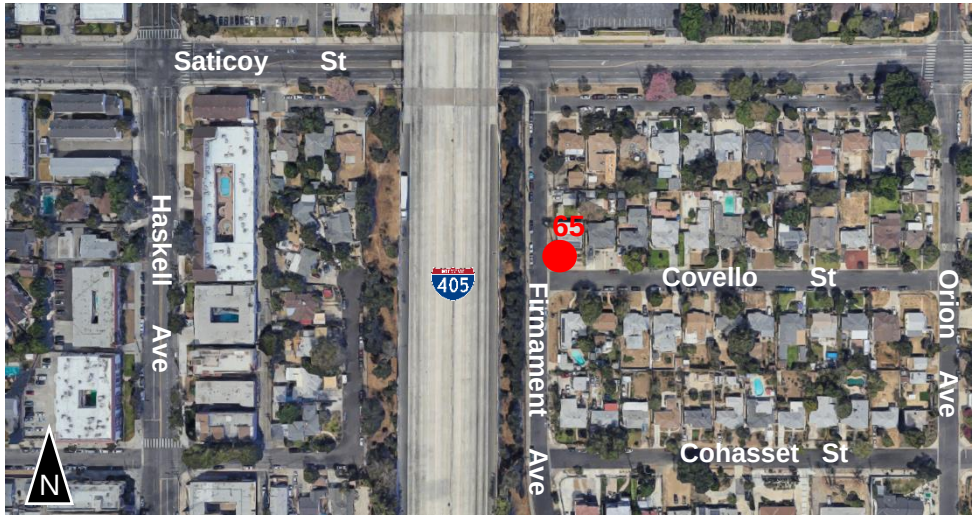
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/27/2023	9:00 AM	63.8
	10:00 AM	62.9
	11:00 AM	62.7
	12:00 PM	64.1
	1:00 PM	61.4
	2:00 PM	61.2
	3:00 PM	61.2
	4:00 PM	60.8
	5:00 PM	60.4
	6:00 PM	60.7
	7:00 PM	61.2
	8:00 PM	61.6
	9:00 PM	61.7
	10:00 PM	60.7
	11:00 PM	59.0
6/28/2023	12:00 AM	58.8
	1:00 AM	58.7
	2:00 AM	60.4
	3:00 AM	57.8
	4:00 AM	59.8
	5:00 AM	61.5
	6:00 AM	61.4
	7:00 AM	61.2
	8:00 AM	63.4





Noise Measurement Photographs at Site 66 – 15018 Marson Street, Panorama City



Looking East



Looking North

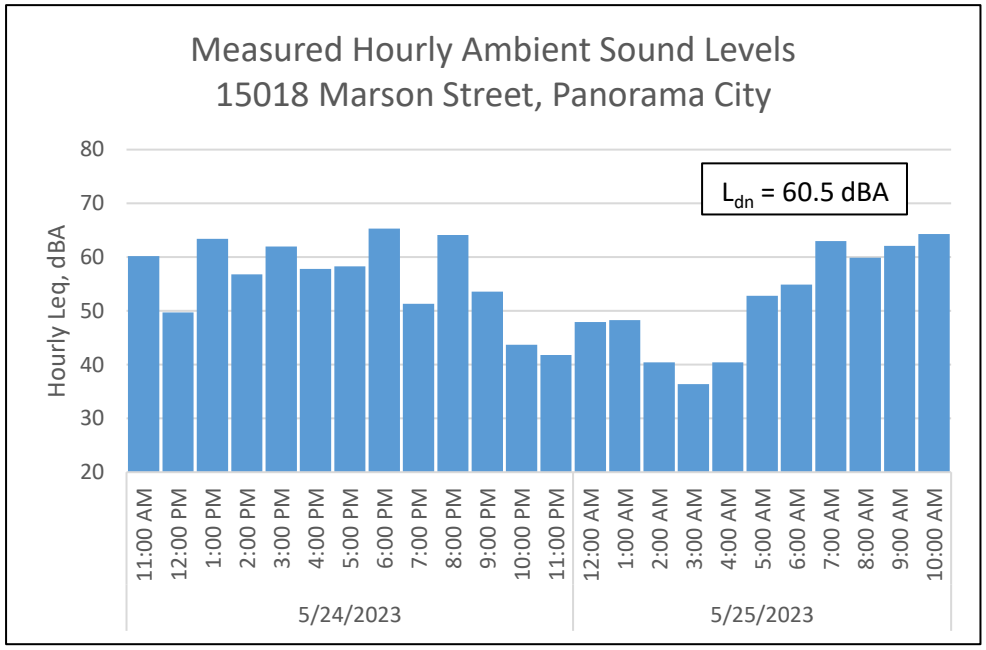


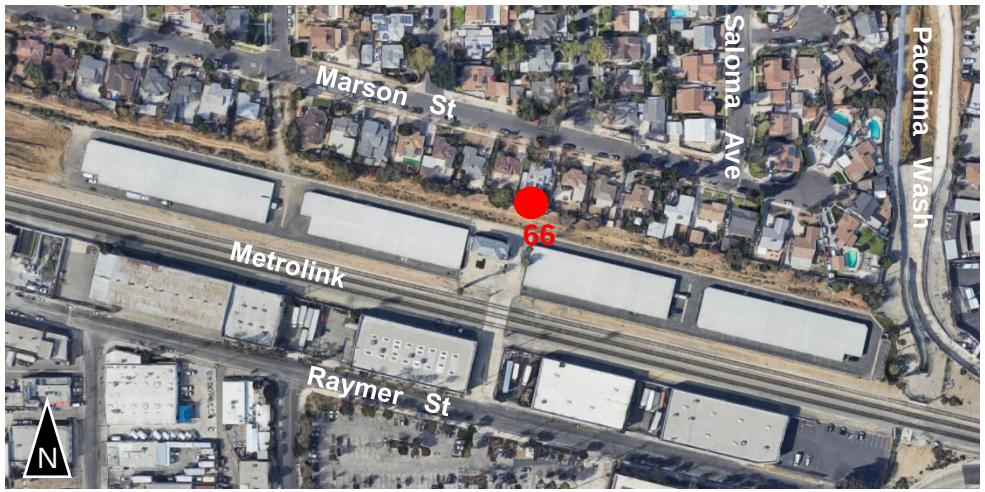
Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
5/24/2023	11:00 AM	60.2
	12:00 PM	49.7
	1:00 PM	63.4
	2:00 PM	56.8
	3:00 PM	62.0
	4:00 PM	57.8
	5:00 PM	58.3
	6:00 PM	65.3
	7:00 PM	51.3
	8:00 PM	64.1
	9:00 PM	53.6
	10:00 PM	43.7
	11:00 PM	41.8
5/25/2023	12:00 AM	47.9
	1:00 AM	48.3
	2:00 AM	40.4
	3:00 AM	36.4
	4:00 AM	40.4
	5:00 AM	52.8
	6:00 AM	54.9
	7:00 AM	63.0
	8:00 AM	59.9
	9:00 AM	62.1
	10:00 AM	64.3





Noise Measurement Photographs at Site 67 – 7824 Zombar Ave, Van Nuys



Looking East



Looking North

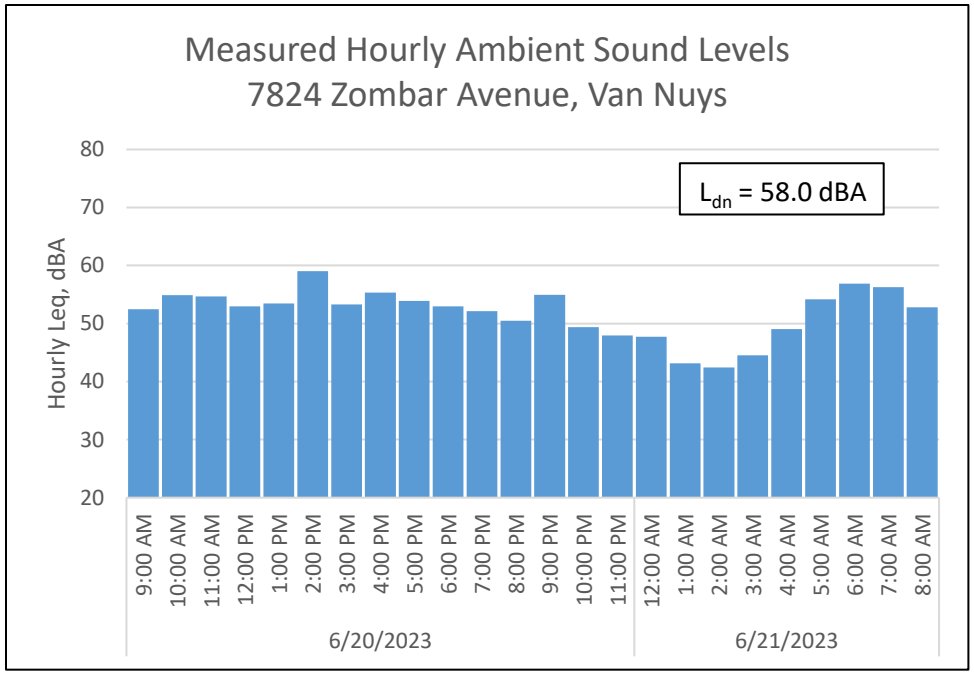


Looking West



Looking South

Date	Hour Beginning	Hourly L_{eq} (dBA)
6/20/2023	9:00 AM	52.5
	10:00 AM	54.9
	11:00 AM	54.7
	12:00 PM	53.0
	1:00 PM	53.5
	2:00 PM	59.0
	3:00 PM	53.3
	4:00 PM	55.3
	5:00 PM	53.9
	6:00 PM	52.9
	7:00 PM	52.1
	8:00 PM	50.5
	9:00 PM	54.9
	10:00 PM	49.4
	11:00 PM	47.9
6/21/2023	12:00 AM	47.7
	1:00 AM	43.1
	2:00 AM	42.4
	3:00 AM	44.5
	4:00 AM	49.1
	5:00 AM	54.2
	6:00 AM	56.9
	7:00 AM	56.3
	8:00 AM	52.8





Attachment 2. Short-Term Noise Measurement Photographs and Summarized Results

Contents

Attachment 1 contains the noise measurement data summaries pertaining to the short-term noise measurements conducted at representative Category 1 and 3 receptors in the Project Study Area. The attachment includes the measurement data for Tables 5-1, 6-5, 7-5, 8-6, 9-6, and 10-3 of the Noise and Vibration Technical Report

Index of Short-Term Noise Measurement Locations

Site No.	Location
6	Westwood Park, north of soccer field on lawn near parking lot
8	UCLA Williams Institute, southwest corner of building
9	UCLA Computer Science/ Engineering IV building
11	LA National Cemetery Columbarium, near east wall
12a	LA National Cemetery north of Wilshire Boulevard
12	LA National Cemetery east of I-405, no freeway soundwall
13	LA National Cemetery east of I-405, with freeway soundwall
14	LA National Cemetery north fence, with freeway soundwall
17	Village Church, 343 S. Church Lane, sidewalk next to front lawn
22	Getty South Building, near buildings setback west of I-405
27	Leo Baeck Temple, west of building, facing I-405
28	The Getty Tram Station, in lawn area north of the Station
29	Future Oak parking lot at The Getty, in currently unpaved lot
33	Skirball Cultural Center, Ziegler Amphitheater, east façade
34	Skirball Cultural Center, Ziegler Amphitheater, at bleachers
35	Milken Community School, first floor facing I-405
36	Milken Community School, second floor facing I-405
40	15347 Del Gado Drive, at south end of vacant lot*
46	Ivy Bound Academy, basketball courts near I-101 to I-405 ramp
54	Contractors State License School, 6222 Sepulveda Boulevard
68	La Iglesia de Jesucristo de los Santos de los Últimos Días

Noise Measurement Photographs at Site 6 – Westwood Park, Los Angeles



Looking Northeast



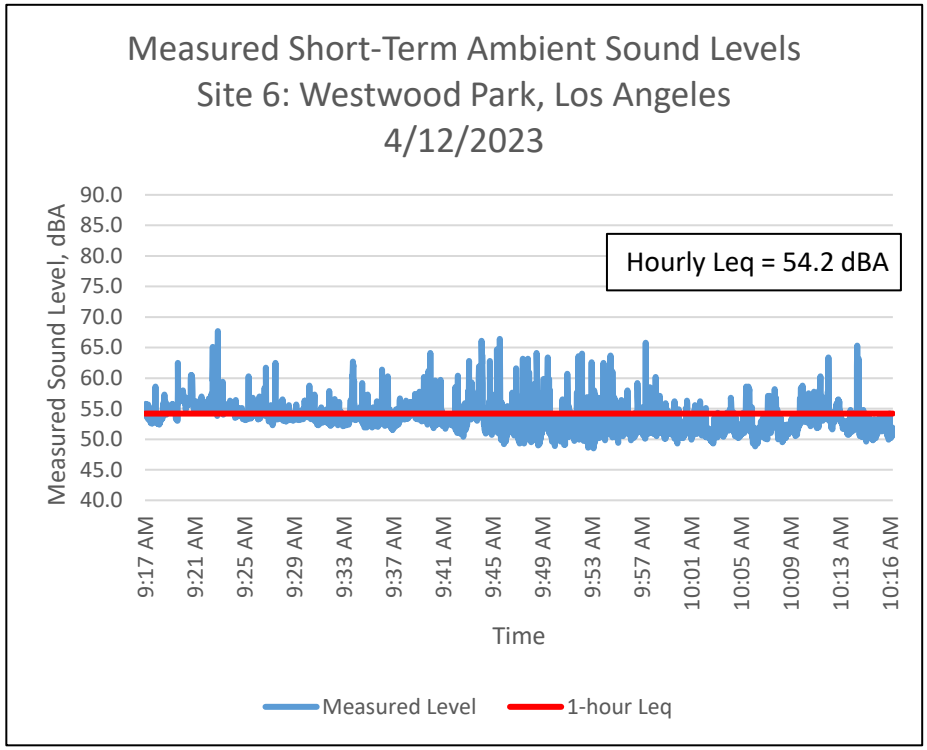
Looking Northwest

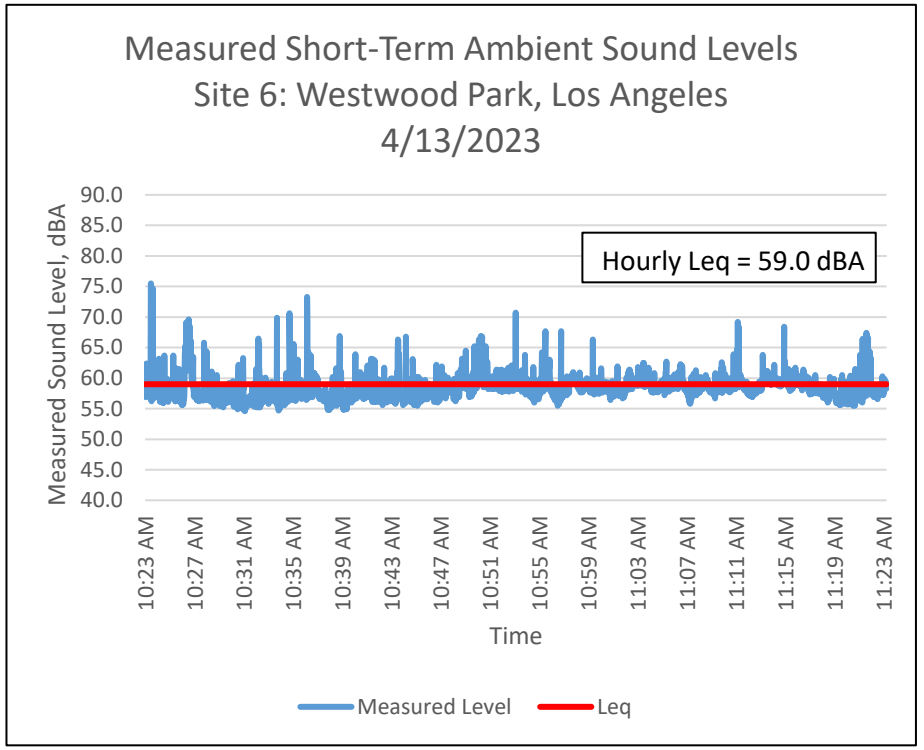


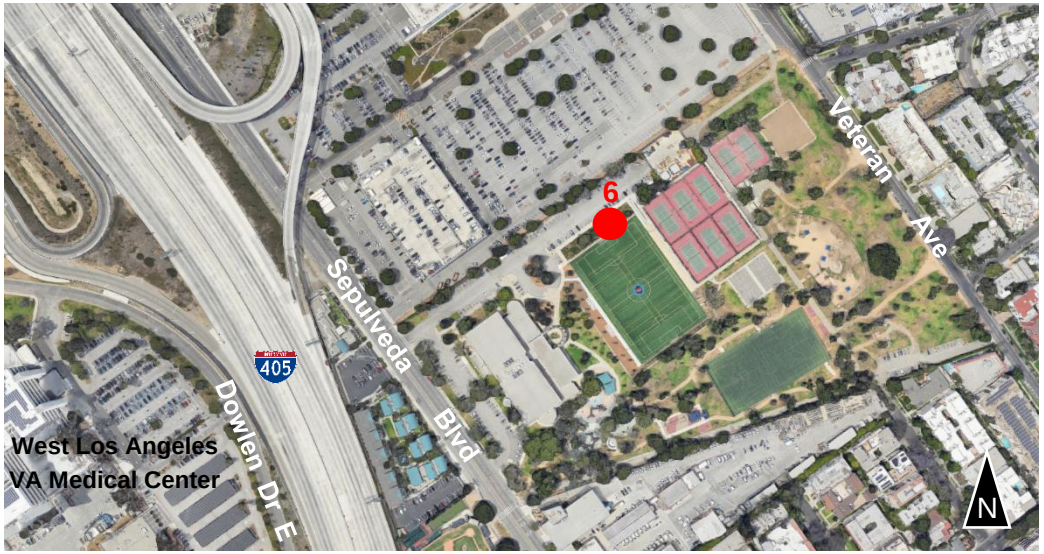
Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 8 – UCLA Williams Institute, 1060 Veteran Ave, Los Angeles



Looking Northeast



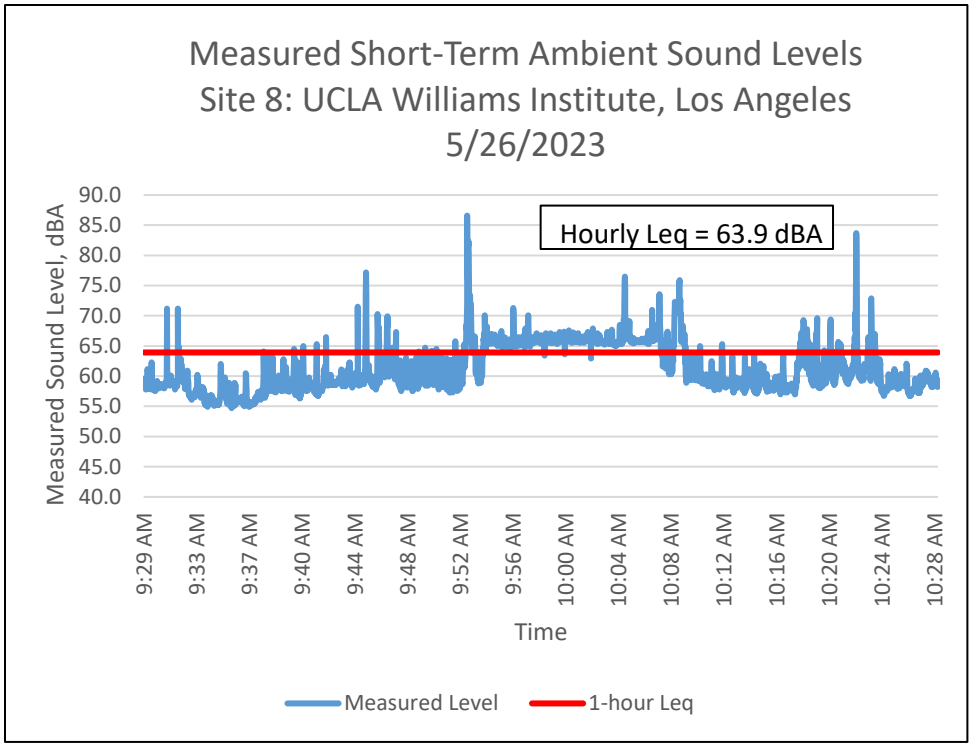
Looking Northwest

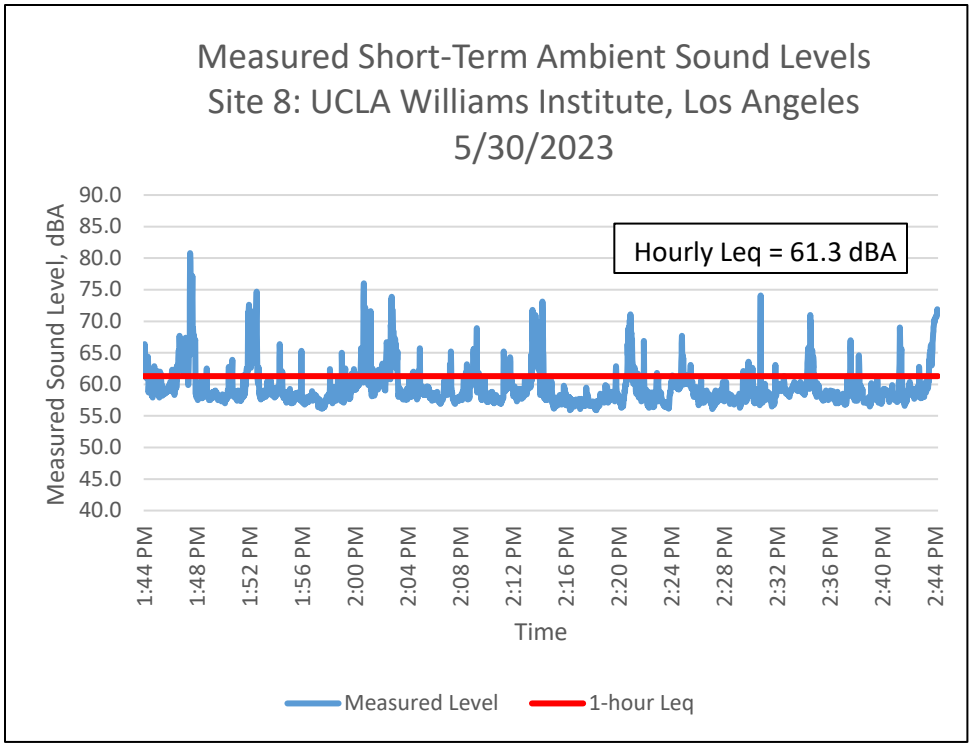


Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 9 – UCLA Engineering VI, 404 Westwood Plaza, Los Angeles



Looking Northeast



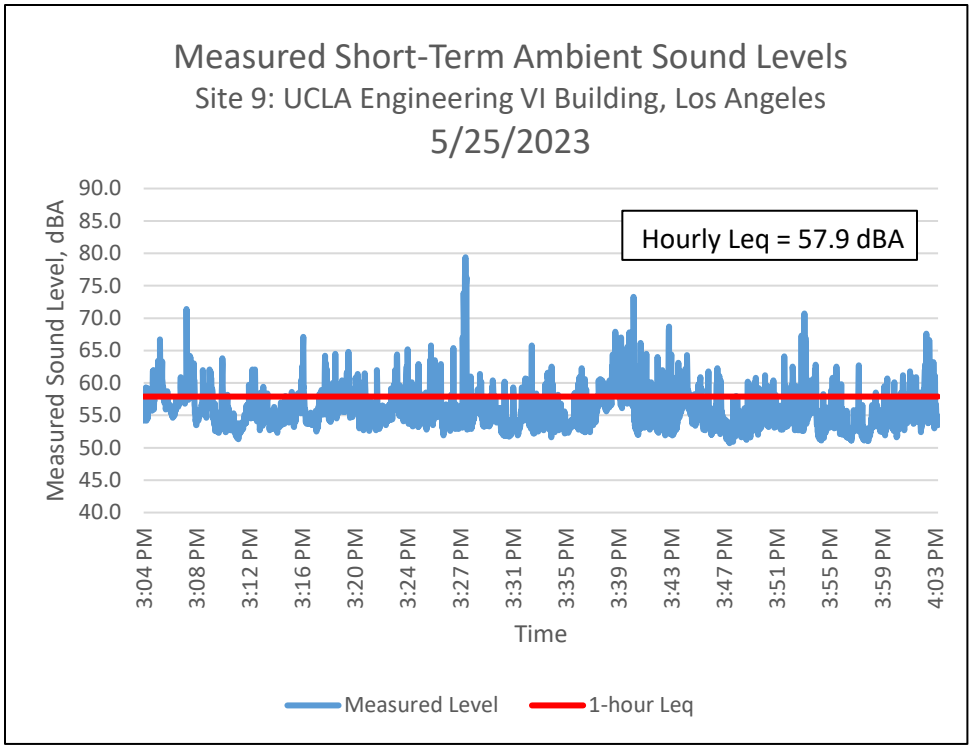
Looking Northwest

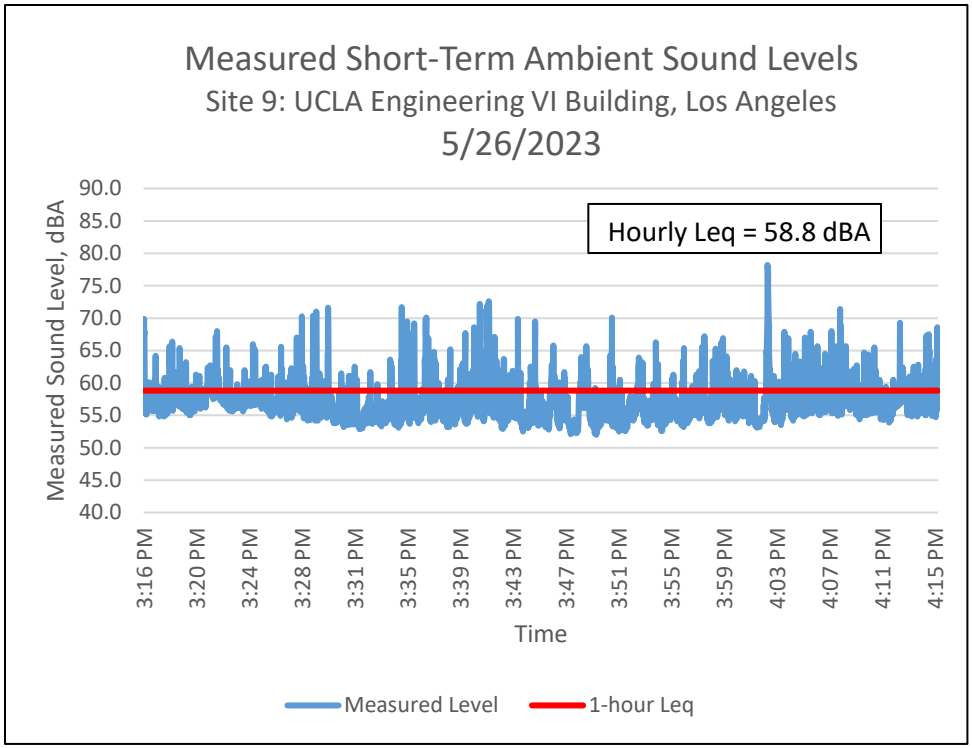


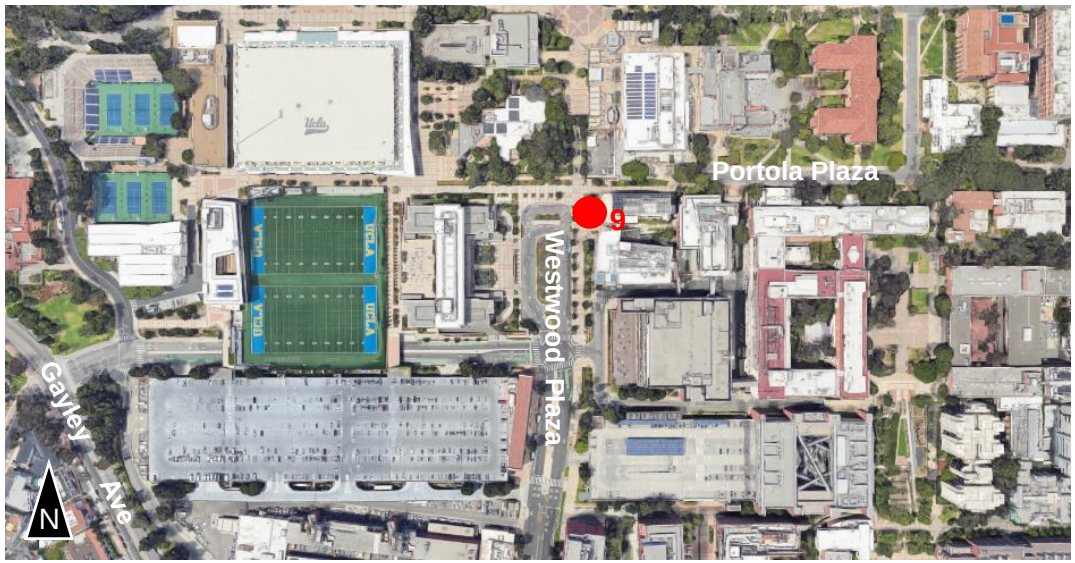
Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 11 – Los Angeles National Cemetery, Columbarium, Los Angeles



Looking Northeast



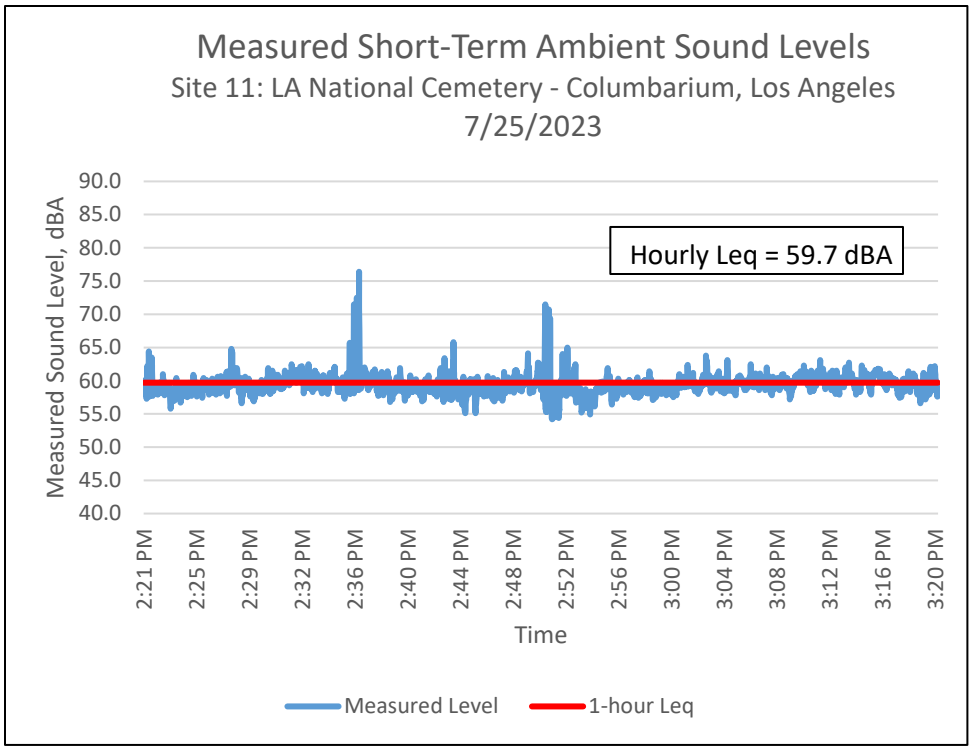
Looking Northwest

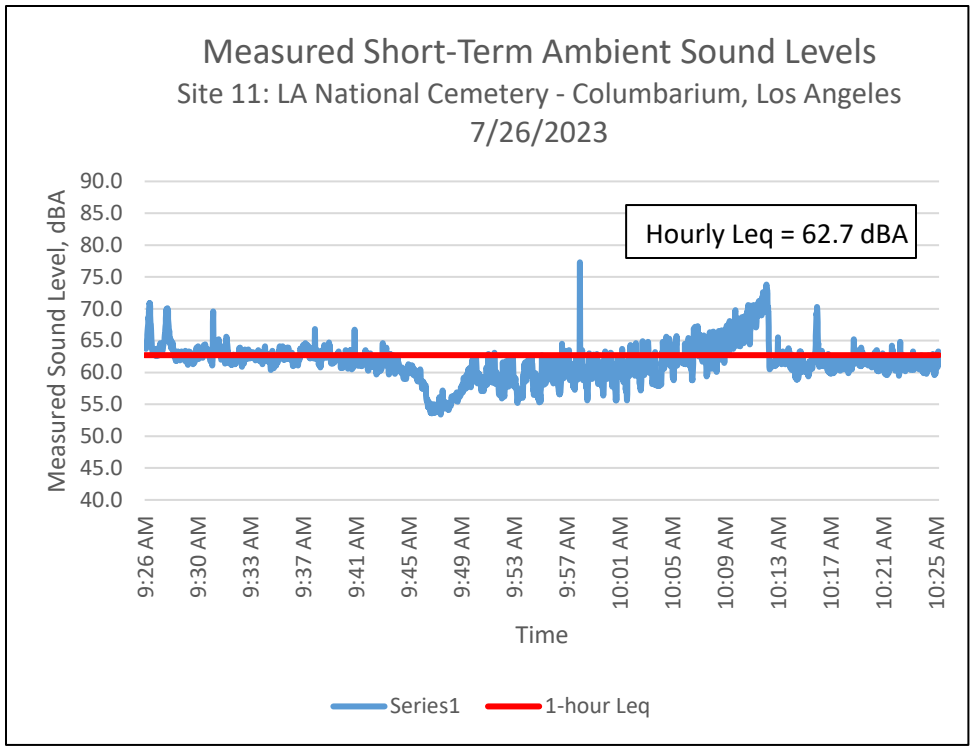


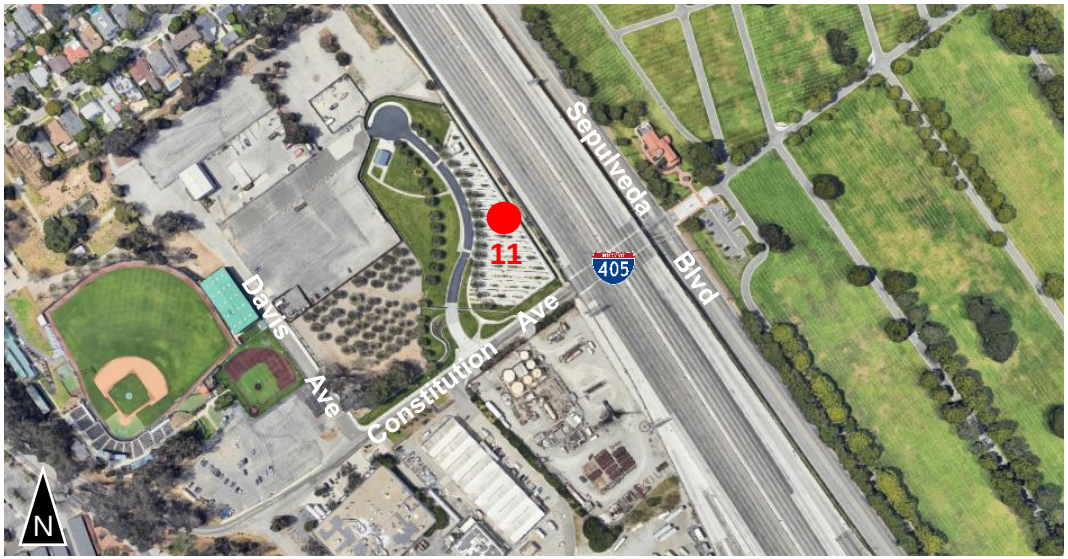
Looking Southwest



Looking Southeast

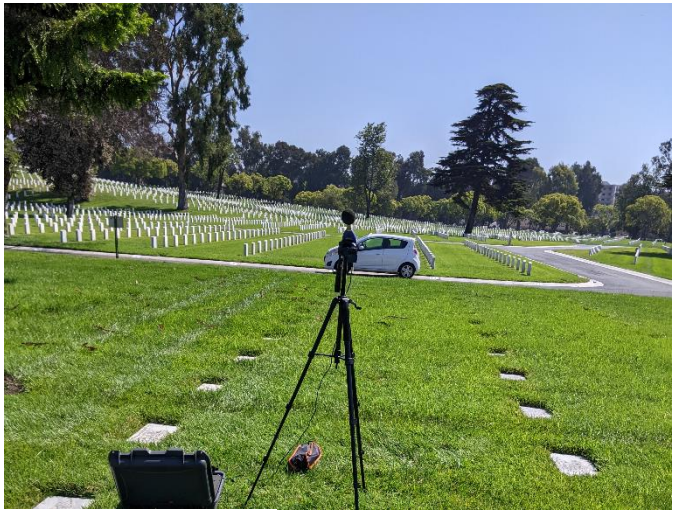






Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 12 – Los Angeles National Cemetery #3, 950 S Sepulveda Blvd, Los Angeles



Looking Northeast



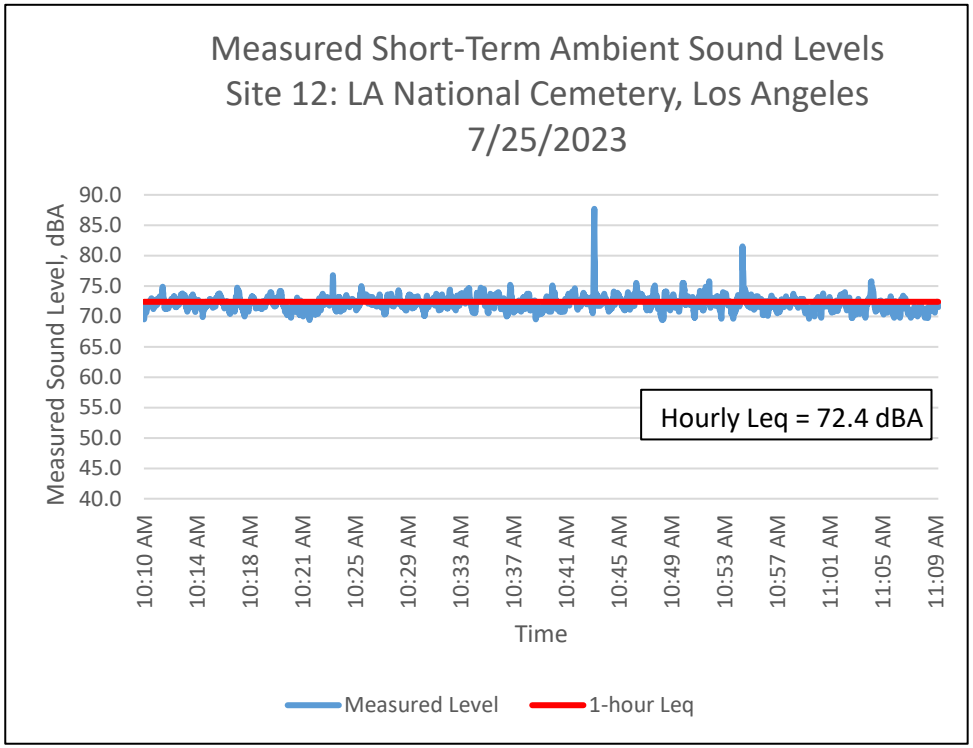
Looking Northwest

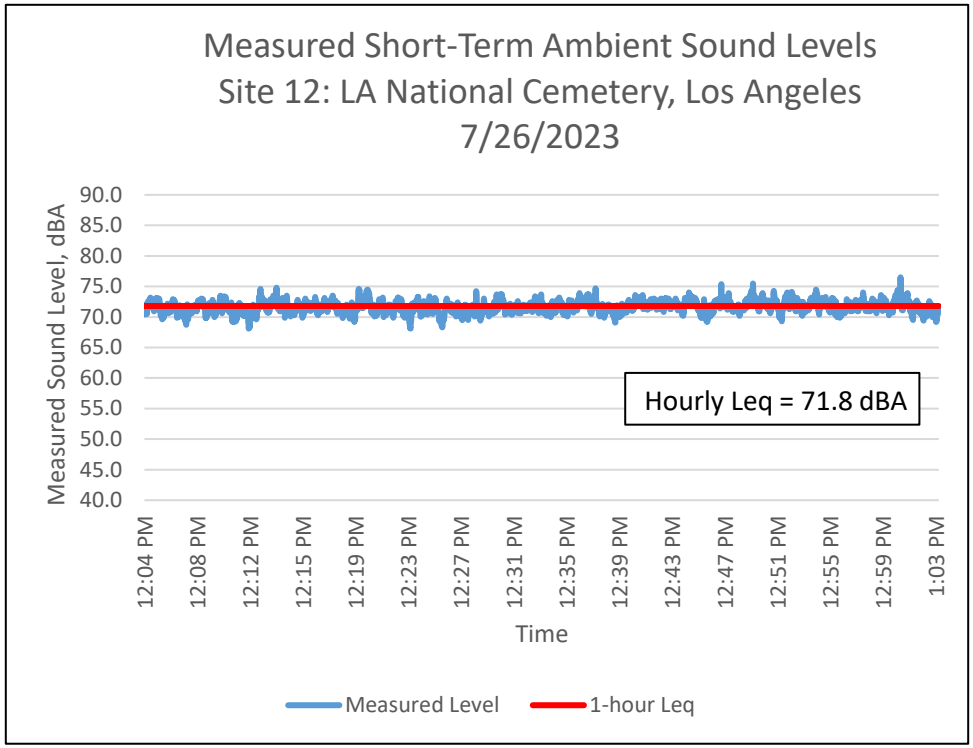


Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 12A – Los Angeles National Cemetery #1, 950 S Sepulveda Blvd, Los Angeles



Looking Northeast



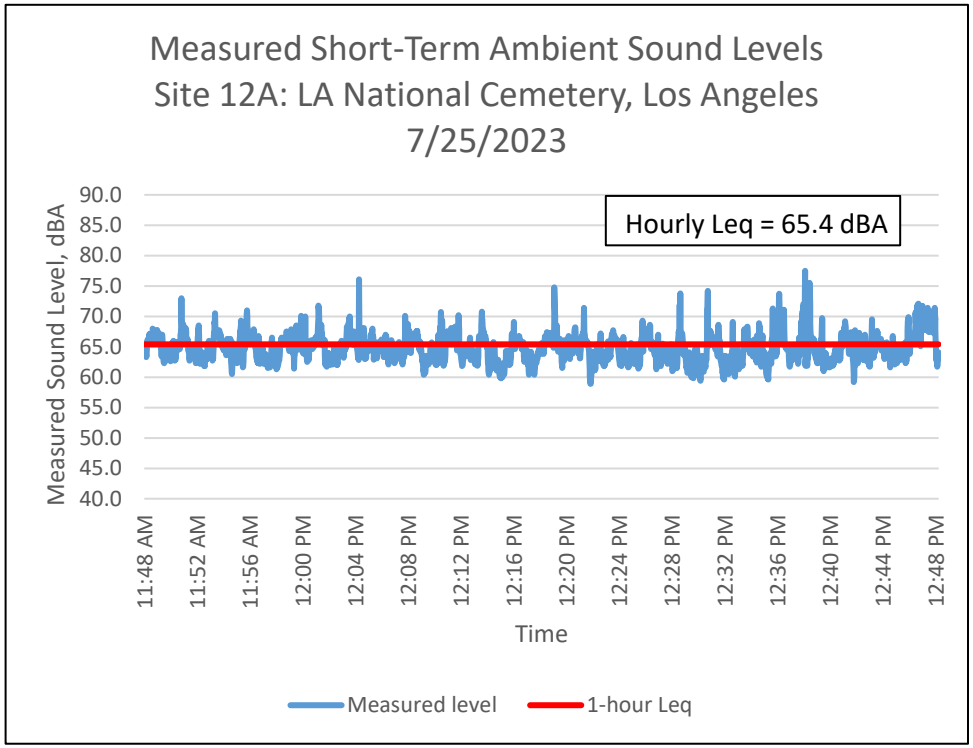
Looking Northwest

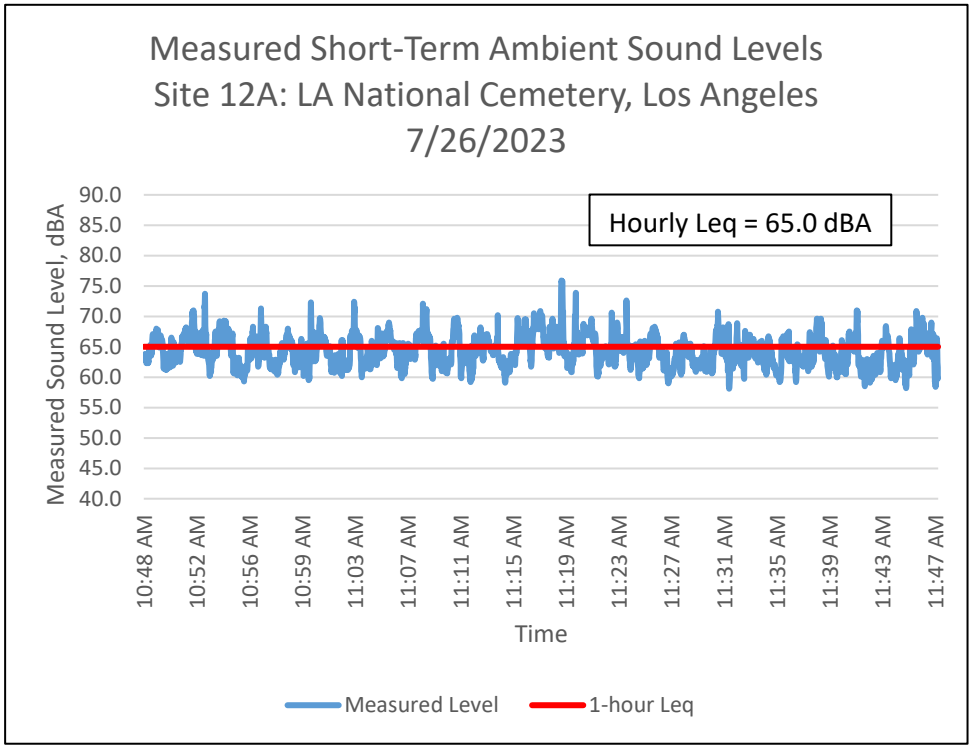


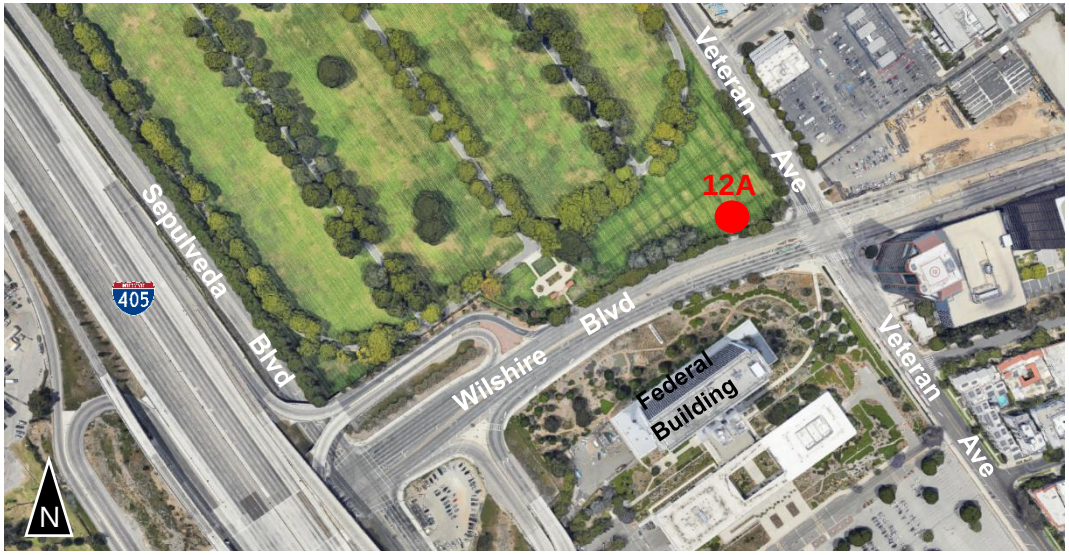
Looking Southwest



Looking Southeast





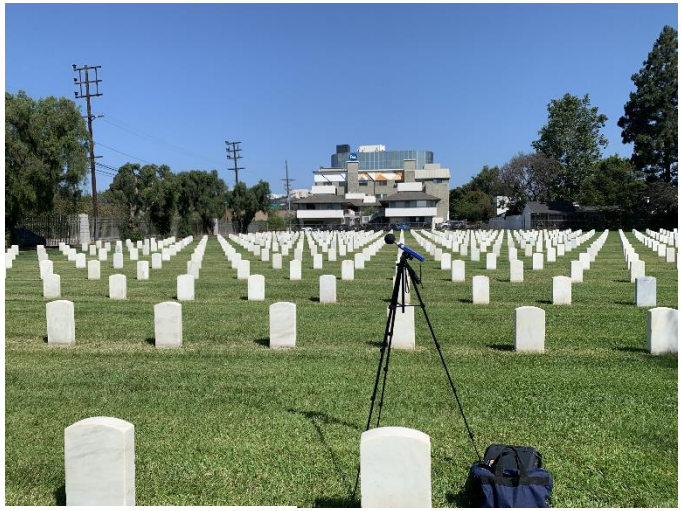


Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 13 – Los Angeles National Cemetery #4, 950 S Sepulveda Blvd, Los Angeles



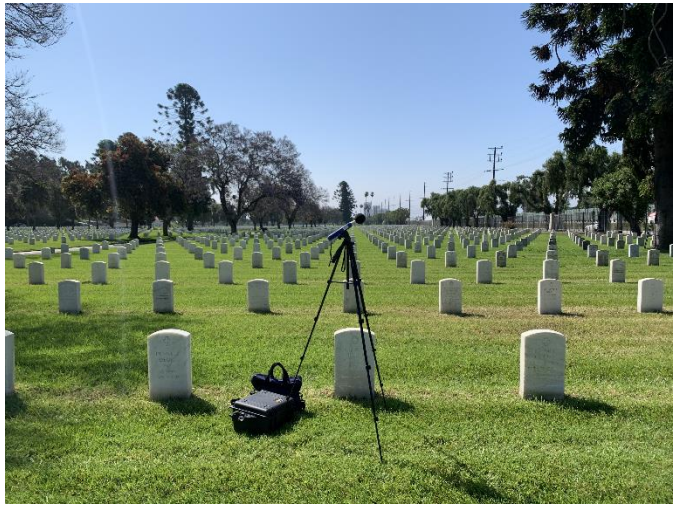
Looking Northeast



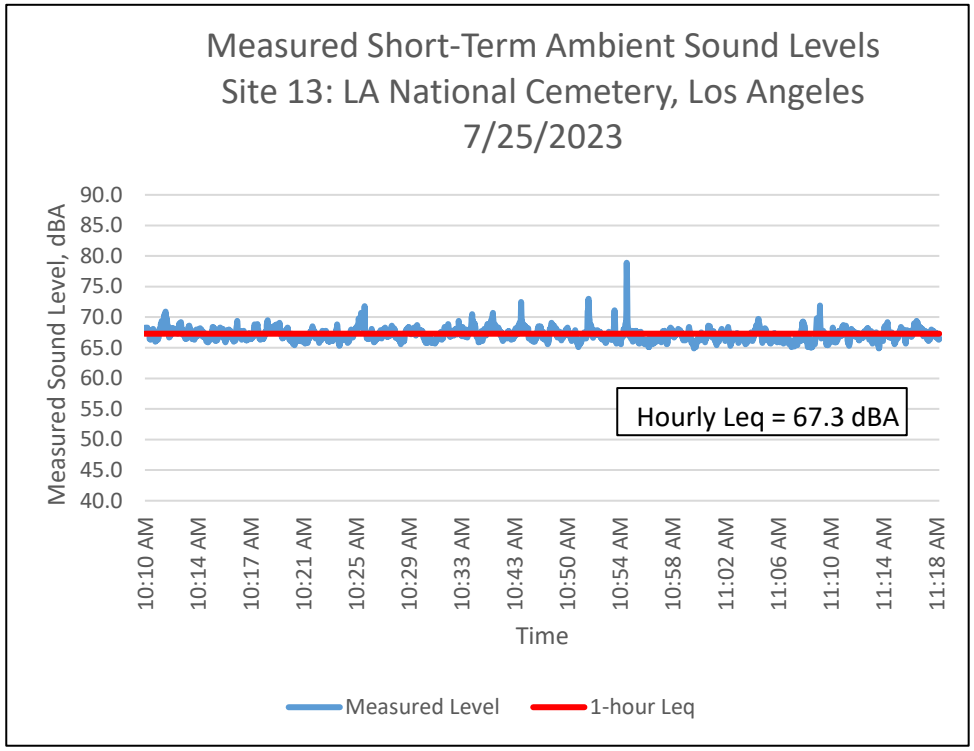
Looking Northwest

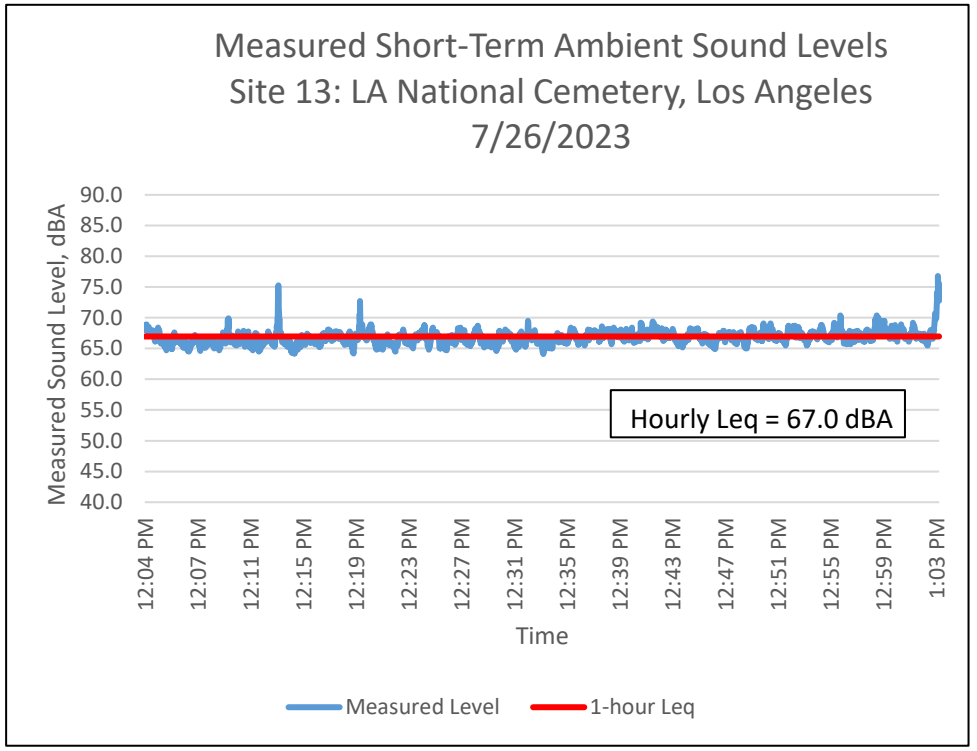


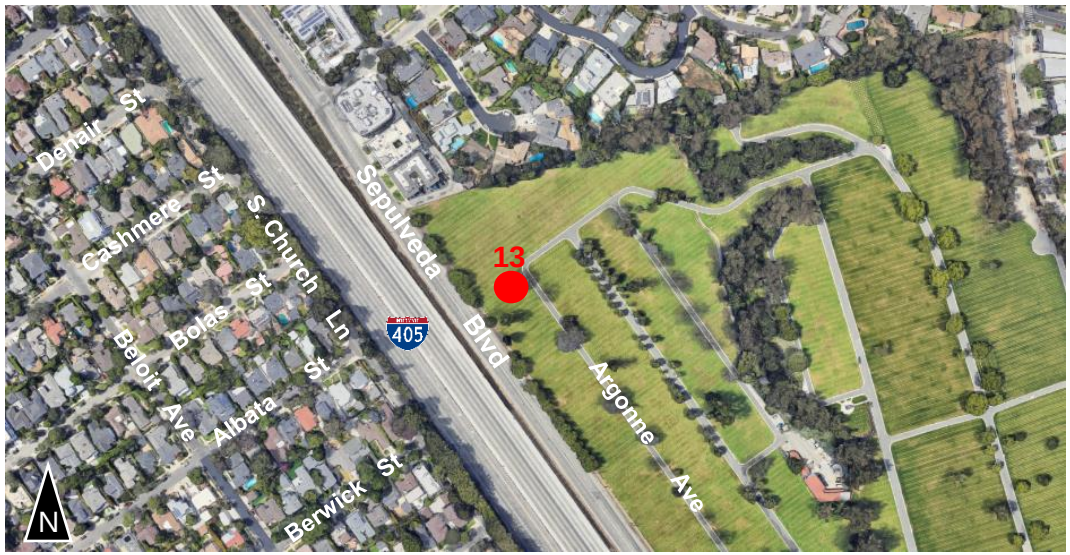
Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 14 – Los Angeles National Cemetery #5, 950 S Sepulveda Blvd, Los Angeles



Looking Northeast



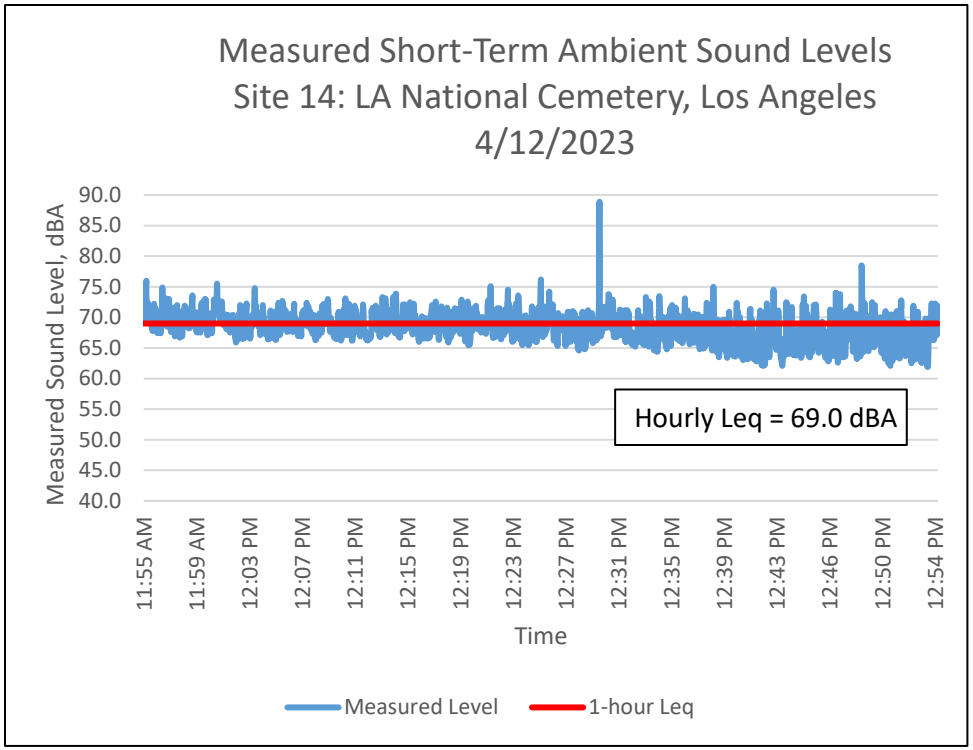
Looking Northwest

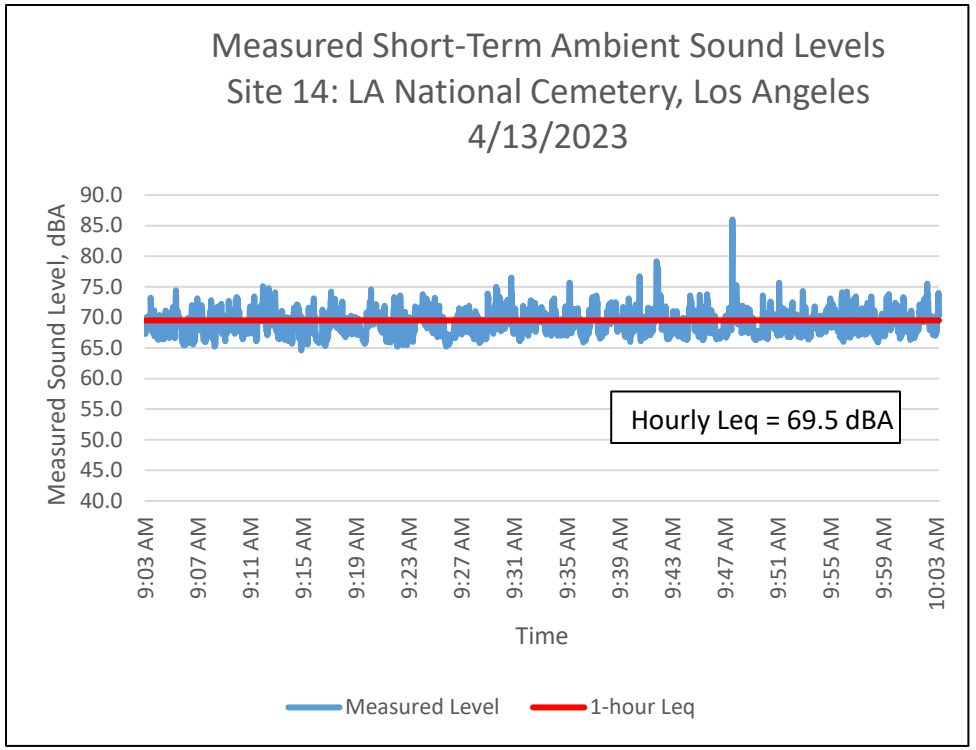


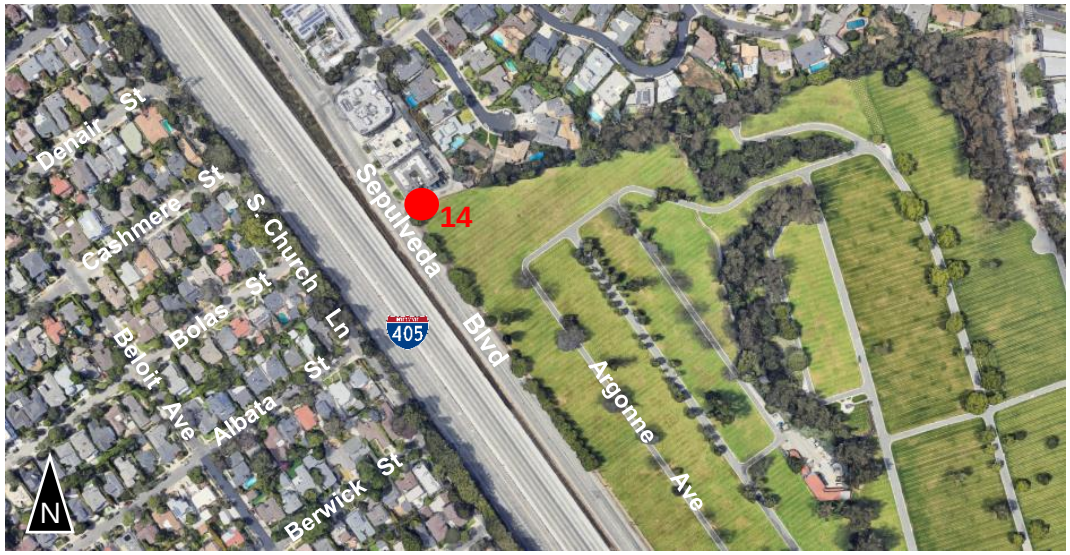
Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 17 – Village Church-Westwood Lutheran, 343 S. Church Ln, Los Angeles



Looking Northeast



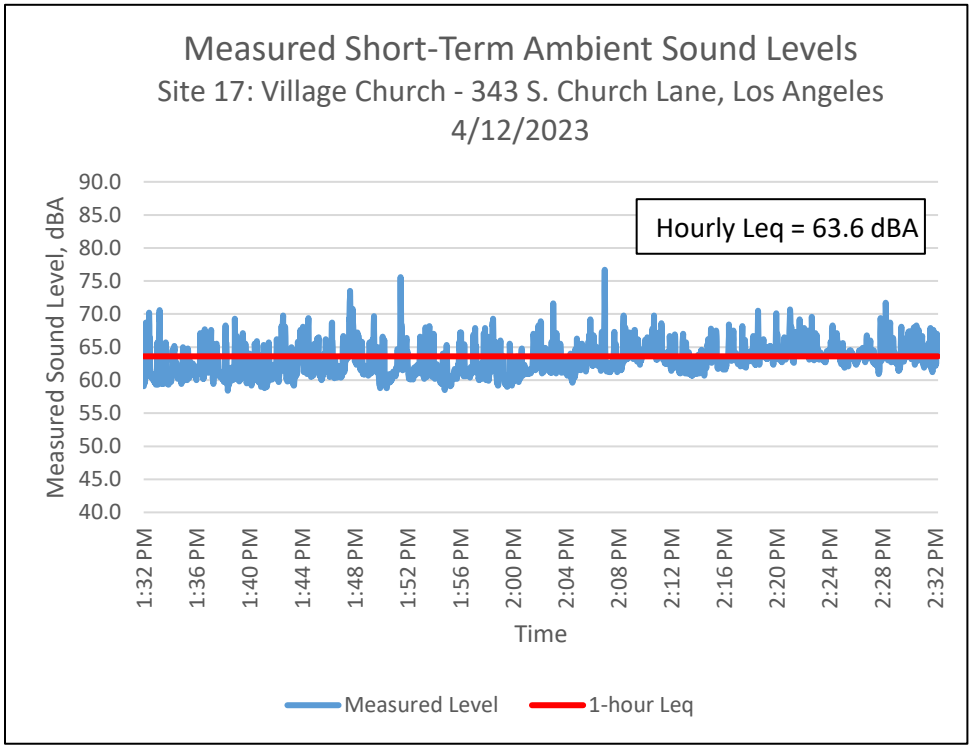
Looking Northwest

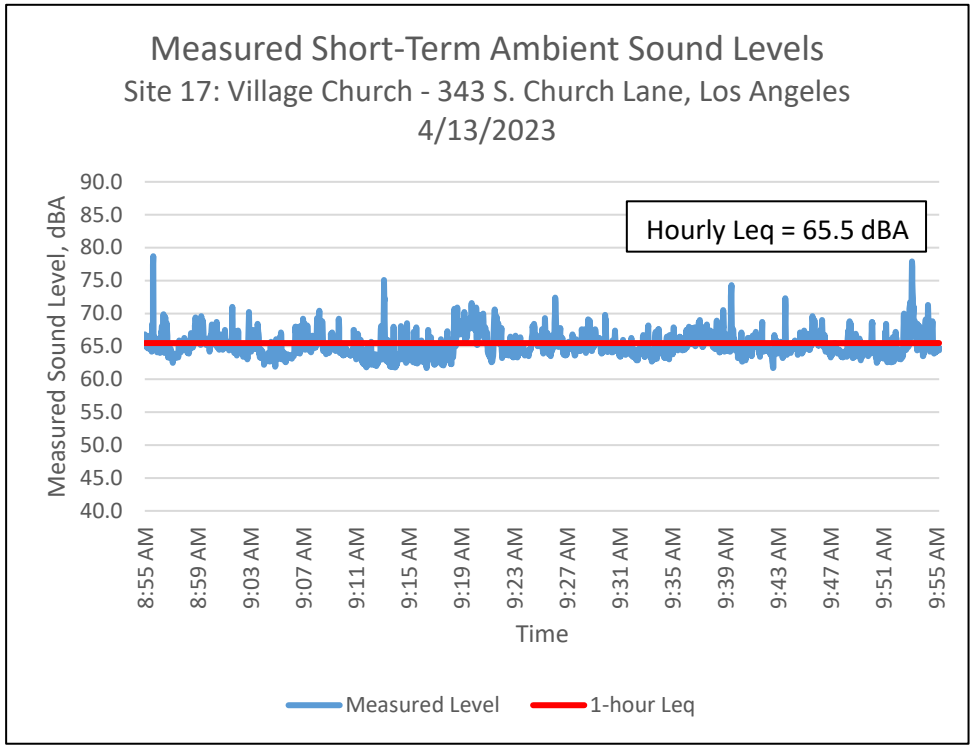


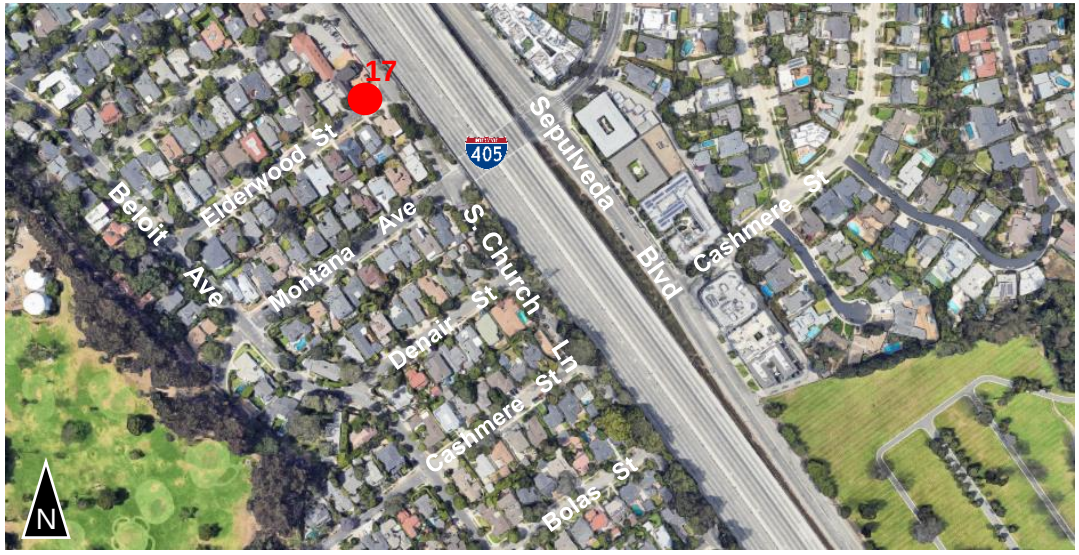
Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 27 – Leo Baeck Temple, 1300 N. Sepulveda Blvd, Los Angeles



Looking Northeast



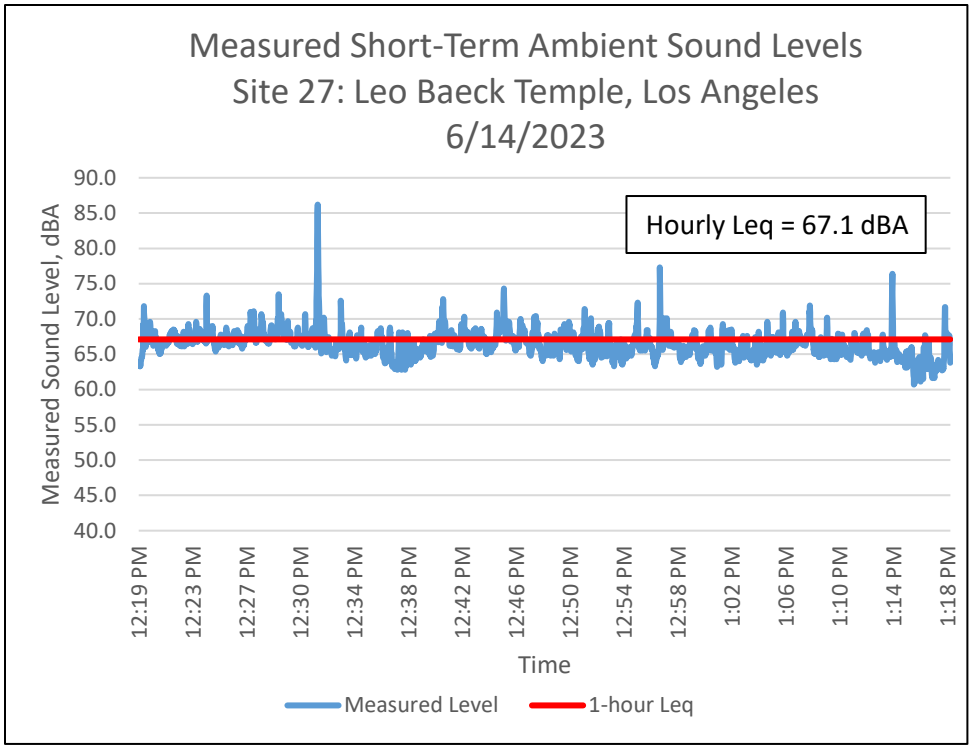
Looking Northwest

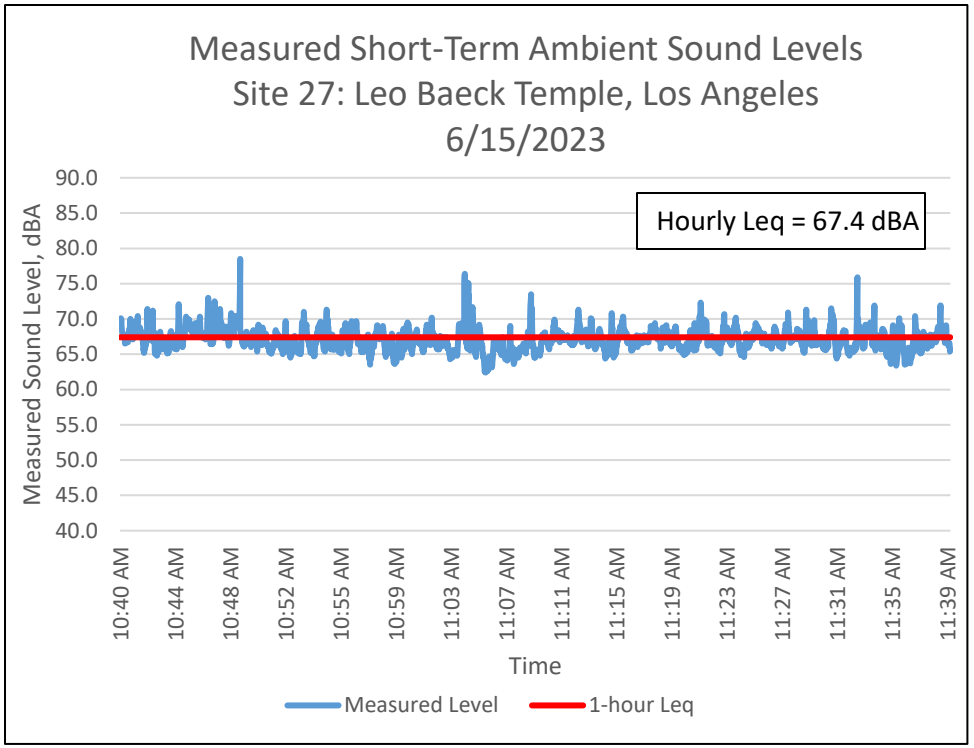


Looking Southwest



Looking Southeast







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 28 – The Getty Tram Station, 1200 Getty Center Drive, Los Angeles



Looking East



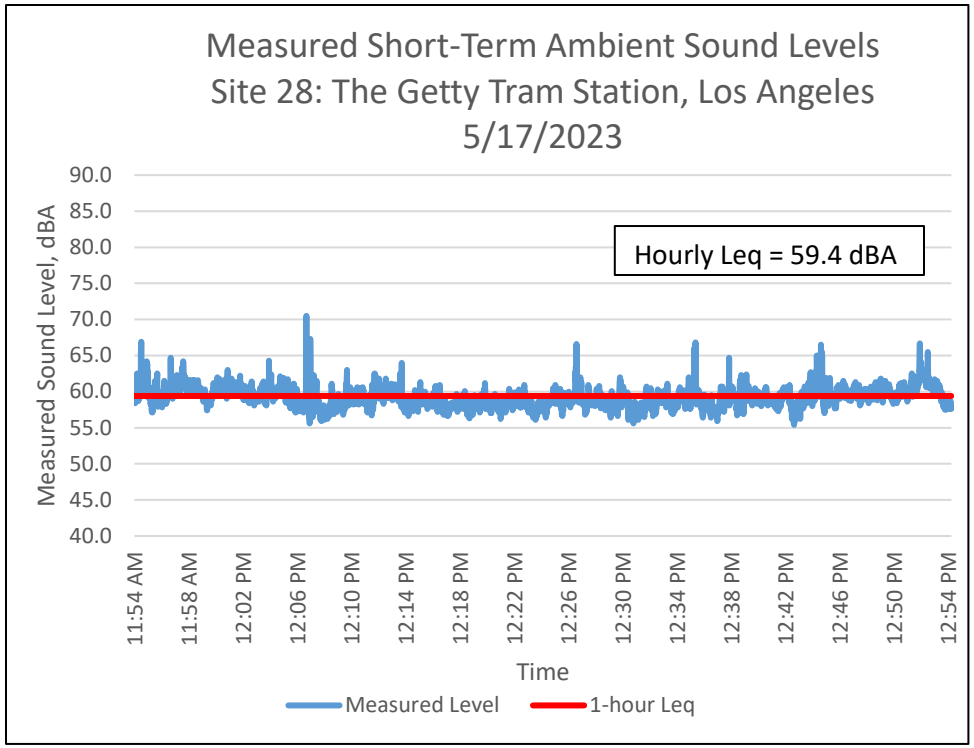
Looking North

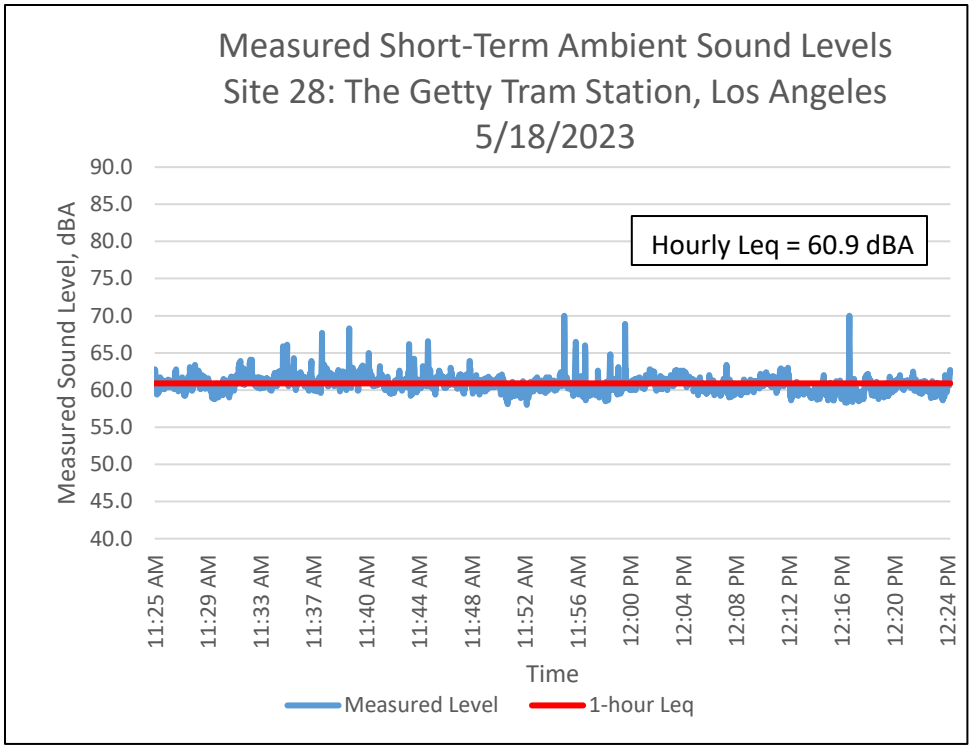


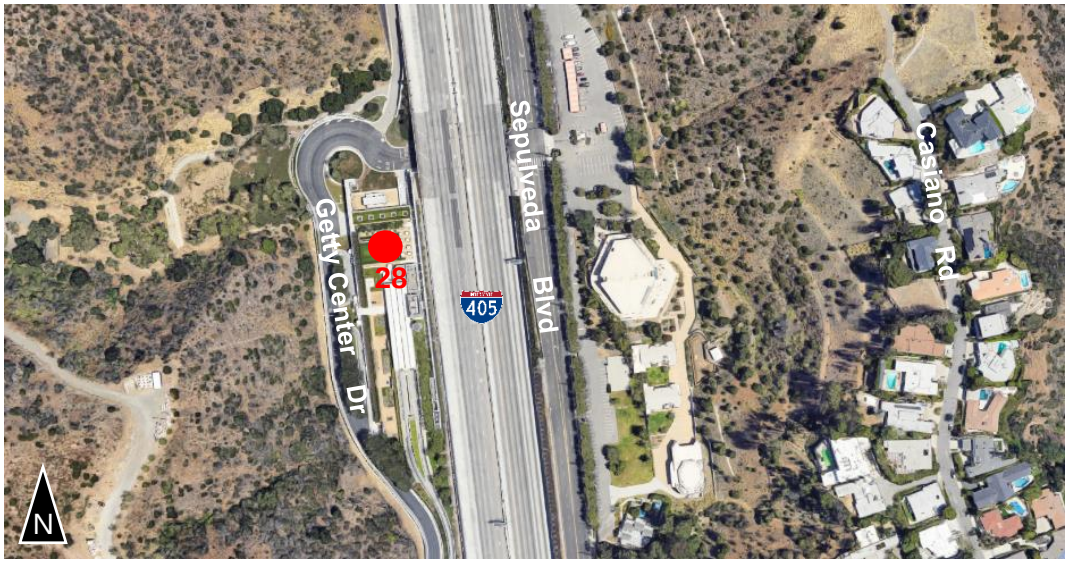
Looking West



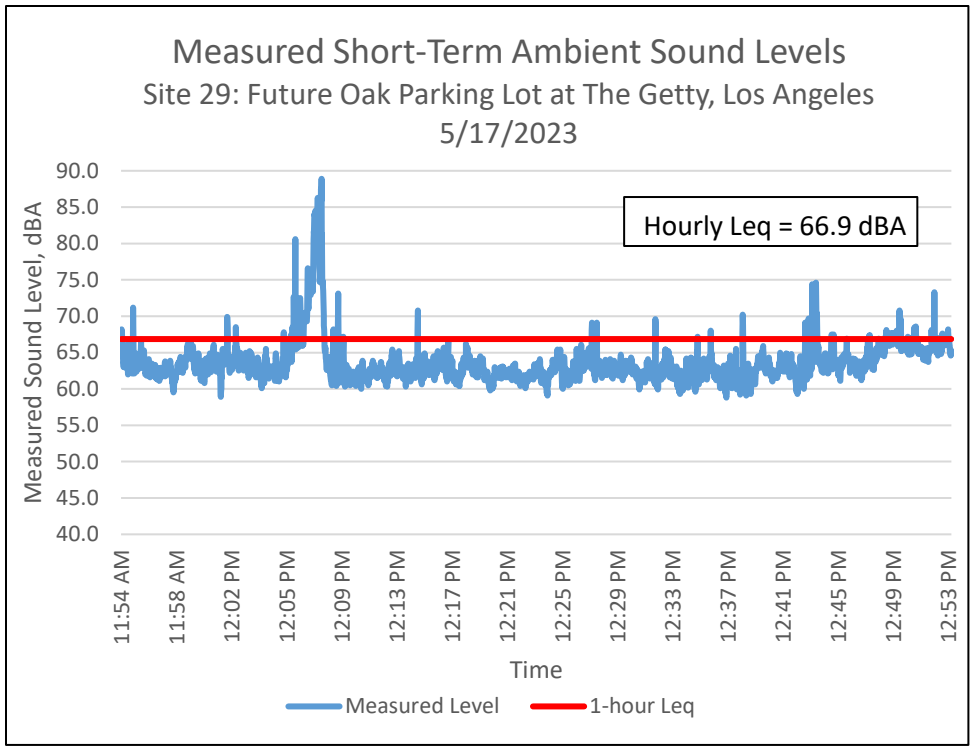
Looking South

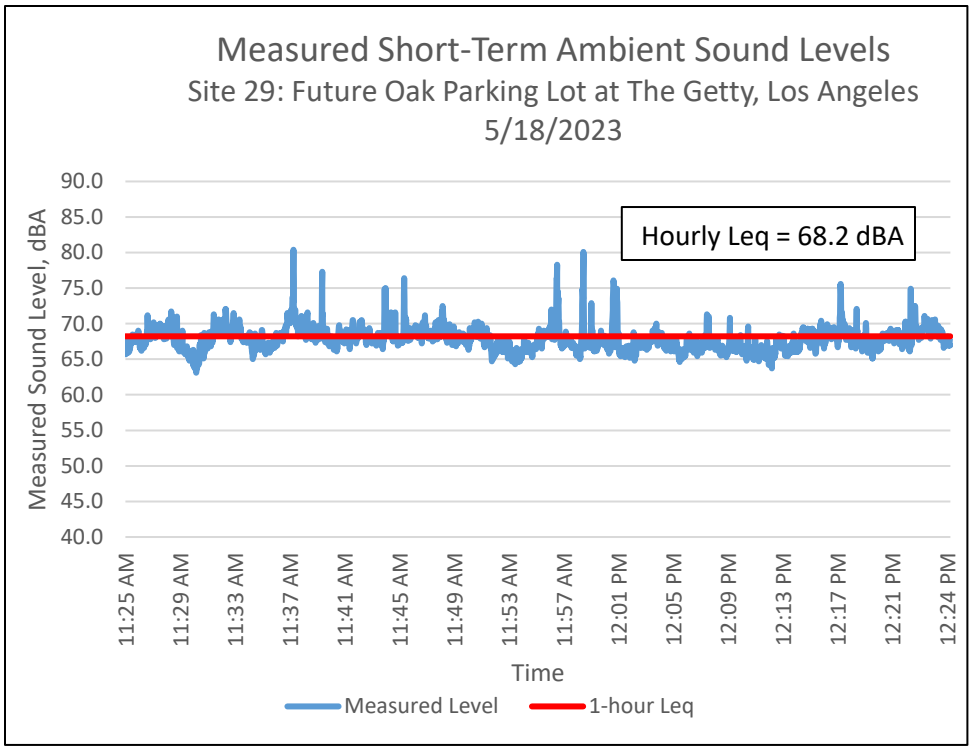


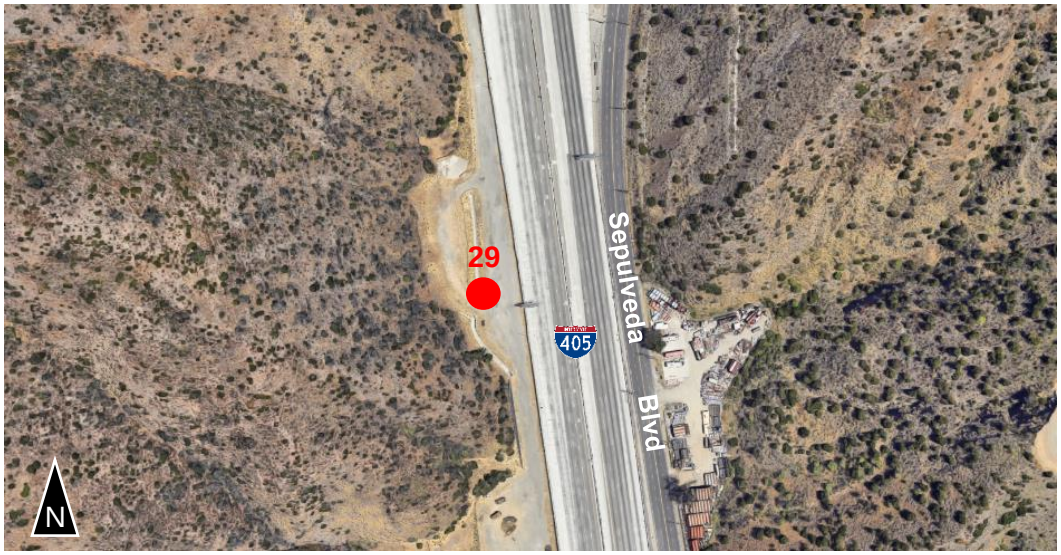




Leq: Measured average equivalent sound level during the 1-hour measurement period.





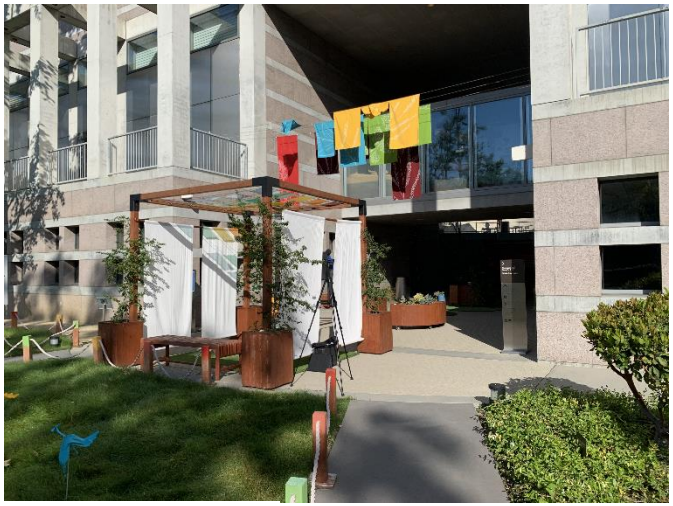


Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 33 – Skirball Cultural Center, Ziegler Amphitheater, East Façade
2701 N Sepulveda Blvd, Los Angeles



Looking North



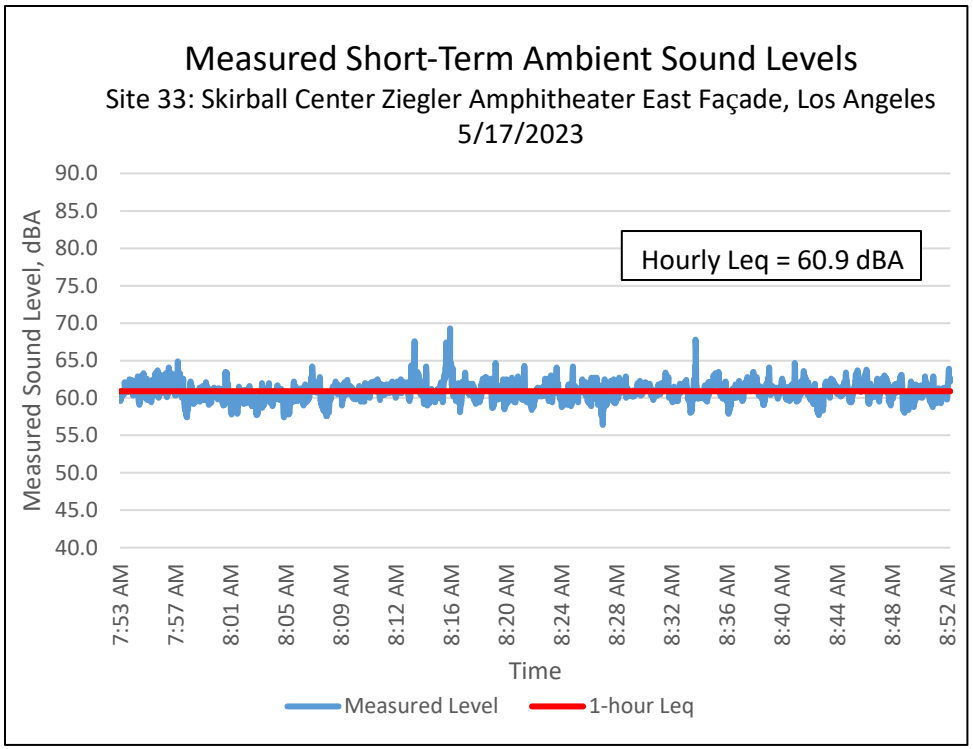
Looking West

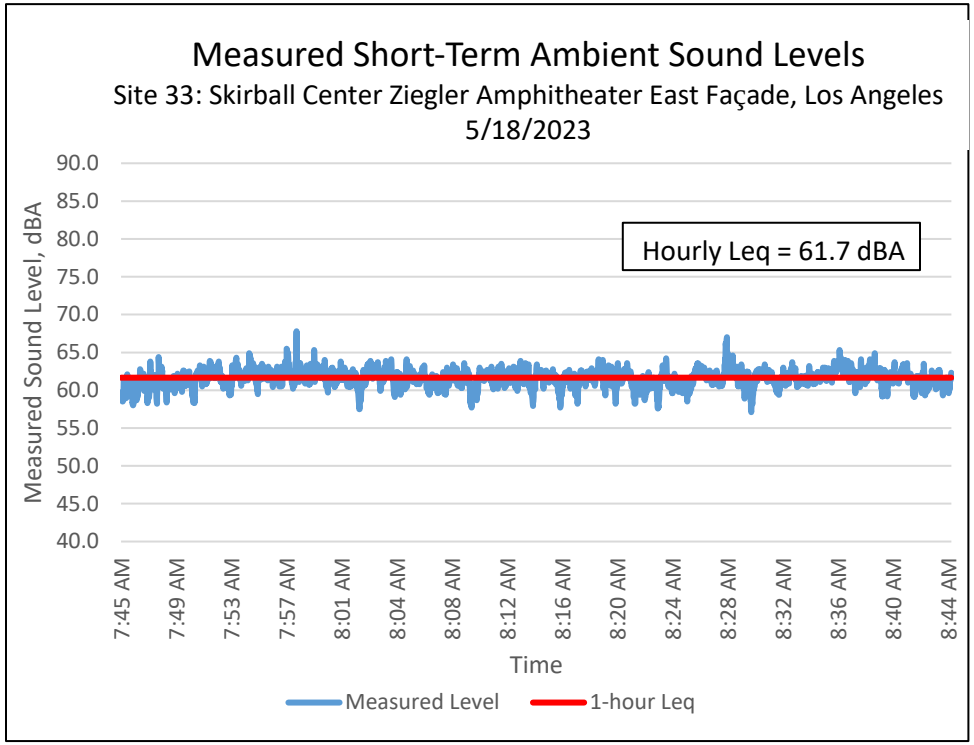


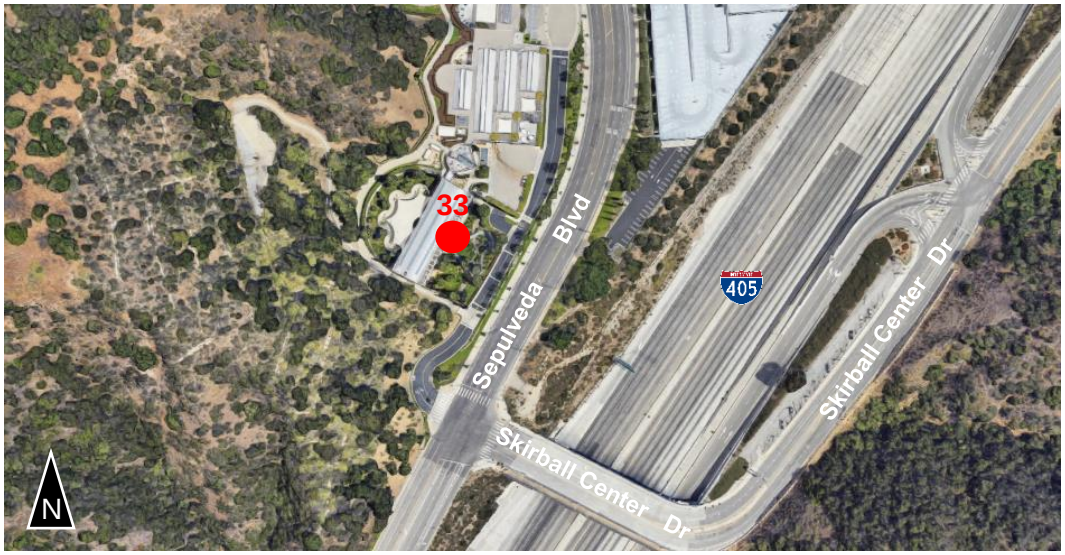
Looking Southwest



Looking South

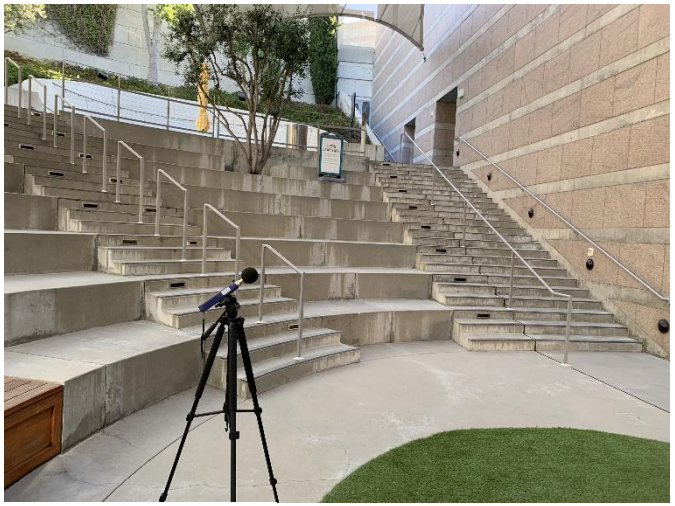






Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 34 – Skirball Cultural Center, Ziegler Amphitheater Interior
2701 N Sepulveda Blvd, Los Angeles



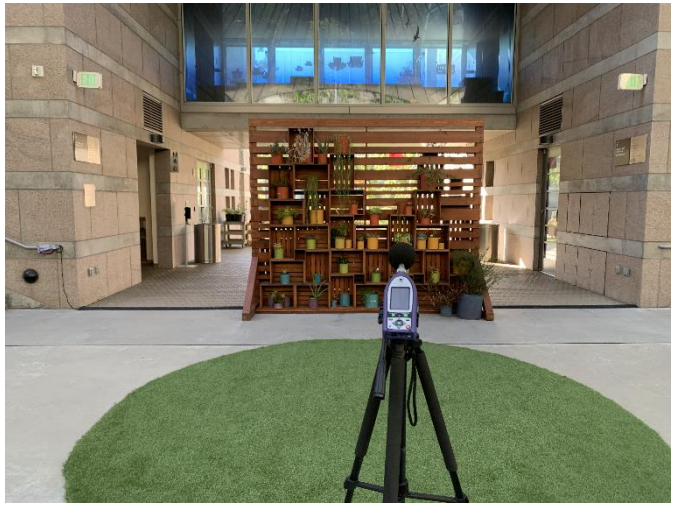
Looking Northeast



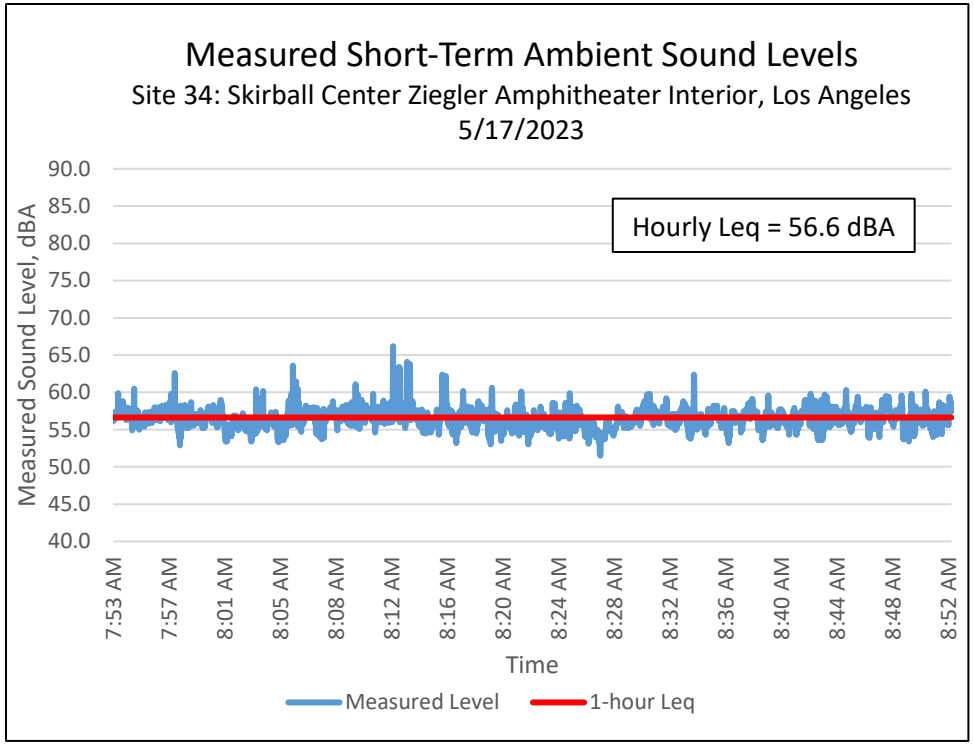
Looking Northwest

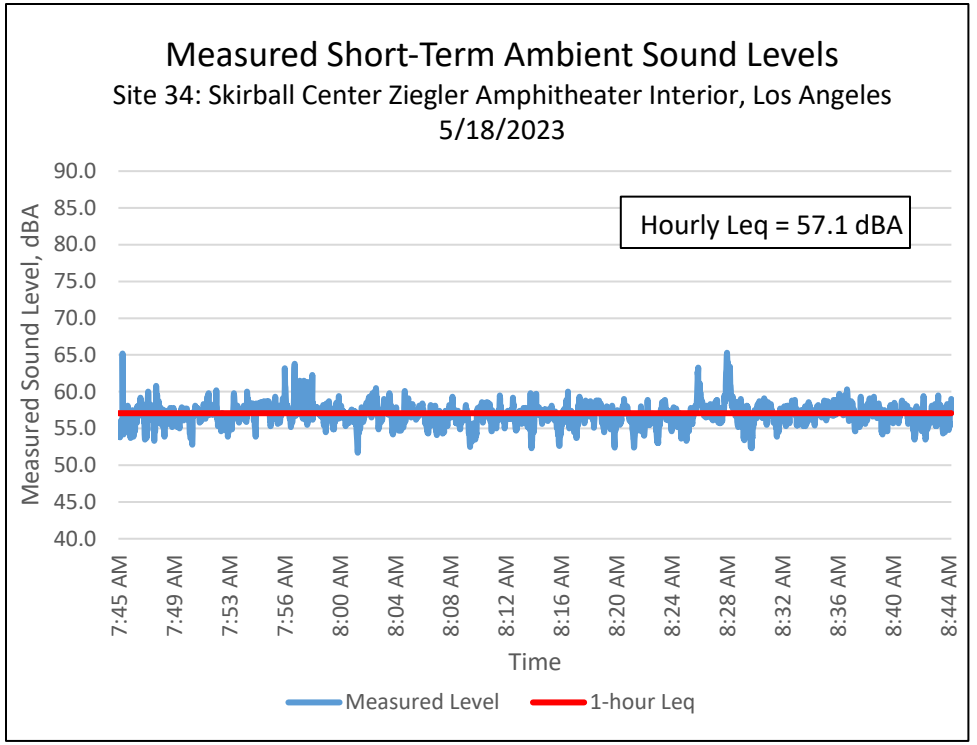


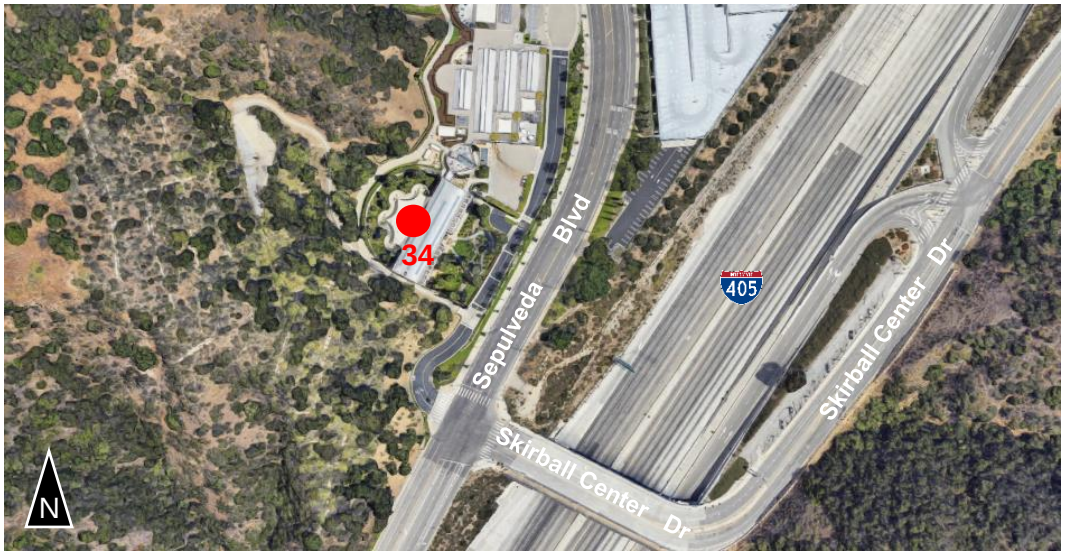
Looking Southwest



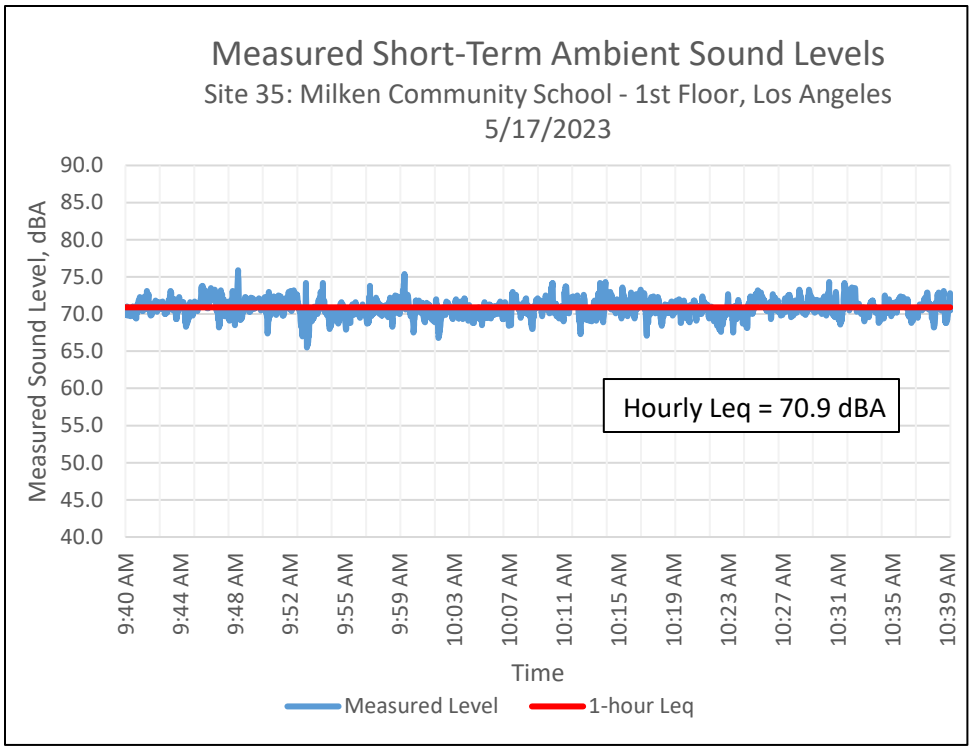
Looking Southeast

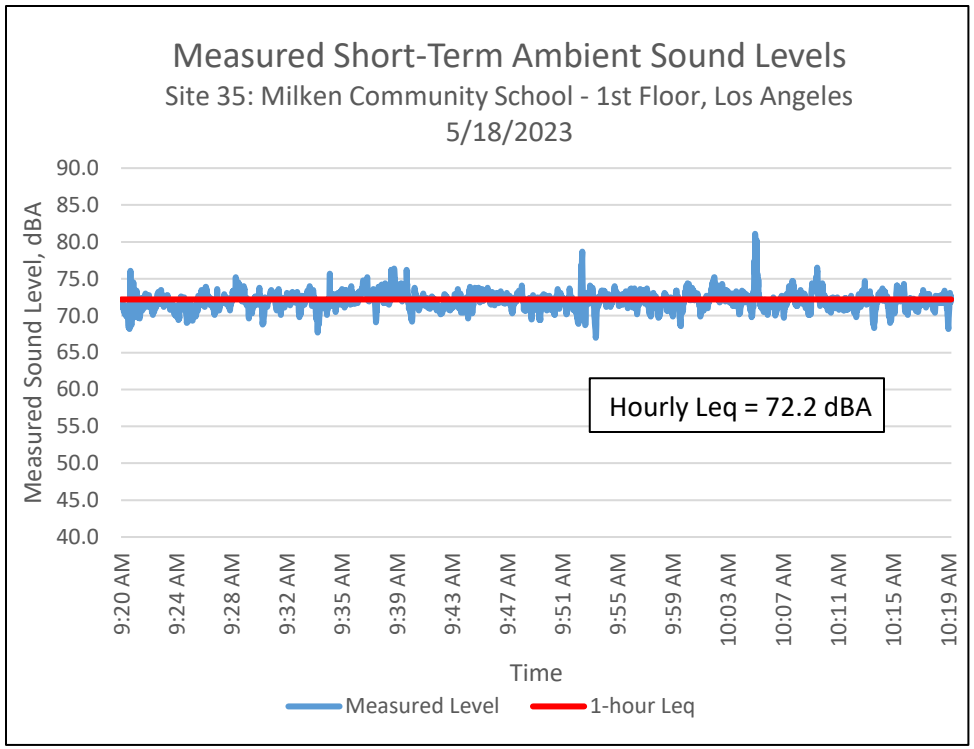


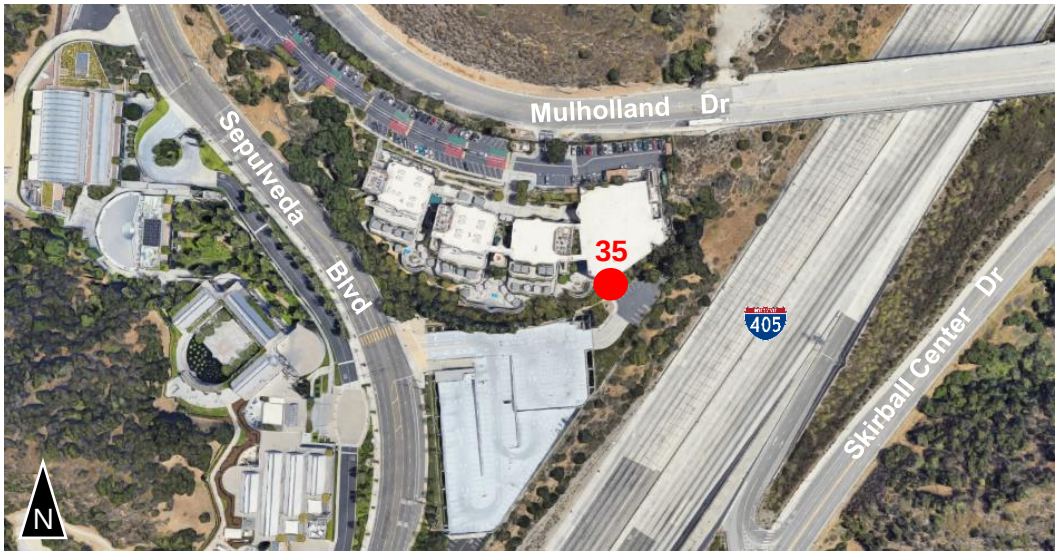




Leq: Measured average equivalent sound level during the 1-hour measurement period.







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 36 – Milken Community School, Second Floor, 15800 Zeldins Way, Los Angeles



Looking East



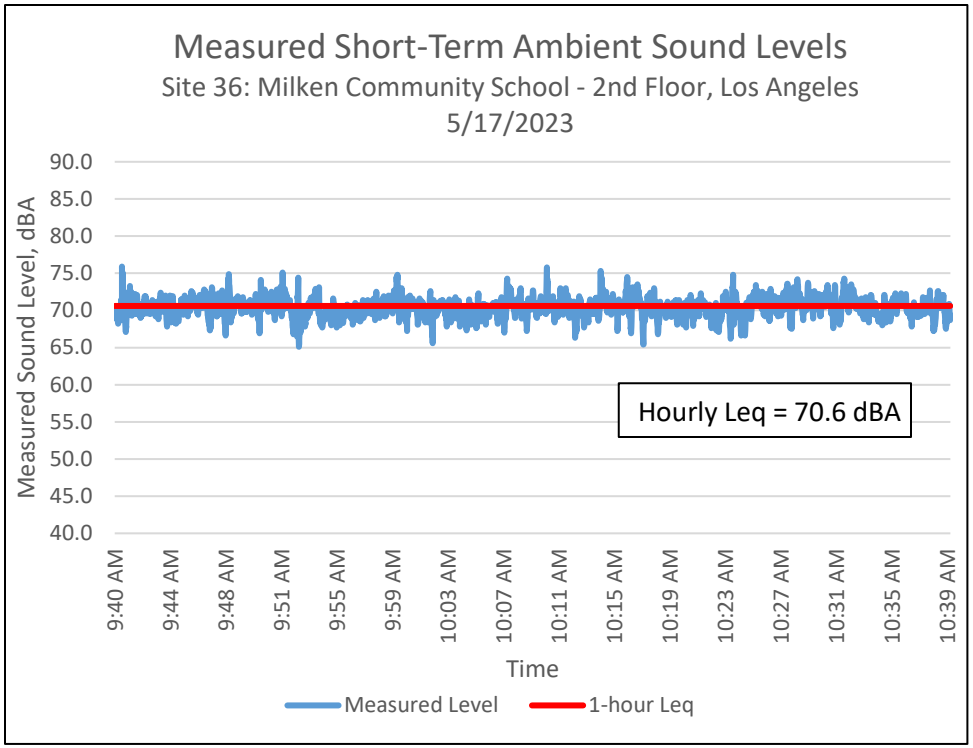
Looking North

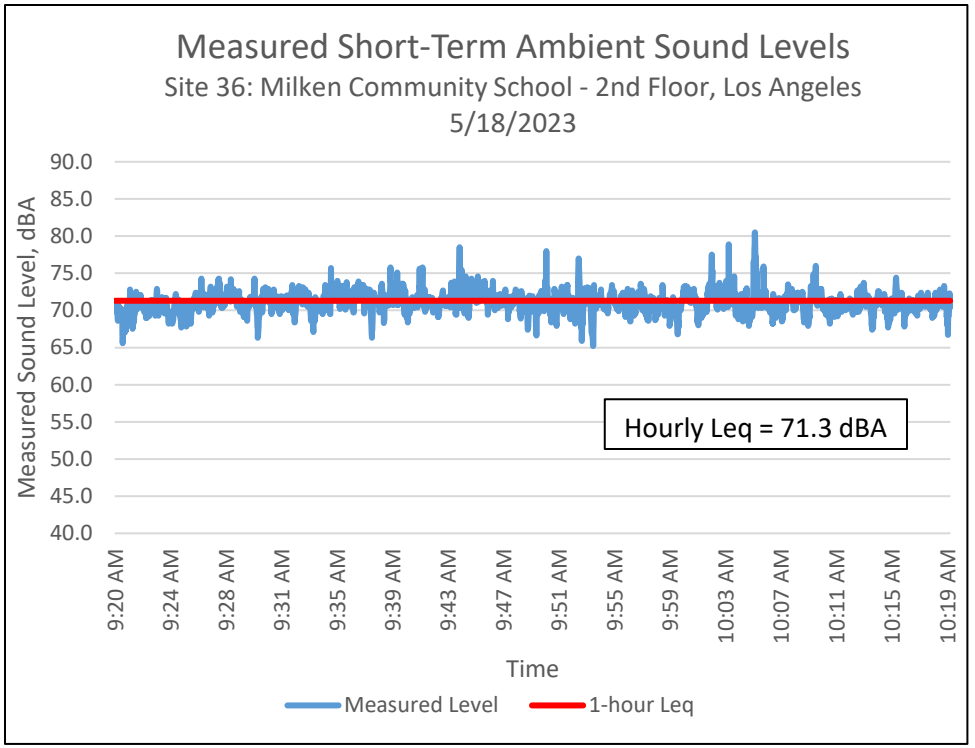


Looking West



Looking South







Leq: Measured average equivalent sound level during the 1-hour measurement period.

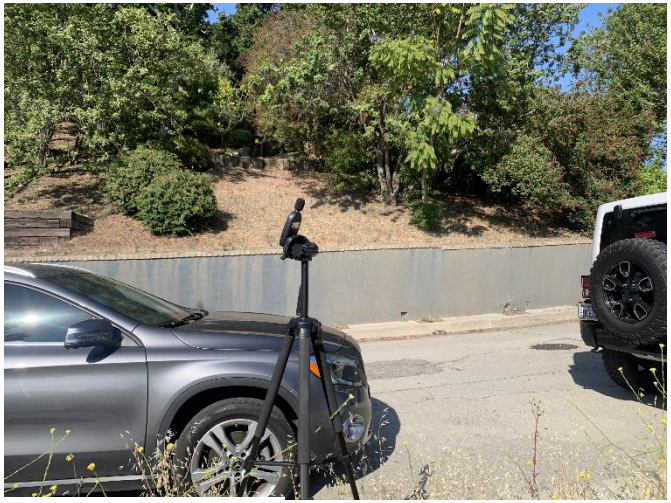
Noise Measurement Photographs at Site 40 – 15347 Del Gado Dr, Sherman Oaks



Looking Northeast



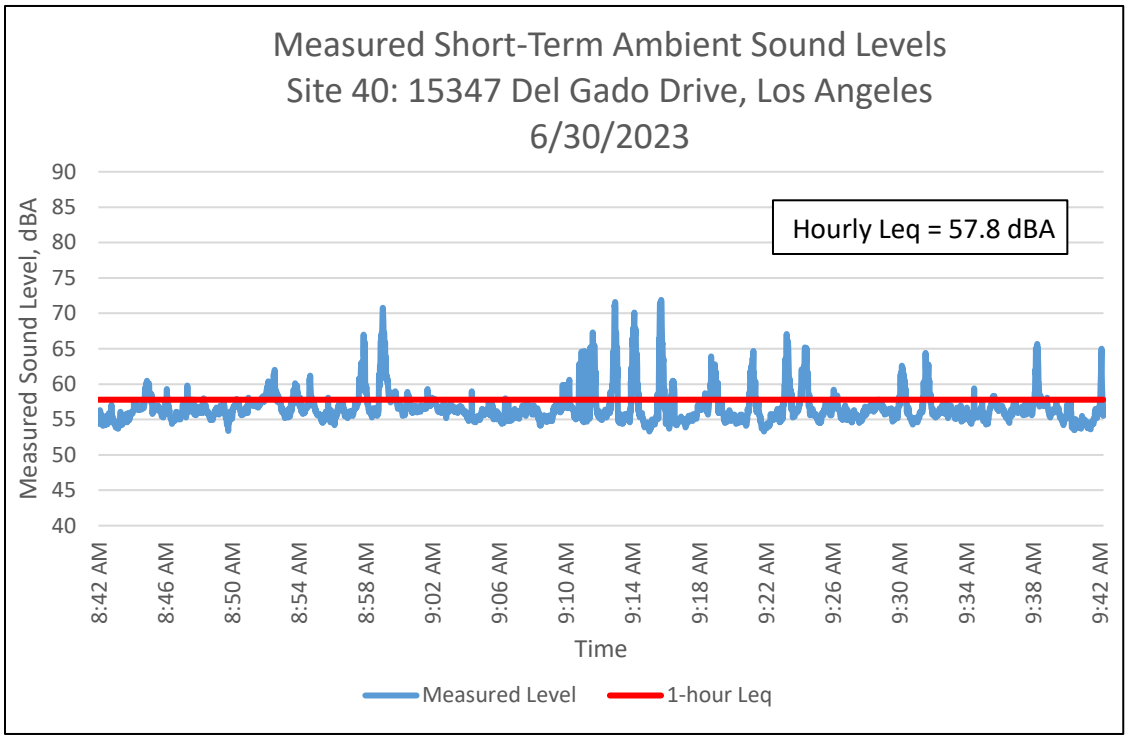
Looking Northwest

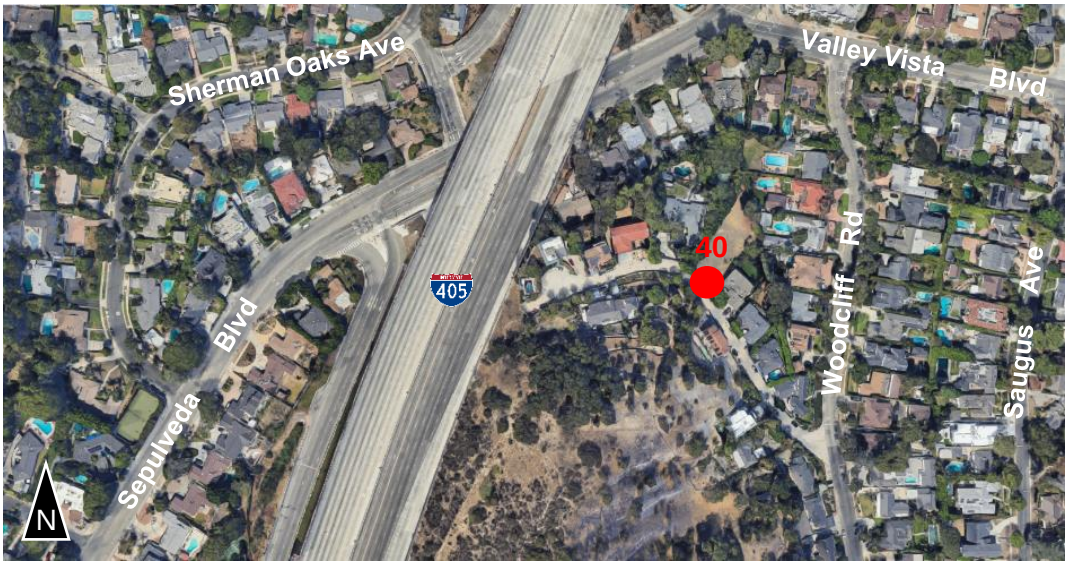


Looking Southwest



Looking Southeast





Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 46 – Ivy Bound Academy, 15355 Morrison St, Sherman Oaks



Looking East



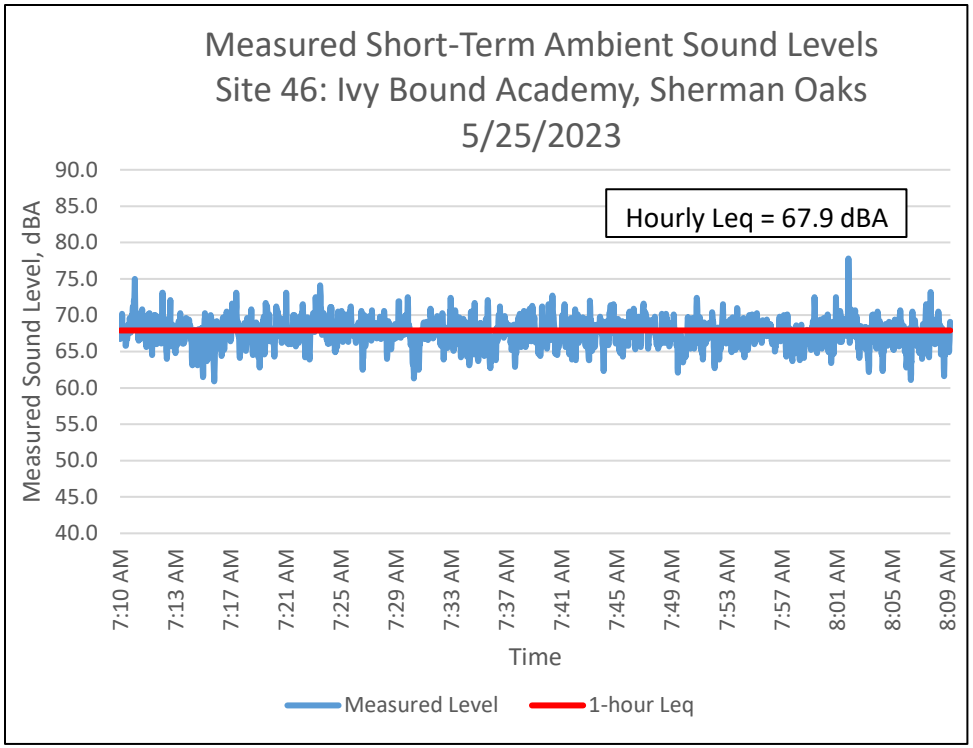
Looking North

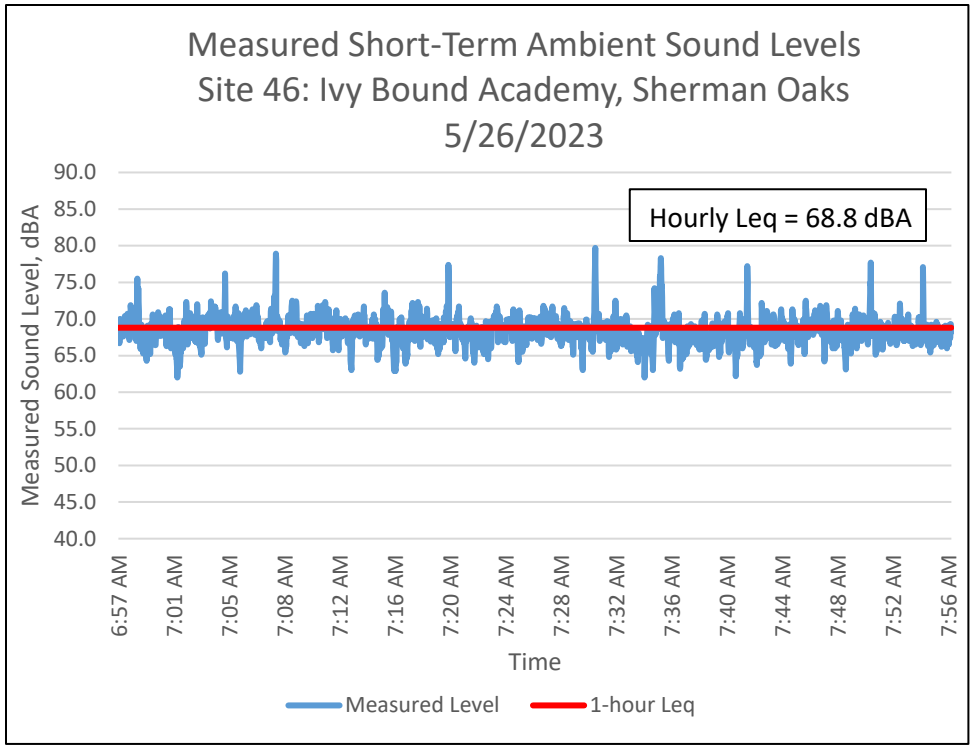


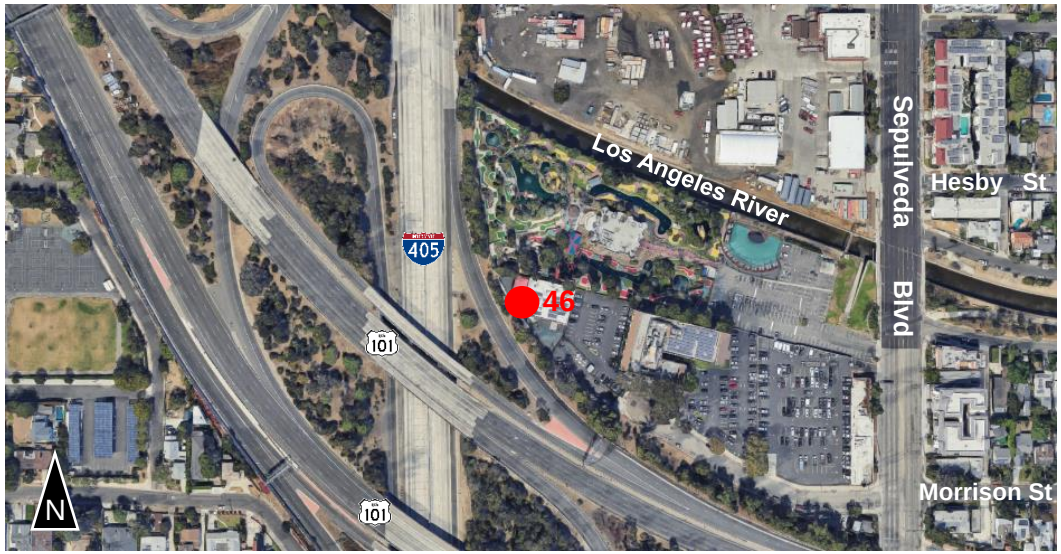
Looking West



Looking South





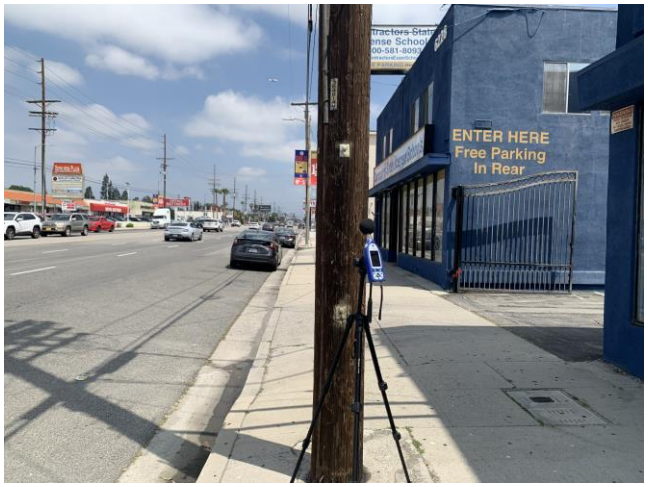


Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 54 – Contractors State License School, 6222 Sepulveda Blvd, Van Nuys



Looking East



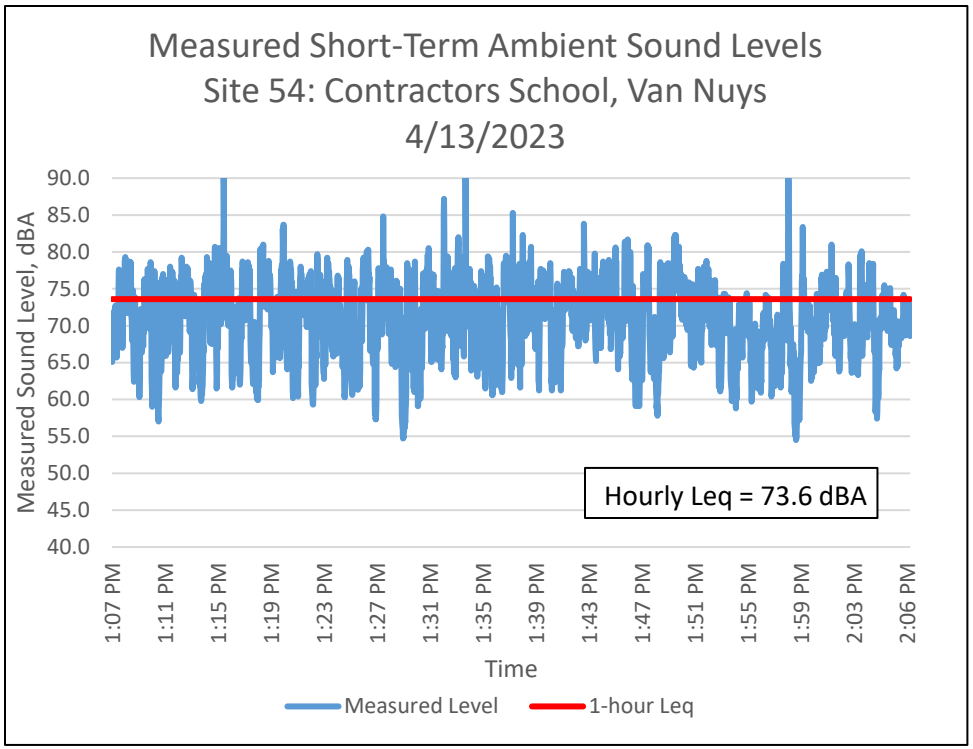
Looking North

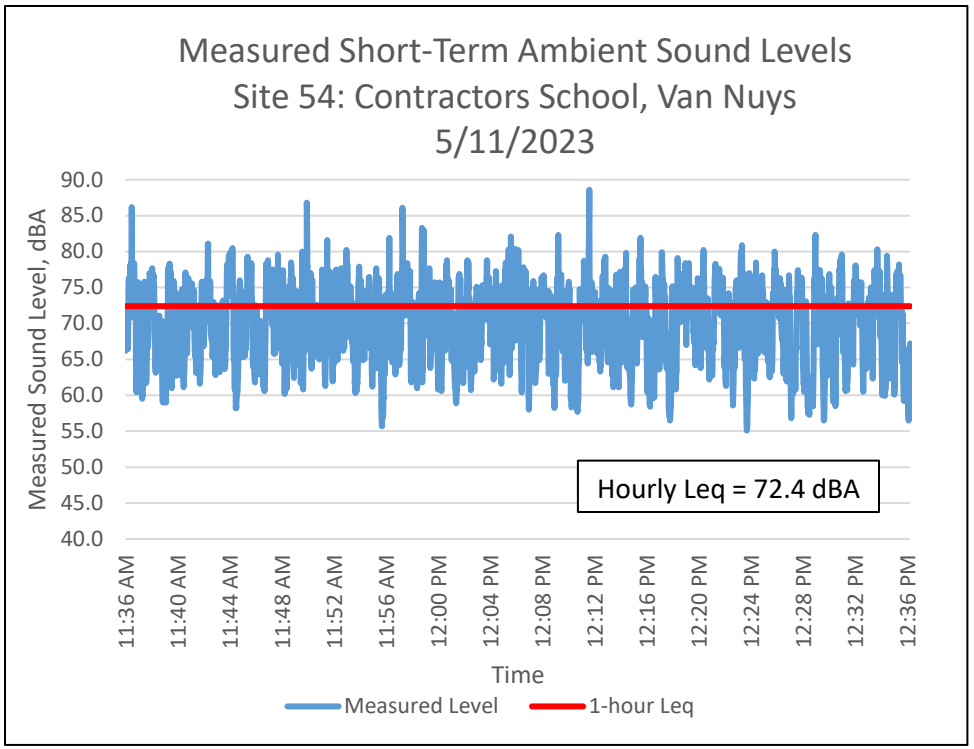


Looking West



Looking South







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Noise Measurement Photographs at Site 68 – La Iglesia de Jesucristo de los Santos de los Últimos Días
15555 Saticoy St, Van Nuys



Looking East



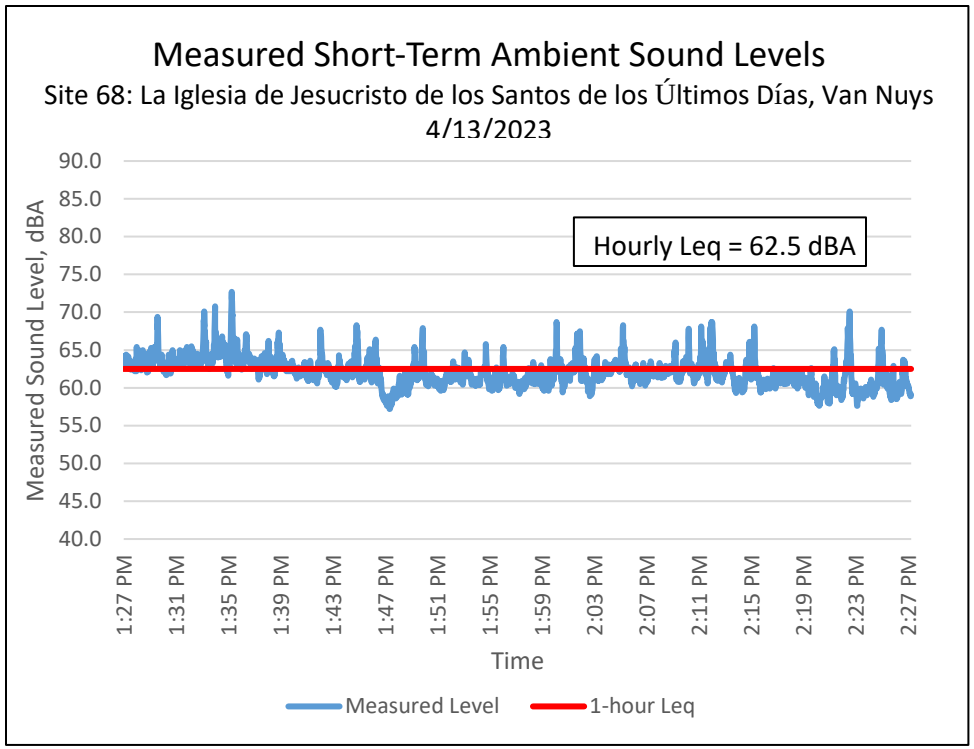
Looking North

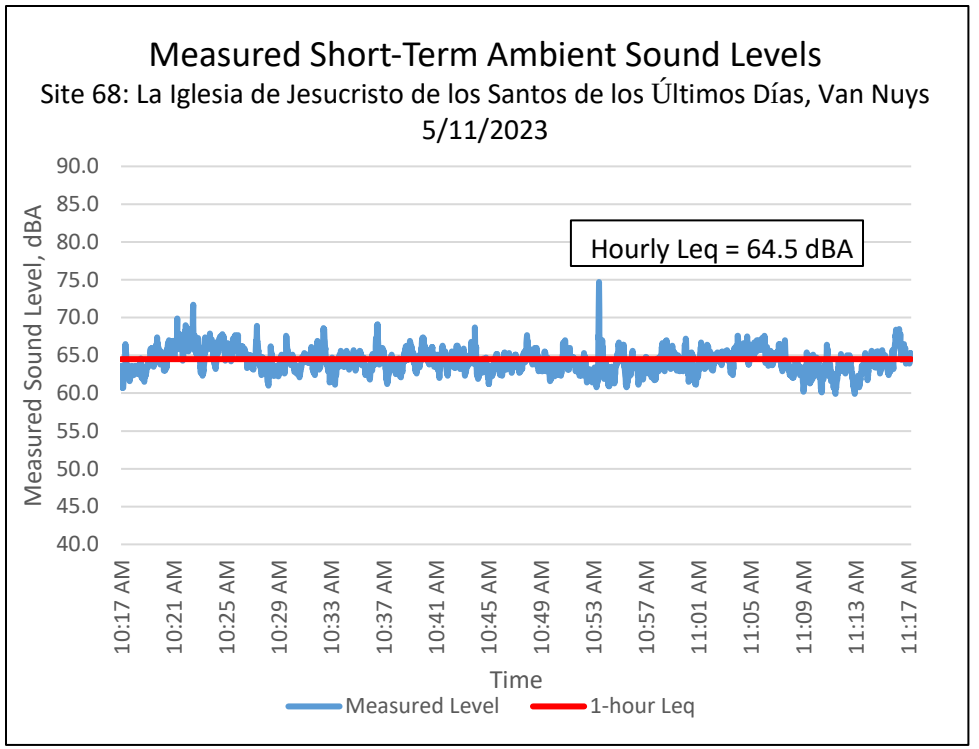


Looking West



Looking South







Leq: Measured average equivalent sound level during the 1-hour measurement period.

Attachment 3. Alternative 1: Airborne Noise Impact Assessment and Mitigation

Sepulveda Transit Corridor
LASRE Alternative 1
Airborne Noise Impact Assessment and Mitigation
Category 2 Sites (L_{dn})

Receptor ID	Noise Measurement Location	Address	Near Track Direction	NB Track Station	SB Track Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground (ft)	Distance to NB Track (ft)			Distance to SB Track (ft)			Train Speeds		Existing Wall Adjustment		Building Shielding		Crossover Noise Adjustment		Calculated L_{dn}, dBA			Existing L_{dn} (dBA)	Level of Noise Impact					Mitigation Measure		Noise Levels After Mitigation		
										Horiz	Vertical	Total	Horiz	Vertical	Total	NB Speed (mph)	SB Speed (mph)	NB	SB	NB	SB	NB	SB	NB Track L_{dn} (dBA)	SB Track L_{dn} (dBA)	Total L_{dn} (dBA)		Impact L_{dn} (dBA) From	Impact L_{dn} (dBA) To	No Impact	Moderate Impact	Severe Impact	Mitigation Type	Location	NB Track L_{dn} (dBA)	SB Track L_{dn} (dBA)	Total L_{dn} (dBA)
NL-1.1	1	2435 S Sepulveda Blvd, Los Angeles, CA 90064	NB	502+28	502+28	239.5	2.0	170.0	45.0	259	26.5	260	299	26.5	300	10	10	0	0	0	0	0	0	36	35	39	74	66	72	√	--	--					
NL-1.2		Holiday Inn Express - West LA, 11250 Santa Monica Blvd, Los Angeles, CA 90025	SB	557+54	557+27	303.0	2.0	242.0	35.0	302	28.0	303	288	28.0	289	19	25	0	0	0	0	0	0	41	43	45	66	62	67	√	--	--					
NL-1.3	4	1521-1539 Beloit Ave, Los Angeles, CA 90025	SB	561+22	561+05	313.6	2.0	258.0	35.0	48	22.6	53	34	22.6	41	28	31	0	0	0	0	0	0	55	58	60	66	62	67	√	--	--					
NL-1.4	5	Greater LA Fisher House	SB	569+16	569+05	320.2	2.0	275.0	5.0	204	42.2	208	190	42.2	194	39	46	0	0	0	0	0	0	49	51	54	69	64	69	√	--	--					
NL-1.5	7	West LA VA Medical Center	SB	586+33	586+16	385.7	2.0	320.0	5.0	326	62.7	332	307	62.7	314	34	20	0	0	0	0	0	0	45	41	47	67	63	67	√	--	--					
NL-1.6		11326 Berwick St, Los Angeles, CA 90049	SB	629+23	629+10	423.7	2.0	390.0	5.0	140	30.7	144	126	30.7	130	56	56	0	0	0	0	0	0	55	56	58	76	66	74	√	--	--					
NL-1.7		11339 Burnham St, Los Angeles, CA 90049	SB	628+70	628+57	422.6	2.0	391.0	5.0	279	28.6	281	265	28.6	267	56	56	0	0	0	0	0	0	51	51	54	70	65	69	√	--	--					
NL-1.8	15	426 S. Sepulveda Blvd, Los Angeles, CA 90049	NB	639+30	639+17	455.3	2.0	408.0	25.0	204	24.3	206	218	24.3	220	56	56	0	0	0	0	0	0	53	52	55	71	66	70	√	--	--					
NL-1.9		11335 Cashmere St, Los Angeles, CA 90049	SB	638+78	638+65	452.9	2.0	412.0	5.0	284	37.9	286	270	37.9	273	56	56	0	0	0	0	0	0	50	51	54	72	66	71	√	--	--					
NL-1.10	16	11330 Denair St, Los Angeles, CA 90049	SB	639+43	639+30	455.7	2.0	414.0	5.0	173	38.7	178	159	38.7	164	56	56	0	0	0	0	0	0	54	54	57	76	66	74	√	--	--					
NL-1.11		390 S Sepulveda Blvd, Los Angeles, CA 90049	NB	644+35	644+22	476.3	2.0	422.0	45.0	192	11.3	192	206	11.3	206	55	56	0	0	0	0	0	0	53	53	56	71	66	70	√	--	--					
NL-1.12		11325 Elderwood St, Los Angeles, CA 90049	SB	646+90	646+77	481.5	2.0	431.0	5.0	268	47.5	272	254	47.5	258	55	56	0	0	0	0	0	0	51	51	54	71	66	70	√	--	--					
NL-1.13		375 Dalkeith Ave, Los Angeles, CA 90049	NB	647+01	646+88	481.6	2.0	450.0	5.0	233	28.6	235	247	28.6	249	55	56	0	0	0	0	0	0	52	51	54	71	66	70	√	--	--					
NL-1.14	18	353 Dalkeith Ave, Los Angeles, CA 90049	NB	649+75	649+62	483.5	2.0	490.0	5.0	235	-9.5	236	249	-9.5	250	56	56	-0.1	-1.0	0	0	0	0	52	50	54	72	66	71	√	--	--					
NL-1.15		315 Thurston Ave, Los Angeles, CA 90049	NB	653+99	653+86	487.9	2.0	472.0	5.0	245	12.9	245	259	12.9	259	56	56	-1.1	-1.3	0	0	0	0	50	50	53	72	66	71	√	--	--					
NL-1.16		237 S Church Ln, Los Angeles, CA 90049	SB	655+27	655+14	489.8	2.0	450.0	15.0	136	26.8	138	122	26.8	125	56	56	-1.9	0	0	0	0	0	53	56	58	76	66	74	√	--	--					
NL-1.17		11319 Homedale St, Los Angeles, CA 90049	SB	654+91	654+77	489.3	2.0	452.0	5.0	281	34.3	283	267	34.3	269	56	56	0	0	0	0	0	0	51	51	54	71	66	70	√	--	--					
NL-1.18		231 S Thurston Ave, Los Angeles, CA 90049	NB	658+25	658+12	495.2	2.0	508.0	5.0	211	-15.8	211	225	-15.8	225	56	56	-11.8	-11.6	0	0	0	0	41	40	44	72	66	71	√	--	--					
NL-1.19	20	11420 Thurston Cir, Los Angeles, CA 90049	NB	675+69	675+57	539.7	2.0	518.0	5.0	255	18.7	256	269	18.7	270	56	56	0	0	0	0	0	0	51	51	54	73	66	71	√	--	--					
NL-1.20	21	Hotel Angeleno, 170 N Church Ln, Los Angeles, CA 90049	SB	674+48	674+36	536.4	2.0	498.8	35.0	169	4.6	169	155	4.6	155	56	56	0	0	0	0	0	0	54	54	57	87	66	75	√	--	--					
NL-1.21		Museum Heights, 171 N Church Ln, Los Angeles, CA 90049	SB	678+56	678+43	553.1	2.0	534.0	45.0	335	-23.9	336	321	-23.9	322	56	56	0	0	0	0	0	0	49	50	53	80	66	75	√	--	--					
NL-1.22	23	11720 Bellagio Rd, Los Angeles, CA 90049	NB	691+73	691+59	587.9	2.0	536.0	15.0	226	38.9	229	240	38.9	243	56	56	0	0	0	0	0	0	52	52	55	71	66	70	√	--	--					
NL-1.23	24	11812 Bellagio Rd, Los Angeles, CA 90049	NB	701+16	701+03	616.1	2.0	557.0	5.0	203	56.1	211	217	56.1	224	56	56	-0.2	-2.0	0	0	0	0	52	50	54	71	66	70	√	--	--					
NL-1.24		1055 Acanto Pl, Los Angeles, CA 90049	NB	714+81	714+73	657.1	2.0	594.0	5.0	230	60.1	238	244	60.1	251	56	56	0	-0.1	0	0	0	0	52	51	54	71	66	70	√	--	--					
NL-1.25	25	Leonard I. Beeman Early Childhood Center, Los Angeles, CA 90049	NB	725+12	725+06	688.1	2.0	636.0	5.0	227	49.1	232	241	49.1	246	56	51	-3.5	-5.2	0	0	0	0	48	45	50	72	66	71	√	--	--					
NL-1.26	26	1399 Casiano Rd, Los Angeles, CA 90049	NB	733+95	733+89	728.4	2.0	886.0	5.0	813	-160.6	829	827	-160.6	842	31	19	0	0	0	0	0	0	38	34	40	76	66	74	√	--	--					
NL-1.27		3550 Royal Woods Dr, Sherman Oaks, CA 91403	SB	917+02	917+04	1072.5	2.0	1042.0	5.0	306	27.5	307	292	27.5	293	56	41	0	0	0	0	0	0	50	48	52	67	63	67	√	--	--					
NL-1.28		3553 Scadlock Ln, Sherman Oaks, CA 91403	NB	921+19	921+21	1050.1	2.0	1118.0	5.0	366	-70.9	373	380	-70.9	386	56	41	0	0	0	0	0	0	49	46	51	70	65	69	√	--	--					
NL-1.29		15508 Royal Ridge Rd, Sherman Oaks, CA 91403	SB	924+49	924+50	1032.3	2.0	930.0	5.0	325	99.3	340	311	99.3	327	56	41	-4.3	-0.7	0	0	0	0	45	46	49	63	60	65	√	--	--					
NL-1.30	38	15460 Briarwood Dr, Sherman Oaks, CA 91403	NB	941+53	941+50	940.5	2.0	970.0	5.0	171	-32.5	174	185	-32.5	187	56	41	-8.1	-7.2	0	0	0	0	46	43	48	74	66	72	√	--	--					
NL-1.31	39	15515 Woodcrest Dr, Sherman Oaks, CA 91403	SB	943+84	943+82	927.8	2.0	850.0	5.0	193	74.8	207	179	74.8	194	56	41	-15.0	-15.0	0	0	0	0	38	35	40	63	60	65	√	--	--					
NL-1.32		15528 Briarwood Dr, Sherman Oaks, CA 91403	SB	949+25	949+24	897.6	2.0	980.0	5.0	290	-85.4	303	304	-85.4	316	56	42	0	0	0	0	0	0	50	47	52	72	66	71	√	--	--					
NL-1.33	41	15371 Del Gado Dr, Sherman Oaks, CA 91403	NB	965+30	965+33	808.0	2.0	800.0	15.0	141	-5.0	141	155	-5.0	155	56	42	0	0	0	0	0	0	55	52	57	72	66	71	√	--	--					
NL-1.34		The Highland at Sherman Oaks, 4355 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	972+51	972+54	786.6	2.0	734.0	35.0	128	19.6	129	142	19.6	143	45	34	0	0	0	0	0	0	54	51	56	72	66	71	√	--	--					
NL-1.35		4401 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	975+26	975+28	783.2	2.0	732.0	45.0	185	8.2	185	199	8.2	199	38	25	0	0	0	0	0	0	50	46	51	72	66	71	√	--	--					
NL-1.36	42	15350 Sutton St, Sherman Oaks, CA 91403	SB	973+55	973+58	785.0	2.0	736.0	15.0	155	36.0	159	141	36	145	43	32	-1.6	0	0	0	0	0	50	50	53	72	66	71	√	--	--					
NL-1.37		4466 Sherman Oaks Cir, Sherman Oaks, CA 91403	SB	980+00	980+04	778.1	2.0	728.0	5.0	203	47.1	208	189	47.1	195	19	16	-4.3	-2.2	0	0	0	0	39	40	42	72	66	71	√	--	--					
NL-1.38		The Magnolia at Sherman Oaks, 15357 Magnolia Blvd, Sherman Oaks, CA 91403	NB	1031+61	1031+39	715.3	2.0	680.0	35.0	274	2.3	274	288	2.3	288	56	56	0	0	-1.5	-1.5	0	0	49	49	52	65	61	66	√	--	--					
NL-1.39		Basketball Courts at 15365 Magnolia Blvd, Sherman Oaks	NB	1035+27	1035+07	717.9	2.0	682.5	5.0	72	32.4	79	86	32.4	92	56	56	0	0	0	0	0	0	59	58	61	67	63	67	√	--	--					
NL-1.40		Weddington Apartements, 15370 Weddington St, Sherman Oaks, CA 91411	NB	1036+77	1036+57	719.5	2.0	682.0	15.0	106	24.5	109	120	24.5	123	56	56	0	0	0	0	0	0	57	56	59	67	63	67	√	--	--					
NL-1.41	50	15353 Weddington St, Sherman Oaks, CA 91411	NB	1039+20	1039+03	720.0	2.0	682.0	25.0	92	15.0	93	106	15	107	56	56	0	0	0	0	0	0	58	57	60	67	63	67	√	--	--					
NL-1.42		La Fontana, 5345 Sepulveda Blvd suit 209, Sherman Oaks, CA 91411	NB	1044+77	1044+61	720.8	2.0	683.5	15.0	163	24.3	165	177	24.3	179	56	56	0	0	0	0	0	0	54	54	57	67	63	67	√	--	--					
NL-1.43		5401 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1046+17	1046+00	721.8	2.0	685.0	15.0	76	23.8	79	90	23.8	93	56	56	0	0	0	0	0	0	59	58	61	67	63	67	√	--	--					
NL-1.44		Alber's Apts, 15328 Albers St, Sherman Oaks, CA 91411	NB	1049+83	1049+63	727.8	2.0	685.0	15.0	16	29.8	34	30	29.8	42	56	56	0	0	0	0	0	0	64	63	67	70	65	69	--	√	--	3-ft-high soundwall	1047+80 to 1057+00 (NB) East of each track	55	51	57
NL-1.45		Best Western Plus Carriage Inn-South, 5525 Sepulveda Blvd, Sherman Oaks, CA	NB	1051+98	1051+76	731.5	2.0	687.0	25.0	59	21.5	63	73	21.5	76	56	56	0	0	0	0	0	0	60	59	63	67	63	67	--	√	--	3-ft-high soundwall	1047+80 to 1057+00 (NB) East of each track	54	52	56
NL-1.46		Best Western Plus Carriage Inn-North, 5525 Sepulveda Blvd, Sherman Oaks, CA	NB	1055+44	1055+21	740.3	2.0	688.0	15.0	107	39.3	114	121	39.3	128	56	55	0	0	0	0	0	0	56	56	59	67	63	67	√	--	--					
NL-1.47		6206 Blucher Ave, Van Nuys, CA 91411	NB	1100+86	1100+53	749.7	2.0	716.0	5.0	286	30.7	288	300	30.7	302	31	38	0	0	0	0	0	0	45	47	49	63	60	65	√	--	--					
NL-1.48		6217 Blucher Ave, Van Nuys, CA 91411	NB	1102+15	1101+83	747.9	2.0	718.0	5.0	146	26.9	149	160	26.9	162	32	42	0	0	0	0	0	0	50	52	54	63	60	65	√	--	--					
NL-1.49		6250 Blucher Ave, Van Nuys, CA 91411	NB	1105+71	1105+39	751.7	2.0	718.0	5.0	318	30.7	319	332	30.7	333	41	51	0	0	0	0	0	0	47	49	51	63	60	65	√	--	--					
NL-1.50		6301 Blucher Ave, Van Nuys, CA 91411	NB	1107+88	1107+56	754.6	2.0	721.0	5.0	137	30.6	141	151	30.6	154	44	56	0	0	0	0	0	0	53	55	57	63	60	65	√	--	--					
NL-1.51		6340 Blucher Ave, Van Nuys, CA 91411	NB	1112+16	1111+88	760.4	2.0	720.0	5.0	288	37.4	290	302	37.4	304	48	56	0	0	0	0	0	0	49	50	53	60	58	63	√	--	--					
NL-1.52		15541 Friar St, Van Nuys, CA 91411	NB	1113+08	1112+80	761.7	2.0	721.0	5.0	74	37.7	83	88	37.7	95	49	56	0	0	0	0	0	0	57	58	61	69	64	69	√	--	--					
NL-1.53		6456 Aqueduct Ave, Van Nuys, CA 91406	NB	1121+98	1121+73	768.8	2.0	726.0	5.0	105	39.8	113	119	39.8	126	55	50	0	0	0	0	0	0	56	55	59	69	64	69	√	--	--					
NL-1.54		6457 Blucher Ave, Van Nuys, CA 91406	NB	1121+97	1121+72	768.8	2.0	726.0	5.0	208	39.8	212	222	39.8	226	55	50	0	0	0	0	0	0	52	51	55	66	62	67	√	--	--					
NL-1.55	57	6546 Aqueduct Ave, Van Nuys, CA 91406	NB	1128+15	1127+90	763.7	2.0	730.0	5.0	98	30.7	102	112	30.7	116	50	50	0	0	0	0	0	0	56	55	59	69	64	69	√	--	--					
NL-1.56		6545 Blucher Ave, Van Nuys, CA 91406	NB	1128+15	1127+90	763.7	2.0	730.0	5.0	203	30.7	205	217	30.7	219	50	50	0	0	0	0	0	0	52	51	54	65	61	66	√	--	--					
NL-1.57		6654 Aqueduct Ave, Van Nuys, CA 91406	NB	1135+02	1134+77	765.5	2.0	735.0	5.0	72	27.5	77	86	27.5	90	50	56	0	0	0	0	0	0	58	58	61	69	64	69	√	--	--					
NL-1.58		6657 Blucher Ave, Van Nuys, CA 91406	NB	1135+42	1135+17	766.0	2.0	735.2	5.0	235	27.8	236	249	27.8	250	50	56	0	0	0	0	0	0	51	51	54	65	61	66	√	--	--					
NL-1.59		Granada Apts, 15630 Vanowen St, Van Nuys, CA 91406	NB	1140+53	1140+28	771.4	2.0	737.0	25.0	27	11.4	29	41	11.4	42	54	56	0	0	0	0	0	0	65	63	67	71	66	70	--	√	--	3-ft-high soundwall	1137+40 to 1142+00 (NB) East of each track	59	55	60
NL-1.60		Vanowen Apts, 15616 Vanowen St, Van Nuys, CA 91406	NB	1140+53	1140+28	771.4	2.0	737.5	25.0	173	10.9	173	187	10.9	187	54	56	0	0	0	0	0	0	53	53	56	69	64	69	√	--	--					
NL-1.61	60	6841 Firmament Ave, Van Nuys, CA 91406	NB	1146+99	1146+74	777.8	2.0	742.0	5.0	186	32.8	189	200	32.8	203	56	56	0	0	0	0	0	0	53	53	56	65	61	66	√	--	--					
NL-1.62		15623 Hart St, Van Nuys, CA 91406	NB	1156+33	1156+11	784.7	2.0	747.0	5.0	33	34.7	48	47	34.7	58	56	56	0	0	0	0	0	0	62	61	65	68	63	68	--	√	--	3-ft-high soundwall	1142+00 to 1160+30 (NB) East of each track	54	50	56
NL-1.63		15610 Lilli Wy, Van Nuys, CA 91406	NB	1160+57	1160+35	786.8	2.0	752.0	5.0	53	31.8	61	67	31.8	74	52	51	0	0	0	0	0	0	60	59	62	68	63	68	√	--	--					
NL-1.64		7135 Firmament Ave, Van Nuys, CA 91406	NB	1166+40	1166+17	807.5	2.0	752.0	15.0	62	42.5	75	97	42.5	106	42	31	0	0	0	0	0	0	57	52	58	68	63	68	√	--	--					
NL-1.65		Helen Towers, 15549 Sherman Way, Van Nuys, CA 91406	NB	1172+51	1172+28	815.4	2.0	757.0	35.0	228	25.4	229	267	25.4	269	6	28	0	0	0	0	0	0	33	45	45	67	63	67	√	--	--					
NL-1.66	64	15550 Wyandotte Ave, Van Nuys, CA 91406	NB	1173+85	1173+81	814.6	2.0	758.0	5.0	139	53.6	149	167	51.1	175	19	31	0	0	0	0	0	0	45	49	50	67	63	67	√	--	--					
NL-1.67		15556 Wyandotte Ave, Van Nuys, CA 91406	NB	1174+81	1174+54	812.4	2.0	758.0	5.0	66	51.4	83	81	51.4	96	19	31	0	0	0	0	0	0	49	52	54	67	63	67	√	--	--					
NL-1.68		15560 Leadwell St, Van Nuys, CA 91406	NB	1176+30	1175+98	807.9	2.0	758.8	5.0	73	46.1	87	87	46.1	99	19	33	0	0	0	0	0	0	49	53	54	67	63	67	√	--	--					
NL-1.69		7414 Firmament Ave, Van Nuys, CA 91406	NB	1184+15	1183+85	792.4	2.0	763.0	5.0	94	26.4	98	108	26.4	111	48	56	0	0	0	0	0	0	56	57	59	66	62	67	√	--	--					
NL-1.70	65	15559 Covello St, Van Nuys, CA 91406	NB	1192+27	1191+97	799.2	2.0	769.0	5.0	58	27.2	64	72	27.2	77	55	56	0	0	0	0	0	0	60	59	63	67	63	67	--	√	--	3-ft-high soundwall	1189+00 to 1195+00 (NB) East of each track	54	51	55
NL-1.71		15242 Marson St, Van Nuys, CA 91402	SB	1243+56	1243+59	840.0	2.0	793.1	5.0	407	43.9	409	386	43.9	389	53	51	0	0	0	0	0	0	48	48	51	61	59	64	√	--	--					
NL-1.72	66	15018 Marson St, Panorama City, CA 91406	SB	1258+09	1258+12	829.0	2.0	793.0	5.0	366	33.0	368	352	33.025	354	45	33	0	0	0	0	0	0	47	45	49	61	59	64	√	--	--					

Sepulveda Transit Corridor
LASRE Alternative 1
Airborne Noise Impact Assessment and Mitigation
Category 2 Sites (L_{dn})

Reference Source Data

Reference Distance (ft)	49.2
Reference Speed (mph)	56.3
Single Car SEL (dBA)	73.7
Multiple Car Consist	6
Multiple Car SEL (dBA)	81.5

24-hour Operations Assumptions

Daytime	**Period**	**Headway (min)**	**Hours**	**Number of Trains (each direction)**
7:00 AM - 10:00 AM	Peak AM	2	3	90
10:00 AM - 3:00 PM	Mid-day	5	5	60
3:00 PM - 7:00 PM	Peak PM	2	4	120
7:00 PM - 10:00 PM	Evening	5	3	36
	Totals:		15	306
Nighttime				
4:00 AM - 6:00 AM	Early	10	2	12
6:00 AM - 7:00 AM	Peak AM	2	1	30
10:00 PM - 2:00 AM	Late	10	4	24
	Totals:		7	66

Sepulveda Transit Corridor
LASRE Alternative 1
Airborne Noise Impact Assessment and Mitigation
Category 1 and 3 Sites (Hourly L_{eq})

Receptor ID	Noise Measurement Location	Address/Location Description	Near Track Direction	NB Track Station	SB Track Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground (ft)	Receiver Distance to NB Source (ft)			Receiver Distance to SB Source (ft)			Train Speeds		Source-Receiver Path Adjustments: Existing Soundwall Noise Reduction (dBA)		Existing Buildings Shielding Adjustment (dBA)		Crossover Noise Adjustment		Calculated L_{eq} (dBA)			Existing L_{eq} (dBA)	Level of Noise Impact				
										Horiz	Vertical	Total	Horiz	Vertical	Total	NB Speed (mph)	SB Speed (mph)	NB	SB	NB	SB	NB	SB	NB Track L_{eq}	SB Track L_{eq}	Total L_{eq}		Impact L_{eq} (dBA) From	Impact L_{eq} (dBA) To	No Impact	Moderate Impact	Severe Impact
NS-1.1		KT Rehearsal Studios, 1956 Cotner Ave, Los Angeles	NB	532+69	532+67	245.8	2.0	215.9	5.0	75	26.9	80	89	26.9	93	52	55	0	0	0	0	0	0	57	56	60	70	65	69	√	--	--
NS-1.2		Bessie Pregerson Child Development Center, 1341 S Sepulveda Blvd, Los Angeles	NB	580+80	580+66	362.5	2.0	293.0	5.0	251	66.5	260	265	66.5	273	34	34	-15.0	-15.0	0	0	0	0	31	30	33	60	63	68	√	--	--
NS-1.3	11	Los Angeles National Cemetery - Columbarium	SB	613+63	613+51	408.8	2.0	361.0	5.0	140	44.8	147	154	44.8	160	44	56	-11.5	-10.1	0	0	0	0	40	43	45	60	63	68	√	--	--
NS-1.4	12	Los Angeles National Cemetery - #3	NB	620+52	620+39	409.1	2.0	371.2	5.0	238	34.9	241	252	34.9	255	52	56	0	0	0	0	0	0	50	50	53	72	71	76	√	--	--
NS-1.5	13	Los Angeles National Cemetery - #4	NB	632+01	631+88	429.0	2.0	393.5	5.0	251	32.5	253	265	32.5	267	56	56	0	0	0	0	0	0	50	50	53	67	68	72	√	--	--
NS-1.6	14	Los Angeles National Cemetery - #5	NB	634+66	634+53	435.2	2.0	400.0	5.0	202	32.2	205	216	32.2	219	56	56	0	0	0	0	0	0	51	51	54	69	69	74	√	--	--
NS-1.7	17	Village Church, 343 S. Church Ln, Los Angeles	SB	646+10	645+97	480.5	2.0	430.0	5.0	146	47.5	154	132	47.5	140	55	56	0	0	0	0	0	0	53	54	56	64	66	70	√	--	--
NS-1.8	22	Getty South Building	SB	682+71	682+59	564.7	2.0	544.0	5.0	181	17.7	182	167	17.7	168	55	56	0	0	0	0	0	0	52	53	55	73	71	76	√	--	--
NS-1.9	25	Leonard I. Beeman Early Childhood Center, Los Angeles, CA 90049	NB	725+12	725+06	688.1	2.0	636.0	5.0	227	49.1	232	241	49.1	246	56	51	-3.5	-5.2	0	0	0	0	47	44	49	65	66	71	√	--	--
NS-1.10	27	Leo Baeck Temple	NB	730+09	730+03	707.2	2.0	660.0	5.0	252	44.2	256	266	44.2	270	45	35	0	0	0	0	0	0	48	45	50	67	68	72	√	--	--
NS-1.11		The Getty, Fran and Ray Stark Sculpture Garden	SB	729+11	729+05	702.1	2.0	663.0	5.0	221	36.1	224	207	36.1	210	54	40	0	0	0	0	0	0	50	48	53	59	63	68	√	--	--
NS-1.12	28	The Getty Tram Station	SB	731+99	731+94	717.7	2.0	674.0	5.0	194	40.7	198	180	40.7	184	39	22	0	0	0	0	0	0	48	44	50	59	63	68	√	--	--
NS-1.13	29	The Getty , Future Oak Parking Lot	SB	745+74	745+77	753.9	2.0	712.0	5.0	145	38.9	151	131	38.9	137	19	19	0	0	0	0	0	0	44	44	47	67	68	72	√	--	--
NS-1.14	33	Skirball Cultural Center, Ziegler Amphitheater	SB	869+86	869+93	1130.1	2.0	1112.0	5.0	301	15.1	301	287	15.1	287	48	52	0	0	0	0	0	0	48	48	51	61	59	64	√	--	--
NS-1.15	35	Milken Community School - First Floor	SB	877+92	878+02	1144.4	2.0	1172.0	5.0	215	-30.6	217	201	-30.6	203	53	56	0	0	0	0	0	0	51	51	54	71	71	75	√	--	--
NS-1.16	36	Milken Community School - Second Floor	SB	877+23	877+33	1143.2	2.0	1182.0	5.0	280	-41.8	283	266	-41.8	269	53	56	0	0	0	0	0	0	49	50	52	71	71	75	√	--	--
NS-1.17	46	Ivy Bound Academy	NB	1017+92	1017+69	734.9	2.0	682.0	5.0	113	49.9	124	127	49.9	137	50	51	0	0	0	0	0	0	54	53	56	68	68	73	√	--	--
NS-1.18		Emek Hebrew Academy, 15365 Magnolia Blvd, Sherman Oaks, CA 91403	NB	1031+61	1031+39	715.3	2.0	680.0	35.0	151	2.3	151	165	2.3	165	56	56	0	0	0	0	0	0	53	53	56	59	63	68	√	--	--
NS-1.19	68	La Iglesia de Jesucristo de los Santos de los Últimos Días, Van Nuys	NB	1204+10	1203+80	822.0	2.0	775.0	5.0	81	44.0	92	95	44.0	105	56	56	0	0	0	0	0	0	56	56	59	63	65	70	√	--	--

Reference Source Data

Reference Distance (ft)	49.2
Reference Speed (mph)	56.3
Single Car SEL (dBA)	73.7
Multiple Car Consist	6
Multiple Car SEL (dBA)	81.5

Peak-hour Number of Trains (each direction): 30

Attachment 4. Alternative 1: Off-Road Construction Equipment Noise Levels

Sepulveda Transit Corridor
Alternative 1
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
MRT Segment 1-Van Nuys Metrolink to Getty Center-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Substructure Foundations (CIDH)	Oscillating Drill Rig	7	84	20%	85	96
	Crawler Crane	7	83	20%	84	
	Hydraulic Crane	7	88	20%	89	
	Telescoping Fork	14	75	20%	79	
	Wheel Loader	7	80	40%	84	
	Med. Excavator	7	82	40%	86	
	Concrete Pump	7	77	40%	81	
	Generator	14	82	50%	90	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
MRT Segment 2-Getty Center to North of 405-Wilshire Interchange-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 2-Getty Center to North of 405-Wilshire Interchange-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 2-Getty Center to North of 405-Wilshire Interchange-Substructure Foundations (CIDH)	Oscillating Drill Rig	3	84	20%	82	92
	Crawler Crane	3	83	20%	81	
	Hydraulic Crane	3	88	20%	86	
	Telescoping Fork	6	75	20%	76	
	Wheel Loader	3	80	40%	81	
	Med. Excavator	3	82	40%	83	
	Concrete Pump	3	77	40%	78	
	Generator	6	82	50%	87	
MRT Segment 2-Getty Center to North of 405-Wilshire Interchange-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 2-Getty Center to North of 405-Wilshire Interchange-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
MRT Segment 3-405-Wilshire Interchange Stretch-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 3-405-Wilshire Interchange Stretch-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 3-405-Wilshire Interchange Stretch-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 3-405-Wilshire Interchange Stretch-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 3-405-Wilshire Interchange Stretch-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Substructure Foundations (CIDH)	Oscillating Drill Rig	2	84	20%	80	90
	Crawler Crane	2	83	20%	79	
	Hydraulic Crane	2	88	20%	84	
	Telescoping Fork	4	75	20%	74	
	Wheel Loader	2	80	40%	79	
	Med. Excavator	2	82	40%	81	
	Concrete Pump	2	77	40%	76	
	Generator	4	82	50%	85	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	

Sepulveda Transit Corridor
Alternative 1
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Van Nuys MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Van Nuys MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Van Nuys MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Van Nuys MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Van Nuys MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Sherman Way MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Way MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Way MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Sherman Way MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Sherman Way MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	

Metro G Line MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Metro G Line MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Metro G Line MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Metro G Line MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Metro G Line MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Sherman Oaks-Vta Blvd MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Oaks-Vta Blvd MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Oaks-Vta Blvd MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Sherman Oaks-Vta Blvd MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Sherman Oaks-Vta Blvd MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	

Sepulveda Transit Corridor
Alternative 1
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Getty Center MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Getty Center MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Getty Center MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Getty Center MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Getty Center MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Wilshire Blvd-Metro D Line-VA Hospital MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Wilshire Blvd-Metro D Line-VA Hospital MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Wilshire Blvd-Metro D Line-VA Hospital MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Wilshire Blvd-Metro D Line-VA Hospital MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Wilshire Blvd-Metro D Line-VA Hospital MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	

Santa Monica Blvd MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Santa Monica Blvd MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Santa Monica Blvd MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Santa Monica Blvd MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Santa Monica Blvd MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Exposition Blvd MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Exposition Blvd MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Exposition Blvd MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Exposition Blvd MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Exposition Blvd MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	

Sepulveda Transit Corridor
Alternative 1
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

TPSS 2-Wilshire Blvd-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 2-Wilshire Blvd-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 2-Wilshire Blvd-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 2-Wilshire Blvd-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 2-Wilshire Blvd-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 2-Wilshire Blvd-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
TPSS 3-Sunset Onramp-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 3-Sunset Onramp-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 3-Sunset Onramp-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 3-Sunset Onramp-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 3-Sunset Onramp-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 3-Sunset Onramp-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	

TPSS 4-405-Near Getty Center on East side of 405-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 4-405-Near Getty Center on East side of 405-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 4-405-Near Getty Center on East side of 405-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 4-405-Near Getty Center on East side of 405-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 4-405-Near Getty Center on East side of 405-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 4-405-Near Getty Center on East side of 405-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
TPSS 6-Skirball-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 6-Skirball-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 6-Skirball-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 6-Skirball-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 6-Skirball-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 6-Skirball-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	

Sepulveda Transit Corridor
Alternative 1
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

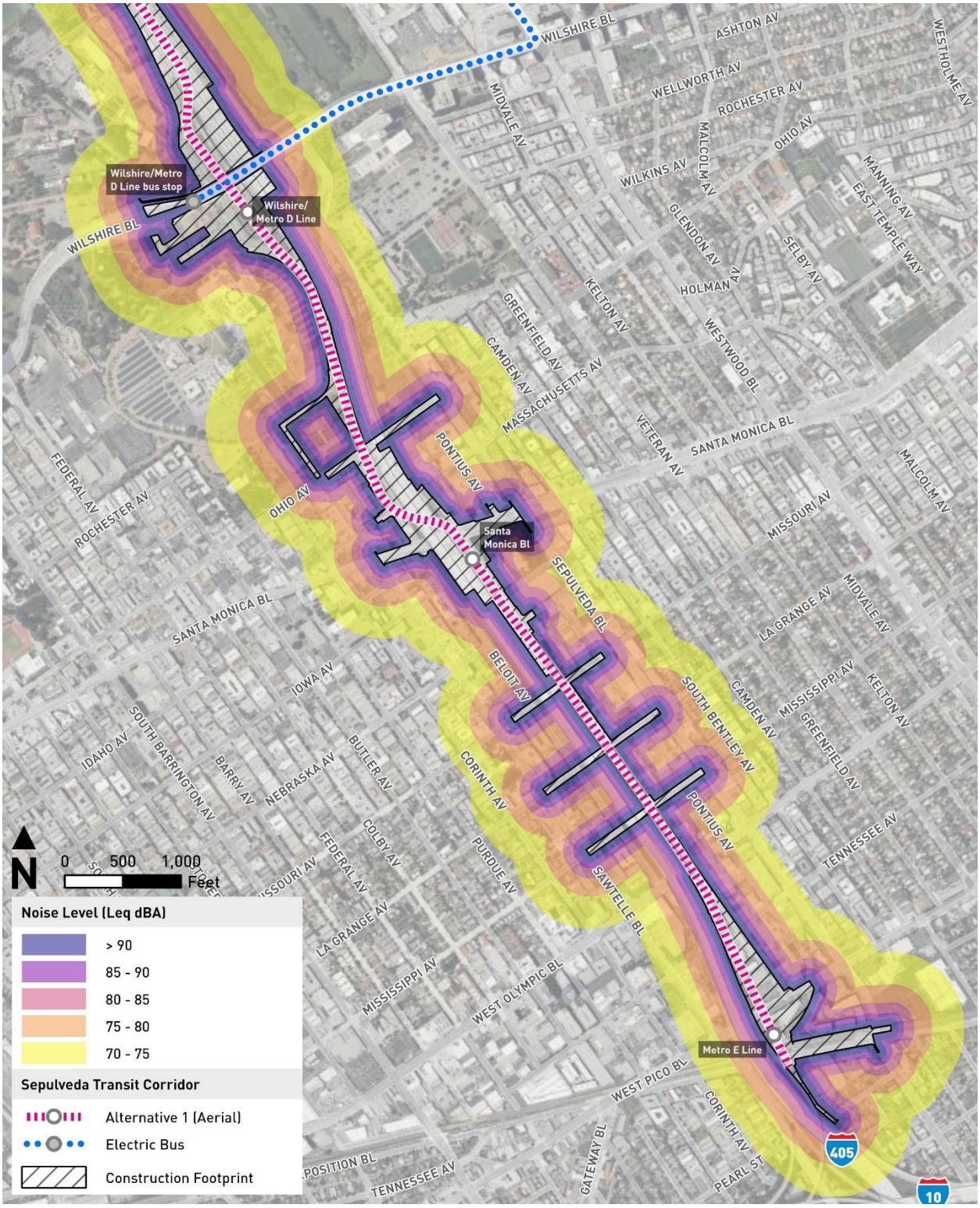
TPSS 11-Raymer-Van Nuys-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 11-Raymer-Van Nuys-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 11-Raymer-Van Nuys-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 11-Raymer-Van Nuys-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 11-Raymer-Van Nuys-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	82	20%	75	
	Telescoping Fork	1	75	20%	68	
TPSS 11-Raymer-Van Nuys-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
OMSF-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
OMSF-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
OMSF-Grading/Excavation	Large Excavator	1	85	40%	81	89
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	623 Scraper	2	85	40%	84	
	Compactor	2	82	20%	78	
OMSF-Concrete Work	RTG Crane	1	83	20%	76	86
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Concrete Pump	1	77	40%	73	
	Manlift	2	85	20%	81	
OMSF-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	

OMSF-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
e-Bus OMSF-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
e-Bus OMSF-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
e-Bus OMSF-Grading/Excavation	Large Excavator	1	85	40%	81	89
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	623 Scraper	2	85	40%	84	
	Compactor	2	82	20%	78	
e-Bus OMSF-Building Work	RTG Crane	1	83	20%	76	86
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Concrete Pump	1	77	40%	73	
	Manlift	2	85	20%	81	
e-Bus OMSF-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
e-Bus OMSF-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
Haynes St Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	
Missouri Ave Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	

Sepulveda Transit Corridor
Alternative 1
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

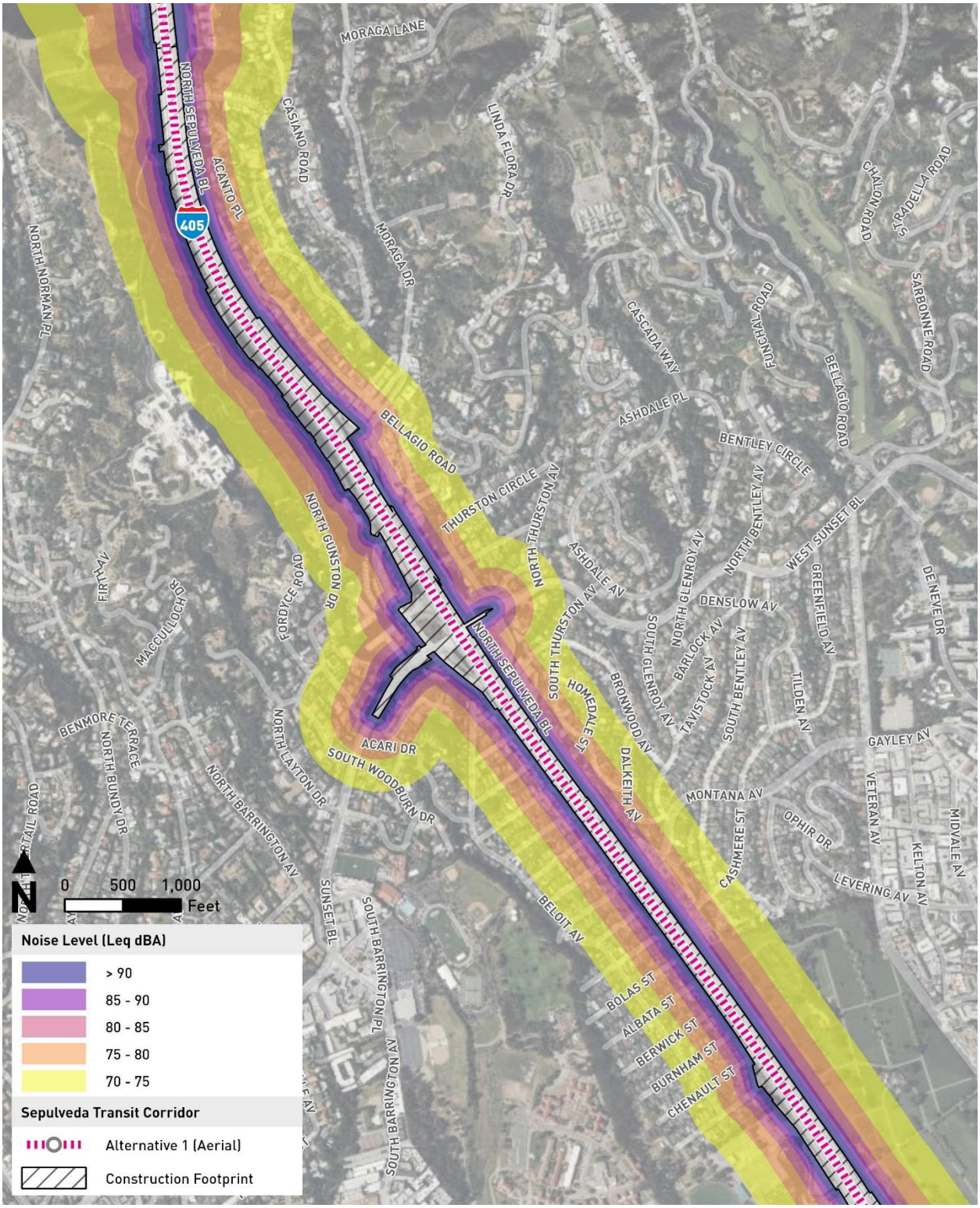
La Grange Ave Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	
Mississippi Ave Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	
I-405 Improvements-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
I-405 Improvements-Demolition/Site Preparation	Large Excavator	4	85	40%	87	91
	Wheel Loader	4	80	40%	82	
	Dozer	4	85	40%	87	
	Compactor	4	82	20%	81	
I-405 Improvements-Grading/Excavation	Large Excavator	4	85	40%	87	94
	Motor Grader	4	75	40%	77	
	Wheel Loader	4	80	40%	82	
	Dozer-1ea	8	85	40%	90	
	623 Scraper	4	85	40%	87	
	Compactor	4	82	20%	81	
I-405 Improvements-Concrete Work	Compactor	4	82	20%	81	87
	Telescoping Fork	4	75	20%	74	
	Slip Form Paver	2	85	50%	85	
Precast Yard-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Precast Yard-Grading/Excavation	Large Excavator	1	85	40%	81	89
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	623 Scraper	2	85	40%	84	
	Compactor	2	82	20%	78	
Precast Yard-Concrete Work	Gantry Crane	1	88	20%	81	89
	RTG Crane	4	83	20%	82	
	Hydraulic Crane	2	88	20%	84	
	Telescoping Fork	4	75	20%	74	
	Wheel Loader	2	80	40%	79	
	Concrete Pump	2	77	40%	76	
	Manlift	2	85	20%	81	
Precast Yard-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Precast Yard-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
Precast Yard-Guideway Fabrication	Cranes	4	85	20%	84	86
	Rough Terrain Forklifts	2	80	20%	76	
	Concrete Pumps	4	77	40%	79	

Figure D-1. Alternative 1: Construction Equipment Noise Contours – View 1



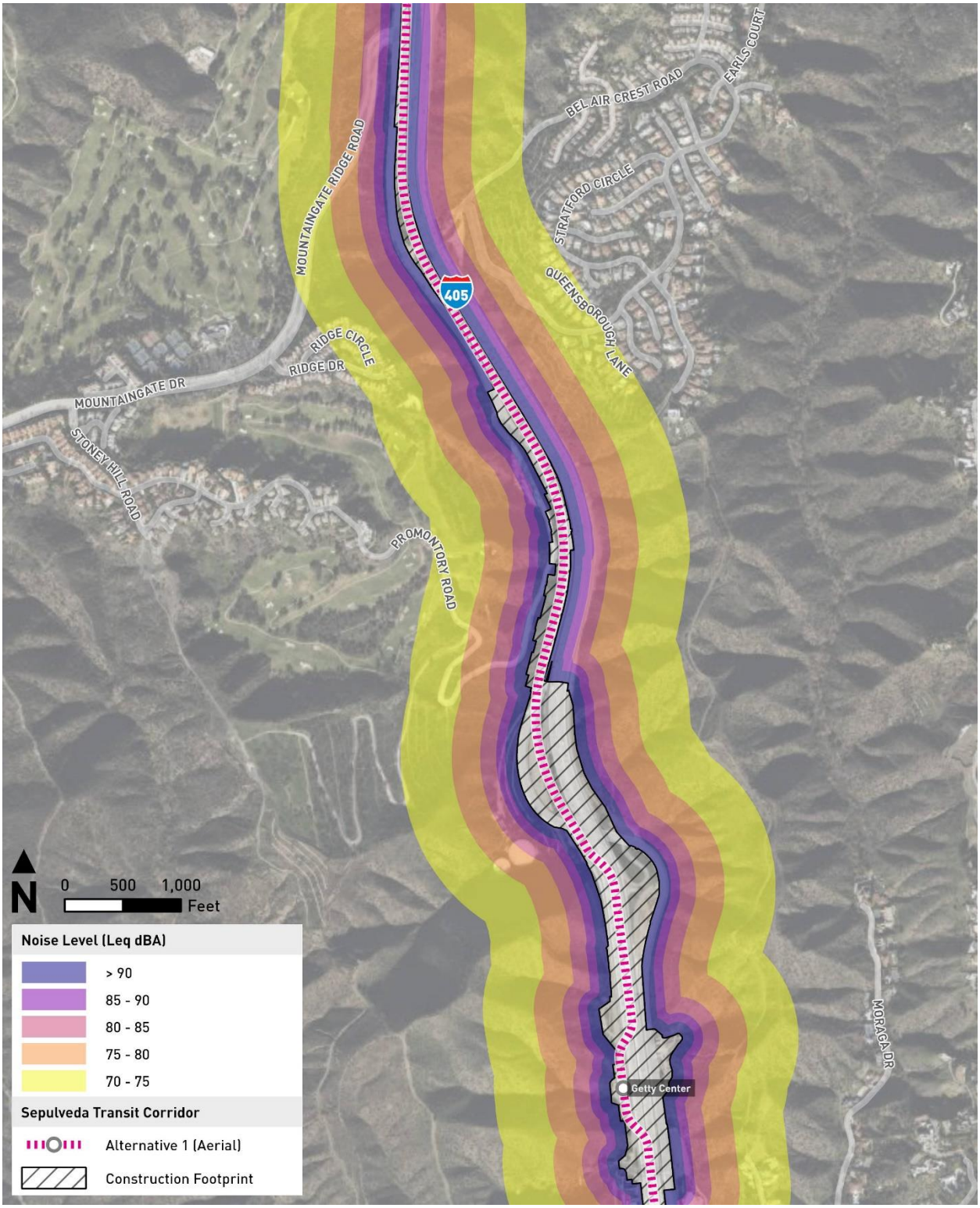
Source: HTA, 2024

Figure D-2. Alternative 1: Construction Equipment Noise Contours – View 2



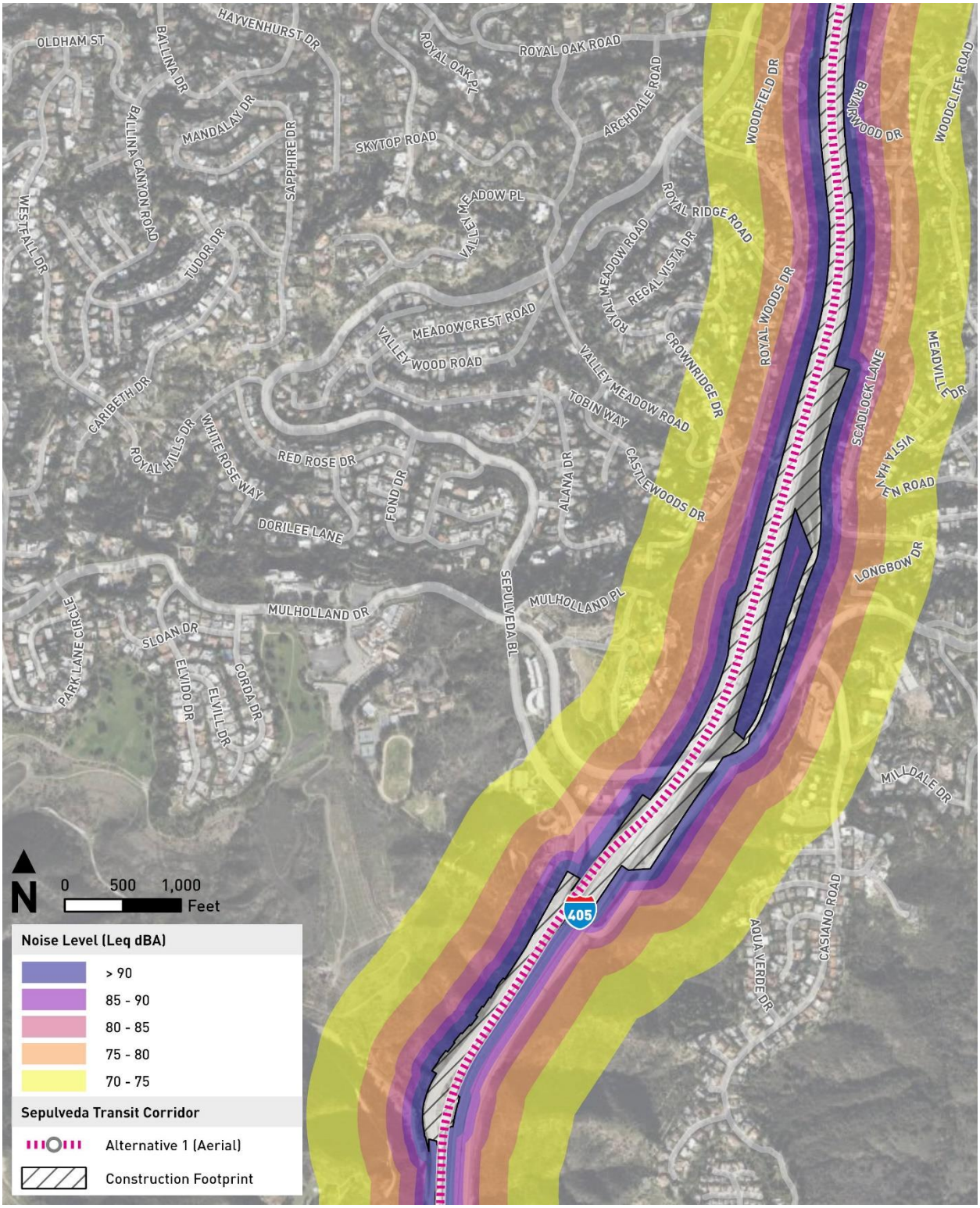
Source: HTA, 2024

Figure D-3. Alternative 1: Construction Equipment Noise Contours – View 3



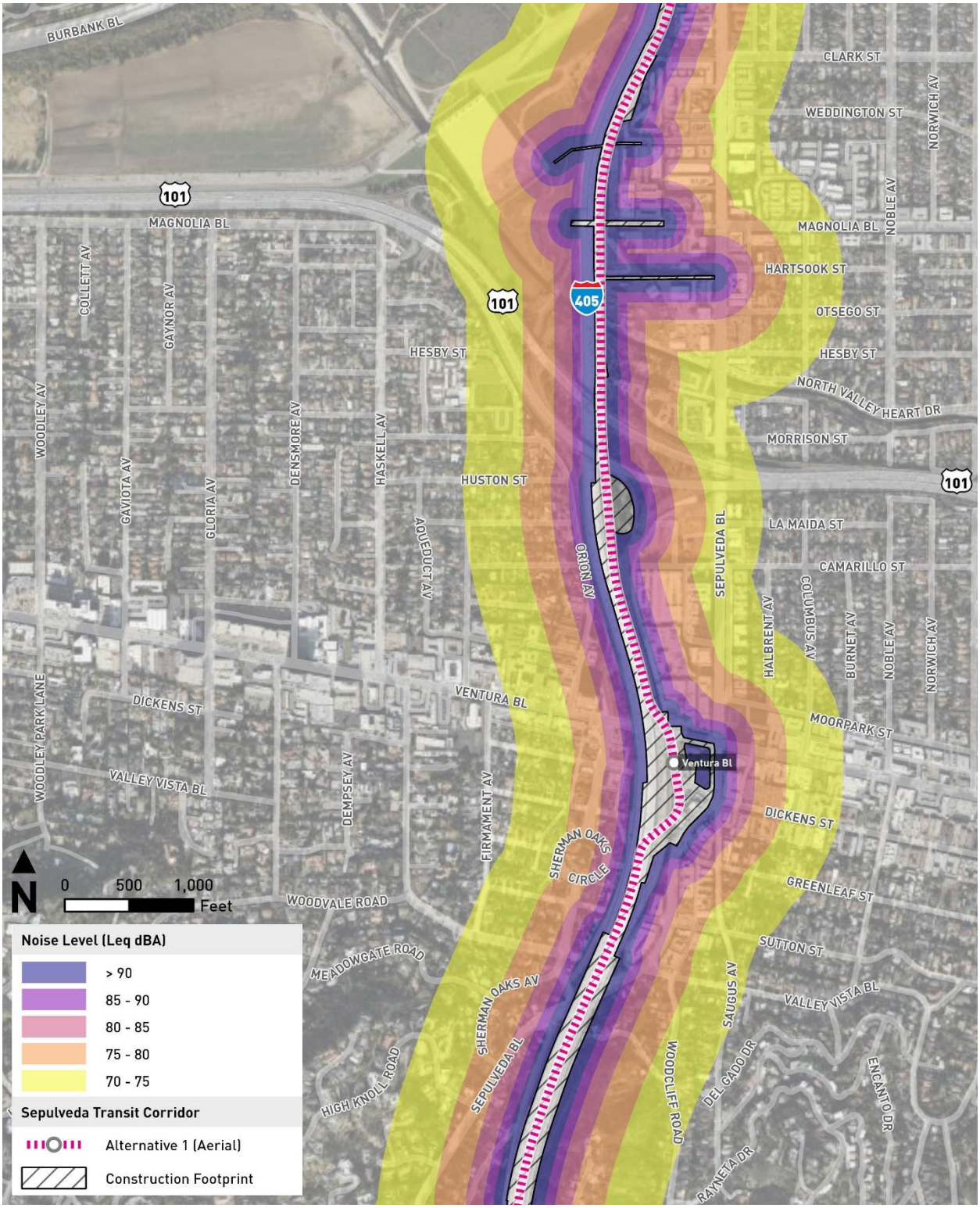
Source: HTA, 2024

Figure D-4. Alternative 1: Construction Equipment Noise Contours – View 4



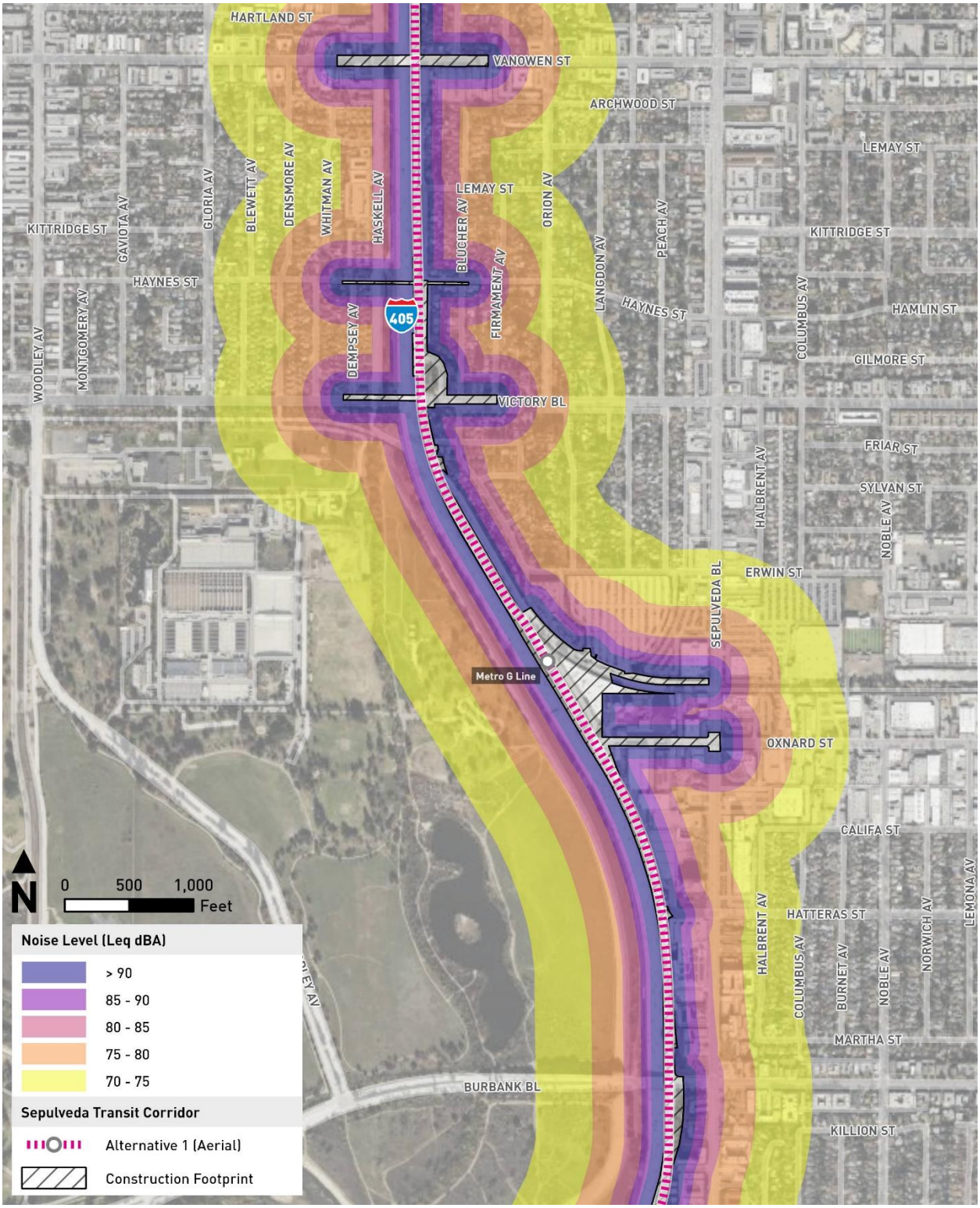
Source: HTA, 2024

Figure D-5. Alternative 1: Construction Equipment Noise Contours – View 5



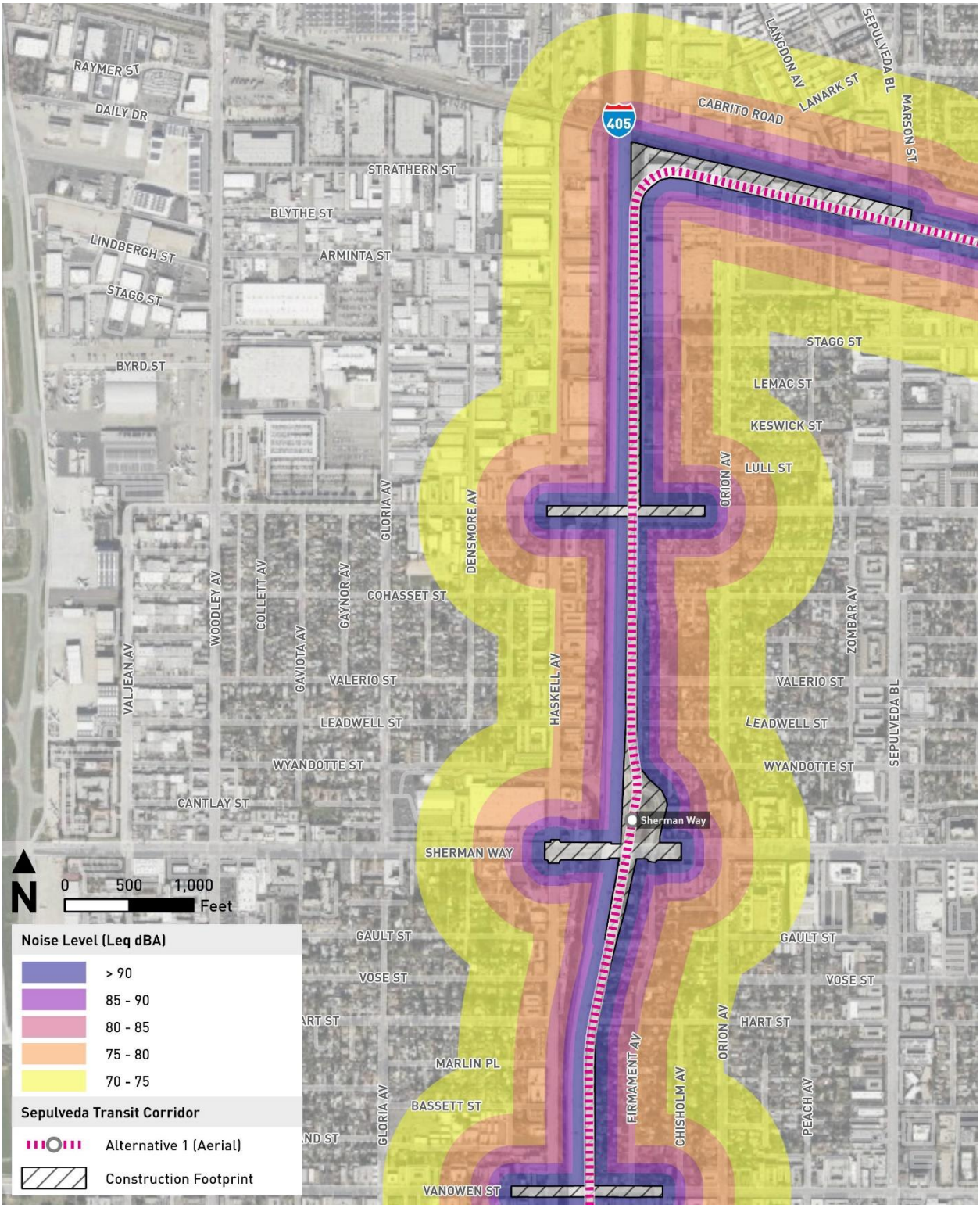
Source: HTA, 2024

Figure D-6. Alternative 1: Construction Equipment Noise Contours – View 6



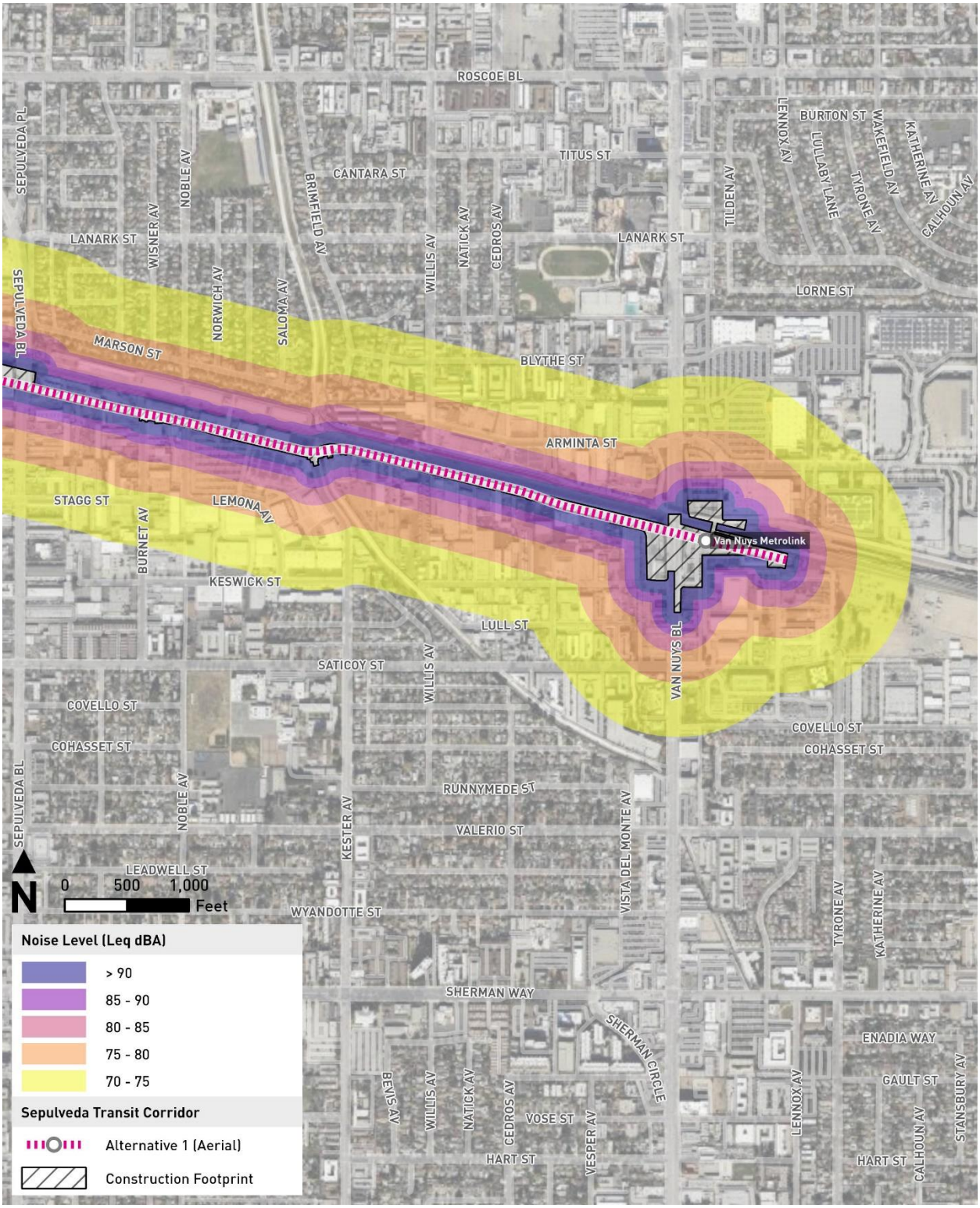
Source: HTA, 2024

Figure D-7. Alternative 1: Construction Equipment Noise Contours – View 7



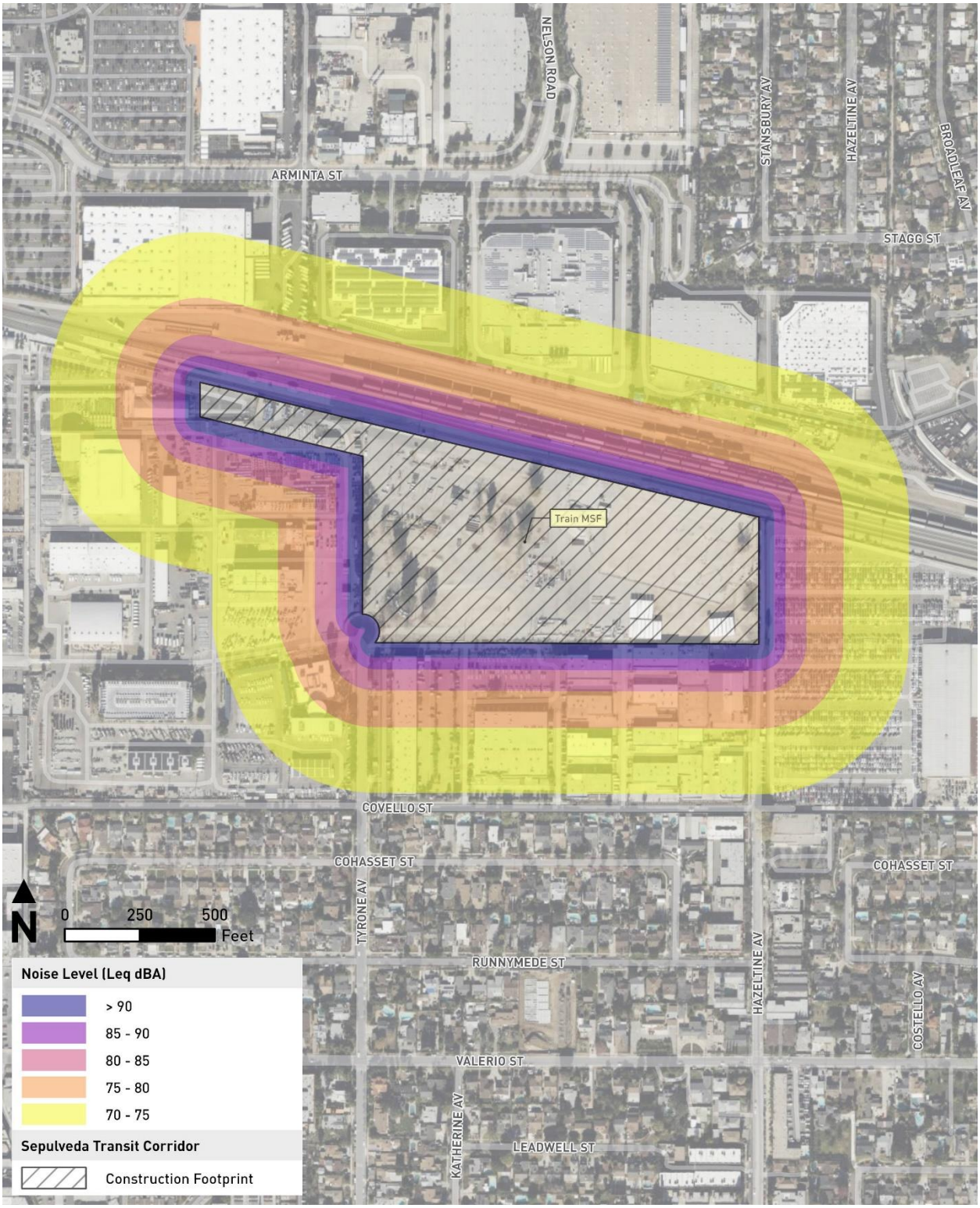
Source: HTA, 2024

Figure D-8. Alternative 1: Construction Equipment Noise Contours – View 8



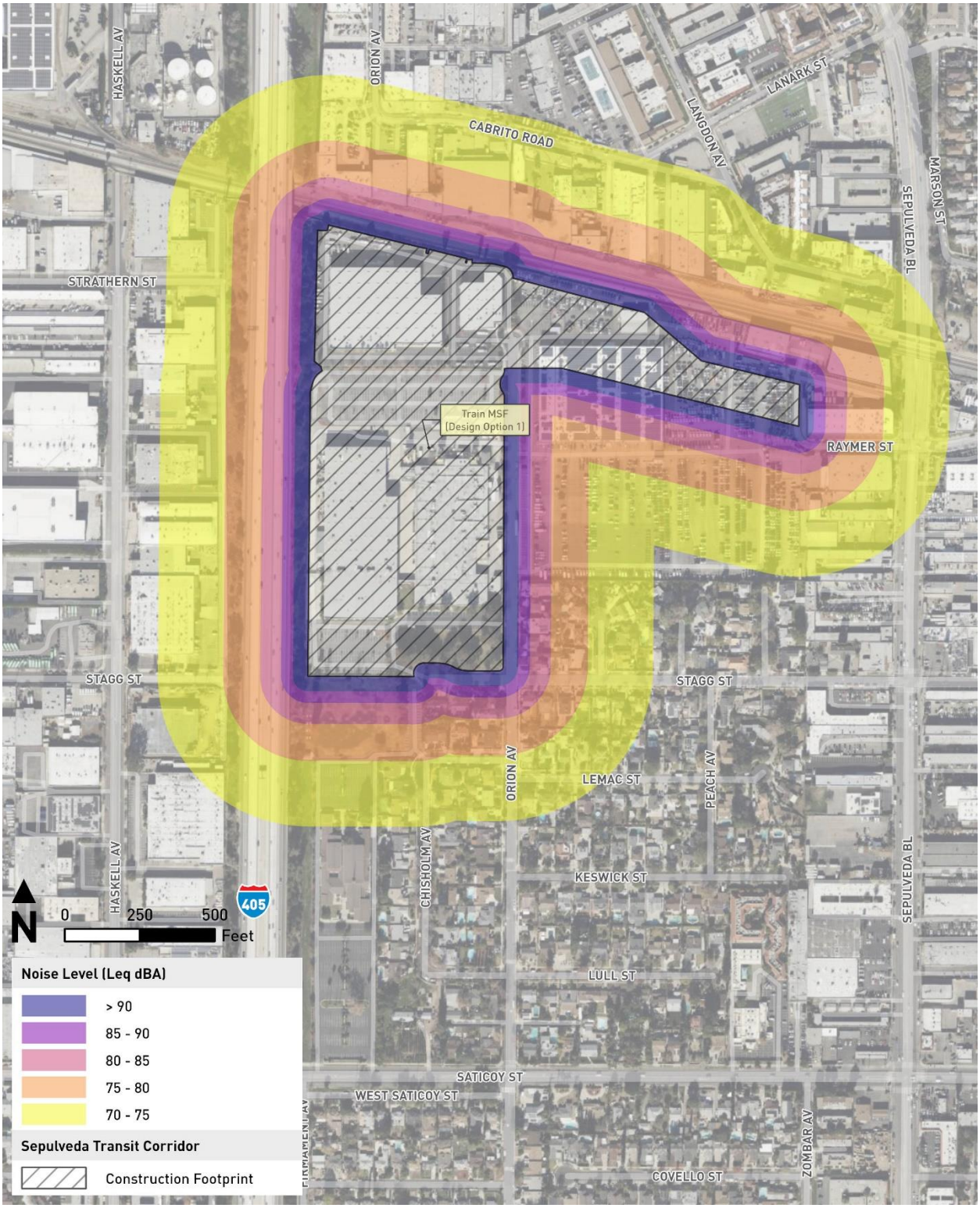
Source: HTA, 2024

Figure D-9. Alternative 1: Construction Equipment Noise Contours – Proposed MSF Base Design



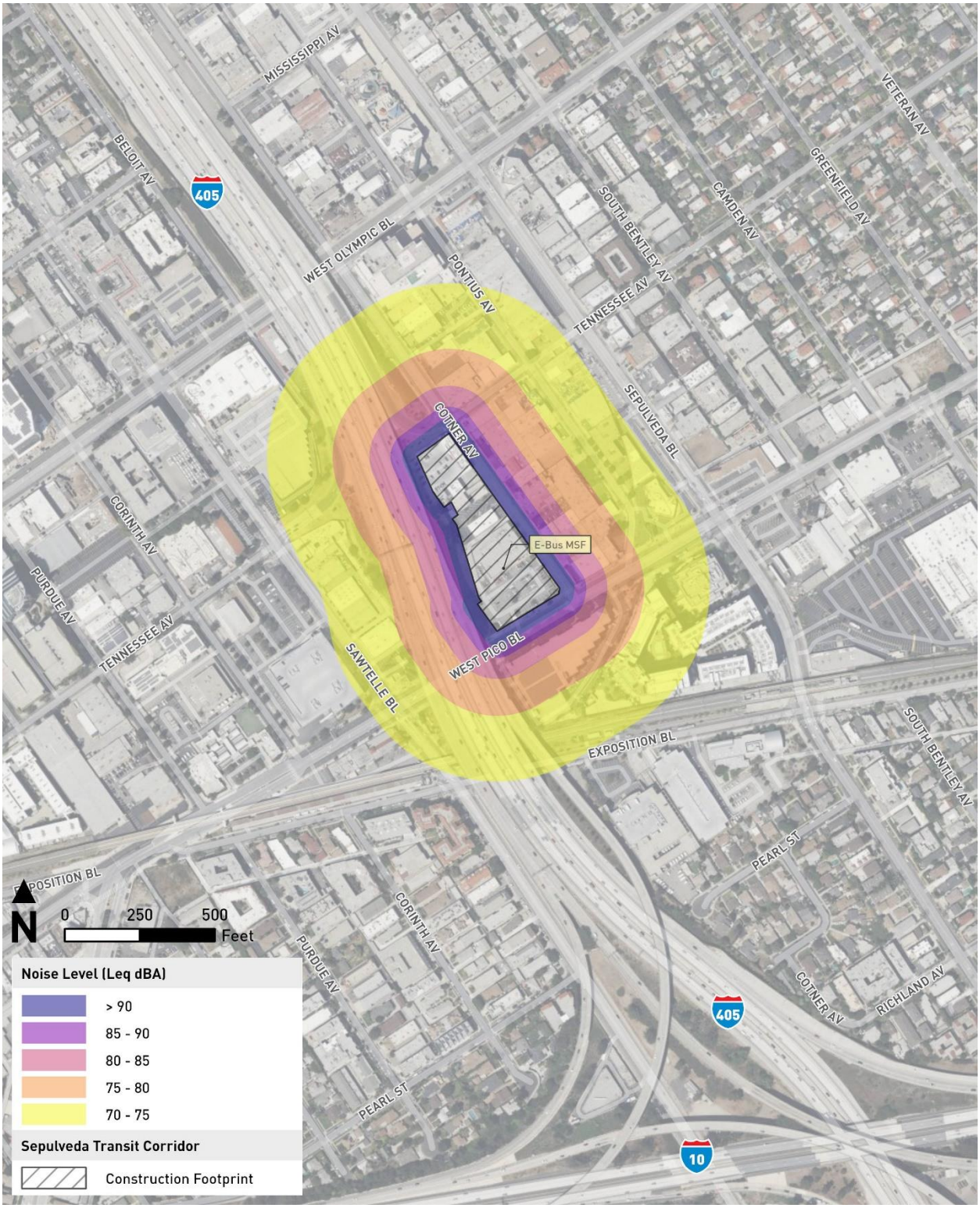
Source: HTA, 2024

Figure D-10. Alternative 1: Construction Equipment Noise Contours – Proposed MSF Design Option 1



Source: HTA, 2024

Figure D-11. Alternative 1: Construction Equipment Noise Contours – Proposed Electric Bus MSF



Source: HTA, 2024

Attachment 5. Alternative 1: Groundborne Vibration and Noise Assessment

Sepulveda Transit Corridor
Alternative 1
Groundborne Vibration and Noise Assessment

Location ID	Direction (NB/SB) (RT/LT)	Civil Station	Address	Land Use Type	Category	Distance (ft)	Unadjusted Vibration Level (VdB)	Vehicle Speed (mph)	Vibration Level (VdB) Adjusted for Speed	GBV Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
V-1-1	NB	502+28	2435 S Sepulveda Blvd, Los Angeles, CA 90064	MFR	2	259.0	32	10	22	72	No	2	35	No
	SB	502+28				298.8	31	10	22		No	2		No
V-1-2	NB	532+69	KT Rehearsal Studios, 1956 Cotner Ave, Los Angeles	Music Studio	1	75.0	37	52	42	65	No	22	25	No
	SB	532+67				89.0	37	55	42		No	22		No
V-1-3	NB	557+54	Holiday Inn Express - West LA, 11250 Santa Monica Blvd, Los Angeles, CA 90025	MFR	2	302.0	31	19	27	72	No	7	35	No
	SB	557+27				288.0	31	25	30		No	10		No
V-1-4	NB	561+22	1521-1539 Beloit Ave, Los Angeles, CA 90025	MFR	2	47.7	39	28	39	72	No	19	35	No
	SB	561+05				33.7	41	31	41		No	21		No
V-1-5	NB	569+16	Greater LA Fisher House	MFR	2	47.7	39	39	42	72	No	22	35	No
	SB	569+05				33.7	41	46	44		No	24		No
V-1-6	NB	586+33	West LA VA Medical Center	Hospital	2	326.0	31	34	32	72	No	12	35	No
	SB	586+16				307.0	31	20	28		No	8		No
V-1-7	NB	629+23	11326 Berwick St, Los Angeles, CA 90049	SFR	2	140.4	35	56	40	72	No	20	35	No
	SB	629+10				126.4	35	56	40		No	20		No
V-1-8	NB	629+23	11330 Denair St, Los Angeles, CA 90049	SFR	2	173.3	34	56	39	72	No	19	35	No
	SB	629+10				159.3	34	56	39		No	19		No
V-1-9	NB	655+27	237 S Church Ln, Los Angeles, CA 90049	SFR	2	135.7	35	56	40	72	No	20	35	No
	SB	655+14				121.7	35	56	41		No	21		No
V-1-10	NB	674+48	Hotel Angeleno	Hotel	2	169.3	34	56	39	72	No	19	35	No
	SB	674+36	170 N Church Ln, Los Angeles, CA 90049			155.3	34	56	40		No	20		No
V-1-11	NB	682+71	Getty South Building	Museum	3	181.0	33	55	39	72	No	19	35	No
	SB	682+59				167.0	34	56	39		No	19		No
V-1-12	NB	729+11	The Getty, Fran and Ray Stark Sculpture Garden	Museum	3	220.8	33	54	38	72	No	18	35	No
	SB	729+05				206.8	33	40	35		No	15		No
V-1-13	NB	869+86	Skirball Cultural Center, Ziegler Amphitheater	Amphitheater	3	301.0	31	48	35	75	No	15	40	No
	SB	869+93				287.0	31	52	36		No	16		No
V-1-14	NB	877+92	Milken Community School - First Floor	School	3	215.0	33	53	38	75	No	18	40	No
	SB	878+02				201.0	33	56	38		No	18		No
V-1-15	NB	917+02	3550 Royal Woods Dr, Sherman Oaks, CA 91403	SFR	2	305.7	31	56	37	72	No	17	35	No
	SB	917+04				291.7	31	41	34		No	14		No
V-1-16	NB	921+19	3553 Scadlock Ln, Sherman Oaks, CA 91403	SFR	2	366.0	30	56	36	72	No	16	35	No
	SB	921+21				380.0	30	41	33		No	13		No
V-1-17	NB	924+49	15508 Royal Ridge Rd, Sherman Oaks, CA 91403	SFR	2	325.0	31	56	36	72	No	16	35	No
	SB	924+50				311.0	31	41	34		No	14		No
V-1-18	NB	941+53	15460 Briarwood Dr, Sherman Oaks, CA 91403	SFR	2	171.0	34	56	39	72	No	19	35	No
	SB	941+50				185.0	33	41	36		No	16		No
V-1-19	NB	943+84	15515 Woodcrest Dr, Sherman Oaks, CA 91403	SFR	2	193.0	33	56	39	72	No	19	35	No
	SB	943+82				179.0	34	41	36		No	16		No
V-1-20	NB	949+25	15528 Briarwood Dr, Sherman Oaks, CA 91403	SFR	2	290.0	31	56	37	72	No	17	35	No
	SB	949+24				304.0	31	42	34		No	14		No
V-1-21	NB	965+30	15371 Del Gado Dr, Sherman Oaks, CA 91403	SFR	2	141.0	35	56	40	72	No	20	35	No
	SB	965+33				155.0	34	42	37		No	17		No
V-1-22	NB	972+51	The Highland at Sherman Oaks	MFR	2	128.0	35	45	39	72	No	19	35	No
	SB	972+54	4355 Sepulveda Blvd, Sherman Oaks, CA 91403			142.0	35	34	36		No	16		No
V-1-23	NB	975+26	4401 Sepulveda Blvd, Sherman Oaks, CA 91403	MFR	2	185.0	33	38	35	72	No	15	35	No
	SB	975+28				199.0	33	25	31		No	11		No
V-1-24	NB	973+55	15350 Sutton St, Sherman Oaks, CA 91403	MFR	2	155.0	34	43	37	72	No	17	35	No
	SB	973+58				141.0	35	32	35		No	15		No
V-1-25	NB	980+00	4466 Sherman Oaks Cir, Sherman Oaks, CA 91403	SFR	2	203.0	33	19	29	72	No	9	35	No
	SB	980+04				189.0	33	16	28		No	8		No
V-1-26	NB	1017+92	Ivy Bound Academy	School	3	113.0	36	50	40	75	No	20	40	No
	SB	1017+69				127.0	35	51	40		No	20		No
V-1-27	NB	1031+61	Emek Hebrew Academy	School	3	151.0	34	56	40	75	No	20	40	No
	SB	1031+39	15365 Magnolia Blvd, Sherman Oaks, CA 91403			165.0	34	56	39		No	19		No
V-1-28	NB	1036+77	Weddington Apartements	MFR	2	106.0	36	56	41	72	No	21	35	No
	SB	1036+57	15370 Weddington St, Sherman Oaks, CA 91411			120.0	35	56	41		No	21		No

Sepulveda Transit Corridor
Alternative 1
Groundborne Vibration and Noise Assessment

Location ID	Direction (NB/SB) (RT/LT)	Civil Station	Address	Land Use Type	Category	Distance (ft)	Unadjusted Vibration Level (VdB)	Vehicle Speed (mph)	Vibration Level (VdB) Adjusted for Speed	GBV Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
V-1-29	NB	1039+20	15353 Weddington St, Sherman Oaks, CA 91411	MFR	2	92.0	36	56	42	72	No	22	35	No
	SB	1039+03				106.0	36	56	41		No	21		No
V-1-30	NB	1044+77	La Fontana	MFR	2	163.0	34	56	39	72	No	19	35	No
	SB	1044+61	5345 Sepulveda Blvd suit 209, Sherman Oaks, CA 91411			177.0	34	56	39		No	19		No
V-1-31	NB	1046+17	5401 Sepulveda Blvd, Sherman Oaks, CA 91411	MFR	2	76.0	37	56	43	72	No	23	35	No
	SB	1046+00				90.0	36	56	42		No	22		No
V-1-32	NB	1049+83	Alber's Apartments	MFR	2	15.8	44	56	50	72	No	30	35	No
	SB	1049+63	15328 Albers St, Sherman Oaks, CA 91411			29.8	41	56	47		No	27		No
V-1-33	NB	1055+44	Best Western Plus Carriage Inn-North	Hotel	2	59.0	38	56	44	72	No	24	35	No
	SB	1055+21	5525 Sepulveda Blvd, Sherman Oaks, CA 91411			73.0	37	55	43		No	23		No
V-1-34	NB	1102+15	6217 Blucher Ave, Van Nuys, CA 91411	SFR	2	146.1	34	32	42	72	No	22	35	No
	SB	1101+83				160.1	34	42	37		No	17		No
V-1-35	NB	1107+88	6301 Blucher Ave, Van Nuys, CA 91411	SFR	2	137.3	35	44	38	72	No	18	35	No
	SB	1107+56				151.3	34	56	40		No	20		No
V-1-36	NB	1113+08	15541 Friar St, Van Nuys, CA 91411	SFR	2	73.5	37	49	42	72	No	22	35	No
	SB	1112+80				87.5	37	56	42		No	22		No
V-1-37	NB	1121+98	6456 Aqueduct Ave, Van Nuys, CA 91406	SFR	2	105.5	36	55	41	72	No	21	35	No
	SB	1121+73				119.5	35	50	40		No	20		No
V-1-38	NB	1128+15	6546 Aqueduct Ave, Van Nuys, CA 91406	SFR	2	97.7	36	50	41	72	No	21	35	No
	SB	1127+90				111.7	36	50	40		No	20		No
V-1-39	NB	1135+02	6654 Aqueduct Ave, Van Nuys, CA 91406	SFR	2	72.1	37	50	42	72	No	22	35	No
	SB	1134+77				86.1	37	56	42		No	22		No
V-1-40	NB	1140+53	Granada Aptartments	MFR	2	26.6	42	54	47	72	No	27	35	No
	SB	1140+28	15630 Vanowen St, Van Nuys, CA 91406			40.6	40	56	45		No	25		No
V-1-41	NB	1140+53	Vanowen Apartments	MFR	2	172.7	34	54	39	72	No	19	35	No
	SB	1140+28	15616 Vanowen St, Van Nuys, CA 91406			186.7	33	56	39		No	19		No
V-1-42	NB	1146+99	6841 Firmament Ave, Van Nuys, CA 91406	SFR	2	186.0	33	54	38	72	No	18	35	No
	SB	1146+74				200.0	33	56	38		No	18		No
V-1-43	NB	1160+57	15610 Lilli Wy, Van Nuys, CA 91406	MFR	2	52.6	39	52	44	72	No	24	35	No
	SB	1160+35				66.6	38	51	42		No	22		No
V-1-44	NB	1166+40	7135 Firmament Ave, Van Nuys, CA 91406	SFR	2	62.1	38	42	41	72	No	21	35	No
	SB	1166+17				96.9	36	31	37		No	17		No
V-1-45	NB	1172+51	Helen Towers	MFR	2	227.7	32	6	19	72	No	0	35	No
	SB	1172+28	15549 Sherman Way, Van Nuys, CA 91406			267.5	32	28	31		No	11		No
V-1-46	NB	1174+81	15556 Wyandotte Ave, Van Nuys, CA 91406	SFR	2	65.6	38	19	34	72	No	14	35	No
	SB	1174+54				81.4	37	31	37		No	17		No
V-1-47	NB	1176+30	15560 Leadwell St, Van Nuys, CA 91406	SFR	2	73.2	37	19	33	72	No	13	35	No
	SB	1175+98				87.2	37	33	38		No	18		No
V-1-48	NB	1184+15	7414 Firmament Ave, Van Nuys, CA 91406	SFR	2	94.2	36	48	40	72	No	20	35	No
	SB	1183+85				108.2	36	56	41		No	21		No
V-1-49	NB	1192+27	15559 Covello St, Van Nuys, CA 91406	SFR	2	58.2	38	55	44	72	No	24	35	No
	SB	1191+97				72.2	37	56	43		No	23		No
V-1-50	NB	1204+10	La Iglesia de Jesucristo de los Santos de los Últimos Días, Van Nuys	Church	3	81.2	37	56	42	72	No	22	40	No
	SB	1203+80				95.2	36	56	42		No	22		No
V-1-51	NB	1243+56	15242 Marson St, Van Nuys, CA 91402	SFR	2	406.7	30	53	35	72	No	15	35	No
	SB	1243+59				386.2	30	51	35		No	15		No
V-1-52	NB	1258+09	15018 Marson St, Panorama City, CA 91406	SFR	2	366.5	30	45	34	72	No	14	35	No
	SB	1258+12				346.0	31	33	32		No	12		No

Attachment 6. Alternative 3: Airborne Noise Impact Assessment and Mitigation

Sepulveda Transit Corridor
LASRE Alternative 3
Airborne Noise Impact Assessment and Mitigation
Category 2 Sites (L_{dn})

Sepulveda Transit Corridor
LASRE Alternative 3
Noise Impact Assessment - Category 2 Sites (L_{dn})

Receptor ID	Address	Near Track Direction	NB Track Station	SB Track Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground (ft)	Distance to NB Track (ft)			Distance to SB Track (ft)			Train Speeds		Existing Wall Adjustment		Building Shielding		Crossover Noise Adjustment		Calculated L_{dn}, dBA			Existing L_{dn} (dBA)	Level of Noise Impact					Mitigation Measure		Noise Levels After Mitigation		
									Horiz	Vertical	Total	Horiz	Vertical	Total	NB Speed (mph)	SB Speed (mph)	NB	SB	NB	SB	NB	SB	NB Track L_{dn} (dBA)	SB Track L_{dn} (dBA)	Total L_{dn} (dBA)		Impact L_{dn} (dBA) From	Impact L_{dn} (dBA) To	No Impact	Moderate Impact	Severe Impact	Mitigation Type	Location	NB Track L_{dn} (dBA)	SB Track L_{dn} (dBA)	Total L_{dn} (dBA)
NL-3.1	2435 S Sepulveda Blvd, Los Angeles, CA 90064	NB	502+28	502+28	239.5	2.0	170.0	45.0	259	26.5	260	299	26.5	300	10	10	0	0	0	0	0	0	36	35	39	74	66	72	√	--	--					
NL-3.2	Holiday Inn Express - West LA, 11250 Santa Monica Blvd, Los Angeles, CA 90025	SB	557+54	557+27	303.0	2.0	242.0	35.0	302	28.0	303	288	28.0	289	19	25	0	0	0	0	0	0	41	43	45	66	62	67	√	--	--					
NL-3.3	1521-1539 Beloit Ave, Los Angeles, CA 90025	SB	561+22	561+05	313.6	2.0	258.0	35.0	48	22.6	53	34	22.6	41	28	31	0	0	0	0	0	0	55	58	60	66	62	67	√	--	--					
NL-3.4	Greater LA Fisher House	SB	3003+14	569+05	328.7	2.0	275.0	5.0	210	50.7	216	190	50.7	196	39	46	0	0	0	0	0	0	49	51	53	69	64	69	√	--	--					
NL-3.5	3550 Royal Woods Dr, Sherman Oaks, CA 91403	SB	917+02	917+04	1072.5	2.0	1042.0	5.0	306	27.5	307	292	27.5	293	56	41	0	0	0	0	0	0	50	48	52	67	63	67	√	--	--					
NL-3.6	3553 Scadlock Ln, Sherman Oaks, CA 91403	NB	921+19	921+21	1050.1	2.0	1118.0	5.0	366	-70.9	373	380	-70.9	386	56	41	0	0	0	0	0	0	49	46	51	70	65	69	√	--	--					
NL-3.7	15508 Royal Ridge Rd, Sherman Oaks, CA 91403	SB	924+49	924+50	1032.3	2.0	930.0	5.0	325	99.3	340	311	99.3	327	56	41	-4.3	-0.7	0	0	0	0	45	46	49	63	60	65	√	--	--					
NL-3.8	15460 Briarwood Dr, Sherman Oaks, CA 91403	NB	941+53	941+50	940.5	2.0	970.0	5.0	171	-32.5	174	185	-32.5	187	56	41	-8.1	-7.2	0	0	0	0	46	43	48	74	66	72	√	--	--					
NL-3.9	15515 Woodcrest Dr, Sherman Oaks, CA 91403	SB	943+84	943+82	927.8	2.0	850.0	5.0	193	74.8	207	179	74.8	194	56	41	-15.0	-15.0	0	0	0	0	38	35	40	63	60	65	√	--	--					
NL-3.10	15528 Briarwood Dr, Sherman Oaks, CA 91403	SB	949+25	949+24	897.6	2.0	980.0	5.0	290	-85.4	303	304	-85.4	316	56	42	0	0	0	0	0	0	50	47	52	72	66	71	√	--	--					
NL-3.11	15371 Del Gado Dr, Sherman Oaks, CA 91403	NB	965+30	965+33	808.0	2.0	800.0	15.0	141	-5.0	141	155	-5.0	155	56	42	0	0	0	0	0	0	55	52	57	72	66	71	√	--	--					
NL-3.12	The Highland at Sherman Oaks, 4355 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	972+51	972+54	786.6	2.0	734.0	35.0	128	19.6	129	142	19.6	143	45	34	0	0	0	0	0	0	54	51	56	72	66	71	√	--	--					
NL-3.13	4401 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	975+26	975+28	783.2	2.0	732.0	45.0	185	8.2	185	199	8.2	199	38	25	0	0	0	0	0	0	50	46	51	72	66	71	√	--	--					
NL-3.14	15350 Sutton St, Sherman Oaks, CA 91403	SB	973+55	973+58	785.0	2.0	736.0	15.0	155	36.0	159	141	36	145	43	32	-1.6	0	0	0	0	0	50	50	53	72	66	71	√	--	--					
NL-3.15	4466 Sherman Oaks Cir, Sherman Oaks, CA 91403	SB	980+00	980+04	778.1	2.0	728.0	5.0	203	47.1	208	189	47.1	195	19	16	-4.3	-2.2	0	0	0	0	39	40	42	72	66	71	√	--	--					
NL-3.16	The Magnolia at Sherman Oaks, 15357 Magnolia Blvd, Sherman Oaks, CA 91403	NB	1031+61	1031+39	715.3	2.0	680.0	35.0	274	2.3	274	288	2.3	288	56	56	0	0	-1.5	-1.5	0	0	49	49	52	65	61	66	√	--	--					
NL-3.17	Basketball Courts at 15365 Magnolia Blvd, Sherman Oaks	NB	1035+27	1035+07	717.9	2.0	682.5	5.0	72	32.4	79	86	32.4	92	56	56	0	0	0	0	0	0	59	58	61	67	63	67	√	--	--					
NL-3.18	Weddington Apartements, 15370 Weddington St, Sherman Oaks, CA 91411	NB	1036+77	1036+57	719.5	2.0	682.0	15.0	106	24.5	109	120	24.5	123	56	56	0	0	0	0	0	0	57	56	59	67	63	67	√	--	--					
NL-3.19	15353 Weddington St, Sherman Oaks, CA 91411	NB	1039+20	1039+03	720.0	2.0	682.0	25.0	92	15.0	93	106	15	107	56	56	0	0	0	0	0	0	58	57	60	67	63	67	√	--	--					
NL-3.20	La Fontana, 5345 Sepulveda Blvd suit 209, Sherman Oaks, CA 91411	NB	1044+77	1044+61	720.8	2.0	683.5	15.0	163	24.3	165	177	24.3	179	56	56	0	0	0	0	0	0	54	54	57	67	63	67	√	--	--					
NL-3.21	5401 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1046+17	1046+00	721.8	2.0	685.0	15.0	76	23.8	79	90	23.8	93	56	56	0	0	0	0	0	0	59	58	61	67	63	67	√	--	--					
NL-3.22	Alber's Apts, 15328 Albers St, Sherman Oaks, CA 91411	NB	1049+83	1049+63	727.8	2.0	685.0	15.0	16	29.8	34	30	29.8	42	56	56	0	0	0	0	0	0	64	63	67	70	65	69	--	√	--	3-ft-high soundwall	1047+80 to 1057+00 (NB) East of each track	55	51	57
NL-3.23	Best Western Plus Carriage Inn-South, 5525 Sepulveda Blvd, Sherman Oaks, CA	NB	1051+98	1051+76	731.5	2.0	687.0	25.0	59	21.5	63	73	21.5	76	56	56	0	0	0	0	0	0	60	59	63	67	63	67	--	√	--		1047+80 to 1057+00 (NB) East of each track	54	52	56
NL-3.24	Best Western Plus Carriage Inn-North, 5525 Sepulveda Blvd, Sherman Oaks, CA	NB	1055+44	1055+21	740.3	2.0	688.0	15.0	107	39.3	114	121	39.3	128	56	55	0	0	0	0	0	0	56	56	59	67	63	67	√	--	--					
NL-3.25	6206 Blucher Ave, Van Nuys, CA 91411	NB	1100+86	1100+53	749.7	2.0	716.0	5.0	286	30.7	288	300	30.7	302	31	38	0	0	0	0	0	0	45	47	49	63	60	65	√	--	--					
NL-3.26	6217 Blucher Ave, Van Nuys, CA 91411	NB	1102+15	1101+83	747.9	2.0	718.0	5.0	146	26.9	149	160	26.9	162	32	42	0	0	0	0	0	0	50	52	54	63	60	65	√	--	--					
NL-3.27	6250 Blucher Ave, Van Nuys, CA 91411	NB	1105+71	1105+39	751.7	2.0	718.0	5.0	318	30.7	319	332	30.7	333	41	51	0	0	0	0	0	0	47	49	51	63	60	65	√	--	--					
NL-3.28	6301 Blucher Ave, Van Nuys, CA 91411	NB	1107+88	1107+56	754.6	2.0	721.0	5.0	137	30.6	141	151	30.6	154	44	56	0	0	0	0	0	0	53	55	57	63	60	65	√	--	--					
NL-3.29	6340 Blucher Ave, Van Nuys, CA 91411	NB	1112+16	1111+88	760.4	2.0	720.0	5.0	288	37.4	290	302	37.4	304	48	56	0	0	0	0	0	0	49	50	53	60	58	63	√	--	--					
NL-3.30	15541 Friar St, Van Nuys, CA 91411	NB	1113+08	1112+80	761.7	2.0	721.0	5.0	74	37.7	83	88	37.7	95	49	56	0	0	0	0	0	0	57	58	61	69	64	69	√	--	--					
NL-3.31	6456 Aqueduct Ave, Van Nuys, CA 91406	NB	1121+98	1121+73	768.8	2.0	726.0	5.0	105	39.8	113	119	39.8	126	55	50	0	0	0	0	0	0	56	55	59	69	64	69	√	--	--					
NL-3.32	6457 Blucher Ave, Van Nuys, CA 91406	NB	1121+97	1121+72	768.8	2.0	726.0	5.0	208	39.8	212	222	39.8	226	55	50	0	0	0	0	0	0	52	51	55	66	62	67	√	--	--					
NL-3.33	6546 Aqueduct Ave, Van Nuys, CA 91406	NB	1128+15	1127+90	763.7	2.0	730.0	5.0	98	30.7	102	112	30.7	116	50	50	0	0	0	0	0	0	56	55	59	69	64	69	√	--	--					
NL-3.34	6545 Blucher Ave, Van Nuys, CA 91406	NB	1128+15	1127+90	763.7	2.0	730.0	5.0	203	30.7	205	217	30.7	219	50	50	0	0	0	0	0	0	52	51	54	65	61	66	√	--	--					
NL-3.35	6654 Aqueduct Ave, Van Nuys, CA 91406	NB	1135+02	1134+77	765.5	2.0	735.0	5.0	72	27.5	77	86	27.5	90	50	56	0	0	0	0	0	0	58	58	61	69	64	69	√	--	--					
NL-3.36	6657 Blucher Ave, Van Nuys, CA 91406	NB	1135+42	1135+17	766.0	2.0	735.2	5.0	235	27.8	236	249	27.8	250	50	56	0	0	0	0	0	0	51	51	54	65	61	66	√	--	--					
NL-3.37	Granada Apts, 15630 Vanowen St, Van Nuys, CA 91406	NB	1140+53	1140+28	771.4	2.0	737.0	25.0	27	11.4	29	41	11.4	42	54	56	0	0	0	0	0	0	65	63	67	71	66	70	--	√	--	3-ft-high soundwall	1137+40 to 1142+00 (NB) East of each track	59	55	60
NL-3.38	Vanowen Apts, 15616 Vanowen St, Van Nuys, CA 91406	NB	1140+53	1140+28	771.4	2.0	737.5	25.0	173	10.9	173	187	10.9	187	54	56	0	0	0	0	0	0	53	53	56	69	64	69	√	--	--					
NL-3.39	6841 Firmament Ave, Van Nuys, CA 91406	NB	1146+99	1146+74	777.8	2.0	742.0	5.0	186	32.8	189	200	32.8	203	56	56	0	0	0	0	0	0	53	53	56	65	61	66	√	--	--					
NL-3.40	15623 Hart St, Van Nuys, CA 91406	NB	1156+33	1156+11	784.7	2.0	747.0	5.0	33	34.7	48	47	34.7	58	56	56	0	0	0	0	0	0	62	61	65	67	63	67	--	√	--	3-ft-high soundwall	1142+00 to 1160+30 (NB) East of each track	54	50	56
NL-3.41	15610 Lilli Wy, Van Nuys, CA 91406	NB	1160+57	1160+35	786.8	2.0	752.0	5.0	53	31.8	61	67	31.8	74	52	51	0	0	0	0	0	0	60	59	62	68	63	68	√	--	--					
NL-3.42	7135 Firmament Ave, Van Nuys, CA 91406	NB	1166+40	1166+17	807.5	2.0	752.0	15.0	62	42.5	75	97	42.5	106	42	31	0	0	0	0	0	0	57	52	58	68	63	68	√	--	--					
NL-3.43	Helen Towers, 15549 Sherman Way, Van Nuys, CA 91406	NB	1172+51	1172+28	815.4	2.0	757.0	35.0	228	25.4	229	267	25.4	269	6	28	0	0	0	0	0	0	33	45	45	67	63	67	√	--	--					
NL-3.44	15550 Wyandotte Ave, Van Nuys, CA 91406	NB	1173+85	1173+81	814.6	2.0	758.0	5.0	139	53.6	149	167	51.1	175	19	31	0	0	0	0	0	0	45	49	50	67	63	67	√	--	--					
NL-3.45	15556 Wyandotte Ave, Van Nuys, CA 91406	NB	1174+81	1174+54	812.4	2.0	758.0	5.0	66	51.4	83	81	51.4	96	19	31	0	0	0	0	0	0	49	52	54	67	63	67	√	--	--					
NL-3.46	15560 Leadwell St, Van Nuys, CA 91406	NB	1176+30	1175+98	807.9	2.0	758.8	5.0	73	46.1	87	87	46.1	99	19	33	0	0	0	0	0	0	49	53	54	67	63	67	√	--	--					
NL-3.47	7414 Firmament Ave, Van Nuys, CA 91406	NB	1184+15	1183+85	792.4	2.0	763.0	5.0	94	26.4	98	108	26.4	111	48	56	0	0	0	0	0	0	56	57	59	66	62	67	√	--	--					
NL-3.48	15559 Covello St, Van Nuys, CA 91406	NB	1192+27	1191+97	799.2	2.0	769.0	5.0	58	27.2	64	72	27.2	77	55	56	0	0	0	0	0	0	60	59	63	67	63	67	--	√	--	3-ft-high soundwall	1189+00 to 1195+00 (NB) East of each track	54	51	55
NL-3.49	15242 Marson St, Van Nuys, CA 91402	SB	1243+56	1243+59	840.0	2.0	793.1	5.0	407	43.9	409	386	43.9	389	53	51	0	0	0	0	0	0	48	48	51	61	59	64	√	--	--					
NL-3.50	15018 Marson St, Panorama City, CA 91406	SB	1258+09	1258+12	829.0	2.0	793.0	5.0	366	33.0	368	352	33.025	354	45	33	0	0	0	0	0	0	47	45	49	61	59	64	√	--	--					

Sepulveda Transit Corridor
LASRE Alternative 3
Airborne Noise Impact Assessment and Mitigation
Category 2 Sites (L_{dn})

Reference Source Data

Reference Distance (ft)	49.2
Reference Speed (mph)	56.3
Single Car SEL (dBA)	73.7
Multiple Car Consist	6
Multiple Car SEL (dBA)	81.5

24-hour Operations Assumptions

Daytime	**Period**	**Headway (min)**	**Hours**	**Number of Trains (each direction)**
7:00 AM - 10:00 AM	Peak AM	2	3	90
10:00 AM - 3:00 PM	Mid-day	5	5	60
3:00 PM - 7:00 PM	Peak PM	2	4	120
7:00 PM - 10:00 PM	Evening	5	3	36
	Totals:		15	306
Nighttime				
4:00 AM - 6:00 AM	Early	10	2	12
6:00 AM - 7:00 AM	Peak AM	2	1	30
10:00 PM - 2:00 AM	Late	10	4	24
	Totals:		7	66

Equivalent Number of Operations for Ldn Calculation: 966

Sepulveda Transit Corridor
LASRE Alternative 3
Airborne Noise Impact Assessment
Category 1 and 3 Sites (Hourly L_{eq})

Sepulveda Transit Corridor
LASRE Alternative 3
Noise Impact Assessment - Category 3 Sites (Leq(1hr))

Receptor ID	Address/Location Description	Near Track Direction	NB Track Station	SB Track Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground (ft)	Receiver Distance to NB Source (ft)			Receiver Distance to SB Source (ft)			Train Speeds		Source-Receiver Path Adjustments						Calculated L_{eq} (dBA)			Existing L_{eq} (dBA)	Level of Noise Impact				
																	Existing Soundwall Noise Reduction (dBA)		Existing Buildings Shielding Adjustment		Crossover Adj						Impact L_{eq} (dBA)				
									Horiz	Vertical	Total	Horiz	Vertical	Total	NB Speed (mph)	SB Speed (mph)	NB	SB	NB	SB	NB	SB	NB Track L_{eq}	SB Track L_{eq}	Total L_{eq}		From	To	No Impact	Moderate Impact	Severe Impact
NS-3.1	KT Rehearsal Studios, 1956 Cotner Ave, Los Angeles	NB	532+69	532+67	245.8	2.0	215.9	5.0	75	26.9	80	89	26.9	93	52	55	0	0	0	0	0	0	57	56	60	70	65	69	√	--	--
NS-3.2	Bessie Pregerson Child Development Center, 1341 S Sepulveda Blvd, Los Angeles	SB	3016+23	3009+36	331.0	2.0	293.0	5.0	28	35.0	45	6	35.0	36	22	29	0	0	0	0	0	0	53	57	59	60	63	68	√	--	--
NS-3.3	Westwood Park	NB	3023+97	3017+11	294.5	2.0	290.0	5.0	104	1.5	104	125	1.5	125	29	22	0	0	0	0	0	0	50	46	52	54	55	61	√	--	--
NS-3.4	Leo Baeck Temple	SB	3217+34	3209+87	723.1	2.0	660.0	5.0	482	60.1	486	465	60.1	469	31	25	0	0	0	0	0	0	41	39	43	67	68	72	√	--	--
NS-3.5	The Getty , Future Oak Parking Lot	SB	745+74	745+77	753.9	2.0	712.0	5.0	145	38.9	151	131	38.9	137	19	19	0	0	0	0	0	0	44	44	47	67	68	72	√	--	--
NS-3.6	Skirball Cultural Center, Ziegler Amphitheater	SB	869+86	869+93	1130.1	2.0	1112.0	5.0	301	15.1	301	287	15.1	287	48	52	0	0	0	0	0	0	48	48	51	61	59	64	√	--	--
NS-3.7	Milken Community School - First Floor	SB	877+92	878+02	1144.4	2.0	1172.0	5.0	215	-30.6	217	201	-30.6	203	53	56	0	0	0	0	0	0	51	51	54	71	71	75	√	--	--
NS-3.8	Milken Community School - Second Floor	SB	877+23	877+33	1143.2	2.0	1182.0	5.0	280	-41.8	283	266	-41.8	269	53	56	0	0	0	0	0	0	49	50	52	71	71	75	√	--	--
NS-3.9	Ivy Bound Academy	NB	1017+92	1017+69	734.9	2.0	682.0	5.0	113	49.9	124	127	49.9	137	50	51	0	0	0	0	0	0	54	53	56	68	68	73	√	--	--
NS-3.10	Emek Hebrew Academy, 15365 Magnolia Blvd, Sherman Oaks, CA 91403	NB	1031+61	1031+39	715.3	2.0	680.0	35.0	151	2.3	151	165	2.3	165	56	56	0	0	0	0	0	0	53	53	56	59	63	68	√	--	--
NS-3.11	La Iglesia de Jesucristo de los Santos de los Últimos Días, Van Nuys	NB	1204+10	1203+80	822.0	2.0	775.0	5.0	81	44.0	92	95	44.0	105	56	56	0	0	0	0	0	0	56	56	59	63	65	70	√	--	--

Reference Source Data

Reference Distance (ft)	49.2
Reference Speed (mph)	56.3
Single Car SEL (dBA)	73.7
Multiple Car Consist	6
Multiple Car SEL (dBA)	81.5
Peak-hour Number of Trains (each direction):	30

Attachment 7. Alternative 3: Off-Road Construction Equipment Noise Levels

Sepulveda Transit Corridor
Alternative 3
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
MRT Segment 1-Van Nuys Metrolink to Getty Center-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Substructure Foundations (CIDH)	Oscillating Drill Rig	7	84	20%	85	96
	Crawler Crane	7	83	20%	84	
	Hydraulic Crane	7	88	20%	89	
	Telescoping Fork	14	75	20%	79	
	Wheel Loader	7	80	40%	84	
	Med. Excavator	7	82	40%	86	
	Concrete Pump	7	77	40%	81	
	Generator	14	82	50%	90	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 1-Van Nuys Metrolink to Getty Center-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
MRT Segment 6-Getty Center to Federal Building-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 6-Getty Center to Federal Building-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 6-Getty Center to Federal Building-Launch Box	Drill Rig	1	84	20%	77	88
	Track Loader	2	80	40%	79	
	Telescoping Fork	3	75	20%	73	
	Crawler Crane	1	83	20%	76	
	Mini Excavator	1	75	40%	71	
	Hydraulic Crane	1	88	20%	81	
	Wheel Loader	1	80	40%	76	
	Concrete Pump	1	77	40%	73	
	Generator	3	82	50%	84	
MRT Segment 6-Getty Center to Federal Building-Finishing Work	Telescoping Fork	3	75	20%	73	86
	Crawler Crane	1	83	20%	76	
	Mini Excavator	1	75	40%	71	
	Hydraulic Crane	1	83	20%	76	
	Wheel Loader	1	80	40%	76	
	Concrete Pump	1	77	40%	73	
	Generator	3	82	50%	84	

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
MRT Segment 7-Federal Building to South of 405-Wilshire Interchange-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 7-Federal Building to South of 405-Wilshire Interchange-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 3-405-Wilshire Interchange Stretch-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 7-Federal Building to South of 405-Wilshire Interchange-Substructure Foundations (CIDH)	Drill Rig	1	84	20%	77	88
	Track Loader	2	80	40%	79	
	Telescoping Fork	3	75	20%	73	
	Crawler Crane	1	83	20%	76	
	Mini Excavator	1	75	40%	71	
	Hydraulic Crane	1	88	20%	81	
	Wheel Loader	1	80	40%	76	
	Concrete Pump	1	77	40%	73	
	Generator	3	82	50%	84	
MRT Segment 7-Federal Building to South of 405-Wilshire Interchange-Precast Superstructure Assembly	Hydraulic Crane	1	88	20%	81	88
	Telescoping Fork	2	75	40%	74	
	Crawler Crane	1	83	20%	76	
	Wheel Loader	1	80	40%	76	
	Generator	2	82	50%	82	
	Manlift	3	85	20%	83	
MRT Segment 7-Federal Building to South of 405-Wilshire Interchange-Finishing Work	Telescoping Fork	3	75	40%	76	87
	Crawler Crane	1	83	20%	76	
	Mini Excavator	1	75	40%	71	
	Hydraulic Crane	1	88	20%	81	
	Wheel Loader	1	80	40%	76	
	Concrete Pump	1	77	40%	73	
	Generator	3	82	50%	84	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Substructure Foundations (CIDH)	Oscillating Drill Rig	2	84	20%	80	90
	Crawler Crane	2	83	20%	79	
	Hydraulic Crane	2	88	20%	84	
	Telescoping Fork	4	75	20%	74	
	Wheel Loader	2	80	40%	79	
	Med. Excavator	2	82	40%	81	
	Concrete Pump	2	77	40%	76	
	Generator	4	82	50%	85	

Sepulveda Transit Corridor
Alternative 3
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
MRT Segment 4-South of 405-Wilshire Interchange to Metro E Line-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Van Nuys MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Van Nuys MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Van Nuys MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Van Nuys MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Van Nuys MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Sherman Way MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Way MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Way MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	

Sherman Way MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Sherman Way MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Metro G Line MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Metro G Line MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Metro G Line MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Metro G Line MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Metro G Line MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Sherman Oaks-Vta Blvd MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Oaks-Vta Blvd MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Sherman Oaks-Vta Blvd MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	

Sepulveda Transit Corridor
Alternative 3
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Sherman Oaks-Vta Blvd MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Sherman Oaks-Vta Blvd MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Getty Center MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Getty Center MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Getty Center MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Getty Center MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Getty Center MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
UCLA Gateway MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
UCLA Gateway MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
UCLA Gateway MRT Station-Station SOE-Excavation	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	

UCLA Gateway MRT Station-Station Construction	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
UCLA Gateway MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Wilshire Blvd-Metro D Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Wilshire Blvd-Metro D Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Wilshire Blvd-Metro D Station-Station SOE-Excavation	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Wilshire Blvd-Metro D Station-Station Construction	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Wilshire Blvd-Metro D Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Santa Monica Blvd MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Santa Monica Blvd MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Santa Monica Blvd MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	

Sepulveda Transit Corridor
Alternative 3
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Santa Monica Blvd MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Santa Monica Blvd MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
Exposition Blvd MRT Station-Utility Relocations	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Exposition Blvd MRT Station-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Exposition Blvd MRT Station-Substructure Foundations (CIDH)	Oscillating Drill Rig	1	84	20%	77	87
	Crawler Crane	1	83	20%	76	
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Exposition Blvd MRT Station-Precast Superstructure Assembly	Crawler Crane	1	83	20%	76	87
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	40%	74	
	Wheel Loader	1	80	40%	76	
	Med. Excavator	1	82	40%	78	
	Concrete Pump	1	77	40%	73	
	Generator	2	82	50%	82	
Exposition Blvd MRT Station-Finishing Work	Hydraulic Crane	1	88	20%	81	85
	Telescoping Fork	2	75	40%	74	
	Generator	2	82	50%	82	
TPSS 4-405-Near Getty Center on East side of 405-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 4-405-Near Getty Center on East side of 405-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 4-405-Near Getty Center on East side of 405-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 4-405-Near Getty Center on East side of 405-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 4-405-Near Getty Center on East side of 405-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	

TPSS 4-405-Near Getty Center on East side of 405-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
TPSS 6-Skirball-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 6-Skirball-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 6-Skirball-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 6-Skirball-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 6-Skirball-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 6-Skirball-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
TPSS 11-Raymer-Van Nuys-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
TPSS 11-Raymer-Van Nuys-Demolition/Site Preparation	Large Excavator	1	85	40%	81	85
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 11-Raymer-Van Nuys-Grading/Excavation	Large Excavator	1	85	40%	81	87
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Dozer-1ea	1	85	40%	81	
	Compactor	1	82	20%	75	
TPSS 11-Raymer-Van Nuys-Concrete Work	Compactor	4	82	20%	81	83
	Telescoping Fork	4	75	40%	77	
	Conc Pump	2	77	40%	76	
TPSS 11-Raymer-Van Nuys-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	82	20%	75	
	Telescoping Fork	1	75	20%	68	

Sepulveda Transit Corridor
Alternative 3
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

TPSS 11-Raymer-Van Nuys-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
OMSF-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
OMSF-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
OMSF-Grading/Excavation	Large Excavator	1	85	40%	81	89
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	623 Scraper	2	85	40%	84	
	Compactor	2	82	20%	78	
OMSF-Concrete Work	RTG Crane	1	83	20%	76	86
	Hydraulic Crane	1	88	20%	81	
	Telescoping Fork	2	75	20%	71	
	Wheel Loader	1	80	40%	76	
	Concrete Pump	1	77	40%	73	
	Manlift	2	85	20%	81	
OMSF-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
OMSF-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	1	80	40%	76	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	
Haynes St Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	
Missouri Ave Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	

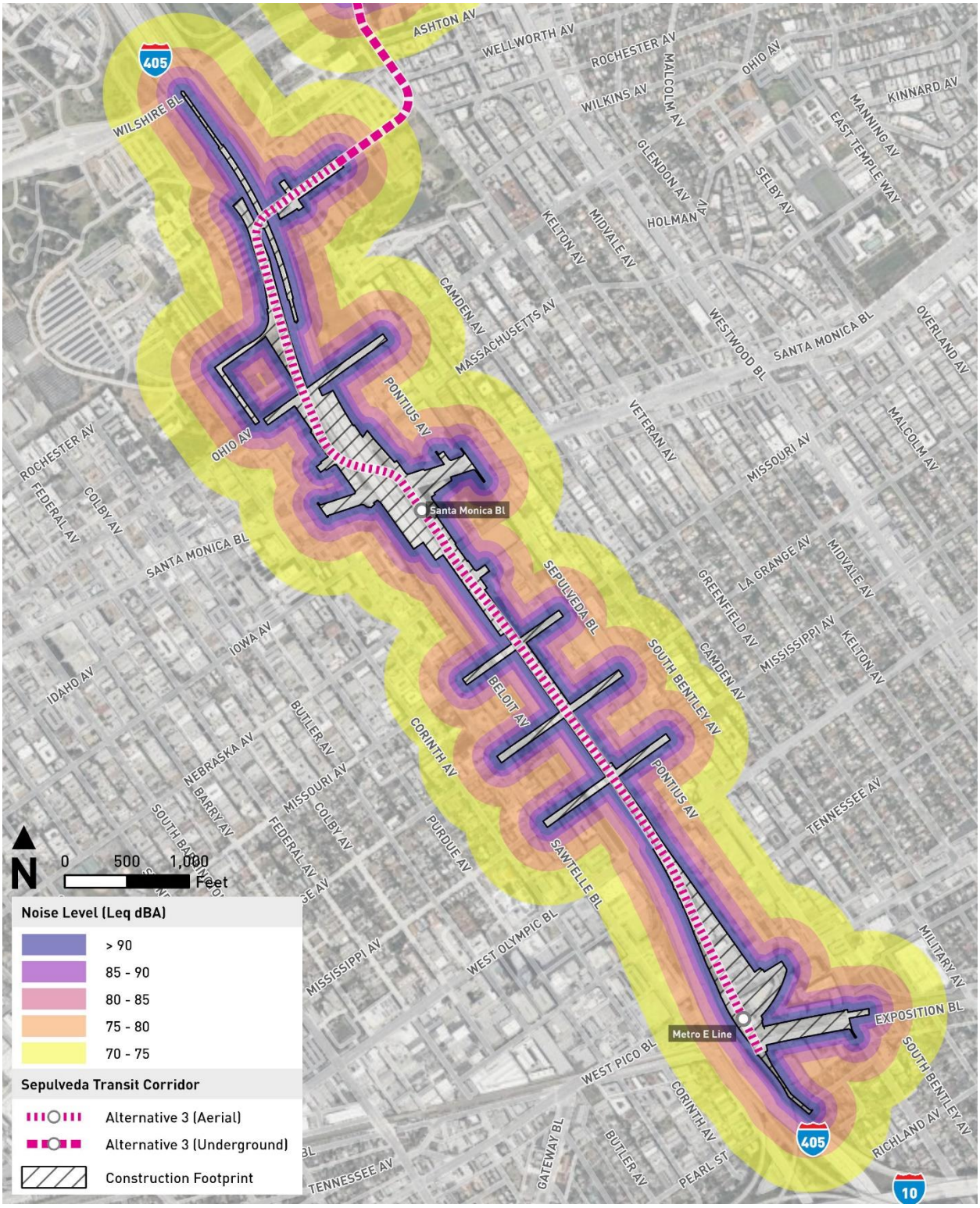
La Grange Ave Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	
Mississippi Ave Utility Relocation-Construction	Medium Excavator	1	82	40%	78	90
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
	Asphalt Paver	1	85	50%	82	
	Asphalt Roller	1	85	20%	78	
	Jack and Bore Rig	1	90	40%	86	
I-405 Improvements-Utility Relocation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
I-405 Improvements-Demolition/Site Preparation	Large Excavator	4	85	40%	87	91
	Wheel Loader	4	80	40%	82	
	Dozer	4	85	40%	87	
	Compactor	4	82	20%	81	
I-405 Improvements-Grading/Excavation	Large Excavator	4	85	40%	87	94
	Motor Grader	4	75	40%	77	
	Wheel Loader	4	80	40%	82	
	Dozer-1ea	8	85	40%	90	
	623 Scraper	4	85	40%	87	
	Compactor	4	82	20%	81	
I-405 Improvements-Concrete Work	Compactor	4	82	20%	81	87
	Telescoping Fork	4	75	20%	74	
	Slip Form Paver	2	85	50%	85	
Precast Yard-Demolition/Site Preparation	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	
Precast Yard-Grading/Excavation	Large Excavator	1	85	40%	81	89
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	623 Scraper	2	85	40%	84	
	Compactor	2	82	20%	78	
Precast Yard-Concrete Work	Gantry Crane	1	88	20%	81	89
	RTG Crane	4	83	20%	82	
	Hydraulic Crane	2	88	20%	84	
	Telescoping Fork	4	75	20%	74	
	Wheel Loader	2	80	40%	79	
	Concrete Pump	2	77	40%	76	
	Manlift	2	85	20%	81	
Precast Yard-Utility Work	Medium Excavator	1	82	40%	78	87
	Small Excavator	1	75	40%	71	
	Motor Grader	1	85	40%	81	
	Wheel Loader	1	80	40%	76	
	Pavement Saw	1	90	20%	83	
	Small Compactor	1	80	20%	73	
	Telescoping Fork	1	75	20%	68	

Sepulveda Transit Corridor
Alternative 3
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Precast Yard-Paving	Motor Grader	1	85	40%	81	88
	Wheel Loader	2	80	40%	79	
	Dozer	1	85	40%	81	
	Compactor	2	82	20%	78	
	Asphalt Paver	1	85	50%	82	
	Asphalt roller	2	85	20%	81	

Precast Yard-Guideway Fabrication	Cranes	4	85	20%	84	86
	Rough Terrain Forklifts	2	80	20%	76	
	Concrete Pumps	4	77	40%	79	

Figure G-1. Alternative 3: Construction Equipment Noise Contours – View 1



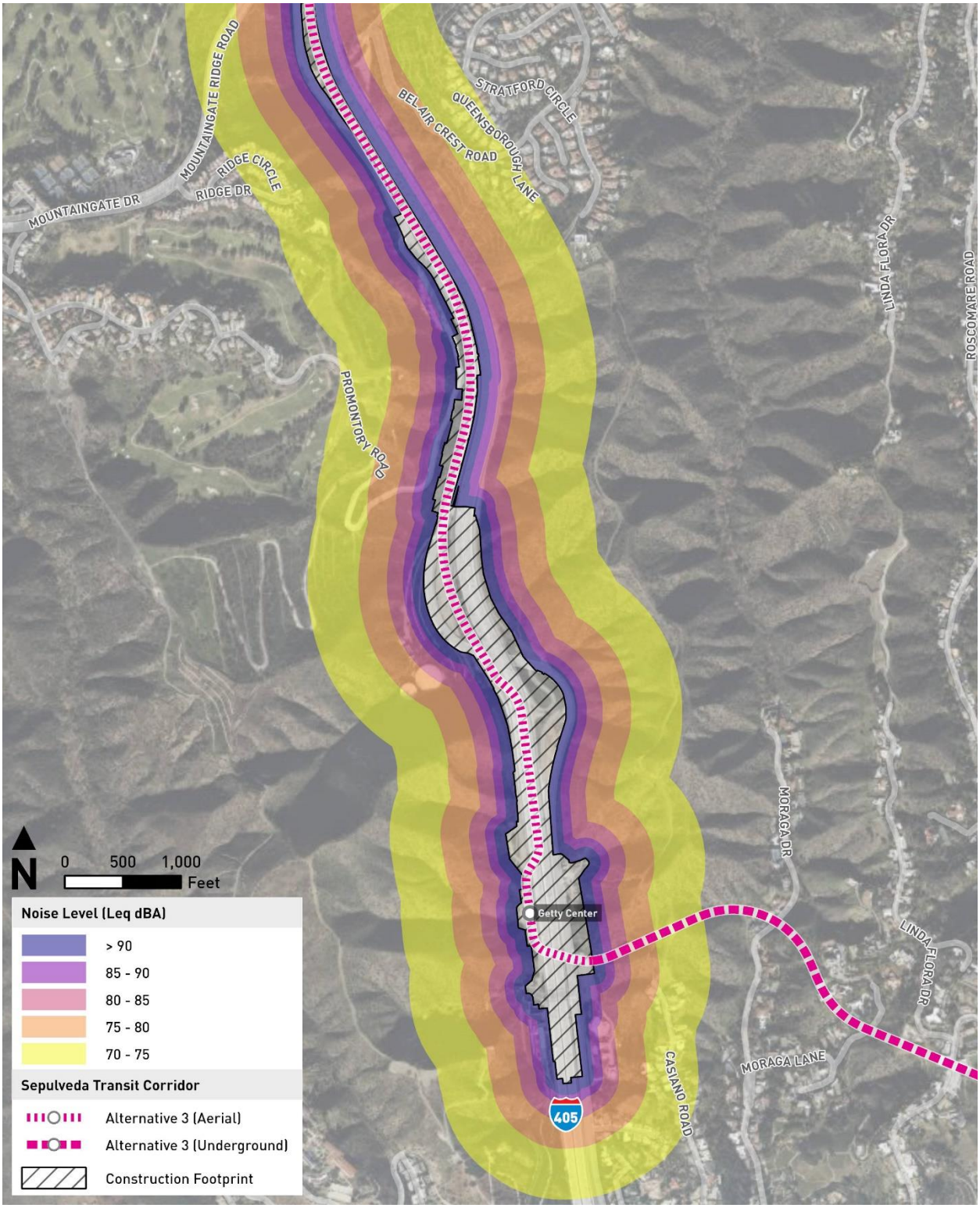
Source: HTA, 2024

Figure G-2. Alternative 3: Construction Equipment Noise Contours – View 2



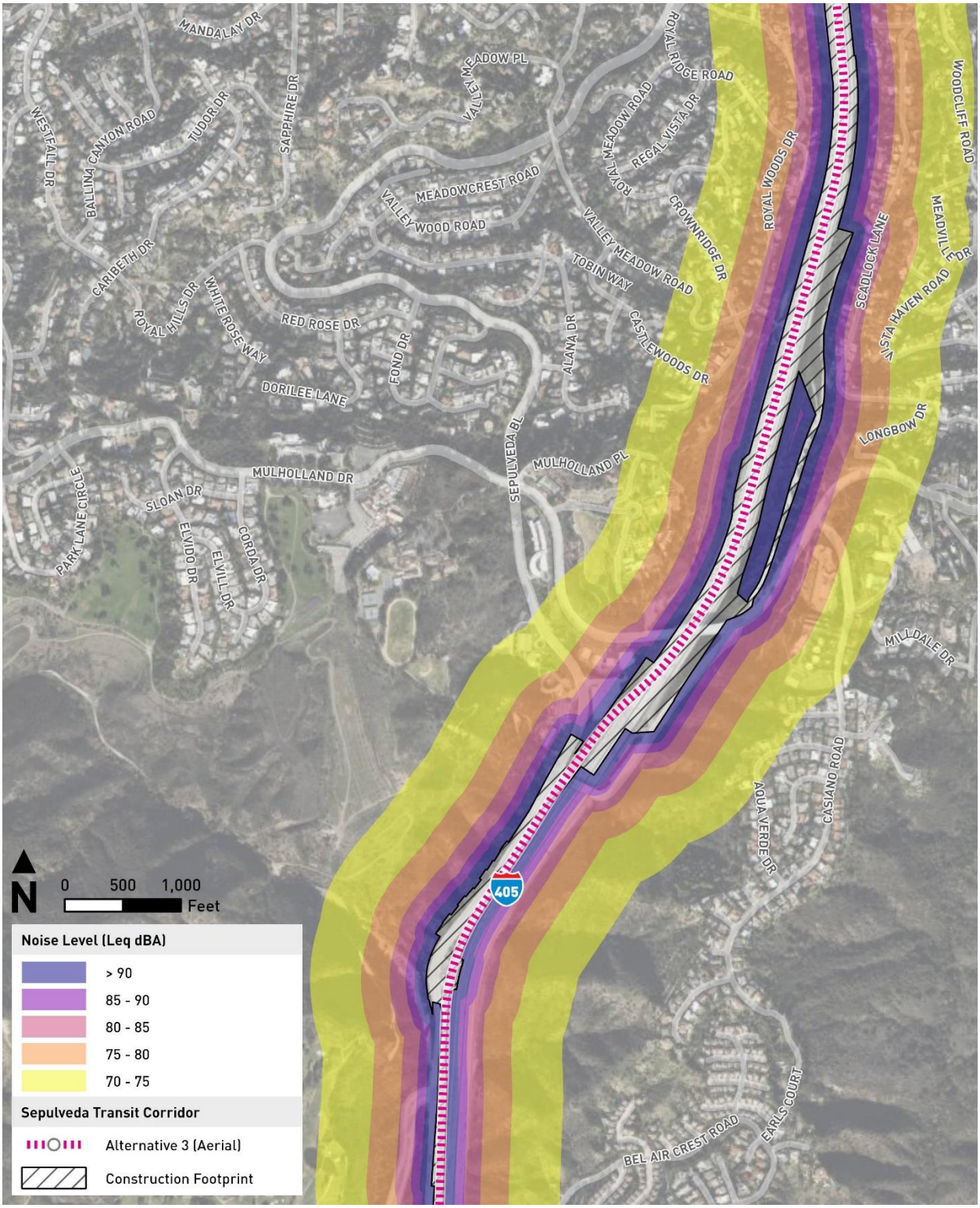
Source: HTA, 2024

Figure G-3. Alternative 3: Construction Equipment Noise Contours – View 3



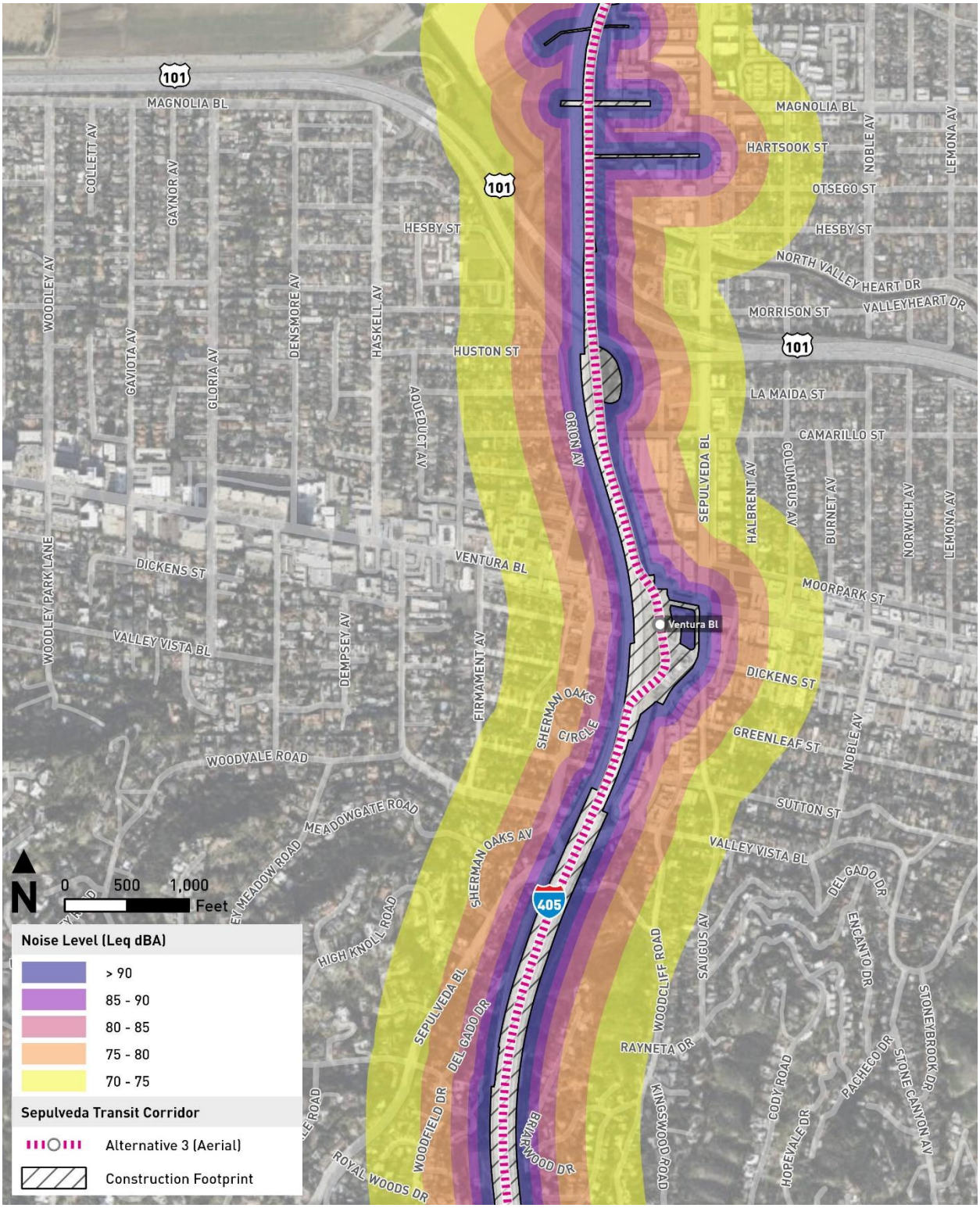
Source: HTA, 2024

Figure G-4. Alternative 3: Construction Equipment Noise Contours – View 4



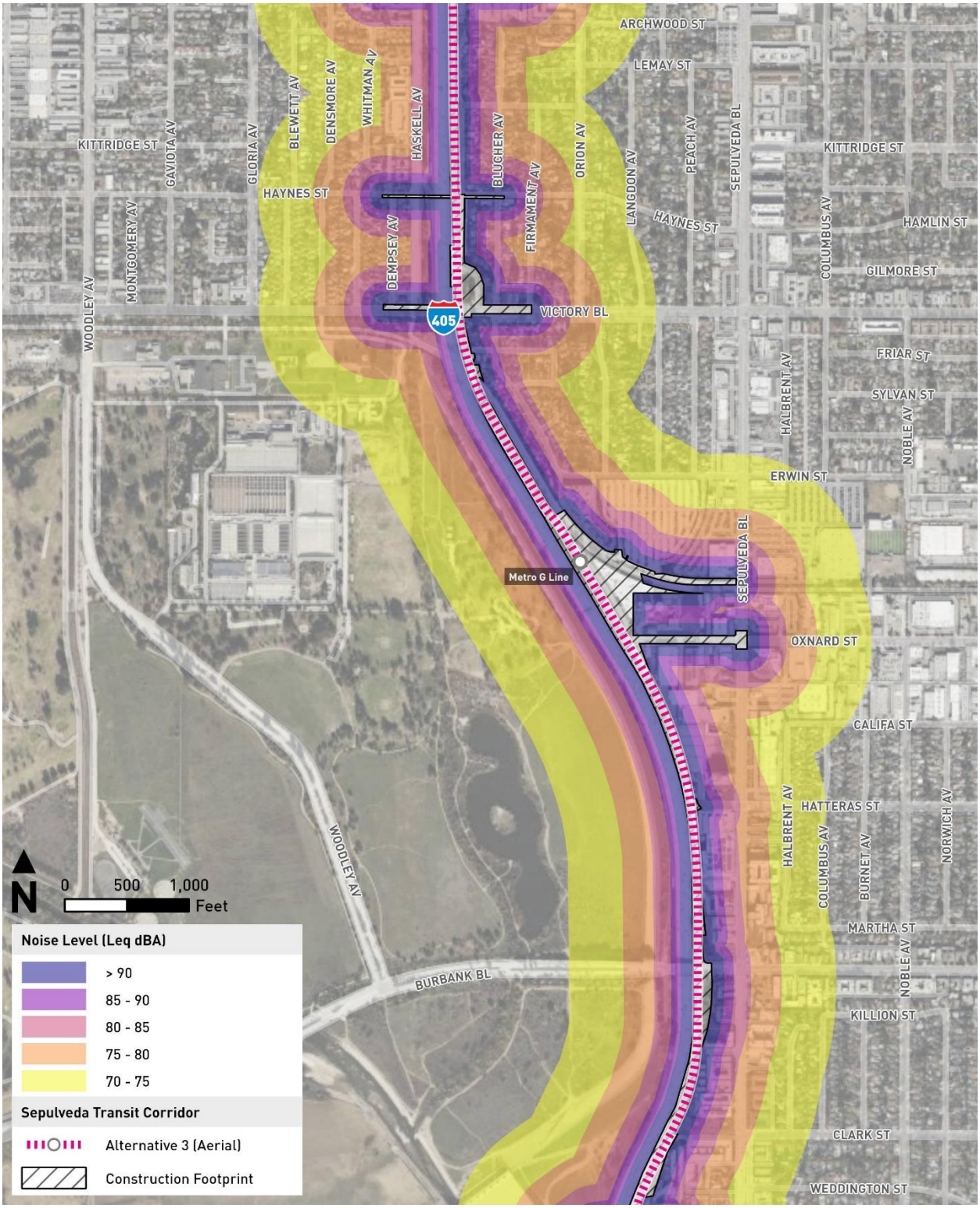
Source: HTA, 2024

Figure G-5. Alternative 3: Construction Equipment Noise Contours – View 5



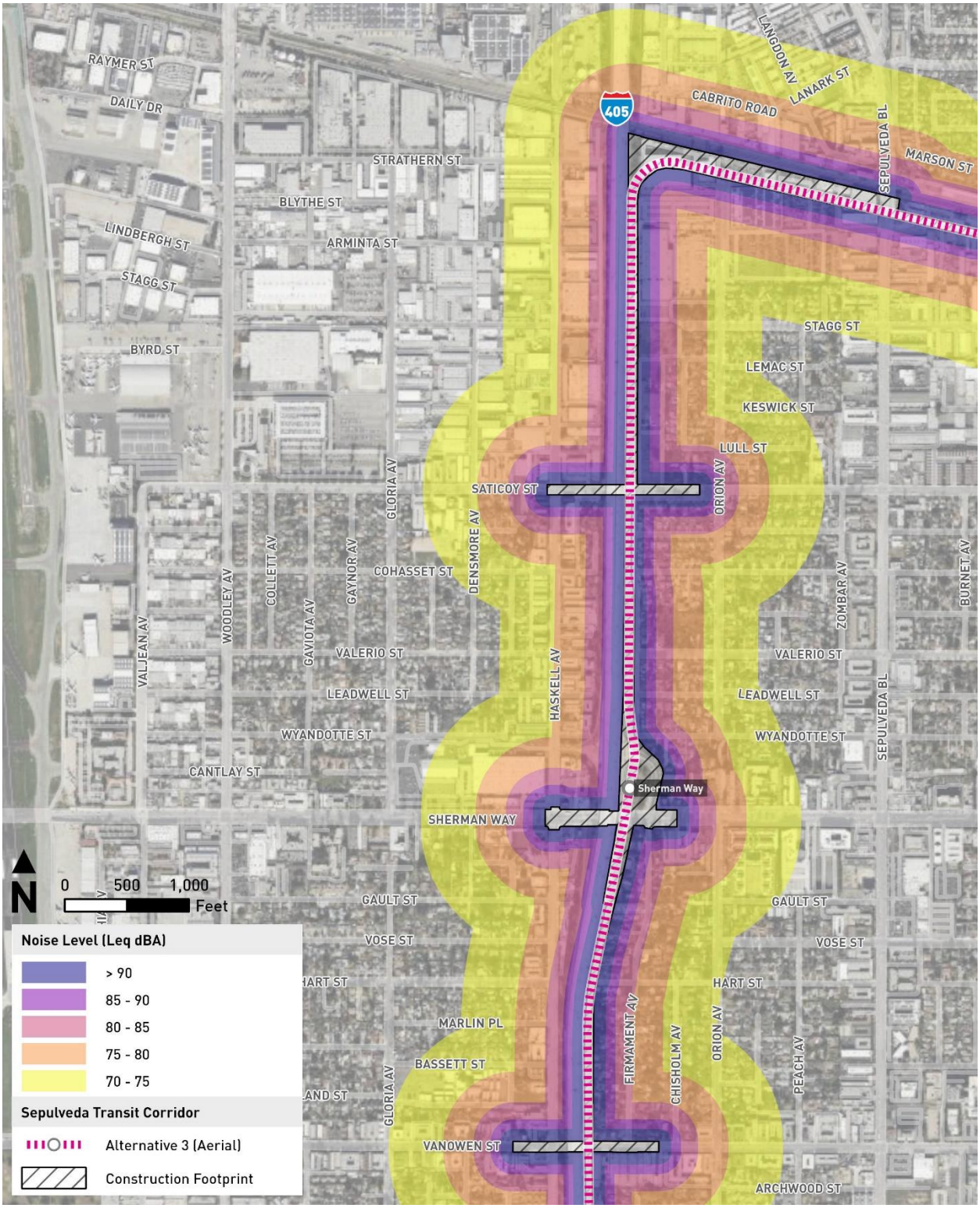
Source: HTA, 2024

Figure G-6. Alternative 3: Construction Equipment Noise Contours – View 6



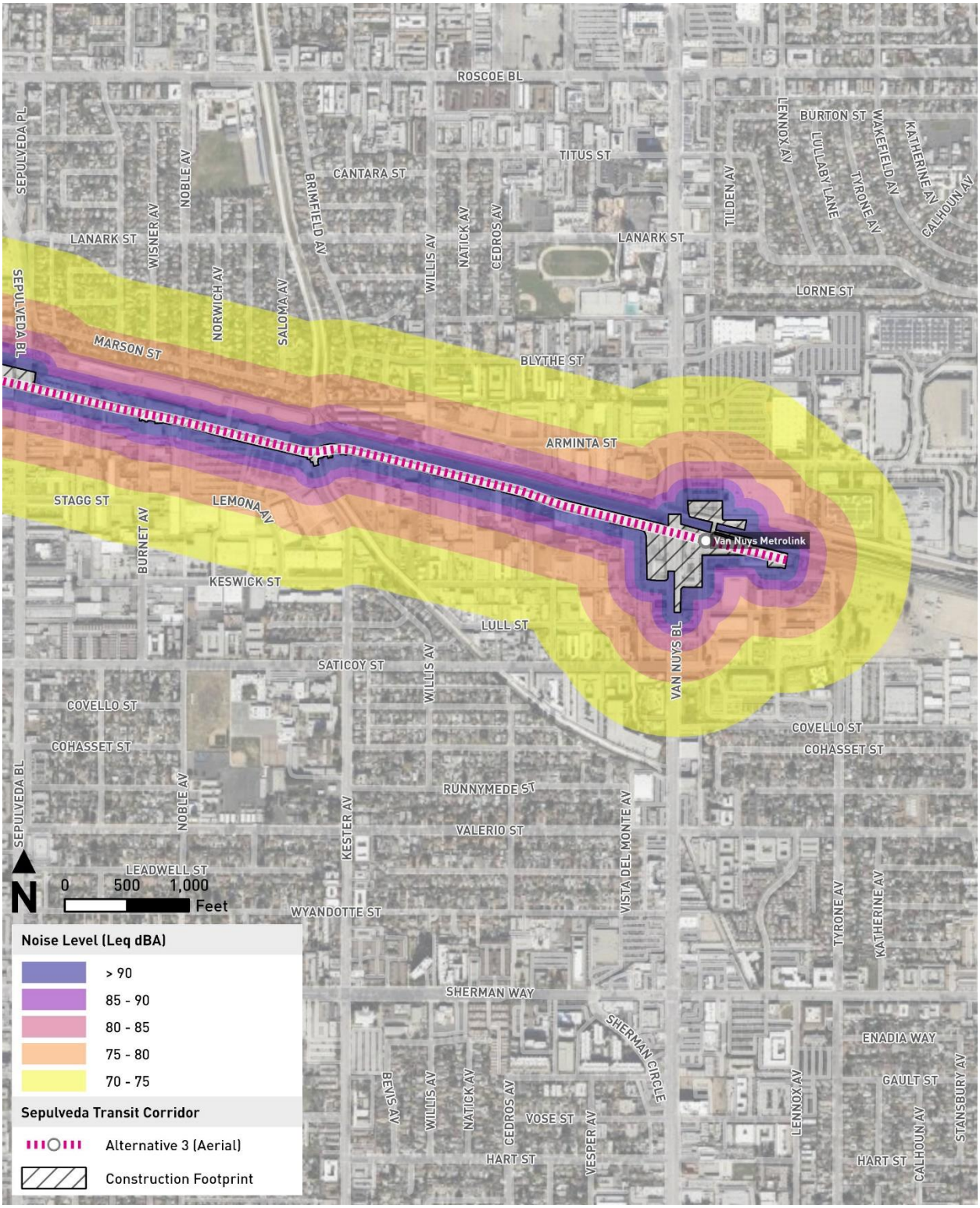
Source: HTA, 2024

Figure G-7. Alternative 3: Construction Equipment Noise Contours – View 7



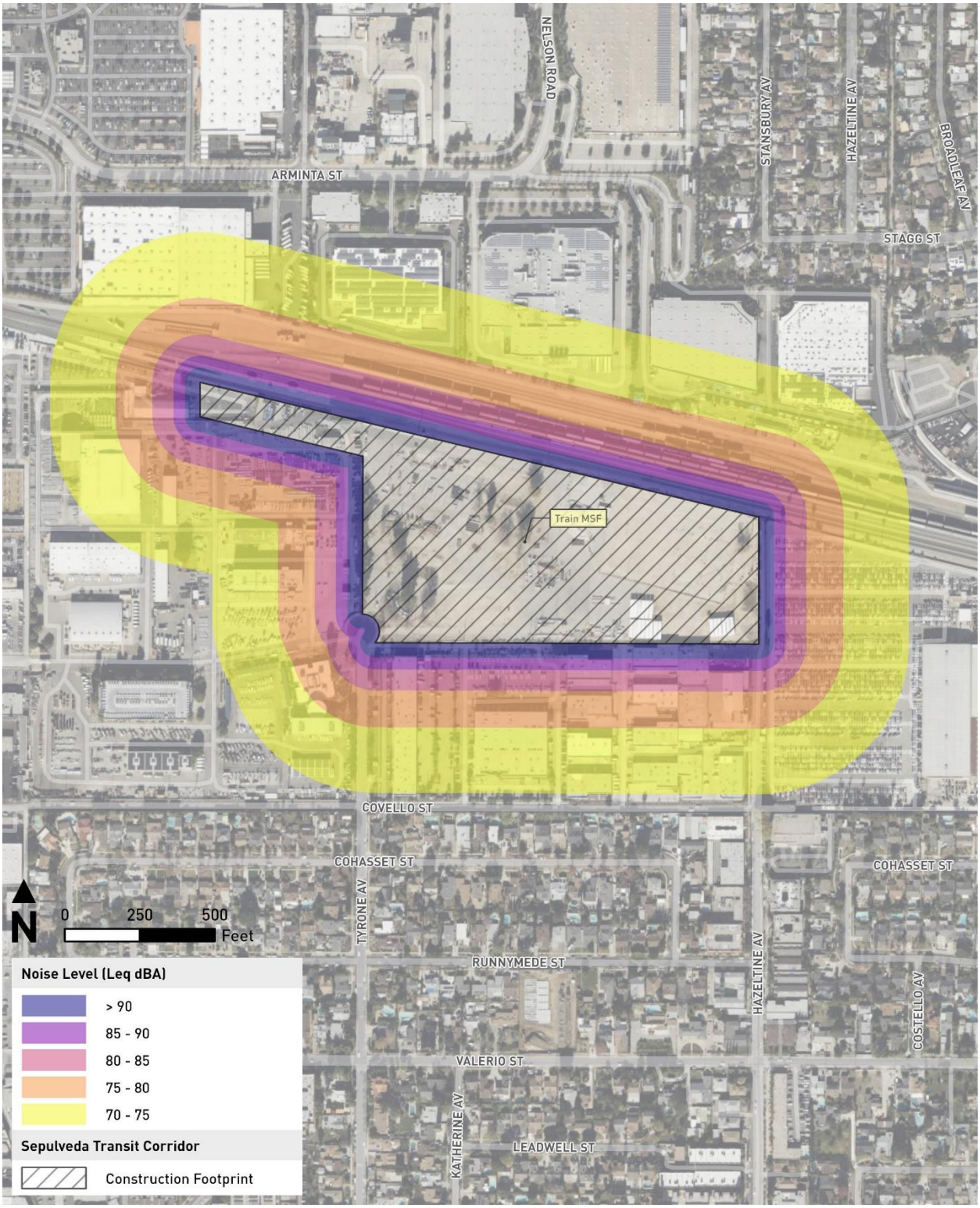
Source: HTA, 2024

Figure G-8. Alternative 3: Construction Equipment Noise Contours – View 8



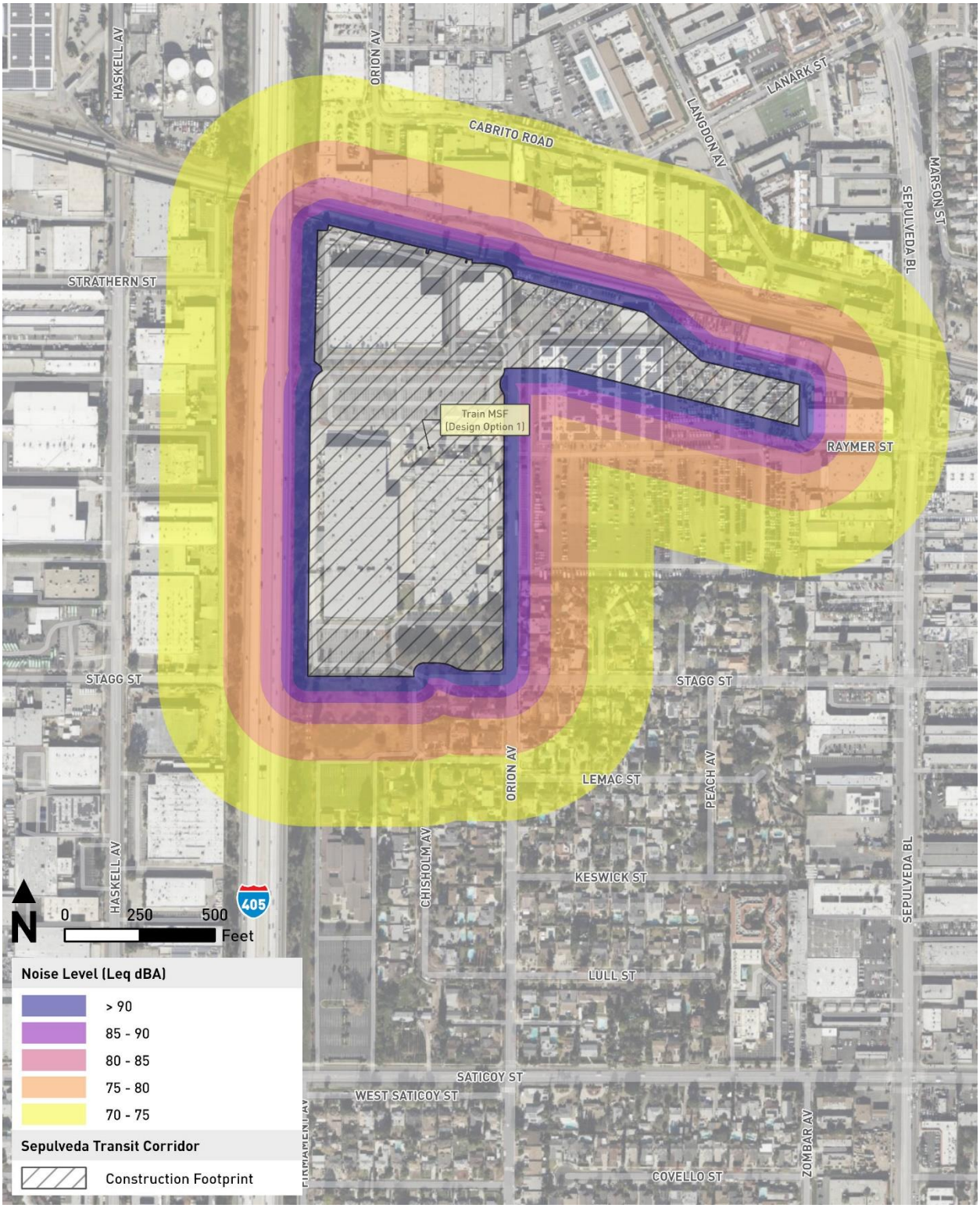
Source: HTA, 2024

Figure G-9. Alternative 3: Construction Equipment Noise Contours – Proposed MSF Base Design



Source: HTA, 2024

Figure G-10. Alternative 3: Construction Equipment Noise Contours – Proposed MSF Design Option 1



Source: HTA, 2024

Attachment 8. Alternative 3: Groundborne Vibration and Noise Assessment

Sepulveda Transit Corridor
Alternative 3
Groundborne Vibration and Noise Assessment

Location ID	Direction (NB/SB) (RT/LT)	Station	Address	Land Use Type	Category	Distance (ft)	Unadjusted Vibration Level (VdB)	Vehicle Speed (mph)	Vibration Level (VdB) Adjusted for Speed	GBV Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
V-3-1	NB	502+28	2435 S Sepulveda Blvd, Los Angeles, CA 90064	MFR	2	259.0	32	10	22	72	No	2	35	No
	SB	502+28				298.8	31	10	22		No	2		No
V-3-2	NB	532+69	KT Rehearsal Studios, 1956 Cotner Ave, Los Angeles	Music Studio	1	75.0	37	52	42	65	No	22	25	No
	SB	532+67				89.0	37	55	42		No	22		No
V-3-3	NB	557+54	Holiday Inn Express - West LA, 11250 Santa Monica Blvd, Los Angeles, CA 90025	MFR	2	302.0	31	19	27	72	No	7	35	No
	SB	557+27				288.0	31	25	30		No	10		No
V-3-4	NB	561+22	1521-1539 Beloit Ave, Los Angeles, CA 90025	MFR	2	47.7	39	28	39	72	No	19	35	No
	SB	561+05				33.7	41	31	41		No	21		No
V-3-5	NB	569+16	Greater LA Fisher House	MFR	2	47.7	39	39	42	72	No	22	35	No
	SB	569+05				33.7	41	46	44		No	24		No
V-3-6	NB	3016+23	Bessie Pergerson Child Development Center	Child Care	3	27.8	42	22	39	75	No	19	40	No
	SB	3009+36				6.3	48	29	48		No	28		No
Begin Underground Segment														
V-3-7	RT	3030+45	10989 Rochester Ave, Los Angeles, CA 90024	MFR	2	103.3	46	19	42	72	No	7	35	No
	LT	3023+36				123.0	45	30	45		No	10		No
V-3-8	RT	3031+46	10996 Wellworth Ave, Los Angeles, CA 90024	MFR	2	67.5	48	19	44	72	No	9	35	No
	LT	3024+27				82.8	47	29	46		No	11		No
V-3-9	RT	3033+76	1260 Veteran Ave, Los Angeles, CA 90024	MFR	2	79.1	47	19	43	72	No	8	35	No
	LT	3026+56				91.2	46	24	45		No	10		No
V-3-10	RT	3036+63	1220 Veteran Ave, Los Angeles, CA 90024	MFR	2	99.7	46	19	42	72	No	7	35	No
	LT	3029+43				109.3	46	19	42		No	7		No
V-3-11	RT	3048+09	1090 Veteran Ave, Los Angeles, CA 90024	Fire Station	2	116.9	45	33	46	72	No	11	35	No
	LT	3041+00				116.9	45	38	47		No	12		No
V-3-12	RT	3049+23	UCLA Williams Institute	Institutional	3	122.6	45	34	46	72	No	11	35	No
	LT	3042+17	1060 Veteran Ave Suite 134, Los Angeles, CA 90024			128.3	45	38	47		No	12		No
V-3-13	RT	3052+00	Science and Technology Research Building	Laboratory	1	127.8	45	34	46	65	No	11	25	No
	LT	3045+03	1040 Veteran Ave, Los Angeles, CA 90024			127.8	45	38	47		No	12		No
V-3-14	RT	3053+83	11000 Weyburn Ave, Los Angeles, CA 90024	MFR	2	123.1	45	34	46	72	No	11	35	No
	LT	3046+91				122.9	45	38	47		No	12		No
V-3-15	RT	3055+00	Gayley Terrace	MFR	2	198.4	43	34	44	72	No	9	35	No
	LT	3048+12	959 Gayley Ave, Los Angeles, CA 90024			181.7	43	38	45		No	10		No
V-3-16	LT	3061+79	Wendy and Leonard Goldberg Medical Building	Medical Bldg	1	151.2	44	42	47	65	No	12	25	No
	RT	3068+86	300 Medical Plaza Way, Los Angeles, CA 90095, 92617			167.1	44	34	45		No	10		No
V-3-17	LT	3065+07	100 Medical Plaza Driveway, Los Angeles, CA 90024	Medical Bldg	1	118.1	45	44	49	65	No	14	25	No
	RT	3072+14				130.1	45	37	47		No	12		No
V-3-18	RT	3072+89	Wasserman Building	Medical/Hospital	1	124.7	45	38	47	65	No	12	25	No
	LT	3065+82	300 Stein Plaza Driveway, Los Angeles, CA 90024			137.8	45	44	48		No	13		No
V-3-19	RT	3075+01	UCLA Semel Institute for Neuroscience and Human Behavior	Institutional	1	145.0	44	42	47	65	No	12	25	No
	LT	3067+96	760 Westwood Plaza, Los Angeles, CA 90024			160.8	44	43	47		No	12		No
V-3-20	RT	3076+52	Reed Neurological Research Center	Institutional/ Research	1	124.2	45	43	48	65	No	13	25	No
	LT	3069+48	710 Westwood Plaza, Los Angeles, CA 90095			137.1	45	39	47		No	12		No
V-3-21	LT	3069+89	UCLA Ronald Reagan Medical Building,	Medical Bldg	2	112.5	46	38	47	72	No	12	35	No
	RT	3076+93	757 Westwood Plaza, Los Angeles, CA 90095			122.5	45	43	48		No	13		No
V-3-22	RT	3078+06	UCLA Simulation Center	Medical	1	121.0	45	43	48	65	No	13	25	No
	LT	3071+02	700 Westwood Plaza, Los Angeles, CA 90024			134.2	45	33	46		No	11		No
V-3-23	RT	3079+40	Gonda Center	Institutional/ Research	1	116.8	45	39	48	65	No	13	25	No
	LT	3072+36	695 Charles E Young Dr S, Los Angeles, CA 90095			128.0	45	25	43		No	8		No
V-3-24	RT	3084+64	Nano and Pico Characterization Lab - CNSI	Institutional/ Research	1	455.9	39	16	34	65	No	0	25	No
	LT	3077+62	570 Westwood Plaza, Los Angeles, CA 90095			476.7	39	16	34		No	0		No
V-3-25	RT	3085+29	Henry Samueli School of Engineering	Institutional/ Research	1	134.0	45	16	39	65	No	4	25	No
	LT	3078+23	7400 Boelter Hall, Los Angeles, CA 90095			148.6	44	15	38		No	3		No
V-3-26	RT	3086+88	UCLA Engineering VI	Institutional/ Research	1	112.7	46	16	40	65	No	5	25	No
	LT	3079+81	404 Westwood Plaza, Los Angeles, CA 90095			121.7	45	15	39		No	4		No
V-3-27	LT	3083+30	James West Alumni Center	Institutional	3	121.5	45	31	46	75	No	11	40	No
	RT	3090+36	325 Westwood Plaza, Los Angeles, CA 90095			133.2	45	19	41		No	6		No

Sepulveda Transit Corridor
Alternative 3
Groundborne Vibration and Noise Assessment

Location ID	Direction (NB/SB) (RT/LT)	Station	Address	Land Use Type	Category	Distance (ft)	Unadjusted Vibration Level (VdB)	Vehicle Speed (mph)	Vibration Level (VdB) Adjusted for Speed	GBV Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
V-3-28	RT	3092+40	UCLA Ackerman Union	Institutional	3	109.6	46	28	45	75	No	10	40	No
	LT	3085+36	308 Westwood Plaza, Los Angeles, CA 90024			112.6	46	31	46		No	11		No
V-3-29	RT	3096+19	Student Activities Center	Institutional	3	122.2	45	31	46	75	No	11	40	No
	LT	3089+12	220 Westwood Plaza, Los Angeles, CA 90095			131.6	45	34	46		No	11		No
V-3-30	RT	3099+14	Department of World Arts & Cultures/Dance	Institutional	3	128.4	45	32	46	75	No	11	40	No
	LT	3092+04	120 Westwood Plaza, Los Angeles, CA 90077			139.4	45	38	47		No	12		No
V-3-31	RT	3105+87	Marymount High School	Institutional	3	130.0	45	38	47	75	No	12	40	No
	LT	3098+64	10643 Sunset Blvd, Los Angeles, CA 90077			132.7	45	38	47		No	12		No
V-3-32	RT	3126+55	10802 Ambazac Way, Los Angeles, CA 90077	SFR	2	194.7	43	44	46	72	No	11	35	No
	LT	3119+29				194.7	43	44	46		No	11		No
V-3-33	RT	3128+92	10801 Ambazac Way, Los Angeles, CA 90077	SFR	2	208.4	43	44	46	72	No	11	35	No
	LT	3121+66				211.4	43	44	46		No	11		No
V-3-34	LT	3121+89	10811 Ambazac Way, Los Angeles, CA 90077	SFR	2	227.5	42	44	46	72	No	11	35	No
	RT	3129+15				229.2	42	44	46		No	11		No
V-3-35	RT	3133+36	10790 Bellagio Rd, Los Angeles, CA 90077	SFR	2	252.7	42	44	45	72	No	10	35	No
	LT	3126+10				259.5	42	44	45		No	10		No
V-3-36	LT	3128+00	600 Sarbonne Rd, Los Angeles, CA 90077	SFR	2	264.5	42	44	45	72	No	10	35	No
	RT	3135+25				264.5	42	44	45		No	10		No
V-3-37	LT	3130+00	619 Sarbonne Rd, Los Angeles, CA 90077	SFR	2	264.9	42	44	45	72	No	10	35	No
	RT	3137+25				264.9	42	44	45		No	10		No
V-3-38	RT	3140+06	655 Sarbonne Rd, Los Angeles, CA 90077	SFR	2	268.3	42	44	45	72	No	10	35	No
	LT	3132+82				275.6	42	44	45		No	10		No
V-3-39	LT	3158+31	10972 Chalon Rd, Los Angeles, CA 90077	SFR	2	212.0	43	31	43	72	No	8	35	No
	RT	3165+62				214.2	43	31	43		No	8		No
V-3-40	LT	3159+27	10966 Chalon Rd, Los Angeles, CA 90077	SFR	2	229.7	42	33	43	72	No	8	35	No
	RT	3166+59				229.7	42	31	43		No	8		No
V-3-41	RT	3166+57	10960 Chalon Rd, Los Angeles, CA 90077	SFR	2	221.0	43	31	43	72	No	8	35	No
	LT	3159+24				228.3	42	33	43		No	8		No
V-3-42	LT	3162+95	11315 Chalon Rd, Los Angeles, CA 90049	SFR	2	418.6	40	42	43	72	No	8	35	No
	RT	3170+27				421.7	40	34	41		No	6		No
V-3-43	RT	3171+09	11323 Chalon Rd, Los Angeles, CA 90049	SFR	2	418.4	40	35	41	72	No	6	35	No
	LT	3163+77				418.4	40	44	43		No	8		No
V-3-44	RT	3171+59	11331 Chalon Rd, Los Angeles, CA 90049	SFR	2	418.4	40	36	41	72	No	6	35	No
	LT	3164+27				418.4	40	45	43		No	8		No
V-3-45	LT	3164+00	11322 Chalon Rd, Los Angeles, CA 90049	SFR	2	421.1	40	45	43	72	No	8	35	No
	RT	3171+32				425.3	40	35	41		No	6		No
V-3-46	LT	3164+86	11328 Chalon Rd, Los Angeles, CA 90049	SFR	2	416.4	40	47	44	72	No	9	35	No
	RT	3172+18				418.1	40	37	42		No	7		No
V-3-47	RT	3172+46	11337 Chalon Rd, Los Angeles, CA 90049	SFR	2	420.5	40	37	42	72	No	7	35	No
	LT	3165+13				422.3	40	47	44		No	9		No
V-3-48	RT	3173+09	11334 Chalon Rd, Los Angeles, CA 90049	SFR	2	418.0	40	38	42	72	No	7	35	No
	LT	3165+76				418.0	40	48	44		No	9		No
V-3-49	RT	3173+26	11343 Chalon Rd, Los Angeles, CA 90049	SFR	2	429.3	40	38	42	72	No	7	35	No
	LT	3165+93				434.2	40	49	44		No	9		No
V-3-50	RT	3173+74	11340 Chalon Rd, Los Angeles, CA 90049	SFR	2	417.1	40	39	42	72	No	7	35	No
	LT	3166+42				417.3	40	50	44		No	9		No
V-3-51	RT	3174+33	11346 Chalon Rd, Los Angeles, CA 90049	SFR	2	419.6	40	39	42	72	No	7	35	No
	LT	3167+00				422.1	40	51	44		No	9		No
V-3-52	RT	3179+00	The John Thomas Dye School	Institutional/	3	387.8	40	44	43	75	No	8	40	No
	LT	3171+68	11414 Chalon Rd, Los Angeles, CA 90049	School		387.8	40	53	45		No	10		No
V-3-53	LT	3173+00	985 Linda Flora Dr, Los Angeles, CA 90049	SFR	2	419.0	40	51	44	72	No	9	35	No
	RT	3180+32				419.0	40	44	43		No	8		No
V-3-54	LT	3172+94	981 Linda Flora Dr, Los Angeles, CA 90049	SFR	2	422.6	40	51	44	72	No	9	35	No
	RT	3180+27				425.9	40	44	43		No	8		No
V-3-55	RT	3180+99	991 Linda Flora Dr, Los Angeles, CA 90049	SFR	2	420.6	40	44	43	72	No	8	35	No
	LT	3173+67				423.5	40	49	44		No	9		No

Sepulveda Transit Corridor
Alternative 3
Groundborne Vibration and Noise Assessment

Location ID	Direction (NB/SB) (RT/LT)	Station	Address	Land Use Type	Category	Distance (ft)	Unadjusted Vibration Level (VdB)	Vehicle Speed (mph)	Vibration Level (VdB) Adjusted for Speed	GBV Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
V-3-56	RT	3184+00	1001 Linda Flora Dr, Los Angeles, CA 90049	SFR	2	427.8	40	44	43	72	No	8	35	No
	LT	3176+68				431.1	40	41	42		No	7		No
V-3-57	RT	3188+38	Moraga Estates, 1345 Vista Moraga, Los Angeles, CA 90049	SFR	2	279.1	42	43	45	72	No	10	35	No
	LT	3181+07				285.7	41	41	44		No	9		No
V-3-58	LT	3182+84	Moraga Estates, 1315 Vista Moraga, Los Angeles, CA 90049	SFR	2	180.2	43	41	46	72	No	11	35	No
	RT	3190+10				191.5	43	42	46		No	11		No
V-3-59	LT	3185+36	Moraga Estates, 1397 Vista Moraga, Los Angeles, CA 90049	SFR	2	277.2	42	41	44	72	No	9	35	No
	RT	3192+55				277.9	42	42	44		No	9		No
V-3-60	RT	3194+46	Moraga Estates, 1399 Vista Moraga, Los Angeles, CA 90049	SFR	2	305.9	41	41	44	72	No	9	35	No
	LT	3187+30				314.1	41	43	44		No	9		No
V-3-61	RT	3200+44	Moraga Estates, 1345 Moraga Dr, Los Angeles, CA 90049	SFR	2	80.3	47	40	50	72	No	15	35	No
	LT	3193+14				97.7	46	44	49		No	14		No
V-3-62	RT	3201+12	Moraga Estates, 1323 Moraga Dr, Los Angeles, CA 90049	SFR	2	59.2	48	40	51	72	No	16	35	No
	LT	3193+80				76.6	47	44	50		No	15		No
End Underground Segment														
V-3-63	NB	869+86	Skirball Cultural Center, Ziegler Amphitheater	Amphitheater	3	301.0	31	48	35	75	No	15	40	No
	SB	869+93				287.0	31	52	36		No	16		No
V-3-64	NB	877+92	Milken Community School - First Floor	School	3	215.0	33	53	38	75	No	18	40	No
	SB	878+02				201.0	33	56	38		No	18		No
V-3-65	NB	917+02	3550 Royal Woods Dr, Sherman Oaks, CA 91403	SFR	2	305.7	31	56	37	72	No	17	35	No
	SB	917+04				291.7	31	41	34		No	14		No
V-3-66	NB	921+19	3553 Scadlock Ln, Sherman Oaks, CA 91403	SFR	2	366.0	30	56	36	72	No	16	35	No
	SB	921+21				380.0	30	41	33		No	13		No
V-3-67	NB	924+49	15508 Royal Ridge Rd, Sherman Oaks, CA 91403	SFR	2	325.0	31	56	36	72	No	16	35	No
	SB	924+50				311.0	31	41	34		No	14		No
V-3-68	NB	941+53	15460 Briarwood Dr, Sherman Oaks, CA 91403	SFR	2	171.0	34	56	39	72	No	19	35	No
	SB	941+50				185.0	33	41	36		No	16		No
V-3-69	NB	943+84	15515 Woodcrest Dr, Sherman Oaks, CA 91403	SFR	2	193.0	33	56	39	72	No	19	35	No
	SB	943+82				179.0	34	41	36		No	16		No
V-3-70	NB	949+25	15528 Briarwood Dr, Sherman Oaks, CA 91403	SFR	2	290.0	31	56	37	72	No	17	35	No
	SB	949+24				304.0	31	42	34		No	14		No
V-3-71	NB	965+30	15371 Del Gado Dr, Sherman Oaks, CA 91403	SFR	2	141.0	35	56	40	72	No	20	35	No
	SB	965+33				155.0	34	42	37		No	17		No
V-3-72	NB	972+51	The Highland at Sherman Oaks	MFR	2	128.0	35	45	39	72	No	19	35	No
	SB	972+54	4355 Sepulveda Blvd, Sherman Oaks, CA 91403			142.0	35	34	36		No	16		No
V-3-73	NB	975+26	4401 Sepulveda Blvd, Sherman Oaks, CA 91403	MFR	2	185.0	33	38	35	72	No	15	35	No
	SB	975+28				199.0	33	25	31		No	11		No
V-3-74	NB	973+55	15350 Sutton St, Sherman Oaks, CA 91403	MFR	2	155.0	34	43	37	72	No	17	35	No
	SB	973+58				141.0	35	32	35		No	15		No
V-3-75	NB	980+00	4466 Sherman Oaks Cir, Sherman Oaks, CA 91403	SFR	2	203.0	33	19	29	72	No	9	35	No
	SB	980+04				189.0	33	16	28		No	8		No
V-3-76	NB	1017+92	Ivy Bound Academy	School	3	113.0	36	50	40	75	No	20	40	No
	SB	1017+69				127.0	35	51	40		No	20		No
V-3-77	NB	1031+61	Emek Hebrew Academy	School	3	151.0	34	56	40	75	No	20	40	No
	SB	1031+39	15365 Magnolia Blvd, Sherman Oaks, CA 91403			165.0	34	56	39		No	19		No
V-3-78	NB	1036+77	Weddington Apartements	MFR	2	106.0	36	56	41	72	No	21	35	No
	SB	1036+57	15370 Weddington St, Sherman Oaks, CA 91411			120.0	35	56	41		No	21		No
V-3-79	NB	1039+20	15353 Weddington St, Sherman Oaks, CA 91411	MFR	2	92.0	36	56	42	72	No	22	35	No
	SB	1039+03				106.0	36	56	41		No	21		No
V-3-80	NB	1044+77	La Fontana	MFR	2	163.0	34	56	39	72	No	19	35	No
	SB	1044+61	5345 Sepulveda Blvd suit 209, Sherman Oaks, CA 91411			177.0	34	56	39		No	19		No
V-3-81	NB	1046+17	5401 Sepulveda Blvd, Sherman Oaks, CA 91411	MFR	2	76.0	37	56	43	72	No	23	35	No
	SB	1046+00				90.0	36	56	42		No	22		No
V-3-82	NB	1049+83	Alber's Apartments	MFR	2	15.8	44	56	50	72	No	30	35	No
	SB	1049+63	15328 Albers St, Sherman Oaks, CA 91411			29.8	41	56	47		No	27		No
V-3-83	NB	1055+44	Best Western Plus Carriage Inn-North	Hotel	2	59.0	38	56	44	72	No	24	35	No
	SB	1055+21	5525 Sepulveda Blvd, Sherman Oaks, CA 91411			73.0	37	55	43		No	23		No

Sepulveda Transit Corridor
Alternative 3
Groundborne Vibration and Noise Assessment

Location ID	Direction (NB/SB) (RT/LT)	Station	Address	Land Use Type	Category	Distance (ft)	Unadjusted Vibration Level (VdB)	Vehicle Speed (mph)	Vibration Level (VdB) Adjusted for Speed	GBV Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
V-3-84	NB	1102+15	6217 Blucher Ave, Van Nuys, CA 91411	SFR	2	146.1	34	32	42	72	No	22	35	No
	SB	1101+83				160.1	34	42	37		No	17		No
V-3-85	NB	1107+88	6301 Blucher Ave, Van Nuys, CA 91411	SFR	2	137.3	35	44	38	72	No	18	35	No
	SB	1107+56				151.3	34	56	40		No	20		No
V-3-86	NB	1113+08	15541 Friar St, Van Nuys, CA 91411	SFR	2	73.5	37	49	42	72	No	22	35	No
	SB	1112+80				87.5	37	56	42		No	22		No
V-3-87	NB	1121+98	6456 Aqueduct Ave, Van Nuys, CA 91406	SFR	2	105.5	36	55	41	72	No	21	35	No
	SB	1121+73				119.5	35	50	40		No	20		No
V-3-88	NB	1128+15	6546 Aqueduct Ave, Van Nuys, CA 91406	SFR	2	97.7	36	50	41	72	No	21	35	No
	SB	1127+90				111.7	36	50	40		No	20		No
V-3-89	NB	1135+02	6654 Aqueduct Ave, Van Nuys, CA 91406	SFR	2	72.1	37	50	42	72	No	22	35	No
	SB	1134+77				86.1	37	56	42		No	22		No
V-3-90	NB	1140+53	Granada Aptartments	MFR	2	26.6	42	54	47	72	No	27	35	No
	SB	1140+28	15630 Vanowen St, Van Nuys, CA 91406			40.6	40	56	45		No	25		No
V-3-91	NB	1140+53	Vanowen Apartments	MFR	2	172.7	34	54	39	72	No	19	35	No
	SB	1140+28	15616 Vanowen St, Van Nuys, CA 91406			186.7	33	56	39		No	19		No
V-3-92	NB	1146+99	6841 Firmament Ave, Van Nuys, CA 91406	SFR	2	186.0	33	54	38	72	No	18	35	No
	SB	1146+74				200.0	33	56	38		No	18		No
V-3-93	NB	1160+57	15610 Lilli Wy, Van Nuys, CA 91406	MFR	2	52.6	39	52	44	72	No	24	35	No
	SB	1160+35				66.6	38	51	42		No	22		No
V-3-94	NB	1166+40	7135 Firmament Ave, Van Nuys, CA 91406	SFR	2	62.1	38	42	41	72	No	21	35	No
	SB	1166+17				96.9	36	31	37		No	17		No
V-3-95	NB	1172+51	Helen Towers	MFR	2	227.7	32	6	19	72	No	0	35	No
	SB	1172+28	15549 Sherman Way, Van Nuys, CA 91406			267.5	32	28	31		No	11		No
V-3-96	NB	1174+81	15556 Wyandotte Ave, Van Nuys, CA 91406	SFR	2	65.6	38	19	34	72	No	14	35	No
	SB	1174+54				81.4	37	31	37		No	17		No
V-3-97	NB	1176+30	15560 Leadwell St, Van Nuys, CA 91406	SFR	2	73.2	37	19	33	72	No	13	35	No
	SB	1175+98				87.2	37	33	38		No	18		No
V-3-98	NB	1184+15	7414 Firmament Ave, Van Nuys, CA 91406	SFR	2	94.2	36	48	40	72	No	20	35	No
	SB	1183+85				108.2	36	56	41		No	21		No
V-3-99	NB	1192+27	15559 Covello St, Van Nuys, CA 91406	SFR	2	58.2	38	55	44	72	No	24	35	No
	SB	1191+97				72.2	37	56	43		No	23		No
V-3-100	NB	1204+10	La Iglesia de Jesucristo de los Santos de los Últimos Días, Van Nuys	Church	3	81.2	37	56	42	72	No	22	40	No
	SB	1203+80				95.2	36	56	42		No	22		No
V-3-101	NB	1243+56	15242 Marson St, Van Nuys, CA 91402	SFR	2	406.7	30	53	35	72	No	15	35	No
	SB	1243+59				386.2	30	51	35		No	15		No
V-3-102	NB	1258+09	15018 Marson St, Panorama City, CA 91406	SFR	2	366.5	30	45	34	72	No	14	35	No
	SB	1258+12				346.0	31	33	32		No	12		No

Attachment 9. Alternative 4: Airborne Noise Impact Assessment

Sepulveda Transit Corridor
STCP Alternative 4
Airborne Noise Impact Assessment
Category 2 Sites (L_{dn})

Receiver ID	Noise Monitoring Location	Address	Near Track Direction	Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground	Receiver Distance to NB Track (ft)			Receiver Distance to SB Track (ft)			Train Speeds (mph)		Source-Receiver Path Adjustments: Existing Soundwall Noise Reduction		Source-Receiver Path Adjustments: Building Shielding Adjustment		Source-Receiver Path Adjustments: Crossover Noise Adj		Wheel Squeal Noise Adjustment (dBA)		Calculated Rail L_{dn}, dBA			Existing L_{dn} (dBA)	Level of Noise Impact				
									Horiz	Vertical	Total	Horiz	Vertical	Total	NB Track	SB Track	NB	SB	NB	SB	NB	SB	NB	SB	NB Track	SB Track	Total Passbys		Impact L_{dn} (dBA) From	To	No Impact	Moderate Impact	Severe Impact
N-4.1	--	4241 Woodcliff Rd, Sherman Oaks, CA 91403	NB	949+22	770.3	2.0	752	5	307.8	15.3	308	320.8	15.3	321	70	56	0	0	0	0	0	0			53	52	56	63	60	65	√	--	--
N-4.2	--	4249 Woodcliff Rd, Sherman Oaks, CA 91403	NB	949+95	769.5	2.0	750	5	293.6	16.5	294	306.6	16.5	307	70	55	0	0	0	0	0	0			54	52	56	63	60	65	√	--	--
N-4.3	--	4340 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	951+24	768.3	2.0	750	5	19.6	15.3	25	32.6	15.3	36	70	54	0	0	0	0	0	0			62	52	62	70	65	69	√	--	--
N-4.4	--	4348 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	951+65	767.8	2.0	746	5	64.4	18.8	67	77.4	18.8	80	70	53	0	0	0	0	0	0			61	53	61	68	63	68	√	--	--
N-4.5	--	15308 Valley Vista Blvd, Sherman Oaks, CA 91403	NB	952+54	767.0	2.0	744	5	213.5	20.0	214	226.5	20.0	227	70	52	0	0	0	0	0	0			55	52	57	68	63	68	√	--	--
N-4.6	--	4374 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	954+68	764.8	2.0	738	35	214.7	-6.2	215	227.7	-6.2	228	66	49	0	0	0	0	0	0			57	58	60	68	63	68	√	--	--
N-4.7	--	15350 Sutton St, Sherman Oaks, CA 91403	SB	955+62	763.9	2.0	736	15	335.9	14.9	336	322.9	14.9	323	63	48	-6	-6	0	0	0	0			47	44	49	72	66	71	√	--	--
N-4.8	--	15286 Sutton St, Sherman Oaks, CA 91403	NB	957+47	762.0	2.0	734	25	244.7	5.0	245	257.7	5.0	258	58	44	0	0	0	0	0	0			54	53	56	68	63	68	√	--	--
N-4.9	--	4410 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	959+70	759.8	2.0	734	35	164.6	-7.2	165	177.6	-7.2	178	52	39	0	0	0	0	5	5			62	63	65	70	65	69	--	√	--
N-4.10	--	4415 Saugus Ave, Sherman Oaks, CA 91403	NB	960+65	758.8	2.0	730	35	278.2	-4.2	278	291.2	-4.2	291	50	37	0	0	-5	-5	0	0			47	48	50	63	60	65	√	--	--
N-4.11	43	4440 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	962+48	757.0	2.0	728	45	61.0	-14.0	63	74.0	-14.0	75	44	31	0	0	0	0	5	5			72	63	72	76	66	74	--	√	--
N-4.12	--	4443 Saugus Ave, Sherman Oaks, CA 91403	NB	962+63	756.9	2.0	728	15	240.0	15.9	241	253.0	15.9	253	44	30	0	0	-5	-5	5	5			51	47	52	63	60	65	√	--	--
965+90	968+70	**SEPULVEDA/VENTURA STATION**																															
N-4.13	--	4630 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	975+95	744.5	2.0	703	25	103.1	18.5	105	116.1	18.5	118	25	25	0	0	0	0	0	0			50	46	51	66	62	67	√	--	--
N-4.14	--	4625 Halbrent Ave, Sherman Oaks, CA 91403	NB	975+84	744.5	2.0	702	5	236.2	39.5	239	249.2	39.5	252	25	25	0	0	-5	-5	0	0			40	37	41	61	59	64	√	--	--
N-4.15	--	4706 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	980+43	744.0	2.0	700	35	103.5	11.0	104	116.5	11.0	117	36	45	0	0	0	0	0	0			54	54	57	66	62	67	√	--	--
N-4.16	--	4713 Halbrent Ave, Sherman Oaks, CA 91403	NB	980+43	744.0	2.0	697	5	230.0	44.0	234	243.0	44.0	247	36	45	0	0	-5	-5	0	0			43	41	45	61	59	64	√	--	--
N-4.17	--	4734 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	982+43	743.7	2.0	696	35	103.1	14.7	104	116.1	14.7	117	42	51	0	0	0	0	0	0			55	54	57	66	62	67	√	--	--
N-4.18	--	4750 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	984+43	743.3	2.0	693	35	106.0	17.3	107.4	119.0	17.3	120.2	46	56	0	0	0	0	0	0			55	54	58	66	62	67	√	--	--
N-4.19	--	4761 Halbrent Ave, Sherman Oaks, CA 91403	NB	984+93	743.2	2.0	690	5	230.9	50.2	236.3	243.9	50.2	249.0	47	58	0	0	-5	-5	0	0			45	43	47	61	59	64	√	--	--
N-4.20	--	4735 Sepulveda Blvd, Sherman Oaks, CA 91403	SB	982+44	743.7	2.0	696	40	67.2	9.7	67.9	54.2	9.7	55.1	42	51	0	0	0	0	0	0			54	60	61	66	62	67	√	--	--
N-4.21	--	777 Motor Inn 4781 Sepulveda Blvd, Sherman Oaks, CA 91403	SB	984+94	743.2	2.0	694	15	88.6	36.2	95.7	75.6	36.2	83.8	47	58	0	0	0	0	0	0			50	56	57	66	62	67	√	--	--
N-4.22	44	4800 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	986+13	743.0	2.0	692	15	69.9	38.0	79.5	82.9	38.0	91.2	50	61	0	0	0	0	0	0			55	52	57	66	62	67	√	--	--
N-4.23	--	4806 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	986+98	742.9	2.0	691	15	66.8	38.9	77.3	79.8	38.9	88.8	51	63	0	0	0	0	0	0			55	53	57	66	62	67	√	--	--
N-4.24	--	15243 Camarillo St, Sherman Oaks, CA 91403	NB	986+98	742.9	2.0	689	5	186.5	50.9	193.4	199.5	50.9	205.9	51	63	0	0	-5	-5	0	0			46	43	48	61	59	64	√	--	--
N-4.25	--	15229 Camarillo St, Sherman Oaks, CA 91403	NB	986+98	742.9	2.0	687	5	323.3	52.9	327.6	336.3	52.9	340.4	51	63	0	0	-7	-7	0	0			42	42	45	61	59	64	√	--	--
N-4.26	--	4860 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	990+00	745.5	2.0	688	28	53.9	31.5	62.4	66.9	31.5	74.0	56	70	0	0	0	0	0	0			57	55	59	66	62	67	√	--	--
N-4.27	--	15243 La Maida St, Sherman Oaks, CA 91403	NB	990+00	745.5	2.0	686	5	183.9	56.5	192.4	196.9	56.5	204.9	56	70	0	0	-5	-5	0	0			47	44	48	64	61	65	√	--	--
N-4.28	--	15229 La Maida St, Sherman Oaks, CA 91403	NB	990+00	745.5	2.0	684	5	319.1	58.5	324.4	332.1	58.5	337.2	56	70	0	0	-7	-7	0	0			43	42	45	64	61	65	√	--	--
N-4.29	--	4964 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	997+00	731.7	2.0	680	35	56.1	18.7	59.1	69.1	18.7	71.6	64	70	0	0	0	0	0	0			60	55	61	67	63	67	√	--	--
N-4.30	--	15243 Morrison St, Sherman Oaks, CA 91403	NB	997+00	731.7	2.0	680	5	190.6	48.7	196.7	203.6	48.7	209.3	64	70	0	0	-5	-5	0	0			48	45	50	61	59	64	√	--	--
N-4.31	--	15229 Morrison St, Sherman Oaks, CA 91403	NB	997+00	731.7	2.0	679	5	319.9	49.7	323.7	332.9	49.7	336.5	64	70	0	0	-10	-10	0	0			42	40	44	59	58	63	√	--	--
N-4.32	--	5030 Sepulveda Blvd, Sherman Oaks, CA 91403	NB	1001+50	720.0	2.0	678	15	58.7	29.0	65.5	71.7	29.0	77.4	70	70	0	0	0	0	0	0			60	54	61	67	63	67	√	--	--
N-4.33	--	15245 Valleyheart Drive, Sherman Oaks	NB	1001+25	720.6	2.0	677	5	136.3	40.6	142.2	149.3	40.6	154.7	70	70	0	0	-3	-3	0	0			53	48	54	66	62	67	√	--	--
N-4.34	45	15233½ Valleyheart Drive, Sherman Oaks	NB	1000+75	721.9	2.0	676	5	229.9	42.9	233.9	242.9	42.9	246.7	69	70	0	0	-5	-5	0	0			48	45	50	64	61	65	√	--	--
N-4.35	--	15227 Valleyheart Drive, Sherman Oaks	NB	1001+00	721.3	2.0	676	5	326.4	42.3	329.1	339.4	42.3	342.0	70	70	0	0	-5	-5	0	0			47	45	49	61	59	64	√	--	--
N-4.36	--	15237 Hartsook St, Sherman Oaks, CA 91403	NB	1010+25	704.6	2.0	676	5	228.4	25.6	229.8	241.4	25.6	242.8	70	70	0	0	-5	-5	0	0			49	48	52	61	61	65	√	--	--
N-4.37	--	15225 Hartsook St, Sherman Oaks, CA 91403	NB	1010+25	704.6	2.0	676	5	328.4	25.6	329.4	341.4	25.6	342.4	70	70	0	0	-5	-5	0	0			48	47	50	61	59	64	√	--	--
N-4.38	--	15215 Magnolia Blvd, Sherman Oaks, CA 91403	NB	1013+50	708.2	2.0	678	20	318.6	12.2	318.9	331.6	12.2	331.8	70	70	0	0	-5	-5	0	0			48	50	52	61	59	64	√	--	--
N-4.39	--	15237 Magnolia Blvd, Sherman Oaks, CA 91403	NB	1013+50	708.2	2.0	680	22	67.4	8.2	67.9	80.4	8.2	80.8	70	70	0	0	0	0	0	0			62	60	64	70	65	69	√	--	--
N-4.40	48	15231 Magnolia Blvd, Sherman Oaks, CA 91403	NB	1016+75	709.9	2.0	680	25	57.6	6.9	58.0	70.6	6.9	70.9	70	70	0	0	0	0	0	0			61	60	64	70	65	69	√	--	--
N-4.41	--	15321 Magnolia Blvd, Sherman Oaks, CA 91403	SB	1012+50	707.5	2.0	679	35	249.6	-4.5	249.6	236.6	-4.5	236.6	70	70	0	0	-5	-5	0	0			54	51	56	61	59	64	√	--	--
N-4.42	--	5259 Sepulveda Blvd, Sherman Oaks, CA 91411	SB	1018+00	710.6	2.0	680	20	78.7	12.6	79.7	65.7	12.6	66.9	70	70	0	0	0	0	0	0			57	59	61	68	63	68	√	--	--
N-4.43	--	15323 Weddington St, Sherman Oaks, CA 91411	SB	1019+25	711.3	2.0	682	20	259.9	11.3	260.1	246.9	11.3	247.2	70	70	0	0	-5	-5	0	0			51	50	53	61	59	64	√	--	--
N-4.44		5307 Sepulveda Blvd, Sherman Oaks, CA 91411	SB	1020+00	711.7	2.0	680	35	76.5	-1.3	76.6	63.5	-1.3	63.6	70	70	0	0	0	0	0	0			67	65	69	70	65	69	--	√	--
N-4.45	--	5308 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1020+70	712.1	2.0	680	25	107.0	9.1	107.4	120.0	9.1	120.4	70	70	0	0	0	0	0	0			60	59	62	70	65	69	√	--	--
N-4.46	49	5329 Sepulveda Blvd, Sherman Oaks, CA 91411	SB	1021+50	712.5	2.0	681	5	100.6	28.5	104.6	87.6	28.5	92.1	70	70	0	0	0	0	0	0			53	58	59	68	63	68	√	--	--
N-4.47	--	5412 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1025+80	714.8	2.0	684	30	73.7	2.8	73.8	86.7	2.8	86.8	70	70	0	0	0	0	0	0			62	63	65	72	66	71	√	--	--
N-4.48	--	5444 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1029+50	716.8	2.0	686	15	71.2	17.8	73.4	84.2	17.8	86.1	70	70	0	0	0	0	0	0			60	55	62	71	66	70	√	--	--
N-4.49	--	5435 Halbrent Ave, Sherman Oaks, CA 91411	NB	1029+50	716.8	2.0	686	5	271.8	27.8	273.2	284.8	27.8	286.1	70	70	0	0	-5	-5	0	0			48	47	51	63	60	65	√	--	--
N-4.50	51	Starlight Cottage, 5450 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1030+50	717.4	2.0	686	15	109.9	18.4	111.5	122.9	18.4	124.3	70	70	0	0	0	0	0	0			58	55	60	70	65	69	√	--	--
N-4.51	--	5451 Sepulveda Blvd, Sherman Oaks, CA 91411	SB	1030+50	717.4	2.0	686	15	75.2	18.4	77.4	62.2	18.4	64.9	70	70	0	0	0	0	0	0			55	61	62	68	63	68	√	--	--
N-4.52	--	15328 Albers St, Sherman Oaks, CA 91411	SB	1030+50	717.4	2.0	686	15	292.3	18.4	292.8	279.3	18.4	279.9	70	70	0	0	-5	-5	0	0			49	49	52	67	63	67	√	--	--
N-4.53	--	5463 Halbrent Ave, Sherman Oaks, CA 91411	NB	1032+00	718.2	2.0	688	5	264.7	27.2	266.1	277.7	27.2	279.0	70	70	0	0	-5	-5	0	0			49	48	51	61	59	64	√	--	--
N-4.54	--	Best Western Plus Carriage Inn 5525 Sepulveda Blvd, Sherman Oaks, CA 91411	SB	1033+00	718.7	2.0	688	25	60.1	7.7	60.6	47.1	7.7	47.7	70	70	0	0	0	0	0	0			60	61	64	70	65	69	√	--	--
N-4.55	--	5510 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1033+50	719.0	2.0	688	28	57.7	5.0	57.9	70.7	5.0	70.8	70	70	0	0	0	0	0	0			62	62	65	71	66	70	√	--	--
N-4.56	--	Best Western Plus Carriage Inn 5525 Sepulveda Blvd, Sherman Oaks, CA 91411	SB	1035+00	719.8	2.0	688	5	60.1	28.8	66.6	47.1	28.8	55.2	70	70	0	0	0	0	0	0			55	60	61	70	65	69	√	--	--
N-4.57	--	Hampton Inn & Suites 5638 Sepulveda Blvd, Van Nuys, CA 91411	NB	1043+50	724.4	2.0	694	37	112.5	-4.6	112.6	125.5	-4.6	125.6	70	70	0	0	0	0	0	0			61	65	66	70	65	69	--	√	--
N-4.58	--	5700 Sepulveda Blvd, Van Nuys, CA 91411	NB	1046+50	725.3	2.0	696	55	61.3	-23.7	65.8	74.3	-23.7	78.0	70	68	0	0	0	0	0	0			68	69	72	70	65	69	--	--	√
N-4.59	--	5714 Halbrent Ave, Van Nuys, CA 91411	NB	1046+50	725.3	2.0	696	5	410.0	26.3	410.8	423.0	26.3	423.8	70	68	0	0	-5	-5	0	0			46	46	49	61	59	64	√	--	--
N-4.60	--	Cabana Motel 5764 Sepulveda Blvd, Van Nuys, CA 91411	NB	1051+00	737.1	2.0	698	5	68.4	36.1	77.3	81.4	36.1	89.0	70	63	0	0	0	0	0	0			58	53	59	70	65	69	√	--	--
N-4.61	--	5757 Halbrent Ave, Van Nuys, CA 91411	NB	1051+00	737.1	2.0	696	15	275.5	28.1	276.9	288.5	28.1	289.9	70	63	0	0	-5	-5	0	0			48	46	51	63	60	65	√	--	--
N-4.62	--	5802 Halbrent Ave, Van Nuys, CA 91411	NB	1052+50	741.6	2.0	696	5	410.0	42.6	412.2	423.0	42.6	425.1	70	60	0	0	0	0	0	0			51	48	53	63	60	65	√	--	--
1065+95	1068+75	**METRO G-LINE/SEPULVEDA STATION**																															
N-4.63	--	6200 Peach Ave, Van Nuys, CA 91411	SB	1079+00	753.6	2.0	712	5	269.5	38.6	272.2	256.5	38.6	259.4	51	64	0	0	-3	-3	0	0			45	49	51	57	57	62	√	--	--
N-4.64	55	6224 Peach Ave, Van Nuys, CA 91411	SB	1081+25	748.9	2.0	714	5	279.2	31.9	281.0	266.2	31.9	268.1	56	69	0	0	-3	-3	0	0			47	50	52	57	57	62	√	--	--
N-4.65	--	6258 Peach Ave, Van Nuys, CA 91411	SB	1084+50	744.8	2.0	716	5	272.2	25.8	273.4	259.2	25.8	260.4	61	70	0	0	-3	-3	0	0			49	51	53	57	57	62	√	--	--
N-4.66	--	6322 Peach Ave, Van Nuys, CA 91411	SB	1087+00	740.9	2.0	718	5	272.5	19.9	273.2	259.5	19.9	260.2	64	70	0	0	-3	-3	0	0			50	51	54	57	57	62	√	--	--
N-4.67	--	6360 Peach Ave, Van Nuys, CA 91411	SB	1090+50	749.7	2.0	722	5	268.3	24.7	269.4	255.3	24.7	256.5	66	70	0	0	-3	-3	0	0			50	51	53	57	57	62	√	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Airborne Noise Impact Assessment
Category 2 Sites (L_{dn})

Receiver ID	Noise Monitoring Location	Address	Near Track Direction	Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground	Receiver Distance to NB Track (ft)			Receiver Distance to SB Track (ft)			Train Speeds (mph)		Existing Soundwall Noise Reduction		Building Shielding Adjustment		Crossover Noise Adj		Wheel Squeal Noise Adjustment (dBA)		Calculated Rail L_{dn}, dBA			Existing L_{dn} (dBA)	Level of Noise Impact				
									Horiz	Vertical	Total	Horiz	Vertical	Total	NB Track	SB Track	NB	SB	NB	SB	NB	SB	NB	SB	NB Track	SB Track	Total Passbys		Impact L_{dn} (dBA) From	To	No Impact	Moderate Impact	Severe Impact
N-4.68	--	6200 Halbrent Ave, Van Nuys, CA 91411	NB	1079+00	753.6	2.0	712	5	380.0	38.6	381.9	393.0	38.6	394.8	51	64	0	0	-3	-3	0	0			46	48	50	57	57	62	√	--	--
N-4.69	--	Cinema Motel 6242 Sepulveda Blvd, Van Nuys, CA 91411	NB	1082+50	746.4	2.0	714	5	46.4	29.4	54.9	59.4	29.4	66.3	58	70	0	0	0	0	0	0			58	58	61	70	65	69	√	--	--
N-4.70	--	6236 Halbrent Ave, Van Nuys, CA 91411	NB	1082+50	746.4	2.0	714	5	382.4	29.4	383.5	395.4	29.4	396.5	58	70	0	0	-3	-3	0	0			47	48	51	57	57	62	√	--	--
N-4.71	--	6320 Halbrent Ave, Van Nuys, CA 91411	NB	1087+00	740.9	2.0	716	5	397.4	21.9	398.0	410.4	21.9	410.9	64	70	0	0	-3	-3	0	0			48	49	52	57	57	62	√	--	--
N-4.72	--	6338 Halbrent Ave, Van Nuys, CA 91411	NB	1089+25	748.8	2.0	718	5	376.9	27.8	377.9	389.9	27.8	390.9	66	70	0	0	-3	-3	0	0			48	49	51	57	57	62	√	--	--
N-4.73	--	15325 Victory Blvd, Van Nuys, CA 91406	SB	1092+50	751.1	2.0	722	5	269.6	26.1	270.9	256.6	26.1	258.0	67	70	0	0	-3	-3	0	0			49	44	50	61	59	64	√	--	--
N-4.74	--	6440 Peach Ave, Van Nuys, CA 91406	SB	1096+00	753.6	2.0	724	5	270.0	26.6	271.3	257.0	26.6	258.4	69	70	0	0	-5	-5	0	0			48	47	50	57	57	62	√	--	--
N-4.75	--	6456 Peach Ave, Van Nuys, CA 91406	SB	1097+50	754.7	2.0	725	5	270.0	26.7	271.3	257.0	26.7	258.4	70	70	0	0	-5	-5	0	0			48	47	50	57	57	62	√	--	--
N-4.76	--	15225 Victory Blvd, Van Nuys, CA 91411	NB	1092+50	751.1	2.0	722	15	330.5	16.1	330.9	343.5	16.1	343.9	67	70	0	0	-3	-3	0	0			49	51	53	59	58	63	√	--	--
N-4.77	--	15225 Roya St, Van Nuys, CA 91411	NB	1096+50	754.0	2.0	724	5	375.0	27.0	376.0	388.0	27.0	388.9	69	70	0	0	-5	-5	0	0			45	47	49	57	57	62	√	--	--
N-4.78	--	6500 Sepulveda Blvd, Van Nuys, CA 91411	NB	1100+75	757.1	2.0	726	55	61.0	-21.9	64.8	74.0	-21.9	77.2	70	70	0	0	0	0	0	0			69	69	72	70	65	69	--	--	√
N-4.79	--	6505 Columbus Ave, Van Nuys, CA 91411	NB	1100+75	757.1	2.0	726	15	335.0	18.1	335.5	348.0	18.1	348.5	70	70	0	0	-5	-5	0	0			47	48	51	57	57	62	√	--	--
N-4.80	--	Le Rendezvous Motel 6501 Sepulveda Blvd, Van Nuys, CA 91411	SB	1099+25	756.0	2.0	725	5	118.4	28.0	121.7	105.4	28.0	109.0	70	70	0	0	0	0	0	0			53	55	57	67	63	67	√	--	--
N-4.81	--	6502 Peach Ave, Van Nuys, CA 91406	SB	1099+25	756.0	2.0	726	5	270.0	27.0	271.3	257.0	27.0	258.4	70	70	0	0	-3	-3	0	0			50	49	52	57	57	62	√	--	--
N-4.82	--	6530 Sepulveda Blvd, Van Nuys, CA 91411	NB	1101+50	757.6	2.0	726	45	61.9	-11.4	63.0	74.9	-11.4	75.8	70	70	0	0	0	0	0	0			70	67	72	70	65	69	--	--	√
N-4.83	--	15226 Kittridge St, Van Nuys, CA 91405	NB	1104+00	759.4	2.0	728	5	338.5	28.4	339.7	351.5	28.4	352.7	70	70	0	0	-5	-5	0	0			46	47	49	57	57	62	√	--	--
N-4.84	56	6561 Sepulveda Blvd, Van Nuys, CA 91411	SB	1104+80	760.0	2.0	728	15	119.1	19.0	120.6	106.1	19.0	107.8	70	70	0	0	0	0	0	0			55	56	59	67	63	67	√	--	--
N-4.85	--	6600 Sepulveda Blvd, Van Nuys, CA 91411	NB	1105+50	760.5	2.0	732	5	68.4	25.5	73.0	81.4	25.5	85.3	70	70	0	0	0	0	0	0			56	54	58	67	63	67	√	--	--
N-4.86	--	6556 Peach Ave, Van Nuys, CA 91406	SB	1104+75	759.9	2.0	730	5	266.2	26.9	267.6	253.2	26.9	254.6	70	70	0	0	-5	-5	0	0			48	47	50	57	57	62	√	--	--
N-4.87	--	6666 Sepulveda Blvd, Van Nuys, CA 91411	NB	1110+50	764.1	2.0	734	15	64.5	17.1	66.7	77.5	17.1	79.3	70	70	0	0	0	0	0	0			58	56	60	70	65	69	√	--	--
N-4.88	--	6655 Sepulveda Blvd, Van Nuys, CA 91411	SB	1110+50	764.1	2.0	732	15	120.0	19.1	121.5	107.0	19.1	108.7	70	70	0	0	0	0	0	0			55	56	59	67	63	67	√	--	--
N-4.89	--	6656 Peach Ave, Van Nuys, CA 91406	SB	1110+75	764.3	2.0	733	5	270.0	28.3	271.5	257.0	28.3	258.5	70	70	0	0	-5	-5	0	0			47	47	50	57	57	62	√	--	--
N-4.90	--	Beverly Manor Convalescent Center 6700 Sepulveda Blvd, Van Nuys, CA 91411	NB	1112+00	765.2	2.0	736	5	63.0	26.2	68.2	76.0	26.2	80.4	70	70	0	0	0	0	0	0			56	54	58	70	65	69	√	--	--
N-4.91	--	15307 Lemay St, Van Nuys, CA 91411	SB	1112+00	765.2	2.0	734	25	63.0	8.2	63.5	50.0	8.2	50.7	70	70	0	0	0	0	0	0			60	61	63	70	65	69	√	--	--
N-4.92	--	15321 Lemay St, Van Nuys, CA 91406	SB	1112+50	765.5	2.0	734	5	240.0	28.5	241.7	227.0	28.5	228.8	70	70	0	0	-5	-5	0	0			48	47	50	59	58	63	√	--	--
N-4.93	--	15332 Archwood St, Van Nuys, CA 91406	SB	1113+50	766.2	2.0	736	5	340.0	27.2	341.1	327.0	27.2	328.1	70	70	0	0	-7	-7	0	0			46	45	48	57	57	62	√	--	--
N-4.94	--	15306 Archwood St, Van Nuys, CA 91411	SB	1114+25	766.8	2.0	734	25	62.5	9.8	63.3	49.5	9.8	50.5	70	70	0	0	0	0	0	0			59	60	63	70	65	69	√	--	--
N-4.95	--	15340 Vanowen St, Van Nuys, CA 91406	SB	1117+25	768.9	2.0	738	25	347.0	7.9	347.1	334.0	7.9	334.1	70	68	0	0	0	0	0	0			55	52	57	67	63	67	√	--	--
N-4.96	--	15323 Vanowen St, Van Nuys, CA 91406	SB	1119+50	770.6	2.0	738	15	277.0	19.6	277.7	264.0	19.6	264.7	70	66	0	0	-3	-3	0	0			51	49	53	67	63	67	√	--	--
N-4.97	--	15343 Vanowen St, Van Nuys, CA 91406	SB	1119+50	770.6	2.0	738	15	345.0	19.6	345.6	332.0	19.6	332.6	70	66	0	0	-5	-5	0	0			49	47	51	67	63	67	√	--	--
N-4.98	--	Valley Presbyterian Hospital 6850 Sepulveda Blvd, Van Nuys, CA 91405	NB	1122+50	772.7	2.0	744	15	160.0	15.7	160.8	173.0	15.7	173.7	70	63	0	0	0	0	0	0			55	55	58	66	62	67	√	--	--
N-4.99	--	6841 Sepulveda Blvd, Van Nuys, CA 91411	SB	1122+50	772.7	2.0	741	25	75.0	8.7	75.5	62.0	8.7	62.6	70	63	0	0	0	0	0	0			59	59	62	70	65	69	√	--	--
N-4.100	--	6842 Peach Ave, Van Nuys, CA 91406	SB	1122+50	772.7	2.0	741	5	340.0	28.7	341.2	327.0	28.7	328.3	70	63	0	0	-5	-5	0	0			47	45	49	59	58	63	√	--	--
N-4.101	--	6903 Halbrent Ave, Van Nuys, CA 91405	NB	1125+25	774.7	2.0	744	5	317.0	27.7	318.2	330.0	27.7	331.2	70	60	0	0	-3	-3	0	0			48	48	51	59	58	63	√	--	--
N-4.102	59	6920 Sepulveda Blvd, Van Nuys, CA 91405	NB	1125+37	774.8	2.0	744	15	90.0	17.8	91.7	103.0	17.8	104.5	70	59	0	0	0	0	0	0			57	54	59	66	62	67	√	--	--
N-4.103	--	15330 Hart St, Van Nuys, CA 91406	SB	1130+50	778.5	2.0	748	5	340.0	27.5	341.1	327.0	27.5	328.2	64	52	0	0	-5	-5	0	0			46	43	48	59	58	63	√	--	--
N-4.104	--	Townhouse Motel 6957 Sepulveda Blvd, Van Nuys, CA 91411	SB	1130+50	778.5	2.0	748	15	82.5	17.5	84.3	69.5	17.5	71.7	64	52	0	0	0	0	0	0			55	55	58	70	65	69	√	--	--
N-4.105	--	7010 Sepulveda Blvd, Van Nuys, CA 91411	NB	1132+00	779.6	2.0	748	25	70.0	8.6	70.5	83.0	8.6	83.4	60	49	0	0	0	0	0	0			59	56	61	67	63	67	√	--	--
N-4.106	--	7007 Sepulveda Blvd, Van Nuys, CA 91411	SB	1132+50	779.9	2.0	750	15	67.0	16.9	69.1	54.0	16.9	56.6	58	48	0	0	0	0	0	0			54	55	57	70	65	69	√	--	--
N-4.107	--	7025 Sepulveda Blvd, Van Nuys, CA 91411	SB	1133+50	780.6	2.0	750	15	80.0	17.6	81.9	67.0	17.6	69.3	56	46	0	0	0	0	0	0			53	54	57	70	65	69	√	--	--
N-4.108	--	15230 Vose St, Van Nuys, CA 91405	NB	1133+50	780.6	2.0	750	5	335.0	27.6	336.1	348.0	27.6	349.1	56	46	0	0	-3	-3	0	0			46	45	49	57	57	62	√	--	--
N-4.109	--	7026 Sepulveda Blvd, Van Nuys, CA 91405	NB	1134+00	781.0	2.0	750	15	59.5	18.0	62.2	72.5	18.0	74.7	55	44	0	0	0	0	0	0			55	51	57	70	65	69	√	--	--
N-4.110	--	15320 Vose St, Van Nuys, CA 91406	SB	1133+90	780.9	2.0	750	15	239.0	17.9	239.7	226.0	17.9	226.7	55	44	0	0	-5	-5	0	0			47	45	49	57	57	62	√	--	--
N-4.111	--	15328 Vose St, Van Nuys, CA 91406	SB	1133+90	780.9	2.0	750	5	305.0	27.9	306.3	292.0	27.9	293.3	55	44	0	0	-5	-5	0	0			45	43	47	57	57	62	√	--	--
N-4.112	--	Hyland Inn Van Nuys 7041 Sepulveda Blvd, Van Nuys, CA 91405	SB	1135+00	781.7	2.0	752	5	78.0	26.7	82.4	65.0	26.7	70.3	51	42	0	0	0	0	5	5			56	56	59	70	65	69	√	--	--
N-4.113	--	7055 Sepulveda Blvd, Van Nuys, CA 91405	SB	1136+50	782.8	2.0	752	15	78.0	17.8	80.0	65.0	17.8	67.4	47	37	0	0	0	0	5	5			57	57	60	70	65	69	√	--	--
N-4.114	--	15329 Vose St, Van Nuys, CA 91406	SB	1136+50	782.8	2.0	752	25	300.0	7.8	300.1	287.0	7.8	287.1	47	37	0	0	-5	-5	0	5			47	48	51	57	57	62	√	--	--
N-4.115	--	15314 Gault St, Van Nuys, CA 91406	SB	1137+40	783.4	2.0	754	15	170.0	16.4	170.8	157.0	16.4	157.9	44	34	0	0	0	0	5	5			57	54	58	66	62	67	√	--	--
1140+95	1143+75	**SEPULVEDA/ SHERMAN WAY STATION**																															
N-4.116	--	15246 Cantlay St, Van Nuys, CA 91405	NB	1146+75	790.2	2.0	761	5	190.0	26.2	191.8	203.0	26.2	204.7	30	42	0	0	-3	-3	0	0			43	46	48	60	58	63	√	--	--
N-4.117	--	15236 Cantlay St, Van Nuys, CA 91405	NB	1146+75	790.2	2.0	762	5	275.0	25.2	276.1	288.0	25.2	289.1	30	42	0	0	-5	-5	0	0			40	44	45	57	57	62	√	--	--
N-4.118	--	15255 Cantlay St, Van Nuys, CA 91405	NB	1148+50	791.4	2.0	762	15	95.0	16.4	96.4	108.0	16.4	109.2	37	48	0	0	-3	-3	0	0			48	50	52	64	61	65	√	--	--
N-4.119	--	15247 Cantlay St, Van Nuys, CA 91405	NB	1148+50	791.4	2.0	762	5	192.0	26.4	193.8	205.0	26.4	206.7	37	48	0	0	-5	-5	0	0			43	45	47	60	58	63	√	--	--
N-4.120	--	15239 Cantlay St, Van Nuys, CA 91405	NB	1148+50	791.4	2.0	762	5	278.0	26.4	279.3	291.0	26.4	292.2	37	48	0	0	-7	-7	0	0			40	43	45	57	57	62	√	--	--
N-4.121	--	15336 Wyandotte St, Van Nuys, CA 91406	SB	1148+50	791.4	2.0	762	5	350.0	26.4	351.0	337.0	26.4	338.0	37	48	0	0	0	0	0	0			47	48	50	57	57	62	√	--	--
N-4.122	--	15246 Wyandotte St, Van Nuys, CA 91406	NB	1150+50	792.9	2.0	763	5	185.0	26.9	186.9	198.0	26.9	199.8	41	54	0	0	-3	-3	0	0			46	48	50	60	58	63	√	--	--
N-4.123	--	15236 Wyandotte St, Van Nuys, CA 91406	NB	1150+50	792.9	2.0	763	5	277.0	26.9	278.3	290.0	26.9	291.2	41	54	0	0	-5	-5	0	0			43	46	48	57	57	62	√	--	--
N-4.124	63	15235 Wyandotte St, Van Nuys, CA 91405	NB	1151+50	793.6	2.0	764	5	228.0	26.6	229.5	241.0	26.6	242.5	44	57	0	0	-3	-3	0	0			46	48	50	60	58	63	√	--	--
N-4.125	--	7317 Sepulveda Blvd, Van Nuys, CA 91405	SB	1153+00	794.7	2.0	766	35	62.0	-4.3	62.2	49.0	-4.3	49.2	47	61	0	0	0	0	0	0			67	67	70	70	65	69	--	--	√
N-4.126	--	15330 Leadwell St, Van Nuys, CA 91406	SB	1153+50	795.0	2.0	765	5	380.0	27.0	381.0	367.0	27.0	368.0	48	62	0	0	-5	-5	0	0			44	45	47	57	57	62	√	--	--
N-4.127	--	15230 Leadwell St, Van Nuys, CA 91405	NB	1153+50	795.0	2.0	766	5	325.0	26.0	326.0	338.0	26.0	339.0	48	62	0	0	-7	-7	0	0			41	45	46	57	57	62	√	--	--
N-4.128	--	15226 Valerio St, Van Nuys, CA 91405	NB	1157+00	797.6	2.0	768	5	290.0	26.6	291.2	303.0	26.6	304.2	53	70	0	0	-5	-5	0	0			44	47	49	57	57	62	√	--	--
N-4.129	--	7371 Sepulveda Blvd, Van Nuys, CA 91405	SB	1157+00	797.6	2.0	766	15	85.0	18.6	87.0	72.0	18.6	74.4	53	70	0	0	0	0	0	0			54	55	58	70	65	69	√	--	--
N-4.130	--	15332 Valerio St, Van Nuys, CA 91406	SB	1157+00	797.6	2.0	768	5	370.0	26.6	371.0	357.0	26.6	358.0	53	70	0	0	-5	-5	0	0			43	39	45	57	57	62	√	--	--
N-4.131	--	7400 Sepulveda Blvd, Van Nuys, CA 91405	NB	1159+50	799.4	2.0	768	45	108.5	-11.6	109.1	121.5	-11.6	122.1	56	70	0	0	0	0	0	0			62	66	68	67	63	67	--	--	√
N-4.132	--	7425 Sepulveda Blvd, Van Nuys, CA 91405	SB	1161+00	800.4	2.0	768	25	65.0	9.4	65.7	52.0	9.4	52.8	58	70	0	0	0	0	0	0			57	60	62	70	65	69	√	--	--
N-4.133	--	7433 Zombar Ave, Van Nuys, CA 91406	SB	1161+25	800.6	2.0	768	5	380.0	29.6	381.2	367.0	29.6	368.2	58	70	0	0	-5	-5	0	0			44	39	45	57	57	62	√	--	--
N-4.134	--	15235 Runnymede St, Van Nuys, CA 91405	NB	1161+50	800.8	2.0	768	5	265.0	29.8	266.7	278.0	29.8	279.6	58	70	0	0	-5	-5	0	0			45	47	49	57	57	62	√	--	--
N-4.135	--	7440 Sepulveda Blvd, Van Nuys, CA 91405	NB	1162+00	801.2	2.0	770	45	110.0	-11.8	110.6	123.0	-11.8	123.6	59	70	0	0	0	0	0	0			62	66	68	67	63	67	--	--	√

Sepulveda Transit Corridor
STCP Alternative 4
Airborne Noise Impact Assessment
Category 2 Sites (L_{dn})

Receiver ID	Noise Monitoring Location	Address	Near Track Direction	Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground	Receiver Distance to NB Track (ft)			Receiver Distance to SB Track (ft)			Train Speeds (mph)		Existing Soundwall Noise Reduction		Building Shielding Adjustment		Crossover Noise Adj		Wheel Squeal Noise Adjustment (dBA)		Calculated Rail L_{dn}, dBA			Existing L_{dn} (dBA)	Level of Noise Impact				
									Horiz	Vertical	Total	Horiz	Vertical	Total	NB Track	SB Track	NB	SB	NB	SB	NB	SB	NB	SB	NB Track	SB Track	Total Passbys		Impact L_{dn} (dBA) From	To	No Impact	Moderate Impact	Severe Impact
N-4.136	--	15236 Cohasett St, Van Nuys, CA 91405	NB	1163+75	802.4	2.0	770	5	250.0	29.4	251.7	263.0	29.4	264.6	60	69	0	0	-5	-5	0	0			46	47	49	57	57	62	√	--	--
N-4.137	--	15330 Cohasett St, Van Nuys, CA 91406	SB	1163+50	802.2	2.0	770	5	375.0	29.2	376.1	362.0	29.2	363.2	60	69	0	0	-5	-5	0	0			44	39	45	57	57	62	√	--	--
N-4.138	--	15243 Cohasett St, Van Nuys, CA 91405	NB	1164+75	803.1	2.0	770	5	177.0	30.1	179.5	190.0	30.1	192.4	61	68	0	0	-5	-5	0	0			47	47	50	57	57	62	√	--	--
N-4.139	--	15237 Cohasett St, Van Nuys, CA 91405	NB	1165+50	803.7	2.0	772	5	232.0	28.7	233.8	245.0	28.7	246.7	62	67	0	0	-7	-7	0	0			45	46	48	57	57	62	√	--	--
N-4.140	--	15226 Covello St, Van Nuys, CA 91405	NB	1167+00	804.8	2.0	772	5	338.0	29.8	339.3	351.0	29.8	352.3	63	66	0	0	-7	-7	0	0			43	45	47	57	57	62	√	--	--
N-4.141	--	7525 Sepulveda Blvd, Van Nuys, CA 91405	SB	1167+00	804.8	2.0	772	15	61.0	19.8	64.1	48.0	19.8	51.9	63	66	0	0	0	0	0	0			56	57	59	67	63	67	√	--	--
N-4.142	--	7527 Zombar Ave, Van Nuys, CA 91406	SB	1167+00	804.8	2.0	772	5	372.0	29.8	373.2	359.0	29.8	360.2	63	66	0	0	-5	-5	0	0			44	39	46	57	57	62	√	--	--
N-4.143	--	15243 Covello St, Van Nuys, CA 91405	NB	1168+50	805.8	2.0	774	5	180.0	28.8	182.3	193.0	28.8	195.1	64	65	0	0	-5	-5	0	0			47	47	50	60	58	63	√	--	--
N-4.144	--	15227 Covello St, Van Nuys, CA 91405	NB	1168+50	805.8	2.0	774	5	340.0	28.8	341.2	353.0	28.8	354.2	64	65	0	0	-7	-7	0	0			44	45	47	57	57	62	√	--	--
N-4.145	--	7550 Zombar Ave, Van Nuys, CA 91406	SB	1170+00	806.9	2.0	774	15	185.0	19.9	186.1	172.0	19.9	173.1	65	63	0	0	0	0	0	0			54	48	55	57	57	62	√	--	--
N-4.146	--	7551 Zombar Ave, Van Nuys, CA 91406	SB	1170+00	806.9	2.0	773	5	380.0	30.9	381.3	367.0	30.9	368.3	65	63	0	0	-7	-7	0	0			43	37	44	57	57	62	√	--	--
N-4.147	--	7603 Patriot Way, Van Nuys, CA 91405	NB	1171+50	808.0	2.0	776	15	340.0	19.0	340.5	353.0	19.0	353.5	66	61	0	0	-7	-7	0	0			45	46	48	57	57	62	√	--	--
N-4.148	--	7621 Patriot Way, Van Nuys, CA 91405	NB	1174+00	809.8	2.0	778	15	340.0	18.8	340.5	353.0	18.8	353.5	67	58	0	0	-7	-7	0	0			45	45	48	57	57	62	√	--	--
N-4.149	--	La Posada Motel 7615 Sepulveda Blvd, Van Nuys, CA 91405	SB	1172+75	808.9	2.0	776	5	60.0	29.9	67.0	47.0	29.9	55.7	66	60	0	0	0	0	0	0			55	55	58	67	63	67	√	--	--
N-4.150	--	7657 Sepulveda Blvd, Van Nuys, CA 91405	SB	1176+50	811.6	2.0	778	15	58.0	20.6	61.5	45.0	20.6	49.5	66	55	0	0	0	0	0	0			55	55	58	67	63	67	√	--	--
N-4.151	--	15331 Keswick St, Van Nuys, CA 91406	SB	1178+00	812.7	2.0	780	5	350.0	29.7	351.3	337.0	29.7	338.3	63	52	0	0	0	0	0	0			51	48	53	58	57	62	√	--	--
N-4.152	--	15330 Stagg St, Van Nuys, CA 91406	SB	1183+50	816.6	2.0	782	5	348.0	31.6	349.4	335.0	31.6	336.5	48	40	0	0	-5	-5	0	0			43	41	45	58	57	62	√	--	--
N-4.153	--	15329 Stagg St, Van Nuys, CA 91406	SB	1184+50	817.4	2.0	784	5	272.0	30.4	273.7	259.0	30.4	260.8	43	35	0	0	-5	-5	0	0			43	41	45	58	57	62	√	--	--
N-4.154	--	7802 Zombar Ave, Van Nuys, CA 91406	SB	1184+50	817.4	2.0	784	5	350.0	30.4	351.3	337.0	30.4	338.4	43	35	0	0	-5	-5	0	0			42	40	44	58	57	62	√	--	--
N-4.155	67	7824 Zombar Ave, Van Nuys, CA 91406	SB	1186+80	819.0	2.0	785	5	340.0	31.0	341.4	327.0	31.0	328.5	35	25	0	0	-5	-5	0	0	10	10	51	47	52	58	57	62	√	--	--
N-4.156	--	15242 Marson St, Panorama City, CA 91402	SB	1194+36	824.1	2.0	791	5	415.7	30.1	416.8	402.7	30.1	403.8	25	25	0	0	-3	-3	0	0	10	10	49	48	52	60	58	63	√	--	--
N-4.157		15200 Marson St, Panorama City, CA 91402	SB	1196+83	823.5	2.0	792	5	298.0	28.5	299.4	285.0	28.5	286.4	25	25	0	0	-3	-3	0	0	10	10	50	50	53	60	58	63	√	--	--
N-4.158	--	15100 Marson St, Panorama City, CA 91402	SB	1202+05	822.0	2.0	792	5	294.0	27.0	295.2	281.0	27.0	282.3	25	33	0	0	-3	-3	0	0	10	10	51	52	54	60	58	63	√	--	--
N-4.159	66	15018 Marson St, Panorama City, CA 91402	SB	1206+85	820.8	2.0	792	5	296.0	25.8	297.1	283.0	25.8	284.2	40	51	0	0	-5	-5	0	0	10	10	53	54	57	60	58	63	√	--	--
N-4.160	--	14940 Marson St, Panorama City, CA 91402	SB	1212+76	819.3	2.0	790	5	285.0	26.3	286.2	272.0	26.3	273.3	53	66	0	0	-5	-5	0	0			45	46	49	60	58	63	√	--	--
N-4.161	--	7907 Brimfield Ave, Panorama City, CA 91402	SB	1214+72	818.8	2.0	790	5	351.6	25.8	352.5	338.6	25.8	339.6	56	67	0	0	-5	-5	0	0			45	46	49	60	58	63	√	--	--

Reference Source Data

Reference Distance (ft)	50.0
Reference Speed (mph)	50.0
Single Car SEL (dBA)	80.0
Multiple Car Consist	3
Multiple Car SEL (dBA)	84.8
Adj. for Aerial Structure with Slab Track (dBA)	+4.0

Alternative 4 Operations

Service Hours		Number of Trains[1,2] (each direction)
Start	End	
4:30	5:00	5
5:00	6:00	17
6:00	7:00	24
7:00	8:00	24
8:00	9:00	21
9:00	10:00	16
10:00	11:00	15
11:00	12:00	15
12:00	13:00	15
13:00	14:00	15
14:00	15:00	15
15:00	16:00	24
16:00	17:00	24
17:00	18:00	24
18:00	19:00	15
19:00	20:00	15
20:00	21:00	10
21:00	22:00	10
22:00	23:00	10
23:00	0:00	9
0:00	4:30	8

Sources:
a. *STCP – Operational Information for Environmental Review* , Feb 12, 2024 & Feb 23, 2024
b. CDRL D2.3.final, *Draft Operational Basis of Design Report* (WBS HRT.PH2.3.final), Revision: 000, October 21, 2022. (Table 2)
1. Developed from Table 4 of a: Service Periods and Headways on Week Days for Alternatives 4 & 5 and Table 2 of b.
2. Forecast assumes 3-car consists for all operating hours (per source b above).

Sepulveda Transit Corridor
STCP Alternative 4
Airborne Noise Impact Assessment
Category 3 Sites (L_{eq})

Receiver	Noise Monitoring Location	Address	Near Track Direction	Station	Track Elevation ASL (ft)	Source Height Above Track (ft)	Ground Elevation @ Receiver ASL (ft)	Receiver Height Above Ground	Receiver Distance to NB Track (ft)			Receiver Distance to SB Track (ft)			Train Speeds (mph)		Source-Receiver Path Adjustments: Existing Soundwall Noise Reduction		Source-Receiver Path Adjustments: Building Shielding Adjustment		Source-Receiver Path Adjustments: Crossover Noise Adj		Calculated L_{eq}, dBA			Existing L_{eq} (dBA)	Level of Noise Impact				
									Horiz	Vertical	Total	Horiz	Vertical	Total	NB Track	SB Track	NB	SB	NB	SB	NB	SB	NB Track Contribution	SB Track Contribution	Total Passbys		Impact L_{eq} (dBA) From	To	No Impact	Moderate Impact	Severe Impact
NS-4.1	--	Kingdom Hall of Jehovah's Witnesses 5460 Sepulveda Blvd, Sherman Oaks, CA 91411	NB	1031+50	717.9	2.0	688	5	148.6	26.9	151.0	161.6	26.9	163.8	70	70	0	0	0	0	0	0	52	51	54	68	63	68	√	--	--
1065+95	1068+75	**METRO G-LINE/SEPULVEDA STATION**																													
NS-4.2	54	Contractors State License Schools 6222 Sepulveda Blvd, Van Nuys, CA 91411	NB	1080+50	751.0	2.0	713	5	54.4	35.0	64.6	67.4	35.0	75.9	54	67	0	0	0	0	0	0	51	52	54	70	65	69	√	--	--
1140+95	1143+75	**SEPULVEDA/ SHERMAN WAY STATION**																													
NS-4.3	--	US Census Library 15350 Sherman Way, Van Nuys, CA 91406	SB	1142+00	786.8	2.0	758	35	246.0	-4.2	246.0	233.0	-4.2	233.0	24	20	0	0	0	0	0	0	48	43	49	65	61	66	√	--	--

Attachment 10. Alternative 4: Off-Road Construction Equipment Noise Levels

Sepulveda Transit Corridor
Alternative 4
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Launch Box SOE	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Launch Box Excavation	Cranes	2	83	20%	79	87
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Launch Box Concrete Work	Cranes	2	83	20%	79	86
	Generator Sets	2	82	50%	82	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-TBM Mobilization	Cranes	4	83	20%	82	86
	Generator Sets	2	82	40%	81	
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-TBM Tunneling/Precast Liners	Aerial Lifts	2	77	40%	76	84
	Cranes	2	83	20%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Invert Fill	Aerial Lifts	1	77	40%	73	81
	Air Compressors	1	80	50%	77	
	Rollers	1	85	20%	78	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Invert Slabs, Walkways, Plenum	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	2	85	40%	84	
Segment 3-Aerial Guideway (North Portal to MSF)-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 3-Aerial Guideway (North Portal to MSF)-Foundation (CIDH)	Aerial Lifts	4	77	40%	79	94
	Bore/Drill Rigs	4	90	40%	92	
	Cranes	4	83	20%	82	
	Pumps	4	77	50%	80	
	Rollers	4	85	20%	84	
	Rough Terrain Forklifts	4	80	40%	82	
Segment 3-Aerial Guideway (North Portal to MSF)-Columns	Aerial Lifts	4	77	40%	79	87
	Cranes	4	83	20%	82	
	Pumps	4	77	50%	80	
	Rough Terrain Forklifts	4	80	40%	82	
Segment 3-Aerial Guideway (North Portal to MSF)-Bent Caps	Aerial Lifts	4	77	40%	79	87
	Cranes	4	83	20%	82	
	Pumps	4	77	50%	80	
	Rough Terrain Forklifts	4	80	40%	82	
Segment 3-Aerial Guideway (North Portal to MSF)-Assemble Gantry	Aerial Lifts	4	77	40%	79	85
	Cranes	4	83	20%	82	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 3-Aerial Guideway (North Portal to MSF)-Segmental Girders	Aerial Lifts	2	77	40%	76	87
	Cranes	4	83	20%	82	
	Excavators	2	85	40%	84	
	Other Construction Equipment	2	80	40%	79	
Segment 3-Aerial Guideway (North Portal to MSF)-Demob Gantry	Aerial Lifts	4	77	40%	79	85
	Cranes	4	83	20%	82	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 3-Aerial Guideway (North Portal to MSF)-Guideway Trackwork	Aerial Lifts	2	77	40%	76	87
	Air Compressors	4	80	50%	83	
	Generator Sets	2	82	40%	81	
	Skid Steer Loaders	2	80	40%	79	
	Welders	3	73	40%	74	
Segment 3-Aerial Guideway (North Portal to MSF)-Systems Installation	Air Compressors	2	80	50%	80	85
	Generator Sets	2	82	40%	81	
	Cranes	2	83	20%	79	
	Welders	3	73	40%	74	
Segment 3-Aerial Guideway (North Portal to MSF)-Paving	Pavers	2	85	40%	84	88
	Paving Equipment	2	85	40%	84	
	Rollers	2	85	20%	81	
VTA Station Staging Area-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
VTA Station Staging Area-Laydown Activity	Cranes	1	83	20%	76	82
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	1	80	40%	76	
	Tractors/Loaders/Backhoes	1	80	40%	76	
	Welders	1	73	40%	69	
Metro E Line Stn_U-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt4-Support of Excavation	Bore/Drill Rigs	2	84	40%	83	87
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt4-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt4-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	80
	Generator Sets	1	82	40%	78	
Metro E Line Stn_U-Alt4-Station Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt4-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
Metro E Line Stn_U-Alt4-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
Santa Monica Stn_U-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	

Sepulveda Transit Corridor
Alternative 4
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

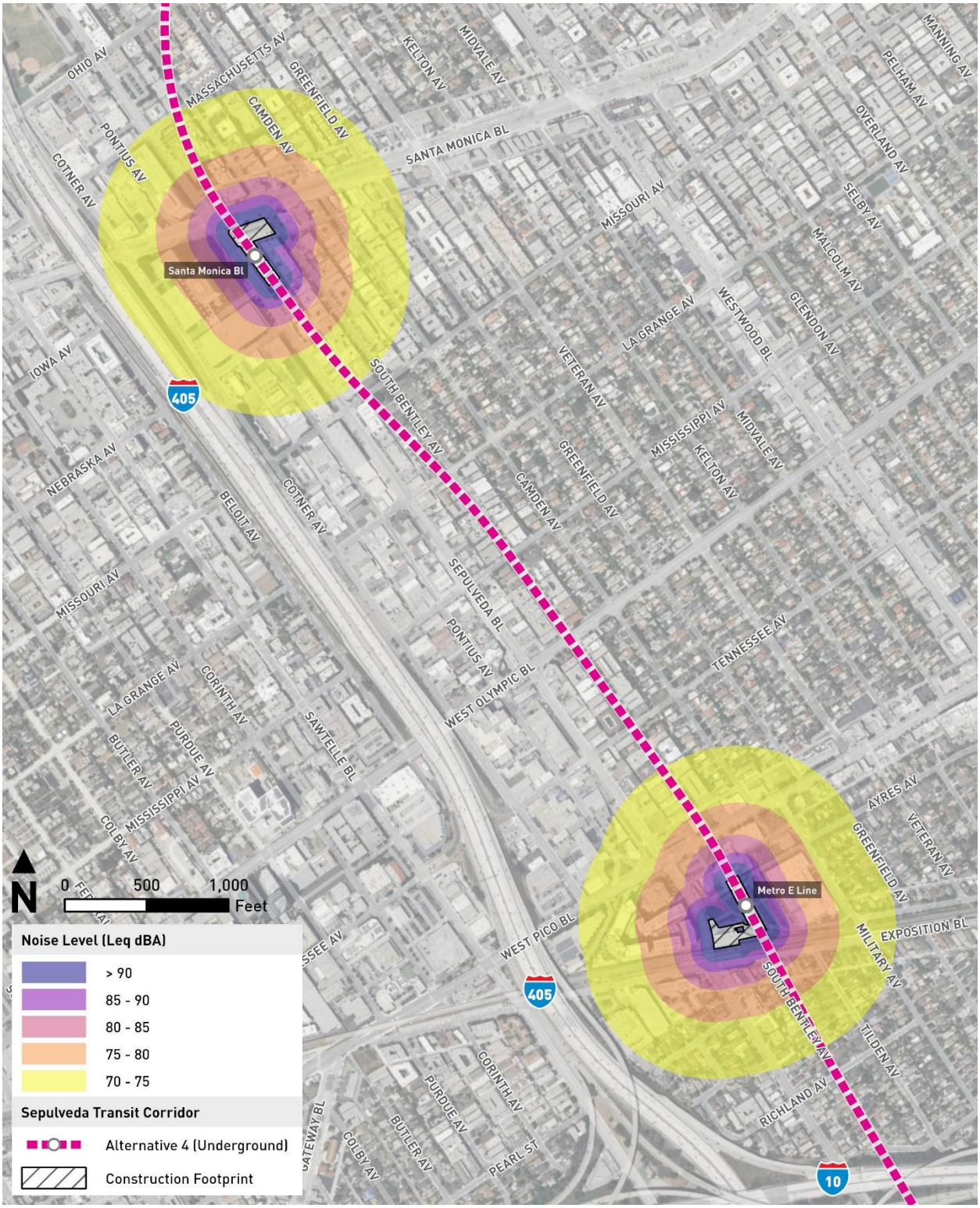
Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Santa Monica Stn_U-Alt4-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Santa Monica Stn_U-Alt4-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Santa Monica Stn_U-Alt4-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	80
	Generator Sets	1	82	40%	78	
Santa Monica Stn_U-Alt4-Station Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Santa Monica Stn_U-Alt4-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
D Line Wilshire-Westwood Stn_U-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt4-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt4-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt4-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	87
	Generator Sets	1	82	40%	78	
	Aerial Lifts	2	77	40%	76	
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
D Line Wilshire-Westwood Stn_U-Alt4-Station Structural Concrete	Skid Steer Loaders	2	80	40%	79	82
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt4-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
UCLA Stn_U-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt4-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt4-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt4-Structural Concrete Part 1	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt4-Structural Concrete Part 2 (Post 2 TBM Walk-Thru)	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt4-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
Ventura Blvd Stn_A-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Ventura Blvd Stn_A-Alt4-Foundations and Columns	Bore/Drill Rigs	2	90	40%	89	91
	Cranes	3	83	20%	81	
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Ventura Blvd Stn_A-Alt4-Bent Cap Installation	Aerial Lifts	4	77	40%	79	86
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Ventura Blvd Stn_A-Alt4-Girder Installation/Station Fit Out	Aerial Lifts	4	77	40%	79	88
	Air Compressors	4	80	50%	83	
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Ventura Blvd Stn_A-Alt4-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
Sepulveda-Metro G Line Stn_A-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sepulveda-Metro G Line Stn_A-Alt4-Foundations and Columns	Bore/Drill Rigs	2	90	40%	89	91
	Cranes	3	83	20%	81	
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sepulveda-Metro G Line Stn_A-Alt4-Bent Cap Installation	Aerial Lifts	4	77	40%	79	86
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	

Sepulveda Transit Corridor
Alternative 4
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Sepulveda-Metro G Line Stn_A-Alt4-Girder Installation/Station Fit Out	Aerial Lifts	4	77	40%	79	88
	Air Compressors	4	80	50%	83	
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Sherman Way Stn_A-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sherman Way Stn_A-Alt4-Foundations and Columns	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sherman Way Stn_A-Alt4-Bent Cap Installation	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sherman Way Stn_A-Alt4-Girder Installation/Station Fit Out	Aerial Lifts	4	77	40%	79	88
	Air Compressors	4	80	50%	83	
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Sherman Way Stn_A-Alt4-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
Metrolink Van Nuys Stn_A-Alt4-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metrolink Van Nuys Stn_A-Alt4-Foundations and Columns	Bore/Drill Rigs	2	90	40%	89	91
	Cranes	3	83	20%	81	
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metrolink Van Nuys Stn_A-Alt4-Bent Cap Installation	Aerial Lifts	4	77	40%	79	86
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Metrolink Van Nuys Stn_A-Alt4-Girder Installation/Station Fit Out	Aerial Lifts	4	77	40%	79	88
	Air Compressors	4	80	50%	83	
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Metrolink Van Nuys Stn_A-Alt4-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
TPSS 11-Sta 1260-Site Preparation-Traction Power Utils	Trenchers	1	80	20%	73	80
	Skid Steer Loaders	1	80	40%	76	
	Tractors/Loaders/Backhoes	1	80	40%	76	

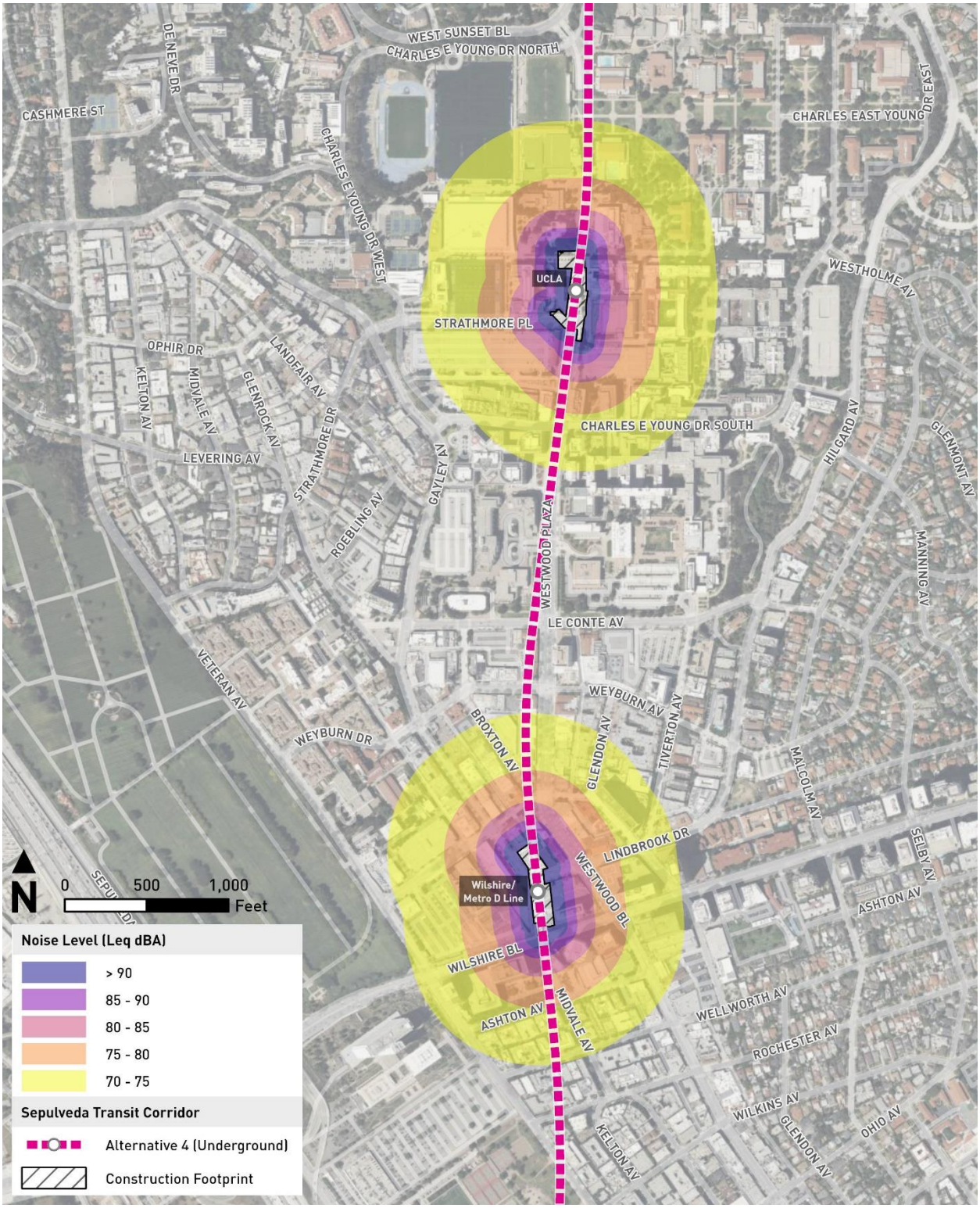
Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
TPSS 11-Sta 1260-Grounding-Foundations	Cranes	1	83	20%	76	80
	Pumps	1	77	50%	74	
	Tractors/Loaders/Backhoes	1	80	40%	76	
TPSS 11-Sta 1260-TPSS Installation	Aerial Lifts	1	77	40%	73	80
	Cranes	1	83	20%	76	
	Rough Terrain Forklifts	1	80	40%	76	
	Welders	1	73	40%	69	
TPSS 11-Sta 1260-Site Restoration	Air Compressors	1	80	50%	77	82
	Generator Sets	1	82	40%	78	
	Skid Steer Loaders	1	80	40%	76	
MSF-Demolition	Concrete/Industrial Saws	1	90	20%	83	89
	Excavators	3	85	40%	86	
	Rubber Tired Dozers	2	85	40%	84	
MSF-Site Preparation	Rubber Tired Dozers	3	85	40%	86	87
	Tractors/Loaders/Backhoes	4	80	40%	82	
MSF-Grading	Excavators	2	85	40%	84	89
	Graders	1	85	40%	81	
	Rubber Tired Dozers	1	85	40%	81	
	Scrapers	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
MSF-Building Construction	Cranes	1	83	20%	76	84
	Forklifts	3	75	40%	76	
	Generator Sets	1	82	40%	78	
	Tractors/Loaders/Backhoes	3	80	40%	81	
	Welders	1	73	40%	69	
MSF-Paving	Pavers	2	85	40%	84	88
	Paving Equipment	2	85	40%	84	
	Rollers	2	85	20%	81	
MSF-Archictectural Coating	Air Compressors	1	80	50%	77	77
MSF-Test Track	Aerial Lifts	2	77	40%	76	81
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Precast Yard-Alt 4 Concrete Activity	Cranes	2	83	20%	79	89
	Cement and Mortar Mixers	2	85	40%	84	
	Generator Sets	2	82	40%	81	
	Other General Industrial Equipment	1	80	40%	76	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
NCZ Staging Area-Staging Activity	Cranes	1	83	20%	76	85
	Rough Terrain Forklifts	2	80	40%	79	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
SCZ Staging Area-Staging Activity	Cranes	1	83	20%	76	85
	Rough Terrain Forklifts	2	80	40%	79	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	

Figure J-1. Alternative 4: Construction Equipment Noise Contours – View 1



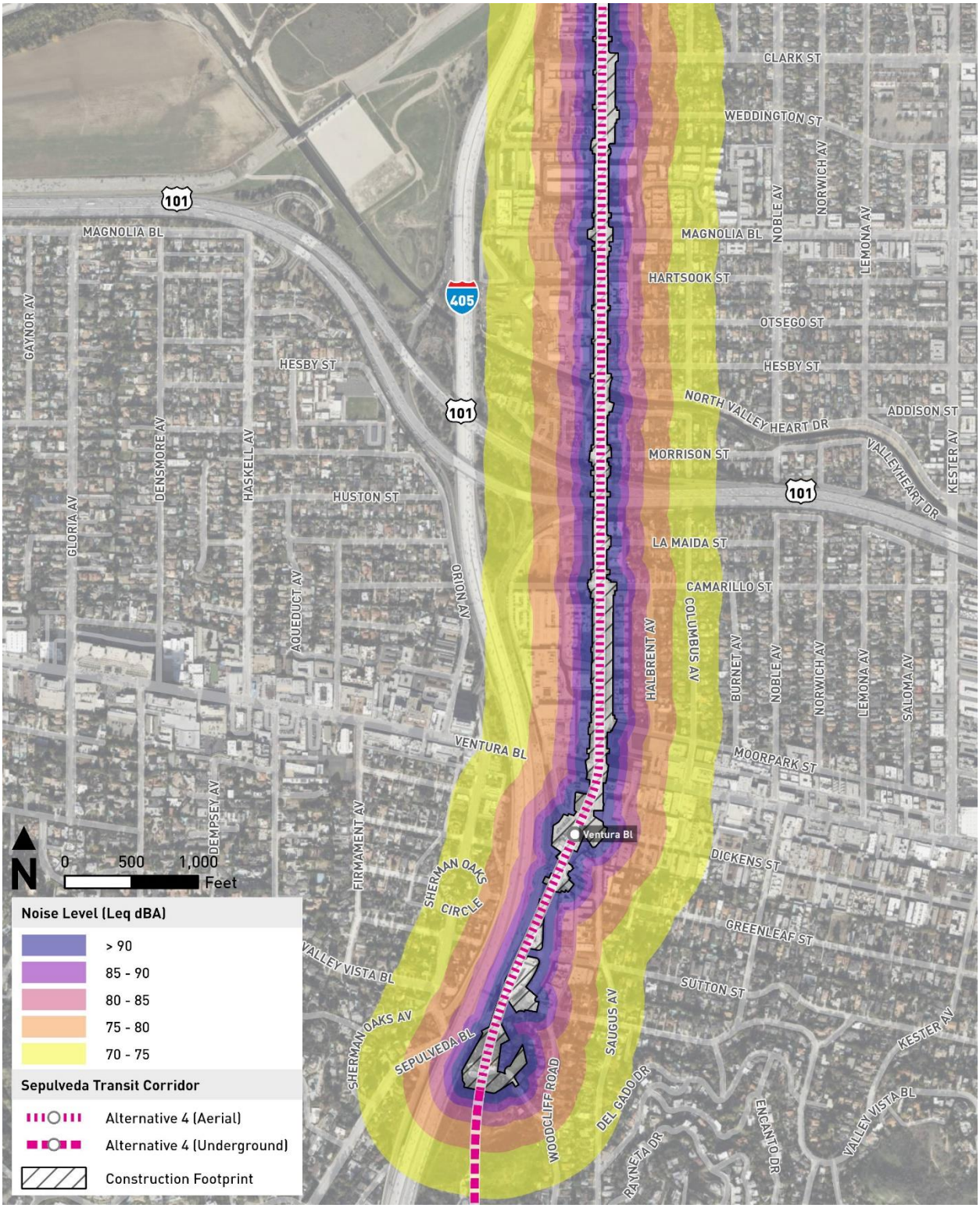
Source: HTA, 2024

Figure J-2. Alternative 4: Construction Equipment Noise Contours – View 2



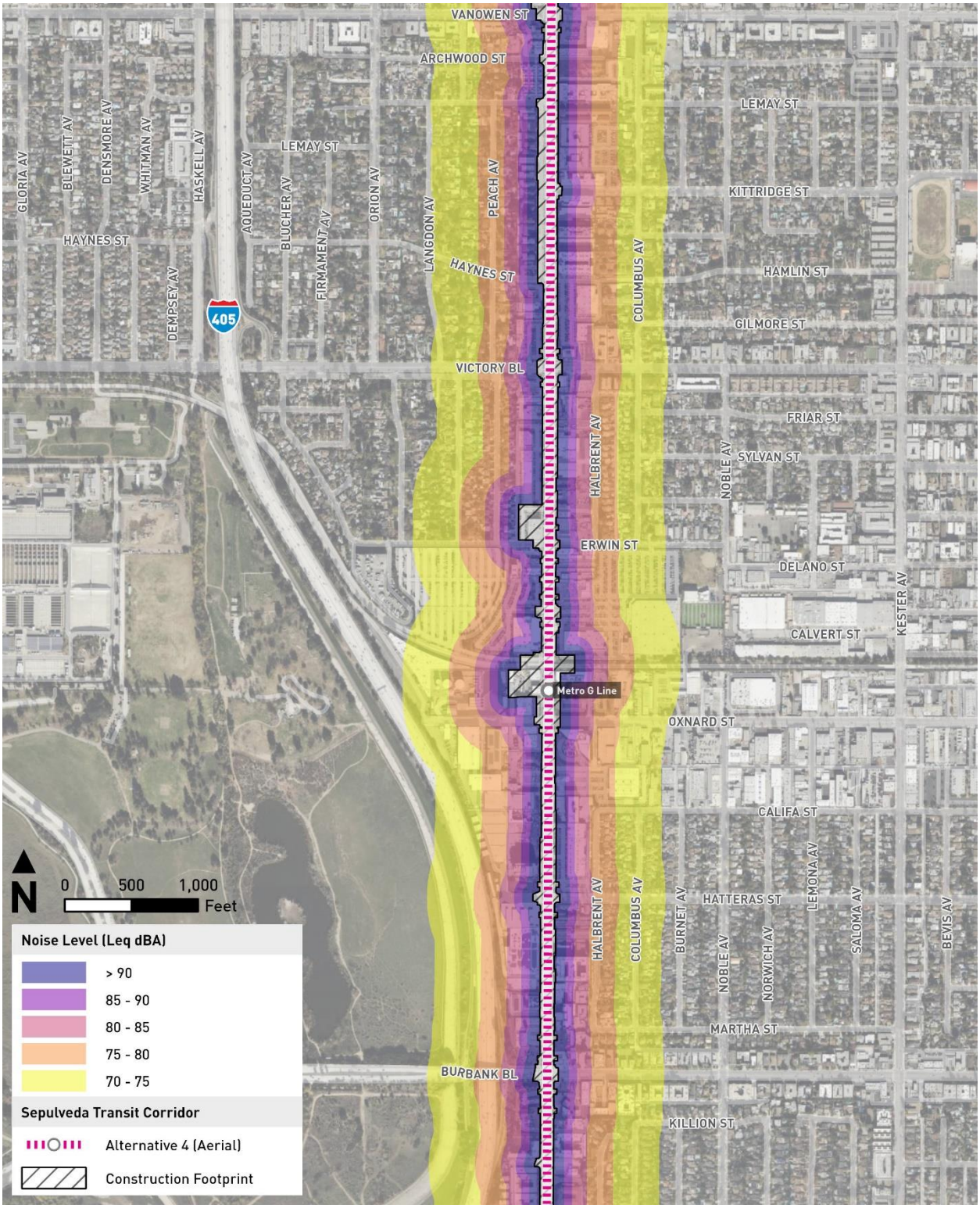
Source: HTA, 2024

Figure J-3. Alternative 4: Construction Equipment Noise Contours – View 3



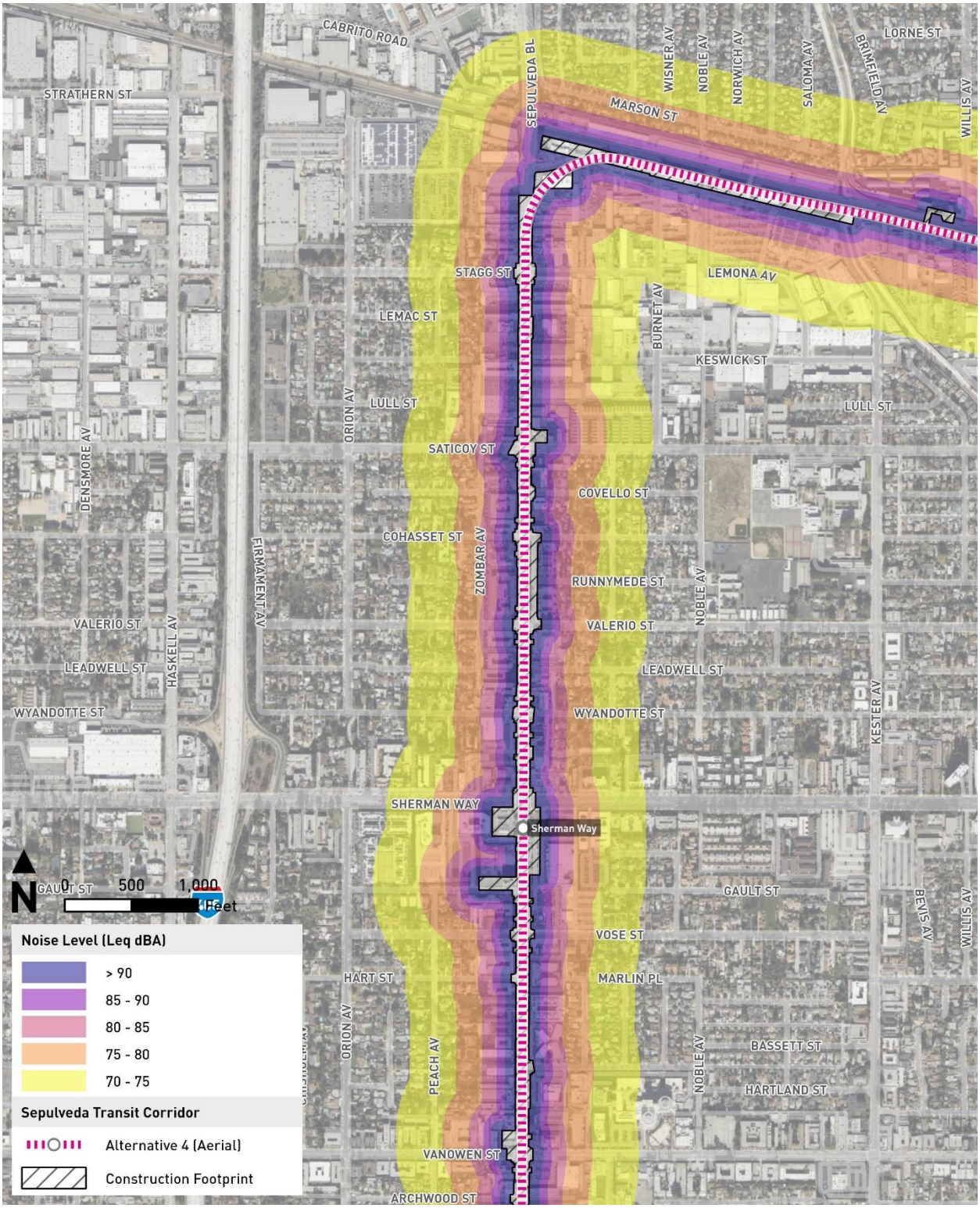
Source: HTA, 2024

Figure J-4. Alternative 4: Construction Equipment Noise Contours – View 4



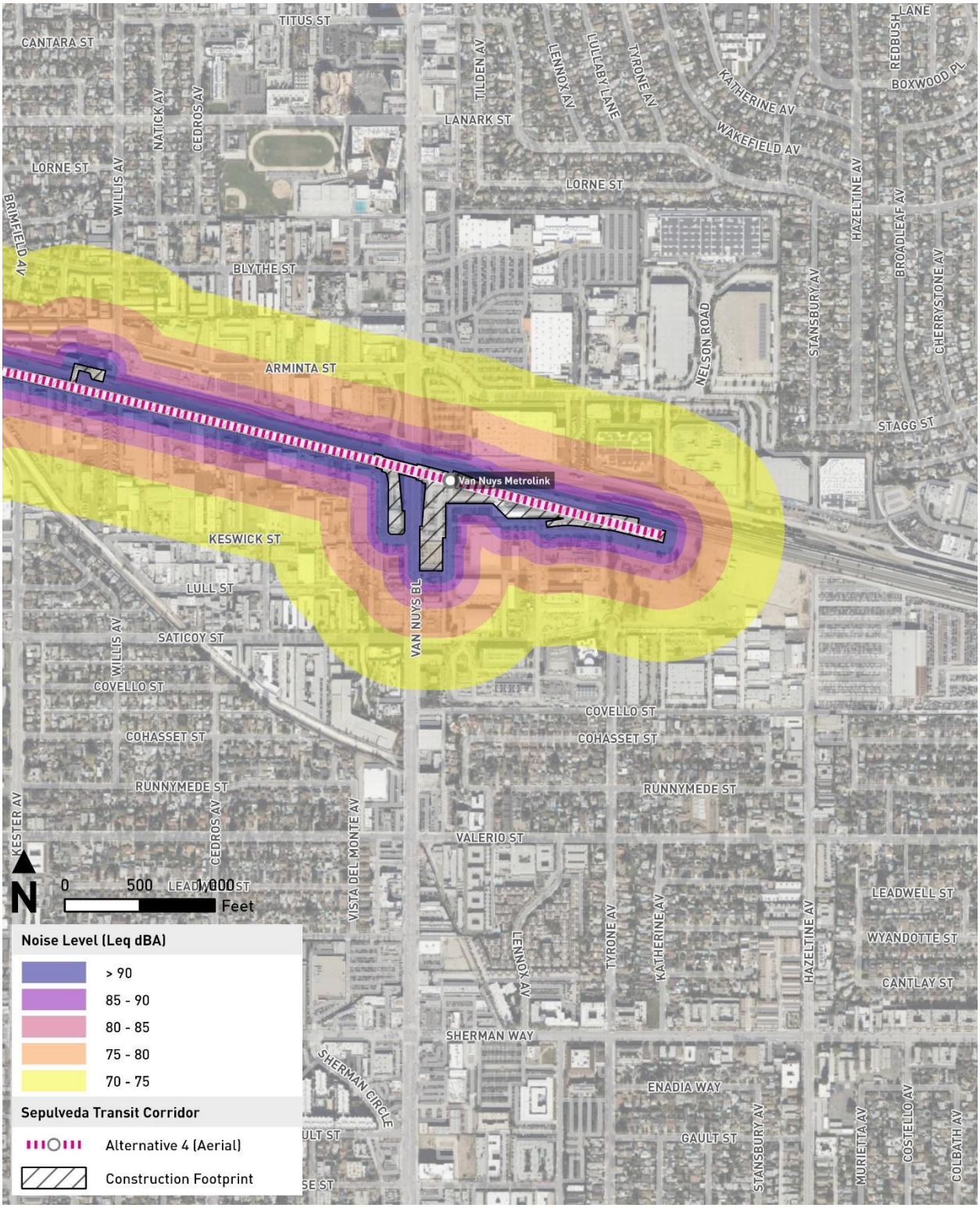
Source: HTA, 2024

Figure J-5. Alternative 4: Construction Equipment Noise Contours – View 5



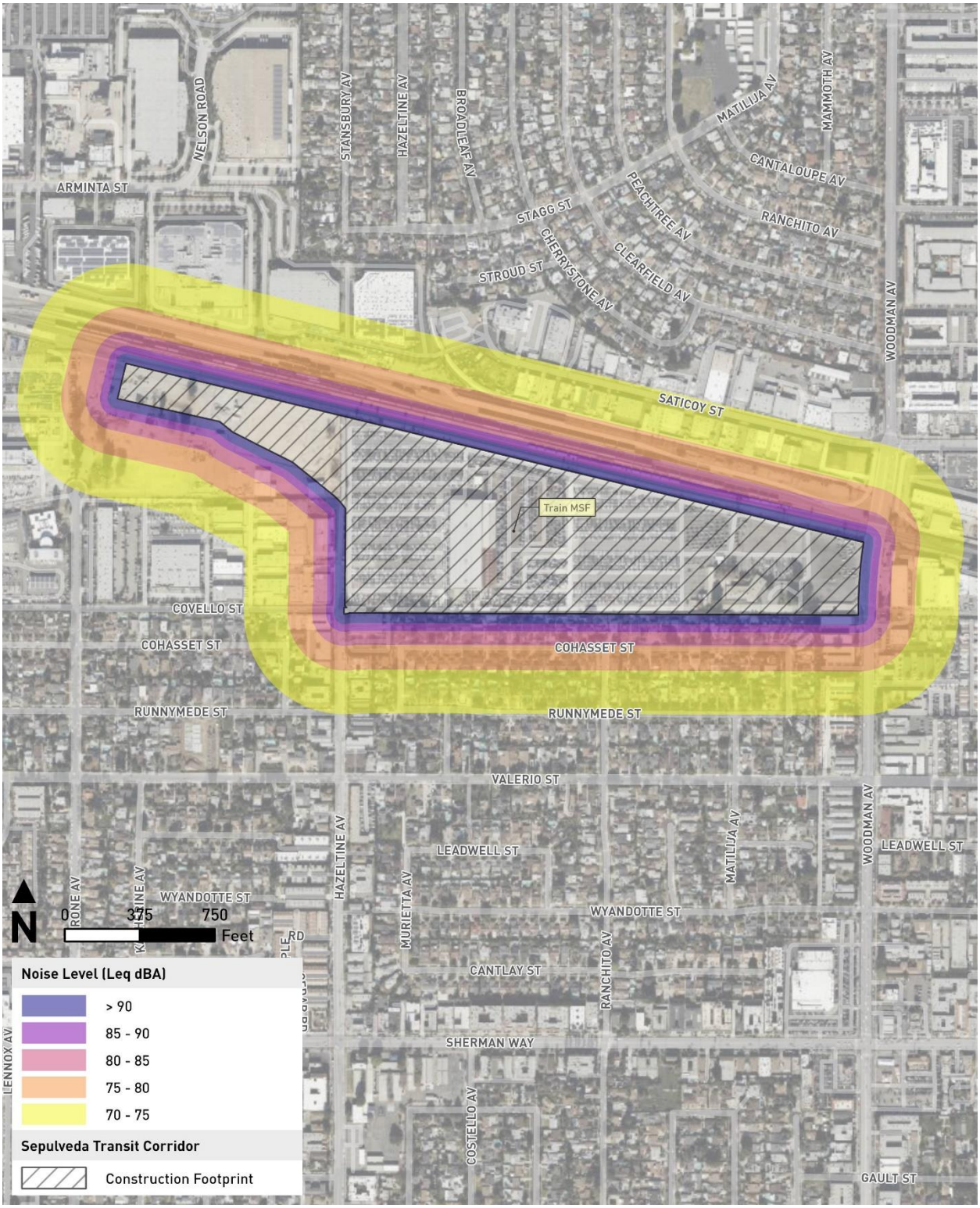
Source: HTA, 2024

Figure J-6. Alternative 4: Construction Equipment Noise Contours – View 6



Source: HTA, 2024

Figure J-7. Alternative 4: Construction Equipment Noise Contours – Proposed MSF



Source: HTA, 2024

Attachment 11. Alternative 4: Groundborne Vibration and Noise Impact Assessment

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-1	NB	476+16	11120 National Blvd, Los Angeles, CA 90064	National Blvd to I-10	MFR	2	192	10				53	72	No	18	35	No	--	--	--	--	--
V-4-2	SB	477+11	Westside Dental Associates 2990 S Sepulveda Blvd, Los Angeles, CA 90064		Medical Bldg	3	96	10				55	75	No	20	40	No	--	--	--	--	--
V-4-3	NB	479+03	2937 S Bentley Ave, Los Angeles, CA 90064		SFR	2	118	10				55	72	No	20	35	No	--	--	--	--	--
V-4-4	NB	479+44	2931 S Bentley Ave, Los Angeles, CA 90064		SFR	2	101	10				55	72	No	20	35	No	--	--	--	--	--
V-4-5	NB	480+07	2925 S Bentley Ave, Los Angeles, CA 90064		SFR	2	111	10				55	72	No	20	35	No	--	--	--	--	--
V-4-6	SB	479+70	Maple Tree Academy, West LA Campus 2920 S Sepulveda Blvd, Los Angeles, CA 90064		Institutional/ Day Care	3	120	10				55	75	No	20	40	No	--	--	--	--	--
V-4-7	NB	480+35	2919 S Bentley Ave, Los Angeles, CA 90064		SFR	2	88	10				56	72	No	21	35	No	--	--	--	--	--
V-4-8	NB	481+02	2916 S Bentley Ave, Los Angeles, CA 90064		SFR	2	206	10				53	72	No	18	35	No	--	--	--	--	--
V-4-9	NB	480+86	2913 S Bentley Ave, Los Angeles, CA 90064		SFR	2	94	10				56	72	No	21	35	No	--	--	--	--	--
V-4-10	SB	481+23	2900 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	82	10				56	72	No	21	35	No	--	--	--	--	--
V-4-11	NB	481+66	2907 S Bentley Ave, Los Angeles, CA 90064		SFR	2	85	10				56	72	No	21	35	No	--	--	--	--	--
V-4-12	NB	482+31	2901 S Bentley Ave, Los Angeles, CA 90064		SFR	2	91	10				56	72	No	21	35	No	--	--	--	--	--
V-4-13	SB	482+43	2850 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	85	10				56	72	No	21	35	No	--	--	--	--	--
V-4-14	NB	482+67	2845 S Bentley Ave, Los Angeles, CA 90064		SFR	2	84	10				56	72	No	21	35	No	--	--	--	--	--
V-4-15	SB	482+84	2840 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	85	10				56	72	No	21	35	No	--	--	--	--	--
V-4-16	NB	483+08	2844 S Bentley Ave, Los Angeles, CA 90064		SFR	2	184	10				53	72	No	18	35	No	--	--	--	--	--
V-4-17	NB	483+32	2841 S Bentley Ave, Los Angeles, CA 90064		SFR	2	82	10				56	72	No	21	35	No	--	--	--	--	--
V-4-18	SB	483+36	2830 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	87	10				56	72	No	21	35	No	--	--	--	--	--
V-4-19	NB	483+85	2835 S Bentley Ave, Los Angeles, CA 90064		SFR	2	83	10				56	72	No	21	35	No	--	--	--	--	--
V-4-20	NB	484+35	2829 S Bentley Ave, Los Angeles, CA 90064		SFR	2	82	10				56	72	No	21	35	No	--	--	--	--	--
V-4-21	SB	484+37	2820 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	88	10				56	72	No	21	35	No	--	--	--	--	--
V-4-22	NB	484+79	2823 S Bentley Ave, Los Angeles, CA 90064		SFR	2	80	10				56	72	No	21	35	No	--	--	--	--	--
V-4-23	NB	484+55	2828 S Bentley Ave, Los Angeles, CA 90064		SFR	2	174	10				53	72	No	18	35	No	--	--	--	--	--
V-4-24	NB	485+03	2817 S Bentley Ave, Los Angeles, CA 90064		SFR	2	80	10				56	72	No	21	35	No	--	--	--	--	--
V-4-25	SB	485+36	2812 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	104	10				55	72	No	20	35	No	--	--	--	--	--
V-4-26	NB	485+87	2813 S Bentley Ave, Los Angeles, CA 90064		SFR	2	79	10				56	72	No	21	35	No	--	--	--	--	--
V-4-27	NB	486+01	2810 S Bentley Ave, Los Angeles, CA 90064		SFR	2	147	10				54	72	No	19	35	No	--	--	--	--	--
V-4-28	SB	485+89	2810 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	92	10				56	72	No	21	35	No	--	--	--	--	--
V-4-29	NB	486+25	2809 S Bentley Ave, Los Angeles, CA 90064		SFR	2	79	10				56	72	No	21	35	No	--	--	--	--	--
V-4-30	NB	486+43	2808 S Bentley Ave, Los Angeles, CA 90064		SFR	2	141	10				54	72	No	19	35	No	--	--	--	--	--
V-4-31	NB	486+60	2805 S Bentley Ave, Los Angeles, CA 90064		MFR	2	78	10				56	72	No	21	35	No	--	--	--	--	--
V-4-32	NB	486+86	2800 S Bentley Ave, Los Angeles, CA 90064		SFR	2	138	10				54	72	No	19	35	No	--	--	--	--	--
V-4-33	SB	487+31	2756 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	100	10				55	72	No	20	35	No	--	--	--	--	--
V-4-34	SB, NB	487+50	2761 S Bentley Ave, Los Angeles, CA 90064		SFR	2	77	10				56	72	No	21	35	No	--	--	--	--	--
V-4-35	SB, NB	488+00	2755 S Bentley Ave, Los Angeles, CA 90064		SFR	2	76	10				56	72	No	21	35	No	--	--	--	--	--
V-4-36	SB, NB	488+35	2753 S Bentley Ave, Los Angeles, CA 90064		SFR	2	76	10				56	72	No	21	35	No	--	--	--	--	--
V-4-37	NB	487+64	2760 S Bentley Ave, Los Angeles, CA 90064		SFR	2	127	10				54	72	No	19	35	No	--	--	--	--	--
V-4-38	NB	488+26	2756 S Bentley Ave, Los Angeles, CA 90064		SFR	2	127	10				54	72	No	19	35	No	--	--	--	--	--
V-4-39	SB	488+47	2746 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	106	10				55	72	No	20	35	No	--	--	--	--	--
V-4-40	SB, NB	488+67	2749 S Bentley Ave, Los Angeles, CA 90064		SFR	2	75	10				56	72	No	21	35	No	--	--	--	--	--
V-4-41	NB	488+62	2753 Tilden Ave, Los Angeles, CA 90064		SFR	2	219	10				52	72	No	17	35	No	--	--	--	--	--
V-4-42	NB	488+83	2750 S Bentley Ave, Los Angeles, CA 90064		SFR	2	128	10				54	72	No	19	35	No	--	--	--	--	--
V-4-43	SB	488+84	2742 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	129	10				54	72	No	19	35	No	--	--	--	--	--
V-4-44	SB, NB	489+20	2745 S Bentley Ave, Los Angeles, CA 90064		SFR	2	75	10				56	72	No	21	35	No	--	--	--	--	--
V-4-45	SB	489+39	2738 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	136	10				54	72	No	19	35	No	--	--	--	--	--
V-4-46	SB, NB	489+50	2741 S Bentley Ave, Los Angeles, CA 90064		SFR	2	75	10				56	72	No	21	35	No	--	--	--	--	--
V-4-47	NB	489+54	2744 S Bentley Ave, Los Angeles, CA 90064		MFR	2	138	10				54	72	No	19	35	No	--	--	--	--	--
V-4-48	NB	494+78	2653 Tilden Ave, Los Angeles, CA 90064	I-10 to Exposition Blvd	SFR	2	212	10				53	72	No	18	35	No	--	--	--	--	--
V-4-49	SB	495+50	2647 S Bentley Ave, Los Angeles, CA 90064		SFR	2	70	10				57	72	No	22	35	No	--	--	--	--	--
V-4-50	SB	495+68	2642 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	132	10				54	72	No	19	35	No	--	--	--	--	--
V-4-51	NB	495+01	11111 Brookhaven Ave, Los Angeles, CA 90064		SFR	2	110	10				55	72	No	20	35	No	--	--	--	--	--
V-4-52	NB	495+69	2646 S Bentley Ave, Los Angeles, CA 90064		SFR	2	101	10				55	72	No	20	35	No	--	--	--	--	--
V-4-53	NB	497+38	2626 S Bentley Ave, Los Angeles, CA 90064		SFR	2	92	10				56	72	No	21	35	No	--	--	--	--	--
V-4-54	NB	497+49	2627 Tilden Ave, Los Angeles, CA 90064		SFR	2	202	10				53	72	No	18	35	No	--	--	--	--	--
V-4-55	NB	497+84	2622 S Bentley Ave, Los Angeles, CA 90064		SFR	2	87	10				56	72	No	21	35	No	--	--	--	--	--
V-4-56	SB	497+84	2625 S Bentley Ave, Los Angeles, CA 90064		SFR	2	71	10				57	72	No	22	35	No	--	--	--	--	--
V-4-57	SB	498+00	2620 S Sepulveda Blvd, Los Angeles, CA 90064		SFR	2	169	10				53	72	No	18	35	No	--	--	--	--	--
V-4-58	NB	500+10	2605 Tilden Ave, Los Angeles, CA 90064		SFR	2	209	10				53	72	No	18	35	No	--	--	--	--	--
V-4-59	SB	499+78	2605 S Bentley Ave, Los Angeles, CA 90064		SFR	2	72	10				56	72	No	21	35	No	--	--	--	--	--
V-4-60	NB	499+96	2604 S Bentley Ave, Los Angeles, CA 90064		SFR	2	86	10				56	72	No	21	35	No	--	--	--	--	--
V-4-61	SB	499+85	2600 S Sepulveda Blvd, Los Angeles, CA 90064		SFR	2	176	10				53	72	No	18	35	No	--	--	--	--	--
V-4-62	SB	500+92	2575 S Bentley Ave, Los Angeles, CA 90064		SFR	2	79	10				56	72	No	21	35	No	--	--	--	--	--
V-4-63	SB	500+95	11165 Richland Ave, Los Angeles, CA 90064		MFR	2	144	10				54	72	No	19	35	No	--	--	--	--	--
V-4-64	NB	501+17	2578 S Bentley Ave, Los Angeles, CA 90064		SFR	2	79	10				56	72	No	21	35	No	--	--	--	--	--
V-4-65	NB	501+15	2561 Tilden Ave, Los Angeles, CA 90064		SFR	2	198	10				53	72	No	18	35	No	--	--	--	--	--
V-4-66	SB	503+46	2564 S Sepulveda Blvd, Los Angeles, CA 90064		SFR	2	170	10				53	72	No	18	35	No	--	--	--	--	--
V-4-67	NB	503+35	2550 S Bentley Ave, Los Angeles, CA 90064		SFR	2	74	10				56	72	No	21	35	No	--	--	--	--	--
V-4-68	SB	503+54	2551 S Bentley Ave, Los Angeles, CA 90064		SFR	2	87	10				56	72	No	21	35	No	--	--	--	--	--
V-4-69	NB	504+33	2535 Tilden Ave, Los Angeles, CA 90064		SFR	2	174	10				53	72	No	18	35	No	--	--	--	--	--
V-4-70	SB	505+98	Best Western Royal Palace Inn & Suites 2528 S Sepulveda Blvd, Los Angeles, CA 90064		Hotel	2	203	10				53	72	No	18	35	No	--	--	--	--	--
V-4-71	NB	506+57	2522 S Bentley Ave, Los Angeles, CA 90064		SFR	2	68	10	Y			67	72	No	32	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-72	SB	507+26	2517 S Bentley Ave, Los Angeles, CA 90064		SFR	2	108	10	Y			65	72	No	30	35	No	--	--	--	--	--
V-4-73	SB, NB	507+50	11142 Exposition Blvd, Los Angeles, CA 90064		SFR	2	67	10	Y			67	72	No	32	35	No	--	--	--	--	--
V-4-74	NB	507+52	11100 Exposition Blvd, Los Angeles, CA 90064		SFR	2	184	10		Y		58	72	No	23	35	No	--	--	--	--	--
V-4-75	SB	507+82	11162 Exposition Blvd, Los Angeles, CA 90064		MFR	2	165	10		Y		58	72	No	23	35	No	--	--	--	--	--
V-4-76	SB	507+93	11150 Exposition Blvd, Los Angeles, CA 90064		SFR	2	103	10		Y		60	72	No	25	35	No	--	--	--	--	--
V-4-77	NB	508+00	11122 Exposition Blvd, Los Angeles, CA 90064		SFR	2	69	10	Y			67	72	No	32	35	No	--	--	--	--	--
	510+65	513+45	**METRO E-LINE/SEPULVEDA STATION**																			
V-4-78	SB	513+31	National Genetics Institute 2440 S Sepulveda Blvd, Los Angeles, CA 90064		Research Laboratory	1	227	28			Y	56	65	No	21	25	No	--	--	--	--	--
V-4-79	SB	518+74	2361 Camden Ave, Los Angeles, CA 90064		SFR	2	183	45				66	72	No	31	35	No	--	--	--	--	--
V-4-80	SB	518+89	2355 S Bentley Ave, Los Angeles, CA 90064		MFR	2	79	45				69	72	No	34	35	No	--	--	--	--	--
V-4-81	NB	520+00	2360 S Bentley Ave, Los Angeles, CA 90064		MFR	2	89	41		Y		73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	33	None
V-4-82	SB	520+00	2345 S Bentley Ave, Los Angeles, CA 90064		MFR	2	78	45		Y		74	72	**Yes**	39	35	**Yes**	High-resilient Fasteners	69	None	19	None
V-4-83	SB	520+66	VCA Animal Medical Center 2340 S Sepulveda Blvd, Los Angeles, CA 90064		Animal Hospital	1	160	45		Y		72	65	**Yes**	37	25	**Yes**	Floating Slab	57	None	7	None
V-4-84	NB	521+48	2332 S Bentley Ave, Los Angeles, CA 90064		MFR	2	91	44	Y			78	72	**Yes**	43	35	**Yes**	Resiliently Supported Ties	68	None	18	None
V-4-85	SB	521+48	2329 S Bentley Ave, Los Angeles, CA 90064		MFR	2	77	45	Y			79	72	**Yes**	44	35	**Yes**	Resiliently Supported Ties	69	None	19	None
V-4-86	NB	524+40	2300 S Bentley Ave, Los Angeles, CA 90064		SFR	2	93	45		Y		74	72	**Yes**	39	35	**Yes**	High-resilient Fasteners	69	None	19	None
V-4-87	NB	524+51	2303 Camden Ave, Los Angeles, CA 90064		SFR	2	214	45				66	72	No	31	35	No	--	--	--	--	--
V-4-88	SB	524+73	11064 Tennessee Ave, Los Angeles, CA 90064	**Metro E-Line/Sepulveda Station to Olympic Blvd**	MFR	2	76	53	Y			81	72	**Yes**	46	35	**Yes**	Resiliently Supported Ties	71	None	21	None
V-4-89	SB	525+54	2251 S Bentley Ave, Los Angeles, CA 90064		MFR	2	78	55	Y			81	72	**Yes**	46	35	**Yes**	Resiliently Supported Ties	71	None	21	None
V-4-90	NB	525+64	2255 Camden Ave, Los Angeles, CA 90064		SFR	2	181	46		Y		71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-91	NB	525+80	11045 Tennessee Ave, Los Angeles, CA 90064		MFR	2	89	47		Y		74	72	**Yes**	39	35	**Yes**	High-resilient Fasteners	69	None	19	None
V-4-92	NB	528+03	2231 Camden Ave, Los Angeles, CA 90064		SFR	2	189	49				67	72	No	32	35	No	--	--	--	--	--
V-4-93	NB	530+64	2207 Camden Ave, Los Angeles, CA 90064		SFR	2	210	52				67	72	No	32	35	No	--	--	--	--	--
V-4-94	NB	528+34	2216 S Bentley Ave, Los Angeles, CA 90064		MFR	2	88	50				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-95	SB	528+97	2223 S Bentley Ave, Los Angeles, CA 90064		MFR	2	74	64				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-96	SB	530+80	2201 S Bentley Ave, Los Angeles, CA 90064		--	--	79	68				73	--	No	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-97	NB	531+00	11048 W Olympic Blvd, Los Angeles, CA 90064		MFR	2	89	53				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-98	NB	532+50	2146 S Bentley Ave, Los Angeles, CA 90025		MFR	2	84	54				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-99	SB	532+69	2149 S Bentley Ave, Los Angeles, CA 90025		MFR	2	72	70				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-100	NB	532+64	2149 Camden Ave, Los Angeles, CA 90025		SFR	2	184	54				68	72	No	33	35	No	--	--	--	--	--
V-4-101	SB	534+00	2133 S Bentley Ave, Los Angeles, CA 90025		MFR	2	73	70				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-102	NB	535+30	2121 Camden Ave, Los Angeles, CA 90025		SFR	2	178	57				68	72	No	33	35	No	--	--	--	--	--
V-4-103	SB	537+00	2105 S Bentley Ave, Los Angeles, CA 90025		MFR	2	72	70				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-104	NB	536+98	2106 S Bentley Ave, Los Angeles, CA 90025		MFR	2	85	58				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-105	NB	537+22	2101 Camden Ave, Los Angeles, CA 90025		SFR	2	211	58				68	72	No	33	35	No	--	--	--	--	--
V-4-106	SB	538+89	2051 S Bentley Ave, Los Angeles, CA 90025		MFR	2	72	68				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-107	NB	538+13	2050 S Bentley Ave, Los Angeles, CA 90025		MFR	2	86	59				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-108	NB	538+24	2053 Camden Ave, Los Angeles, CA 90025		SFR	2	230	59				68	72	No	33	35	No	--	--	--	--	--
V-4-109	NB	540+08	2036 S Bentley Ave, Los Angeles, CA 90025		MFR	2	95	60				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-110	NB	541+35	2031 S Bentley Ave, Los Angeles, CA 90025		MFR	2	68	60				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-111	SB	540+93	2028 S Bentley Ave, Los Angeles, CA 90025		MFR	2	93	67				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-112	NB	540+88	2029 Camden Ave, Los Angeles, CA 90025		SFR	2	202	60				68	72	No	33	35	No	--	--	--	--	--
V-4-113	NB	543+28	11050 La Grange, Los Angeles, CA 90025		MFR	2	110	61				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-114	SB	543+83	2001 S Bentley Ave, Los Angeles, CA 90025	**Olympic Blvd to Santa Monica Blvd Station**	MFR	2	67	63				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-115	SB	544+87	1963 S Bentley Ave, Los Angeles, CA 90025		SFR	2	67	61				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-116	NB	544+59	1964 S Bentley Ave, Los Angeles, CA 90025		SFR	2	128	62				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-117	SB	548+00	1931 S Bentley Ave, Los Angeles, CA 90025		SFR	2	67	56				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-118	NB	547+76	1934 S Bentley Ave, Los Angeles, CA 90025		SFR	2	172	63				69	72	No	34	35	No	--	--	--	--	--
V-4-119	NB	548+77	1922 S Bentley Ave, Los Angeles, CA 90025		SFR	2	186	64				69	72	No	34	35	No	--	--	--	--	--
V-4-120	SB	550+78	VCA West LA Animal Hospital 1900 S Sepulveda Blvd, Los Angeles, CA 90025		Animal Hospital	1	68	50				71	65	**Yes**	36	25	**Yes**	Resiliently Supported Ties	61	None	11	None
V-4-121	NB	550+00	1907 S Bentley Ave, Los Angeles, CA 90025		SFR	2	69	64				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-122	NB	549+99	1900 S Bentley Ave, Los Angeles, CA 90025		SFR	2	203	64				69	72	No	34	35	No		--			
V-4-123	NB	551+37	11061 Missouri Ave, Los Angeles, CA 90025		MFR	2	70	61				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-124	NB	551+12	11051 Missouri Ave, Los Angeles, CA 90025		MFR	2	219	62				68	72	No	33	35	No		--			
V-4-125	NB	552+36	1853 S Bentley Ave, Los Angeles, CA 90025		MFR	2	74	59				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-126	NB	553+26	1849 S Bentley Ave, Los Angeles, CA 90025		MFR	2	81	56				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-127	NB	554+17	1835 S Bentley Ave, Los Angeles, CA 90025		MFR	2	84	54				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-128	NB	553+51	1834 S Bentley Ave, Los Angeles, CA 90025		MFR	2	238	56				67	72	No	32	35	No	--	--	--	--	--
V-4-129	NB	557+47	1801 S Bentley Ave, Los Angeles, CA 90025		MFR	2	98	44				68	72	No	33	35	No	--	--	--	--	--
V-4-130	NB	559+43	1741 S Bentley Ave, Los Angeles, CA 90025		MFR	2	102	36			Y	61	72	No	26	35	No	--	--	--	--	--
V-4-131	NB	562+19	1727 S Bentley Ave, Los Angeles, CA 90025		MFR	2	104	24			Y	58	72	No	23	35	No	--	--	--	--	--
	559+15	563+40	**SANTA MONICA BOULEVARD STATION**																			
V-4-132	NB	568+08	1633 S Bentley Ave, Los Angeles, CA 90025		MFR	2	105	36				66	72	No	31	35	No	--	--	--	--	--
V-4-133	SB	568+50	1640 S Sepulveda Blvd, Los Angeles, CA 90025		Theater	2	89	40				68	72	No	33	35	No	--	--	--	--	--
V-4-134	NB	568+77	1631 S Bentley Ave, Los Angeles, CA 90025		MFR	2	130	38				66	72	No	31	35	No	--	--	--	--	--
V-4-135	NB	570+79	1610 S Bentley Ave, Los Angeles, CA 90025		MFR	2	213	40				65	72	No	30	35	No	--	--	--	--	--
V-4-136	NB	570+70	1607 S Bentley Ave, Los Angeles, CA 90025		MFR	2	92	40				68	72	No	33	35	No	--	--	--	--	--
V-4-137	NB	570+28	1619 S Bentley Ave, Los Angeles, CA 90025		MFR	2	91	40				68	72	No	33	35	No	--	--	--	--	--
V-4-138	NB	571+35	1601 S Bentley Ave, Los Angeles, CA 90025		MFR	2	92	40				68	72	No	33	35	No	--	--	--	--	--
V-4-139	NB	572+05	1600 S Bentley Ave, Los Angeles, CA 90025		MFR	2	175	40				65	72	No	30	35	No	--	--	--	--	--
V-4-140	SB	572+50	1545 S Bentley Ave, Los Angeles, CA 90025		MFR	2	93	40				68	72	No	33	35	No	--	--	--	--	--
V-4-141	SB	573+50	1535 S Bentley Ave, Los Angeles, CA 90025		MFR	2	93	40				68	72	No	33	35	No	--	--	--	--	--
V-4-142	NB	573+62	11033 Massachusetts Ave, Los Angeles, CA 90025		MFR	2	127	40				66	72	No	31	35	No	--	--	--	--	--
V-4-143	NB	574+10	1538 S Bentley Ave, Los Angeles, CA 90025		MFR	2	117	40				67	72	No	32	35	No	--	--	--	--	--
V-4-144	SB	574+26	1523 S Bentley Ave, Los Angeles, CA 90025		MFR	2	100	40				67	72	No	32	35	No	--	--	--	--	--
V-4-145	NB	574+39	1528-1534 S Bentley Ave, Los Angeles, CA 90025		MFR	2	112	40				67	72	No	32	35	No	--	--	--	--	--
V-4-146	NB	575+10	1526 S Bentley Ave, Los Angeles, CA 90025		MFR	2	99	40				67	72	No	32	35	No	--	--	--	--	--
V-4-147	NB	575+44	1522 S Bentley Ave, Los Angeles, CA 90025		MFR	2	95	40				68	72	No	33	35	No	--	--	--	--	--
V-4-148	SB	575+53	1511 S Bentley Ave, Los Angeles, CA 90025		MFR	2	140	40				66	72	No	31	35	No	--	--	--	--	--
V-4-149	SB	575+97	1505 S Bentley Ave, Los Angeles, CA 90025		MFR	2	159	40				66	72	No	31	35	No	--	--	--	--	--
V-4-150	NB	576+12	1531 Camden Ave, Los Angeles, CA 90025		MFR	2	142	40				66	72	No	31	35	No	--	--	--	--	--
V-4-151	NB	577+01	1511 Camden Ave, Los Angeles, CA 90025		MFR	2	110	40				67	72	No	32	35	No	--	--	--	--	--
V-4-152	SB	577+50	1506 S Bentley Ave, Los Angeles, CA 90025		MFR	2	98	40				67	72	No	32	35	No	--	--	--	--	--
V-4-153	SB	578+25	1436 S Bentley Ave, Los Angeles, CA 90025	**Santa Monica Blvd Station to Veteran Ave**	MFR	2	118	40				67	72	No	32	35	No	--	--	--	--	--
V-4-154	SB	578+50	11037 Ohio Ave, Los Angeles, CA 90025		MFR	2	100	40				67	72	No	32	35	No	--	--	--	--	--
V-4-155	SB	578+69	1430 S Bentley Ave, Los Angeles, CA 90025		MFR	2	136	40				66	72	No	31	35	No	--	--	--	--	--
V-4-156	SB	578+99	1424 S Bentley Ave, Los Angeles, CA 90025		MFR	2	163	40				66	72	No	31	35	No	--	--	--	--	--
V-4-157	NB	579+09	1500 Camden Ave, Los Angeles, CA 90025		MFR	2	175	40				65	72	No	30	35	No	--	--	--	--	--
V-4-158	SB	579+60	1431 Camden Ave, Los Angeles, CA 90025		MFR	2	99	40				67	72	No	32	35	No	--	--	--	--	--
V-4-159	SB	579+81	1427 Camden Ave, Los Angeles, CA 90025		MFR	2	102	40				67	72	No	32	35	No	--	--	--	--	--
V-4-160	SB	580+25	1415 Camden Ave, Los Angeles, CA 90025		MFR	2	114	40				67	72	No	32	35	No	--	--	--	--	--
V-4-161	NB	580+73	1432 Camden Ave, Los Angeles, CA 90025		MFR	2	101	40				67	72	No	32	35	No	--	--	--	--	--
V-4-162	SB	581+50	1420 Camden Ave, Los Angeles, CA 90025		MFR	2	103	40				67	72	No	32	35	No	--	--	--	--	--
V-4-163	NB	581+46	1433 Greenfield Ave, Los Angeles, CA 90025		MFR	2	194	40				65	72	No	30	35	No	--	--	--	--	--
V-4-164	SB	581+78	1401 Camden Ave, Los Angeles, CA 90025		MFR	2	211	40				65	72	No	30	35	No	--	--	--	--	--
V-4-165	NB	581+95	1427 Greenfield Ave, Los Angeles, CA 90025		MFR	2	183	40				65	72	No	30	35	No	--	--	--	--	--
V-4-166	NB	582+04	1421 Greenfield Ave, Los Angeles, CA 90025		MFR	2	127	40				66	72	No	31	35	No	--	--	--	--	--
V-4-167	SB	582+08	1412 Camden Ave, Los Angeles, CA 90025		MFR	2	103	40				67	72	No	32	35	No	--	--	--	--	--
V-4-168	NB	582+38	1417 Greenfield Ave, Los Angeles, CA 90025		MFR	2	113	40				67	72	No	32	35	No	--	--	--	--	--
V-4-169	SB	582+68	1406 Camden Ave, Los Angeles, CA 90025		MFR	2	102	41				68	72	No	33	35	No	--	--	--	--	--
V-4-170	NB	583+00	1413 Greenfield Ave, Los Angeles, CA 90025		MFR	2	102	40				67	72	No	32	35	No	--	--	--	--	--
V-4-171	SB	583+06	1400 Camden Ave, Los Angeles, CA 90025		MFR	2	108	42				68	72	No	33	35	No	--	--	--	--	--
V-4-172	SB	583+50	1403 Greenfield Ave, Los Angeles, CA 90025		MFR	2	102	44				68	72	No	33	35	No	--	--	--	--	--
V-4-173	NB	584+55	1422 Greenfield Ave, Los Angeles, CA 90025		MFR	2	159	40				66	72	No	31	35	No	--	--	--	--	--
V-4-174	NB	585+21	1400 Greenfield Ave, Los Angeles, CA 90025		MFR	2	117	40				67	72	No	32	35	No	--	--	--	--	--
V-4-175	NB	585+84	1417 Veteran Ave, Los Angeles, CA 90024		MFR	2	218	43				65	72	No	30	35	No	--	--	--	--	--
V-4-176	NB	589+25	1390 Veteran Ave, Los Angeles, CA 90024		MFR	2	207	49				67	72	No	32	35	No	--	--	--	--	--
V-4-177	NB	590+23	1378 Veteran Ave, Los Angeles, CA 90024		MFR	2	159	51				68	72	No	33	35	No	--	--	--	--	--
V-4-178	NB	591+78	1370 Veteran Ave, Los Angeles, CA 90024		MFR	2	110	53				69	72	No	34	35	No	--	--	--	--	--
V-4-179	NB	591+88	1375 Kelton Ave, Los Angeles, CA 90024		MFR	2	182	53				68	72	No	33	35	No	--	--	--	--	--
V-4-180	NB	592+46	1361 Kelton Ave, Los Angeles, CA 90024		MFR	2	165	54				68	72	No	33	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-181	SB, NB	592+50	10990 Rochester Ave, Los Angeles, CA 90024	Veteran Ave to Metro D-Line/Wilshire/Westwood Station	MFR	2	111	56				69	72	No	34	35	No	--	--	--	--	--
V-4-182	NB	593+44	10966 Rochester Ave, Los Angeles, CA 90024		MFR	2	129	56				69	72	No	34	35	No	--	--	--	--	--
V-4-183	SB	594+32	10989 Rochester Ave, Los Angeles, CA 90024		MFR	2	113	53				69	72	No	34	35	No	--	--	--	--	--
V-4-184	SB, NB	595+00	10969 Rochester Ave #100, Los Angeles, CA 90024		MFR	2	114	57				69	72	No	34	35	No	--	--	--	--	--
V-4-185	SB	595+16	10996 Wellworth Ave, Los Angeles, CA 90024		MFR	2	202	51				67	72	No	32	35	No	--	--	--	--	--
V-4-186	SB	595+26	10990 Wellworth Ave, Los Angeles, CA 90024		MFR	2	158	51				68	72	No	33	35	No	--	--	--	--	--
V-4-187	NB	595+47	10965 Rochester Ave, Los Angeles, CA 90024		MFR	2	142	58				69	72	No	34	35	No	--	--	--	--	--
V-4-188	NB	595+67	10959 Rochester Ave, Los Angeles, CA 90024		MFR	2	175	58				69	72	No	34	35	No	--	--	--	--	--
V-4-189	SB, NB	596+00	10980 Wellworth Ave, Los Angeles, CA 90024		MFR	2	117	58				69	72	No	34	35	No	--	--	--	--	--
V-4-190	NB	596+71	10966 Wellworth Ave, Los Angeles, CA 90024		MFR	2	116	58				69	72	No	34	35	No	--	--	--	--	--
V-4-191	NB	596+88	10960 Wellworth Ave, Los Angeles, CA 90024		MFR	2	146	58				69	72	No	34	35	No	--	--	--	--	--
V-4-192	SB	597+47	10983 Wellworth Ave, Los Angeles, CA 90024		MFR	2	127	47				68	72	No	33	35	No	--	--	--	--	--
V-4-193	SB, NB	598+00	10969 Wellworth Ave, Los Angeles, CA 90024		MFR	2	116	57				69	72	No	34	35	No	--	--	--	--	--
V-4-194	SB	598+50	10992 Ashton Ave, Los Angeles, CA 90024		MFR	2	213	45				66	72	No	31	35	No	--	--	--	--	--
V-4-195	SB	598+77	10970 Ashton Ave, Los Angeles, CA 90024		MFR	2	140	44		Y		72	72	**Yes**	37	35	**Yes**	Spring Frogs	67	None	17	None
V-4-196	SB, NB	599+50	10960 Ashton Ave, Los Angeles, CA 90024		MFR	2	118	53		Y		74	72	**Yes**	39	35	**Yes**	Spring Frogs	69	None	19	None
V-4-197	NB	600+09	10952 Ashton Ave, Los Angeles, CA 90024		MFR	2	118	52		Y		74	72	**Yes**	39	35	**Yes**	Spring Frogs	69	None	19	None
V-4-198	NB	600+20	1250 Midvale Ave, Los Angeles, CA 90024		MFR	2	191	51		Y		72	72	**Yes**	37	35	**Yes**	Spring Frogs	67	None	17	None
V-4-199	NB	605+69	Westwood Medical Plaza 10921 Wilshire Blvd, Los Angeles, CA 90024		Medical Bldg	3	145	31			Y	59	75	No	24	35	No	--	--	--	--	--
	602+30	607+10	**METRO D-LINE/WILSHIRE- WESTWOOD STATION**																			
V-4-200	SB	607+95	UCLA Extension ICO 1145 Gayley Ave, Los Angeles, CA 90024	Metro D Line/Wilshire/Westwood Station to Le Conte Ave	Institutional	3	172	20			Y	54	75	No	19	35	No	--	--	--	--	--
V-4-201	SB, NB	609+00	1122 Gayley Ave, Los Angeles, CA 90024		MFR	2	134	32				64	72	No	29	35	No	--	--	--	--	--
V-4-202	NB	610+08	1141 Westwood Blvd, Los Angeles, CA 90024		MFR	2	159	22				61	72	No	26	35	No	--	--	--	--	--
V-4-203	SB	611+50	UCLA Science and Technology Research Building 1040 Veteran Ave, Los Angeles, CA 90024		Laboratory	1	723	42				61	65	No	26	25	**Yes**	High-resilient Fasteners	56	None	6	None
V-4-204	NB	613+30	Azoff Music Management 1100 Glendon Ave, Los Angeles, CA 90024		Recording Studio	Special Bldg	452	36				61	65	No	26	25	**Yes**	High-resilient Fasteners	56	None	6	None
V-4-205	NB	613+30	CBS Films 1100 Glendon Ave, Los Angeles, CA 90024		Video Production	Special Bldg	452	36				61	65	No	26	25	**Yes**	High-resilient Fasteners	56	None	6	None
V-4-206	SB	616+02	The Landmark Westwood 1045 Boxton Ave, Los Angeles, CA 90024		Movie Theater	2	236	57				67	72	No	32	35	No	--	--	--	--	--
V-4-207	NB	616+00	Boost Your Media 1040 Glendon Ave, Los Angeles, CA 90024		Video Production	Special Bldg	500	43				62	65	No	27	25	**Yes**	High-resilient Fasteners	57	None	7	None
V-4-208	SB, NB	616+50	1043 Westwood Blvd, Los Angeles, CA 90024		Institutional	3	131	56				69	75	No	34	40	No	--	--	--	--	--
V-4-209	SB, NB	618+00	Float Lab Westwood 1025 Westwood Blvd suite b, Los Angeles, CA 90024		SPA	3	117	61				70	75	No	35	40	No	--	--	--	--	--
V-4-210	NB	619+02	UCLA Extension Westwood Center 1010 Westwood Blvd, Los Angeles, CA 90024		Institutional	3	207	46				66	75	No	31	40	No	--	--	--	--	--
V-4-211	SB	620+27	Angeles Academy of Music 10921 Weyburn Ave, Los Angeles, CA 90024		Institutional	3	132	67				71	75	No	36	40	No	--	--	--	--	--
V-4-212	SB, NB	622+50	Starwood Testing, Admissions & Review 911 Westwood Blvd, Los Angeles, CA 90024		Institutional	3	117	70				72	75	No	37	40	No	--	--	--	--	--
V-4-213	NB	623+50	Geffen Playhouse 10866 Le Conte Ave, Los Angeles, CA 90024		Theater	Special Bldg	303	49				65	72	No	30	35	No	--	--	--	--	--
V-4-214	SB	625+85	UCLA, 300 Medical Plaza Driveway, Los Angeles, CA 90095	Le Conte Ave to UCLA Station	Medical Bldg	1	125	68				71	65	**Yes**	36	25	**Yes**	Resiliently Supported Ties	61	None	11	None
V-4-215	NB	627+86	Jules Stein Eye Institute 100 Stein Plaza Driveway, Los Angeles, CA 90024		Medical Bldg	1	218	52				67	65	**Yes**	32	25	**Yes**	Resiliently Supported Ties	57	None	7	None
	SB						235	65				68	65	**Yes**	33	25	**Yes**	Resiliently Supported Ties	58	None	8	None
V-4-216	SB	629+32	Vatche And Tamar Manoukian Medical Building 100 Medical Plaza Driveway, Los Angeles, CA 90024		Medical Bldg	1	112	63				71	65	**Yes**	36	25	**Yes**	Resiliently Supported Ties	61	None	11	None
V-4-217	NB	630+15	Stein Eye Institute, Oculoplastics Division Wasserman Bldg, 300 Stein Plaza Driveway, Los Angeles, CA 90024		Medical Bldg	1	137	53				69	65	**Yes**	34	25	**Yes**	Resiliently Supported Ties	59	None	9	None
V-4-218	NB	632+30	UCLA Semel Institute for Neuroscience and Human Behavior 760 Westwood Plaza, Los Angeles, CA 90024		Institutional	1	134	54				69	65	**Yes**	34	25	**Yes**	Resiliently Supported Ties	59	None	9	None
V-4-219	NB	633+81	Reed Neurological Research Center 710 Westwood Plaza, Los Angeles, CA 90095		Institutional/ Research	1	114	55				70	65	**Yes**	35	25	**Yes**	Resiliently Supported Ties	60	None	10	None
V-4-220	SB	634+25	UCLA Ronald Reagan Medical Building 757 Westwood Plaza, Los Angeles, CA 90095		Medical Bldg	1	101	51				69	65	**Yes**	34	25	**Yes**	Resiliently Supported Ties	59	None	9	None
V-4-221	NB	638+42	Gonda Center, Brain Research Institute UCLA 695 Charles E Young Dr S, Los Angeles, CA 90095		Institutional/ Research	1	109	47		Y		73	65	**Yes**	38	25	**Yes**	Resiliently Supported Ties	63	None	13	None
V-4-222	SB	643+31	UCLA Meyer and Renee Luskin Conference Center 425 Westwood Plaza, Los Angeles, CA 90095		Lodging/ Conference	2	190	10			Y	48	72	No	13	35	No	--	--	--	--	--
V-4-223	NB	644+11	Henry Samueli School of Engineering 420 Westwood Plaza, Los Angeles, CA 90095		Institutional/ Research	1	146	23			Y	56	65	No	21	25	No	--	--	--	--	--
	641+95	646+58	**UCLA STATION**																			
V-4-224	NB	645+48	Engineering VI 404 Westwood Plaza, Los Angeles, CA 90095		Institutional/ Research	1	116	10			Y	50	65	No	15	25	No	--	--	--	--	--
V-4-225	NB	646+50	UCLA HCI Research 580 Portola Plaza, Los Angeles, CA 90095		Laboratory	1	441	20			Y	51	65	No	16	25	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-226	NB	649+50	UCLA Ackerman Union 308 Westwood Plaza, Los Angeles, CA 90024	UCLA Station to Sunset Blvd	Institutional	3	125	33				65	75	No	30	40	No	--	--	--	--	--
V-4-227	NB	653+46	UCLA Student Activities Center 220 Westwood Plaza, Los Angeles, CA 90095		Institutional	3	124	44				67	75	No	32	40	No	--	--	--	--	--
V-4-228	NB	656+47	Department of World Arts and Cultures/Dance 120 Westwood Plaza, Los Angeles, CA 90077		Institutional	3	129	50				68	75	No	33	40	No	--	--	--	--	--
V-4-229	SB, NB	659+50	James A. Collins Center for Executive Education 110 Westwood Plaza, Los Angeles, CA 90095		Institutional	3	122	70	1675			71	75	No	36	40	No	--	--	--	--	--
V-4-230	NB	660+79	UCLA Anderson School of Management 110 Westwood Plaza, Los Angeles, CA 90095		Institutional	3	196	56				68	75	No	33	40	No	--	--	--	--	--
V-4-231	SB	666+14	Marymount High School 10643 Sunset Blvd, Los Angeles, CA 90077		High School	3	188	70				70	75	No	35	40	No	--	--	--	--	--
V-4-232	NB	666+32	UCLA Lab School 330 Charles E Young Dr N, Los Angeles, CA 90095		Elementary School	3	118	58				70	75	No	35	40	No	--	--	--	--	--
V-4-233	NB	669+62	Fernald Child Care Center 320 Charles E Young Dr N, Los Angeles, CA 90095		Day Care	3	113	59				70	75	No	35	40	No	--	--	--	--	--
V-4-234	SB	674+40	Former home of Charles Bronson 121 Udine Way, Los Angeles, CA 90077	Sunset Blvd to Bellagio Rd	Historic Landmark	2	133	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-235	NB	674+85	120 Udine Way, Los Angeles, CA 90077		SFR	2	106	61				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-236	SB	677+25	133 Udine Way, Los Angeles, CA 90077		SFR	2	148	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-237	NB	677+50	124 Udine Way, Los Angeles, CA 90077		SFR	2	147	61				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-238	SB	680+50	10644 Bellagio Rd, Los Angeles, CA 90077 (Tennis Courts)		SFR	2	167	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-239	SB, NB	685+00	10644 Bellagio Rd, Los Angeles, CA 90077		SFR	2	185	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-240	SB	690+25	10659 Bellagio Rd, Los Angeles, CA 90077		SFR	2	288	70				68	72	No	33	35	No	--	--	--	--	--
V-4-241	NB	695+27	10615 Bellagio Rd, Los Angeles, CA 90077	Bellagio Rd to Somma Way	SFR	2	107	64				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-242	NB	695+60	10601 Bellagio Rd, Los Angeles, CA 90077		SFR	2	152	64				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-243	NB	696+59	621 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	96	64				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-244	NB	698+59	649 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	127	64				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-245	NB	699+50	661 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	97	64				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-246	SB	701+50	10614 Chalon Rd, Los Angeles, CA 90077	Bellagio Rd to Somma Way	SFR	2	141	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-247	NB	701+25	685 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	97	64				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-248	NB	702+82	10606 Chalon Rd, Los Angeles, CA 90077		SFR	2	94	64				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-249	SB	704+52	706 Lausanne Rd, Los Angeles, CA 90077		SFR	2	282	70				68	72	No	33	35	No	--	--	--	--	--
V-4-250	SB, NB	706+50	Hotel Bel Air 701 Stone Canyon Rd, Los Angeles, CA 90077		Hotel	2	134	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-251	SB	708+50	750 Lausanne Rd, Los Angeles, CA 90077		SFR	2	277	70				69	72	No	34	35	No	--	--	--	--	--
V-4-252	NB	721+80	10651 Capello Way, Los Angeles, CA 90077		SFR	2	137	65				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-253	NB	724+54	10690 Somma Way, Los Angeles, CA 90077		SFR	2	276	65				68	72	No	33	35	No	--	--	--	--	--
V-4-254	SB	725+15	10694 Somma Way, Los Angeles, CA 90077		SFR	2	352	70				68	72	No	33	35	No	--	--	--	--	--
V-4-255	SB, NB	728+00	10650 Somma Way, Los Angeles, CA 90077		SFR	2	101	70				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-256	SB	728+54	10660 Somma Way, Los Angeles, CA 90077		SFR	2	146	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-257	NB	728+54	10646 Somma Way, Los Angeles, CA 90077		SFR	2	117	65				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-258	NB	729+36	10643 Somma Way, Los Angeles, CA 90077		SFR	2	195	65				69	72	No	34	35	No	--	--	--	--	--
V-4-259	NB	729+13	10647 Somma Way, Los Angeles, CA 90077		SFR	2	123	65				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-260	SB, NB	729+60	10651 Somma Way, Los Angeles, CA 90077		SFR	2	98	70				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-261	SB	729+79	10661 Somma Way, Los Angeles, CA 90077		SFR	2	148	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-262	NB	731+54	10687 Somma Way, Los Angeles, CA 90077		SFR	2	176	65				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-263	SB	733+87	10691 Somma Way, Los Angeles, CA 90077		SFR	2	230	70				69	72	No	34	35	No	--	--	--	--	--
V-4-264	SB, NB	737+50	10733 Stradella Ct, Los Angeles, CA 90077		SFR	2	358	70				68	72	No	33	35	No	--	--	--	--	--
V-4-265	SB	737+94	10727 Stradella Ct, Los Angeles, CA 90077		SFR	2	406	70				67	72	No	32	35	No	--	--	--	--	--
V-4-266	NB	742+50	10741 Levico Way, Los Angeles, CA 90077		SFR	2	338	66				67	72	No	32	35	No	--	--	--	--	--
V-4-267	NB	748+50	10710 Levico Way, Los Angeles, CA 90077		SFR	2	398	66				67	72	No	32	35	No	--	--	--	--	--
V-4-268	SB	752+46	1298 Stradella Rd, Los Angeles, CA 90077		SFR	2	553	70				66	72	No	31	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-269	SB	757+50	1342 Stradella Rd, Los Angeles, CA 90077	Somma Way to Stone Canyon Rd	SFR	2	530	70				66	72	No	31	35	No	--	--	--	--	--
V-4-270	NB	759+79	10635 Levico Way, Los Angeles, CA 90077		SFR	2	257	67				68	72	No	33	35	No	--	--	--	--	--
V-4-271	NB	768+15	1535 Tanner Bridge Rd, Los Angeles, CA 90077		SFR	2	223	67				69	72	No	34	35	No	--	--	--	--	--
V-4-272	SB, NB	772+00	1545 Tanner Bridge Rd, Los Angeles, CA 90077		SFR	2	158	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-273	NB	774+73	1781 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	379	67				67	72	No	32	35	No	--	--	--	--	--
V-4-274	NB	774+87	1780 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	356	67				67	72	No	32	35	No	--	--	--	--	--
V-4-275	SB, NB	775+50	1776 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	363	70				68	72	No	33	35	No	--	--	--	--	--
V-4-276	NB	776+23	1777 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	371	67				67	72	No	32	35	No	--	--	--	--	--
V-4-277	SB	776+70	1766 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	384	70				67	72	No	32	35	No	--	--	--	--	--
V-4-278	NB	777+00	1775 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	370	67				67	72	No	32	35	No	--	--	--	--	--
V-4-279	SB	776+99	1760 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	409	70				67	72	No	32	35	No	--	--	--	--	--
V-4-280	SB, NB	777+50	1769 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	376	70				67	72	No	32	35	No	--	--	--	--	--
V-4-281	SB	777+77	1763 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	382	70				67	72	No	32	35	No	--	--	--	--	--
V-4-282	SB	778+38	1749 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	388	70				67	72	No	32	35	No	--	--	--	--	--
V-4-283	NB	779+00	1600 Lindamere Pl, Los Angeles, CA 90077		SFR	2	289	67				68	72	No	33	35	No	--	--	--	--	--
V-4-284	SB	779+21	1743 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	381	70				67	72	No	32	35	No	--	--	--	--	--
V-4-285	SB, NB	779+50	1601 Lindamere Pl, Los Angeles, CA 90077		SFR	2	282	70				68	72	No	33	35	No	--	--	--	--	--
V-4-286	SB, NB	780+50	1605 Lindamere Pl, Los Angeles, CA 90077		SFR	2	272	70				69	72	No	34	35	No	--	--	--	--	--
V-4-287	NB	780+75	1608 Lindamere Pl, Los Angeles, CA 90077		SFR	2	287	67				68	72	No	33	35	No	--	--	--	--	--
V-4-288	SB	780+75	1727 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	383	70				67	72	No	32	35	No	--	--	--	--	--
V-4-289	NB	781+25	1610 Lindamere Pl, Los Angeles, CA 90077		SFR	2	285	67				68	72	No	33	35	No	--	--	--	--	--
V-4-290	NB	781+50	1609 Lindamere Pl, Los Angeles, CA 90077		SFR	2	268	67				68	72	No	33	35	No	--	--	--	--	--
V-4-291	SB	781+57	1721 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	332	70				68	72	No	33	35	No	--	--	--	--	--
V-4-292	SB	782+04	1711 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	302	70				68	72	No	33	35	No	--	--	--	--	--
V-4-293	NB	782+33	10656 Lindamere Dr, Los Angeles, CA 90077		SFR	2	261	67				68	72	No	33	35	No	--	--	--	--	--
V-4-294	SB, NB	782+75	1703 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	275	70				69	72	No	34	35	No	--	--	--	--	--
V-4-295	NB	783+20	10651 Lindamere Dr, Los Angeles, CA 90077		SFR	2	302	67				68	72	No	33	35	No	--	--	--	--	--
V-4-296	NB	783+50	10657 Lindamere Dr, Los Angeles, CA 90077		SFR	2	270	67				68	72	No	33	35	No	--	--	--	--	--
V-4-297	NB	784+14	10661 Lindamere Dr, Los Angeles, CA 90077		SFR	2	257	67				68	72	No	33	35	No	--	--	--	--	--
V-4-298	SB	784+42	1704 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	302	70				68	72	No	33	35	No	--	--	--	--	--
V-4-299	NB	784+54	1693 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	271	67				68	72	No	33	35	No	--	--	--	--	--
V-4-300	SB	784+64	1714 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	352	70				68	72	No	33	35	No	--	--	--	--	--
V-4-301	SB	795+54	2028 Stradella Rd, Los Angeles, CA 90077	Stone Canyon Rd to Linda Flora Dr	SFR	2	628	70				66	72	No	31	35	No	--	--	--	--	--
V-4-302	SB	796+38	2036 Stradella Rd, Los Angeles, CA 90077		SFR	2	614	70				66	72	No	31	35	No	--	--	--	--	--
V-4-303	SB	797+19	2044 Stradella Rd, Los Angeles, CA 90077		SFR	2	603	70				66	72	No	31	35	No	--	--	--	--	--
V-4-304	SB	797+88	2052 Stradella Rd, Los Angeles, CA 90077		SFR	2	598	70				66	72	No	31	35	No	--	--	--	--	--
V-4-305	SB	798+68	2055 Stradella Rd, Los Angeles, CA 90077		SFR	2	612	70				66	72	No	31	35	No	--	--	--	--	--
V-4-306	SB, NB	799+00	2060 Stradella Rd, Los Angeles, CA 90077		SFR	2	595	70				66	72	No	31	35	No	--	--	--	--	--
V-4-307	SB, NB	799+50	2070 Stradella Rd, Los Angeles, CA 90077		SFR	2	592	70				66	72	No	31	35	No	--	--	--	--	--
V-4-308	SB	799+80	2065 Stradella Rd, Los Angeles, CA 90077		SFR	2	601	70				66	72	No	31	35	No	--	--	--	--	--
V-4-309	SB	800+74	2073 Stradella Rd, Los Angeles, CA 90077		SFR	2	597	70				66	72	No	31	35	No	--	--	--	--	--
V-4-310	SB, NB	801+50	2078 Stradella Rd, Los Angeles, CA 90077		SFR	2	588	70				66	72	No	31	35	No	--	--	--	--	--
V-4-311	SB	801+79	2081 Stradella Rd, Los Angeles, CA 90077		SFR	2	589	70				66	72	No	31	35	No	--	--	--	--	--
V-4-312	SB	802+89	2089 Stradella Rd, Los Angeles, CA 90077		SFR	2	584	70				66	72	No	31	35	No	--	--	--	--	--
V-4-313	NB	802+50	2090 Stradella Rd, Los Angeles, CA 90077		SFR	2	586	70				66	72	No	31	35	No	--	--	--	--	--
V-4-314	NB	803+24	2100 Stradella Rd, Los Angeles, CA 90077		SFR	2	585	70				66	72	No	31	35	No	--	--	--	--	--
V-4-315	NB	804+26	2108 Stradella Rd, Los Angeles, CA 90077		SFR	2	585	70				66	72	No	31	35	No	--	--	--	--	--
V-4-316	SB	804+43	2101 Stradella Rd, Los Angeles, CA 90077		SFR	2	580	70				66	72	No	31	35	No	--	--	--	--	--
V-4-317	SB, NB	805+00	2107 Stradella Rd, Los Angeles, CA 90077		SFR	2	579	70				66	72	No	31	35	No	--	--	--	--	--
V-4-318	NB	805+09	2116 Stradella Rd, Los Angeles, CA 90077		SFR	2	593	70				66	72	No	31	35	No	--	--	--	--	--
V-4-319	NB	805+49	2115 Stradella Rd, Los Angeles, CA 90077		SFR	2	580	70				66	72	No	31	35	No	--	--	--	--	--
V-4-320	NB	806+06	2124 Stradella Rd, Los Angeles, CA 90077		SFR	2	600	70				66	72	No	31	35	No	--	--	--	--	--
V-4-321	NB	806+26	2121 Stradella Rd, Los Angeles, CA 90077		SFR	2	585	70				66	72	No	31	35	No	--	--	--	--	--
V-4-322	NB	808+50	2141 Stradella Rd, Los Angeles, CA 90077		SFR	2	580	70				66	72	No	31	35	No	--	--	--	--	--
V-4-323	NB	809+00	2150 Stradella Rd, Los Angeles, CA 90077		SFR	2	617	70				66	72	No	31	35	No	--	--	--	--	--
V-4-324	NB	809+05	2147 Stradella Rd, Los Angeles, CA 90077		SFR	2	590	70				66	72	No	31	35	No	--	--	--	--	--
V-4-325	NB	809+86	2158 Stradella Rd, Los Angeles, CA 90077		SFR	2	619	70				66	72	No	31	35	No	--	--	--	--	--
V-4-326	NB	810+09	2155 Stradella Rd, Los Angeles, CA 90077		SFR	2	593	70				66	72	No	31	35	No	--	--	--	--	--
V-4-327	SB	810+76	2150 Roscomare Rd, Los Angeles, CA 90077		SFR	2	491	70				66	72	No	31	35	No	--	--	--	--	--
V-4-328	NB	811+50	2167 Stradella Rd, Los Angeles, CA 90077		SFR	2	593	70				66	72	No	31	35	No	--	--	--	--	--
V-4-329	SB	811+60	2156 Roscomare Rd, Los Angeles, CA 90077		SFR	2	498	70				66	72	No	31	35	No	--	--	--	--	--
V-4-330	NB	812+00	2173 Stradella Rd, Los Angeles, CA 90077		SFR	2	602	70				66	72	No	31	35	No	--	--	--	--	--
V-4-331	SB	812+39	2161 Roscomare Rd, Los Angeles, CA 90077		SFR	2	523	70				66	72	No	31	35	No	--	--	--	--	--
V-4-332	SB	812+40	2162 Roscomare Rd, Los Angeles, CA 90077		SFR	2	504	70				66	72	No	31	35	No	--	--	--	--	--
V-4-333	SB	812+75	2165 Roscomare Rd, Los Angeles, CA 90077		SFR	2	526	70				66	72	No	31	35	No	--	--	--	--	--
V-4-334	SB	813+04	2168 Roscomare Rd, Los Angeles, CA 90077		SFR	2	508	70				66	72	No	31	35	No	--	--	--	--	--
V-4-335	SB	813+50	2174 Roscomare Rd, Los Angeles, CA 90077		SFR	2	513	70				66	72	No	31	35	No	--	--	--	--	--
V-4-336	SB	813+50	2169 Roscomare Rd, Los Angeles, CA 90077		SFR	2	528	70				66	72	No	31	35	No	--	--	--	--	--
V-4-337	SB	814+32	2175 Roscomare Rd, Los Angeles, CA 90077		SFR	2	521	70				66	72	No	31	35	No	--	--	--	--	--
V-4-338	NB	814+50	2178 Roscomare Rd, Los Angeles, CA 90077		SFR	2	519	70				66	72	No	31	35	No	--	--	--	--	--
V-4-339	NB	814+55	2184 Roscomare Rd, Los Angeles, CA 90077		SFR	2	523	70				66	72	No	31	35	No	--	--	--	--	--
V-4-340	SB	814+86	2179 Roscomare Rd, Los Angeles, CA 90077		SFR	2	520	70				66	72	No	31	35	No	--	--	--	--	--
V-4-341	NB	815+15	2200 Roscomare Rd, Los Angeles, CA 90077		SFR	2	531	70				66	72	No	31	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-342	SB	815+50	2185 Roscomare Rd, Los Angeles, CA 90077		SFR	2	521	70				66	72	No	31	35	No	--	--	--	--	--
V-4-343	NB	816+21	2206 Roscomare Rd, Los Angeles, CA 90077		SFR	2	544	70				66	72	No	31	35	No	--	--	--	--	--
V-4-344	NB	816+50	2201 Roscomare Rd, Los Angeles, CA 90077		SFR	2	525	70				66	72	No	31	35	No	--	--	--	--	--
V-4-345	NB	816+50	2210 Roscomare Rd, Los Angeles, CA 90077		SFR	2	551	70				66	72	No	31	35	No	--	--	--	--	--
V-4-346	NB	816+61	2209 Roscomare Rd, Los Angeles, CA 90077		SFR	2	531	70				66	72	No	31	35	No	--	--	--	--	--
V-4-347	NB	817+17	2216 Roscomare Rd, Los Angeles, CA 90077		SFR	2	558	70				66	72	No	31	35	No	--	--	--	--	--
V-4-348	SB	817+23	2190 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	597	70				66	72	No	31	35	No	--	--	--	--	--
V-4-349	NB	817+27	2213 Roscomare Rd, Los Angeles, CA 90077		SFR	2	534	70				66	72	No	31	35	No	--	--	--	--	--
V-4-350	SB	818+01	2200 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	592	70				66	72	No	31	35	No	--	--	--	--	--
V-4-351	NB	818+01	2219 Roscomare Rd, Los Angeles, CA 90077		SFR	2	540	70				66	72	No	31	35	No	--	--	--	--	--
V-4-352	NB	818+57	2225 Roscomare Rd, Los Angeles, CA 90077		SFR	2	545	70				66	72	No	31	35	No	--	--	--	--	--
V-4-353	SB	819+13	2212 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	577	70				66	72	No	31	35	No	--	--	--	--	--
V-4-354	SB	819+30	2207 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	599	70				66	72	No	31	35	No	--	--	--	--	--
V-4-355	NB	819+31	2229 Roscomare Rd, Los Angeles, CA 90077		SFR	2	553	70				66	72	No	31	35	No	--	--	--	--	--
V-4-356	SB, NB	819+50	2218 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	578	70				66	72	No	31	35	No	--	--	--	--	--
V-4-357	NB	819+92	2235 Roscomare Rd, Los Angeles, CA 90077		SFR	2	567	70				66	72	No	31	35	No	--	--	--	--	--
V-4-358	SB	819+98	2213 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	589	70				66	72	No	31	35	No	--	--	--	--	--
V-4-359	SB	820+38	2219 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	582	70				66	72	No	31	35	No	--	--	--	--	--
V-4-360	SB	820+88	2225 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	575	70				66	72	No	31	35	No	--	--	--	--	--
V-4-361	NB	820+95	2241 Roscomare Rd, Los Angeles, CA 90077		SFR	2	577	70				66	72	No	31	35	No	--	--	--	--	--
V-4-362	SB, NB	821+50	2229 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	574	70				66	72	No	31	35	No	--	--	--	--	--
V-4-363	NB	821+73	2235 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	578	70				66	72	No	31	35	No	--	--	--	--	--
V-4-364	NB	822+38	2241 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	580	70				66	72	No	31	35	No	--	--	--	--	--
V-4-365	NB	823+04	2247 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	586	70				66	72	No	31	35	No	--	--	--	--	--
V-4-366	NB	823+49	2253 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	613	70				66	72	No	31	35	No	--	--	--	--	--
V-4-367	NB	837+25	2361 Nalin Dr, Los Angeles, CA 90077		SFR	2	486	70				66	72	No	31	35	No	--	--	--	--	--
V-4-368	NB	840+95	2379 Nalin Dr, Los Angeles, CA 90077		SFR	2	554	70				66	72	No	31	35	No	--	--	--	--	--
V-4-369	NB	843+25	2407 Nalin Dr, Los Angeles, CA 90077		SFR	2	513	70				66	72	No	31	35	No	--	--	--	--	--
V-4-370	SB	858+59	15474 Duomo Via St, Los Angeles, CA 90077		SFR	2	549	70				66	72	No	31	35	No	--	--	--	--	--
V-4-371	SB	862+79	15464 Duomo Via St, Los Angeles, CA 90077		SFR	2	612	70				66	72	No	31	35	No	--	--	--	--	--
V-4-372	NB	865+50	15406 Milldale Dr, Los Angeles, CA 90077		SFR	2	438	70				67	72	No	32	35	No	--	--	--	--	--
V-4-373	NB	866+28	15410 Milldale Dr, Los Angeles, CA 90077		SFR	2	430	70				67	72	No	32	35	No	--	--	--	--	--
V-4-374	SB	866+84	15494 Milldale Dr, Los Angeles, CA 90077		SFR	2	516	70				66	72	No	31	35	No	--	--	--	--	--
V-4-375	SB	867+00	15490 Milldale Dr, Los Angeles, CA 90077		SFR	2	473	70				67	72	No	32	35	No	--	--	--	--	--
V-4-376	NB	868+49	15430 Milldale Dr, Los Angeles, CA 90077		SFR	2	447	70				67	72	No	32	35	No	--	--	--	--	--
V-4-377	NB	868+85	15440 Milldale Dr, Los Angeles, CA 90077		SFR	2	445	70				67	72	No	32	35	No	--	--	--	--	--
V-4-378	SB	868+98	15470 Milldale Dr, Los Angeles, CA 90077		SFR	2	482	70				67	72	No	32	35	No	--	--	--	--	--
V-4-379	SB, NB	869+50	15450 Milldale Dr, Los Angeles, CA 90077		SFR	2	461	70				67	72	No	32	35	No	--	--	--	--	--
V-4-380	NB	870+42	15441 Milldale Dr, Los Angeles, CA 90077	**Linda Flora Dr to Mulholland Dr**	SFR	2	462	70				67	72	No	32	35	No	--	--	--	--	--
V-4-381	SB, NB	871+00	15467 Milldale Dr, Los Angeles, CA 90077		SFR	2	465	70				67	72	No	32	35	No	--	--	--	--	--
V-4-382	NB	871+23	15451 Milldale Dr, Los Angeles, CA 90077		SFR	2	461	70				67	72	No	32	35	No	--	--	--	--	--
V-4-383	NB	872+48	15455 Milldale Dr, Los Angeles, CA 90077		SFR	2	490	70				66	72	No	31	35	No	--	--	--	--	--
V-4-384	SB, NB	872+50	15461 Milldale Dr, Los Angeles, CA 90077		SFR	2	476	70				67	72	No	32	35	No	--	--	--	--	--
V-4-385	SB	873+00	15501 Milldale Dr, Los Angeles, CA 90077		SFR	2	520	70				66	72	No	31	35	No	--	--	--	--	--
V-4-386	SB	875+30	Stephen Wise School - Aaron Milken Center 15500 Stephen S Wise Dr, Los Angeles, CA 90077		Educational	3	579	70				66	75	No	31	40	No	--	--	--	--	--
V-4-387	SB, NB	876+00	Stephen Wise School 15500 Stephen S Wise Dr, Los Angeles, CA 90077		Educational	3	573	70				66	75	No	31	40	No	--	--	--	--	--
V-4-388	SB	880+44	Stephen Wise Temple 15500 Stephen S Wise Dr, Los Angeles, CA 90077		Religious	3	580	70				66	75	No	31	40	No	--	--	--	--	--
V-4-389	NB	880+59	15430 Mulholland Dr, Los Angeles, CA 90077		SFR	2	562	70				66	72	No	31	35	No	--	--	--	--	--
V-4-390	NB	883+88	15411 Mulholland Dr, Los Angeles, CA 90077		SFR	2	587	70				66	72	No	31	35	No	--	--	--	--	--
V-4-391	SB	885+00	15431 Mulholland Dr, Los Angeles, CA 90077		SFR	2	506	70				66	72	No	31	35	No	--	--	--	--	--
V-4-392	NB	886+58	15462 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	486	70				66	72	No	31	35	No	--	--	--	--	--
V-4-393	SB	886+57	15464 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	484	70				66	72	No	31	35	No	--	--	--	--	--
V-4-394	NB	887+09	15446 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	463	70				67	72	No	32	35	No	--	--	--	--	--
V-4-395	SB	887+39	15470 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	508	70				66	72	No	31	35	No	--	--	--	--	--
V-4-396	SB, NB	887+50	15454 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	463	70				67	72	No	32	35	No	--	--	--	--	--
V-4-397	SB	888+00	15475 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	517	70				66	72	No	31	35	No	--	--	--	--	--
V-4-398	NB	888+00	15450 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	452	70				67	72	No	32	35	No	--	--	--	--	--
V-4-399	SB	888+26	15463 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	478	70				67	72	No	32	35	No	--	--	--	--	--
V-4-400	NB	888+53	3339 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	474	70				67	72	No	32	35	No	--	--	--	--	--
V-4-401	NB	888+56	15440 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	449	70				67	72	No	32	35	No	--	--	--	--	--
V-4-402	SB, NB	889+00	15451 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	454	70				67	72	No	32	35	No	--	--	--	--	--
V-4-403	NB	889+44	15430 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	447	70				67	72	No	32	35	No	--	--	--	--	--
V-4-404	NB	889+50	15431 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	440	70				67	72	No	32	35	No	--	--	--	--	--
V-4-405	SB	890+01	3355 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	424	70				67	72	No	32	35	No	--	--	--	--	--
V-4-406	SB	890+13	3361 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	429	70				67	72	No	32	35	No	--	--	--	--	--
V-4-407	NB	890+36	3340 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	472	70				67	72	No	32	35	No	--	--	--	--	--
V-4-408	NB	890+76	15440 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	460	70				67	72	No	32	35	No	--	--	--	--	--
V-4-409	SB	891+00	3354 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	424	70				67	72	No	32	35	No	--	--	--	--	--
V-4-410	NB	891+00	3350 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	424	70				67	72	No	32	35	No	--	--	--	--	--
V-4-411	SB	891+20	3358 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	422	70				67	72	No	32	35	No	--	--	--	--	--
V-4-412	SB	891+22	3362 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	432	70				67	72	No	32	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-413	NB	891+63	15400 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	454	70				67	72	No	32	35	No	--	--	--	--	--
V-4-414	NB	891+90	15417 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	417	70				67	72	No	32	35	No	--	--	--	--	--
V-4-415	NB	892+30	15409 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	423	70				67	72	No	32	35	No	--	--	--	--	--
V-4-416	SB	893+43	3497 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	356	70				68	72	No	33	35	No	--	--	--	--	--
V-4-417	SB	894+50	3500 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	344	70				68	72	No	33	35	No	--	--	--	--	--
V-4-418	SB	894+87	3490 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	326	70				68	72	No	33	35	No	--	--	--	--	--
V-4-419	SB, NB	895+50	3486 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	326	70				68	72	No	33	35	No	--	--	--	--	--
V-4-420	NB	895+72	3482 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	321	70				68	72	No	33	35	No	--	--	--	--	--
V-4-421	SB	895+78	3506 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	324	70				68	72	No	33	35	No	--	--	--	--	--
V-4-422	NB	895+82	3478 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	331	70				68	72	No	33	35	No	--	--	--	--	--
V-4-423	SB	896+18	3512 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	306	70				68	72	No	33	35	No	--	--	--	--	--
V-4-424	SB	896+89	3518 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	278	70				68	72	No	33	35	No	--	--	--	--	--
V-4-425	NB	897+39	15428 Stonewood Terrace, Sherman Oaks, CA 91403		SFR	2	268	70				69	72	No	34	35	No	--	--	--	--	--
V-4-426	SB, NB	898+00	15438 Stonewood Terrace, Sherman Oaks, CA 91403		SFR	2	243	70				69	72	No	34	35	No	--	--	--	--	--
V-4-427	SB	898+00	3519 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	302	70				68	72	No	33	35	No	--	--	--	--	--
V-4-428	NB	898+41	15417 Stonewood Terrace, Sherman Oaks, CA 91403		SFR	2	292	70				68	72	No	33	35	No	--	--	--	--	--
V-4-429	SB	898+54	3525 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	269	70				69	72	No	34	35	No	--	--	--	--	--
V-4-430	NB	898+98	3542 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	239	70				69	72	No	34	35	No	--	--	--	--	--
V-4-431	SB	899+24	3535 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	247	70				69	72	No	34	35	No	--	--	--	--	--
V-4-432	NB	899+34	3550 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	251	70				69	72	No	34	35	No	--	--	--	--	--
V-4-433	SB, NB	899+75	3541 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	234	70				69	72	No	34	35	No	--	--	--	--	--
V-4-434	NB	899+91	3558 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	279	70				68	72	No	33	35	No	--	--	--	--	--
V-4-435	NB	900+34	3551 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	226	70				69	72	No	34	35	No	--	--	--	--	--
V-4-436	SB, NB	900+50	15434 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	228	70				69	72	No	34	35	No	--	--	--	--	--
V-4-437	NB	901+24	15421 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	256	70				69	72	No	34	35	No	--	--	--	--	--
V-4-438	SB	901+37	15442 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	231	70				69	72	No	34	35	No	--	--	--	--	--
V-4-439	NB	901+69	15431 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	225	70				69	72	No	34	35	No	--	--	--	--	--
V-4-440	NB	902+30	15441 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	220	70				69	72	No	34	35	No	--	--	--	--	--
V-4-441	SB	902+60	15448 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	235	70				69	72	No	34	35	No	--	--	--	--	--
V-4-442	NB	903+06	15457 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	222	70				69	72	No	34	35	No	--	--	--	--	--
V-4-443	SB	903+22	15452 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	223	70				69	72	No	34	35	No	--	--	--	--	--
V-4-444	NB	903+40	3649 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	253	70				69	72	No	34	35	No	--	--	--	--	--
V-4-445	SB, NB	903+50	15460 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	221	70				69	72	No	34	35	No	--	--	--	--	--
V-4-446	NB	904+35	3653 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	239	70				69	72	No	34	35	No	--	--	--	--	--
V-4-447	SB, NB	905+00	15467 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	225	70				69	72	No	34	35	No	--	--	--	--	--
V-4-448	NB	905+43	3657 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	232	70				69	72	No	34	35	No	--	--	--	--	--
V-4-449	SB, NB	905+50	15470 Vista Haven Pl, Sherman Oaks, CA 91403		SFR	2	228	70				69	72	No	34	35	No	--	--	--	--	--
V-4-450	SB	906+05	3610 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	370	70				67	72	No	32	35	No	--	--	--	--	--
V-4-451	NB	906+26	3661 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	222	70				69	72	No	34	35	No	--	--	--	--	--
V-4-452	NB	907+10	3667 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	212	70				69	72	No	34	35	No	--	--	--	--	--
V-4-453	SB	907+84	3618 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	322	70				68	72	No	33	35	No	--	--	--	--	--
V-4-454	NB	908+05	3671 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	199	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-455	SB	908+42	3637 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	344	70				68	72	No	33	35	No	--	--	--	--	--
V-4-456	SB	908+50	3642 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	303	70				68	72	No	33	35	No	--	--	--	--	--
V-4-457	NB	908+57	3677 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	195	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-458	NB	909+32	3681 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	226	70				69	72	No	34	35	No	--	--	--	--	--
V-4-459	SB	909+57	3656 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	287	70				68	72	No	33	35	No	--	--	--	--	--
V-4-460	SB	909+60	3647 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	320	70				68	72	No	33	35	No	--	--	--	--	--
V-4-461	SB	909+96	3657 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	315	70				68	72	No	33	35	No	--	--	--	--	--
V-4-462	SB	910+50	3666 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	271	70				69	72	No	34	35	No	--	--	--	--	--
V-4-463	SB	911+47	3671 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	293	70				68	72	No	33	35	No	--	--	--	--	--
V-4-464	SB, NB	912+00	3700 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	262	70				69	72	No	34	35	No	--	--	--	--	--
V-4-465	SB	912+32	3679 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	278	70				68	72	No	33	35	No	--	--	--	--	--
V-4-466	SB	912+96	3695 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	322	70				68	72	No	33	35	No	--	--	--	--	--
V-4-467	SB, NB	913+00	3710 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	262	70				69	72	No	34	35	No	--	--	--	--	--
V-4-468	SB	913+24	3711 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	278	70				68	72	No	33	35	No	--	--	--	--	--
V-4-469	SB	914+15	3723 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	298	70				68	72	No	33	35	No	--	--	--	--	--
V-4-470	SB	915+18	3735 Scadlock Ln, Sherman Oaks, CA 91403	**Mulholland Dr to North Tunnel Portal**	SFR	2	269	70				69	72	No	34	35	No	--	--	--	--	--
V-4-471	SB	915+75	3745 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	263	70				69	72	No	34	35	No	--	--	--	--	--
V-4-472	SB	916+00	3742 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	230	70				69	72	No	34	35	No	--	--	--	--	--
V-4-473	SB	916+82	3751 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	273	70				69	72	No	34	35	No	--	--	--	--	--
V-4-474	SB	917+00	3754 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	224	70				69	72	No	34	35	No	--	--	--	--	--
V-4-475	NB	917+28	3801 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	221	70				69	72	No	34	35	No	--	--	--	--	--
V-4-476	SB	917+76	3761 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	274	70				69	72	No	34	35	No	--	--	--	--	--
V-4-477	SB	918+00	3800 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	214	70				69	72	No	34	35	No	--	--	--	--	--
V-4-478	SB	918+47	3807 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	268	70				69	72	No	34	35	No	--	--	--	--	--
V-4-479	NB	918+74	3803 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	180	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-480	NB	919+85	3833 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	169	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-481	SB	919+87	3819 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	261	70				69	72	No	34	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 4
Groundborne Vibration and Noise Impact Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover Point		Behind Station Structure?	Calculated Adjusted Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
									<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-4-482	SB	920+00	3820 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	197	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-483	SB	920+68	3831 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	265	70				69	72	No	34	35	No	--	--	--	--	--
V-4-484	SB	920+78	3834 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	189	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-485	SB, NB	921+50	3842 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	183	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-486	SB	921+92	3839 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	244	70				69	72	No	34	35	No	--	--	--	--	--
V-4-487	NB	922+03	3855 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	203	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-488	SB, NB	922+50	3852 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	168	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-489	NB	923+40	3860 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	156	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-490	NB	924+16	3868 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	155	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-491	SB	924+24	15426 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	187	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-492	SB, NB	924+50	3865 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	150	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-493	NB	924+98	3900 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	147	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-494	SB, NB	925+75	15411 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	131	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-495	NB	925+98	3908 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	151	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-496	SB	926+09	15450 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	223	70				69	72	No	34	35	No	--	--	--	--	--
V-4-497	SB, NB	926+50	3911 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	116	70				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-498	NB	926+87	3918 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	152	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-499	SB	926+95	15442 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	150	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-500	SB, NB	927+50	3921 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	106	70				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-501	SB	927+95	15434 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	122	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-502	NB	928+12	3927 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	92	70				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-503	NB	928+13	3934 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	160	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-504	SB	928+69	15441 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	210	70				69	72	No	34	35	No	--	--	--	--	--
V-4-505	NB	929+00	15410 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	80	70				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-506	SB	929+20	15420 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	98	70				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-507	SB	929+47	15431 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	160	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-4-508	SB	930+00	15421 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	116	70				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-4-509	NB	930+39	4014 Deerhorn Dr, Sherman Oaks, CA 91403		SFR	2	146	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-510	NB	930+50	15409 Deerhorn Rd, Sherman Oaks, CA 91403		SFR	2	73	70				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-4-511	NB	931+67	4031 Deerhorn Dr, Sherman Oaks, CA 91403		SFR	2	149	70				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-4-512	SB	932+68	15531 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	262	69				69	72	No	34	35	No	--	--	--	--	--
V-4-513	SB	933+30	15539 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	245	68				69	72	No	34	35	No	--	--	--	--	--
V-4-514	SB	933+97	15545 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	235	68				69	72	No	34	35	No	--	--	--	--	--
V-4-515	SB	934+31	15553 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	225	68				69	72	No	34	35	No	--	--	--	--	--
V-4-516	SB	934+81	15559 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	218	67				69	72	No	34	35	No	--	--	--	--	--
V-4-517	SB	935+42	15567 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	214	67				69	72	No	34	35	No	--	--	--	--	--
V-4-518	SB	936+50	15573 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	215	66				69	72	No	34	35	No	--	--	--	--	--
V-4-519	SB	936+77	15570 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	242	66				68	72	No	33	35	No	--	--	--	--	--
V-4-520	SB	937+36	15578 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	233	66				69	72	No	34	35	No	--	--	--	--	--
V-4-521	SB, NB	937+50	15581 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	218	70				69	72	No	34	35	No	--	--	--	--	--
V-4-522	SB, NB	938+50	15589 Briarwood Dr, Van Nuys, CA 91403		SFR	2	220	70				69	72	No	34	35	No	--	--	--	--	--
V-4-523	SB	939+00	15588 Briarwood Dr, Van Nuys, CA 91403		SFR	2	223	65				69	72	No	34	35	No	--	--	--	--	--
V-4-524	SB, NB	939+50	15594 Briarwood Dr, Sherman Oaks, CA 91403		SFR	2	222	70				69	72	No	34	35	No	--	--	--	--	--
		944+80	**Tunnel Portal**																			

Attachment 12. Alternative 5: Off-Road Construction Equipment Noise Levels

Sepulveda Transit Corridor
Alternative 5
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Launch Box SOE	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Launch Box Excavation	Cranes	2	83	20%	79	87
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Launch Box Concrete Work	Cranes	2	83	20%	79	86
	Generator Sets	2	82	50%	82	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-TBM Mobilization	Cranes	4	83	20%	82	86
	Generator Sets	2	82	40%	81	
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-TBM Tunneling/Precast Liners	Aerial Lifts	2	77	40%	76	84
	Cranes	2	83	20%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Invert Fill	Aerial Lifts	1	77	40%	73	81
	Air Compressors	1	80	50%	77	
	Rollers	1	85	20%	78	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Invert Slabs, Walkways, Plenum	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	2	85	40%	84	
Segment 1-Reach 1 Tunnel (Southern Terminus to UCLA Stn)-Trackwork/Systems Installation	Aerial Lifts	1	77	40%	73	84
	Air Compressors	2	80	50%	80	
	Generator Sets	2	82	40%	81	
	Welders	3	73	40%	74	
Segment 4-Reach 2 Tunnel (Sep-Vta Stn to UCLA Stn)-TBM Mobilization	Cranes	4	83	50%	86	88
	Generator Sets	2	82	20%	78	
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
Segment 4-Reach 2 Tunnel (Sep-Vta Stn to UCLA Stn)-TBM Tunneling/Precast Liners	Aerial Lifts	4	77	40%	79	87
	Cranes	4	83	20%	82	
	Rough Terrain Forklifts	4	80	40%	82	
	Tractors/Loaders/Backhoes	4	80	40%	82	
Segment 4-Reach 2 Tunnel (Sep-Vta Stn to UCLA Stn)-TBM Demobilization	Cranes	4	83	20%	82	86
	Generator Sets	2	82	40%	81	
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
Segment 4-Reach 2 Tunnel (Sep-Vta Stn to UCLA Stn)-Invert Fill	Aerial Lifts	1	77	40%	73	81
	Air Compressors	1	80	50%	77	
	Rollers	1	85	20%	78	
Segment 4-Reach 2 Tunnel (Sep-Vta Stn to UCLA Stn)-Invert Slabs, Walkways, Plenum	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	2	85	40%	84	
Segment 4-Reach 2 Tunnel (Sep-Vta Stn to UCLA Stn)-Trackwork/Systems Installation	Aerial Lifts	2	77	40%	76	86
	Air Compressors	2	80	50%	80	
	Generator Sets	2	82	50%	82	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-Launch Box SOE	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-Launch Box Excavation	Cranes	2	83	20%	79	87
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-Launch Box Concrete Work	Cranes	2	83	20%	79	86
	Generator Sets	2	82	50%	82	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-TBM Mobilization	Cranes	4	83	20%	82	86
	Generator Sets	2	82	40%	81	
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-TBM Tunneling/Precast Liners	Aerial Lifts	2	77	40%	76	84
	Cranes	2	83	20%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-TBM Demobilization	Cranes	4	83	20%	82	86
	Generator Sets	2	82	40%	81	
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-Invert Fill	Aerial Lifts	1	77	40%	73	81
	Air Compressors	1	80	50%	77	
	Rollers	1	85	20%	78	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-Invert Slabs, Walkways, Plenum	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	2	85	40%	84	
Segment 5-Reach 3 Tunnel (Portal to Sep-Vta Stn)-Trackwork/Systems Installation	Aerial Lifts	2	77	40%	76	85
	Air Compressors	2	80	50%	80	
	Generator Sets	2	82	40%	81	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-Cut Cover Box Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-Cut-Cover Box SOE	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-Cut-Cover Box Excavation	Cranes	2	83	20%	79	87
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-Cut-Cover Concrete Work	Cranes	2	83	50%	83	86
	Generator Sets	2	82	20%	78	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-Cut-Cover Trackwork/Systems Installation	Aerial Lifts	2	77	40%	76	83
	Generator Sets	2	82	20%	78	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	

Sepulveda Transit Corridor
Alternative 5
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Segment 6-Reach 3 Portal to MSF-AG-Foundation (CIDH)	Aerial Lifts	2	77	40%	76	91
	Bore/Drill Rigs	2	90	40%	89	
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rollers	2	85	20%	81	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-AG-Columns	Aerial Lifts	2	77	40%	76	84
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-AG-Bent Caps	Aerial Lifts	2	77	40%	76	84
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-AG-Assemble Gantry	Aerial Lifts	4	77	40%	79	85
	Cranes	4	83	20%	82	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-AG-Segmental Girders	Aerial Lifts	2	77	40%	76	87
	Cranes	4	83	20%	82	
	Excavators	2	85	40%	84	
	Other Construction Equipment	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-AG-Demob Gantry	Aerial Lifts	4	77	40%	79	85
	Cranes	4	83	20%	82	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 6-Reach 3 Portal to MSF-AG-Guideway Trackwork	Aerial Lifts	2	77	40%	76	86
	Air Compressors	2	80	50%	80	
	Generator Sets	2	82	40%	81	
	Skid Steer Loaders	2	80	40%	79	
	Welders	3	73	40%	74	
Segment 6-Reach 3 Portal to MSF-AG-Systems Installation	Air Compressors	2	80	50%	80	85
	Generator Sets	2	82	40%	81	
	Cranes	2	83	20%	79	
	Welders	2	73	40%	72	
Segment 6-Reach 3 Portal to MSF-Paving	Pavers	1	85	40%	81	85
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
TBM Access Shaft/Staging Site-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
TBM Access Shaft/Staging Site-Shaft SOE	Bore/Drill Rigs	2	90	40%	89	91
	Cranes	2	83	40%	82	
	Pumps	2	77	40%	76	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
TBM Access Shaft/Staging Site-Shaft Excavation	Cranes	2	83	20%	79	87
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
TBM Access Shaft/Staging Site-Shaft Concrete Work	Cranes	2	83	20%	79	84
	Generator Sets	2	82	20%	78	
	Pumps	2	77	40%	76	
	Rough Terrain Forklifts	2	80	40%	79	
TBM Access Shaft/Staging Site-Staging Area TBM Support Activities	Aerial Lifts	2	77	40%	76	86
	Cranes	2	83	20%	79	
	Rough Terrain Forklifts	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt5-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	91
	Cranes	2	83	40%	82	
	Pumps	2	77	40%	76	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt5-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt5-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	80
	Generator Sets	1	82	40%	78	
Metro E Line Stn_U-Alt5-Station Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metro E Line Stn_U-Alt5-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
Metro E Line Stn_U-Alt5-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
Santa Monica Stn_U-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Santa Monica Stn_U-Alt5-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Santa Monica Stn_U-Alt5-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Santa Monica Stn_U-Alt5-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	80
	Generator Sets	1	82	40%	78	
Santa Monica Stn_U-Alt5-Station Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Santa Monica Stn_U-Alt5-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	

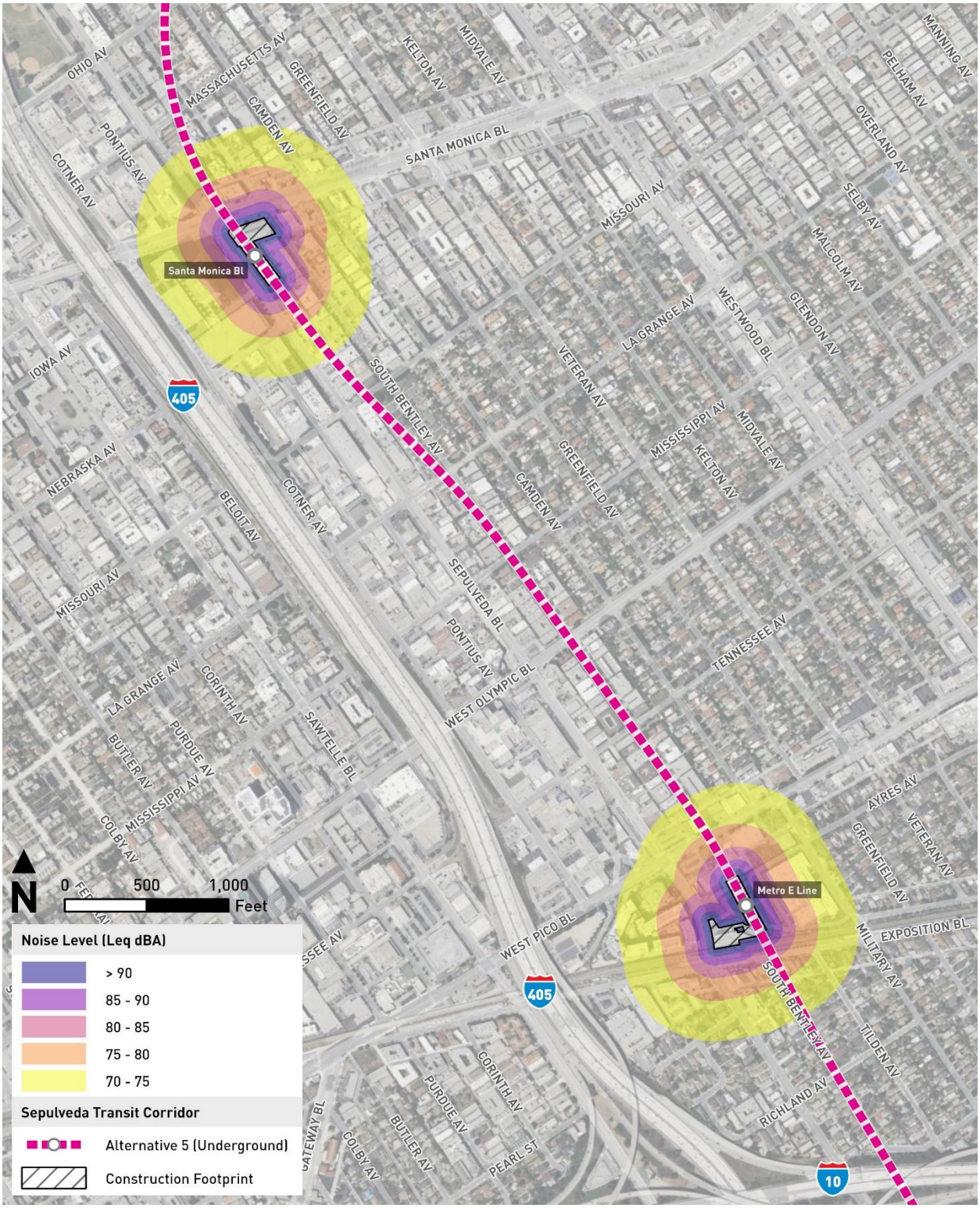
Sepulveda Transit Corridor
Alternative 5
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
D Line Wilshire-Westwood Stn_U-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt5-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt5-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt5-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	80
	Generator Sets	1	82	40%	78	
D Line Wilshire-Westwood Stn_U-Alt5-Station Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
D Line Wilshire-Westwood Stn_U-Alt5-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
UCLA Stn_U-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt5-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt5-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt5-Structural Concrete Part 1	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt5-Structural Concrete Part 2 (Post 2 TBM Walk-Thru)	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
UCLA Stn_U-Alt5-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
Ventura Blvd Stn_U-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Ventura Blvd Stn_U-Alt5-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Ventura Blvd Stn_U-Alt5-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Ventura Blvd Stn_U-Alt5-Box Concrete Work	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Ventura Blvd Stn_U-Alt5-Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Ventura Blvd Stn_U-Alt5-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
Ventura Blvd Stn_U-Alt5-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
Sepulveda-Metro G Line Stn_U-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sepulveda-Metro G Line Stn_U-Alt5-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sepulveda-Metro G Line Stn_U-Alt5-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sepulveda-Metro G Line Stn_U-Alt5-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	80
	Generator Sets	1	82	40%	78	
Sepulveda-Metro G Line Stn_U-Alt5-Station Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sepulveda-Metro G Line Stn_U-Alt5-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
Sherman Way Stn_U-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	

Sepulveda Transit Corridor
Alternative 5
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

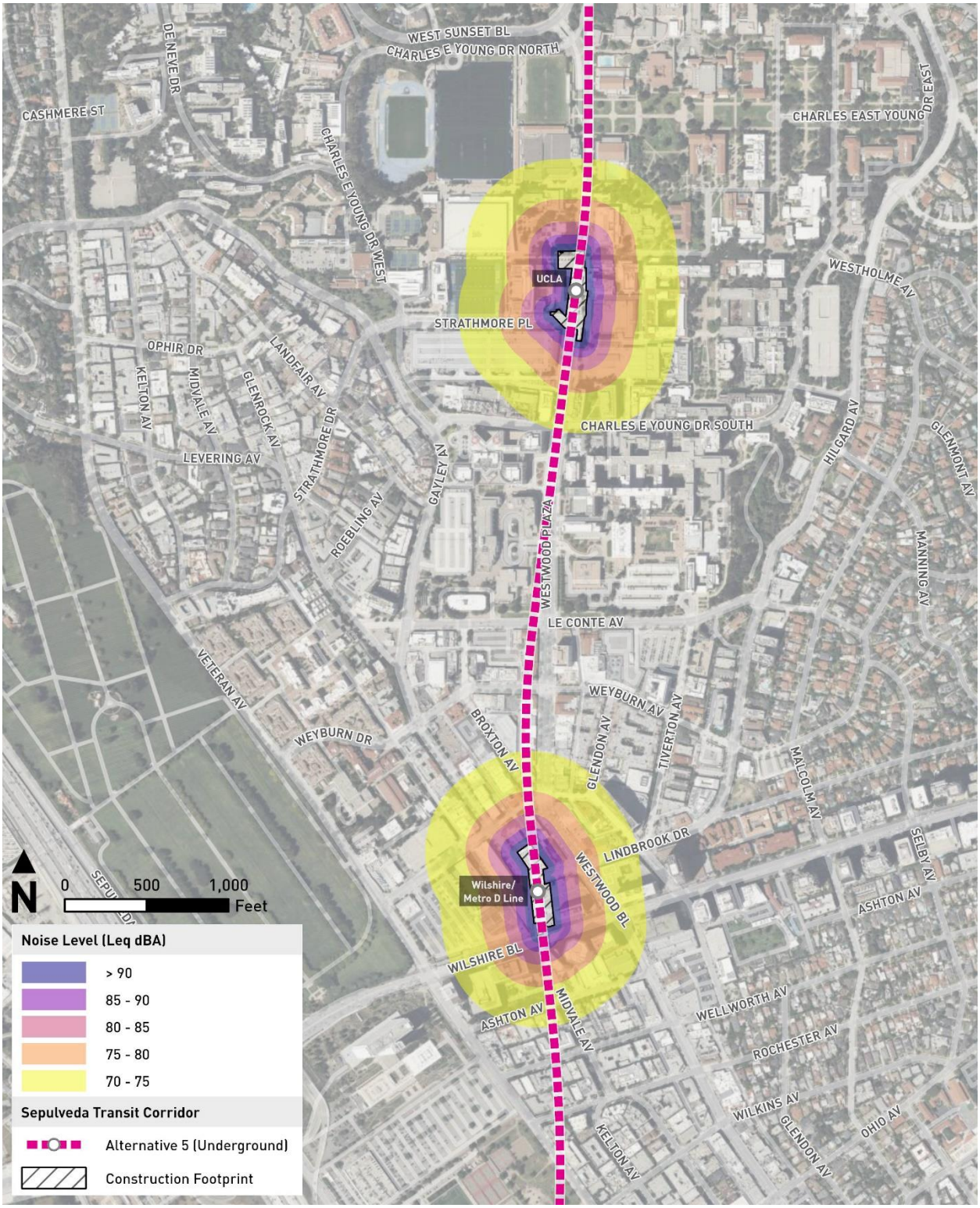
Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Sherman Way Stn_U-Alt5-Support of Excavation	Bore/Drill Rigs	2	90	40%	89	90
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sherman Way Stn_U-Alt5-Box Excavation	Aerial Lifts	2	77	40%	76	87
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sherman Way Stn_U-Alt5-TBM Pass Through-Maintenance	Cranes	1	83	20%	76	80
	Generator Sets	1	82	40%	78	
Sherman Way Stn_U-Alt5-Station Structural Concrete	Aerial Lifts	2	77	40%	76	88
	Cranes	2	83	20%	79	
	Excavators	2	85	40%	84	
	Pumps	2	77	50%	77	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Sherman Way Stn_U-Alt5-Fit Out and Completion	Aerial Lifts	2	77	40%	76	85
	Cement and Mortar Mixers	1	85	40%	81	
	Generator Sets	2	82	40%	81	
	Pumps	1	77	50%	74	
	Welders	2	73	40%	72	
Sherman Way Stn_U-Alt5-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
Metrolink Van Nuys Stn_A-Alt5-Demolition/Site Preparation	Air Compressors	1	80	50%	77	88
	Concrete/Industrial Saws	2	90	20%	86	
	Rough Terrain Forklifts	1	80	40%	76	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metrolink Van Nuys Stn_A-Alt5-Foundations and Columns	Bore/Drill Rigs	2	90	40%	89	91
	Cranes	3	83	20%	81	
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
Metrolink Van Nuys Stn_A-Alt5-Bent Cap Installation	Aerial Lifts	4	77	40%	79	86
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Metrolink Van Nuys Stn_A-Alt5-Girder Installation/Station Fit Out	Aerial Lifts	4	77	40%	79	88
	Air Compressors	4	80	50%	83	
	Cranes	4	83	20%	82	
	Other Construction Equipment	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Metrolink Van Nuys Stn_A-Alt5-Paving/Arch Coatings	Aerial Lifts	1	77	40%	73	86
	Air Compressors	1	80	50%	77	
	Pavers	1	85	40%	81	
	Paving Equipment	1	85	40%	81	
	Rollers	1	85	20%	78	
TPSS 11-Sta 1260-Site Preparation-Traction Power Utils	Trenchers	1	80	20%	73	80
	Skid Steer Loaders	1	80	40%	76	
	Tractors/Loaders/Backhoes	1	80	40%	76	
TPSS 11-Sta 1260-Grounding-Foundations	Cranes	1	83	20%	76	80
	Pumps	1	77	50%	74	
	Tractors/Loaders/Backhoes	1	80	40%	76	
TPSS 11-Sta 1260-TPSS Installation	Aerial Lifts	1	77	40%	73	80
	Cranes	1	83	20%	76	
	Rough Terrain Forklifts	1	80	40%	76	
	Welders	1	73	40%	69	
TPSS 11-Sta 1260-Site Restoration	Air Compressors	1	80	50%	77	82
	Generator Sets	1	82	40%	78	
	Skid Steer Loaders	1	80	40%	76	
MSF-Demolition	Concrete/Industrial Saws	1	90	20%	83	89
	Excavators	3	85	40%	86	
	Rubber Tired Dozers	2	85	40%	84	
MSF-Site Preparation	Rubber Tired Dozers	3	85	40%	86	87
	Tractors/Loaders/Backhoes	4	80	40%	82	
MSF-Grading	Excavators	2	85	40%	84	89
	Graders	1	85	40%	81	
	Rubber Tired Dozers	1	85	40%	81	
	Scrapers	2	85	40%	84	
	Tractors/Loaders/Backhoes	2	80	40%	79	
MSF-Building Construction	Cranes	1	83	20%	76	84
	Forklifts	3	75	40%	76	
	Generator Sets	1	82	40%	78	
	Tractors/Loaders/Backhoes	3	80	40%	81	
	Welders	1	73	40%	69	
MSF-Paving	Pavers	2	85	40%	84	88
	Paving Equipment	2	85	40%	84	
	Rollers	2	85	20%	81	
MSF-Archictectural Coating	Air Compressors	1	80	50%	77	77
MSF-Test Track	Aerial Lifts	2	77	40%	76	81
	Rough Terrain Forklifts	2	80	40%	79	
	Welders	2	73	40%	72	
Precast Yard-Alt 5 Concrete Activity	Cranes	2	83	20%	79	89
	Cement and Mortar Mixers	2	85	40%	84	
	Generator Sets	2	82	40%	81	
	Other General Industrial Equipment	1	80	40%	76	
	Pumps	2	77	50%	77	
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
NCZ Staging Area-Staging Activity	Cranes	1	83	20%	76	85
	Rough Terrain Forklifts	2	80	40%	79	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	
SCZ Staging Area-Staging Activity	Cranes	1	83	20%	76	85
	Rough Terrain Forklifts	2	80	40%	79	
	Skid Steer Loaders	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	

Figure L-1. Alternative 5: Construction Equipment Noise Contours – View 1



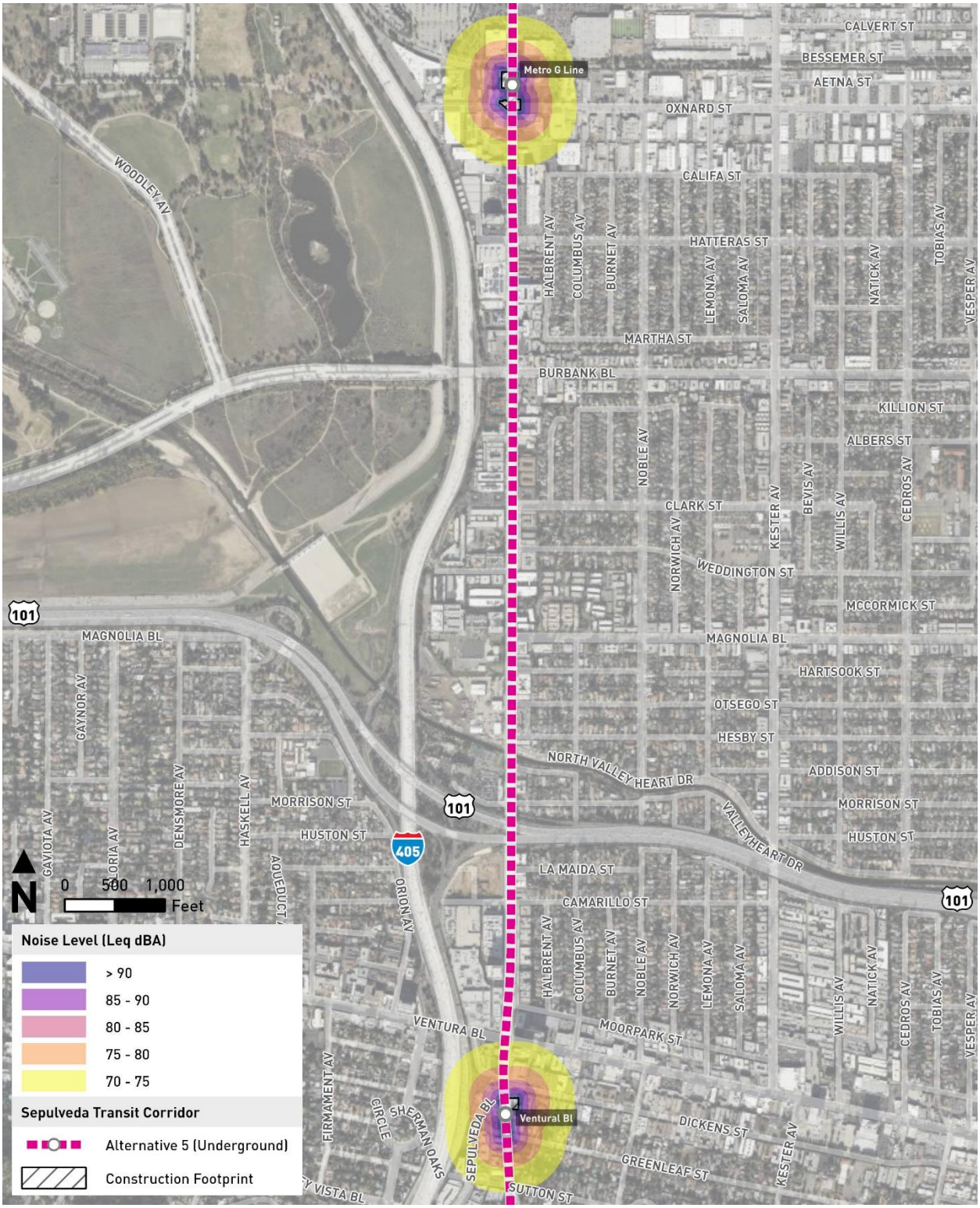
Source: HTA, 2024

Figure L-2. Alternative 5: Construction Equipment Noise Contours – View 2



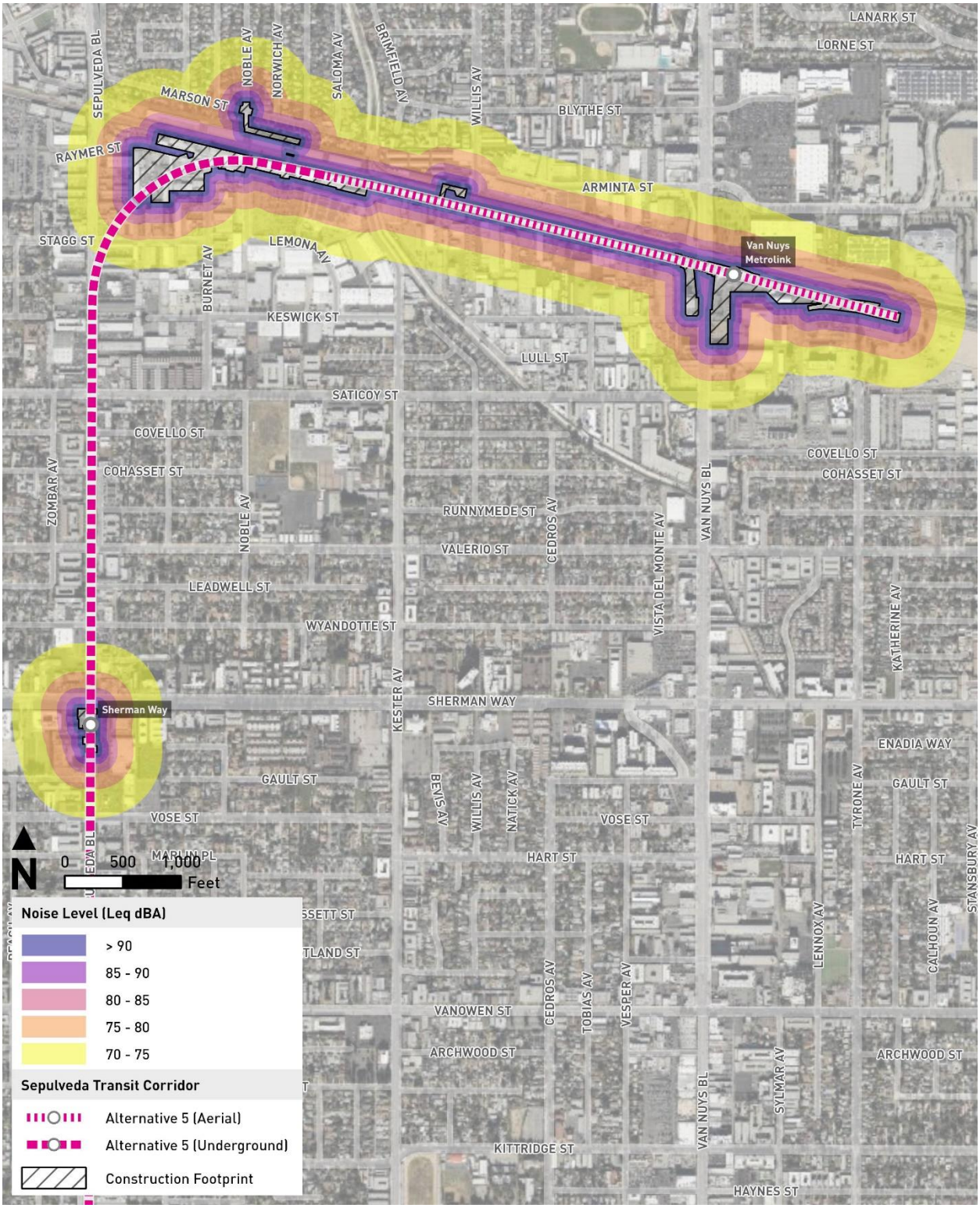
Source: HTA, 2024

Figure L-3. Alternative 5: Construction Equipment Noise Contours – View 3



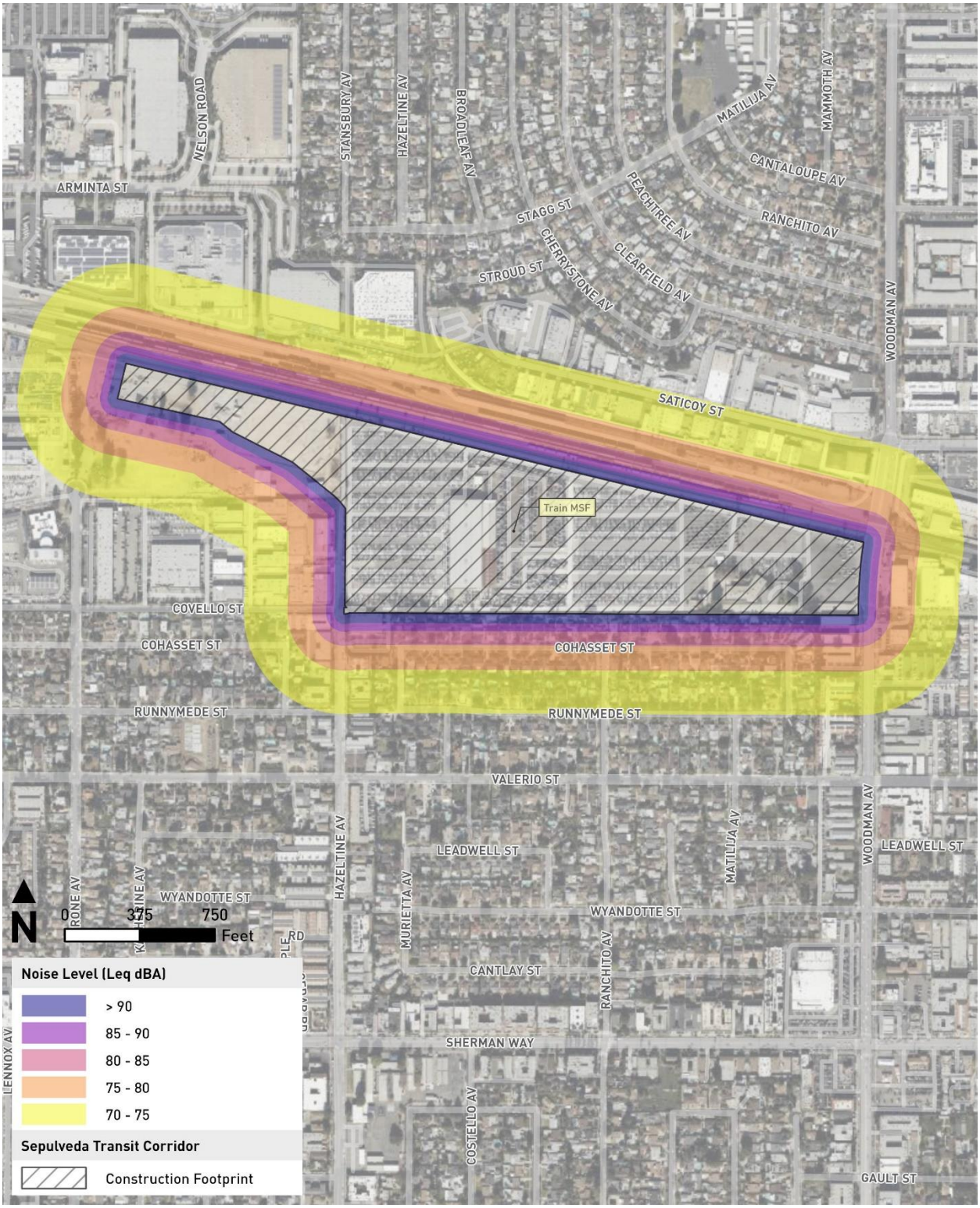
Source: HTA, 2024

Figure L-4. Alternative 5: Construction Equipment Noise Contours – View 4



Source: HTA, 2024

Figure L-5. Alternative 5: Construction Equipment Noise Contours – Proposed MSF



Source: HTA, 2024

Attachment 13. Alternative 5: Groundborne Vibration and Noise Impact Locations and Mitigation

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-1	NB	476+16	11120 National Blvd, Los Angeles, CA 90064		MFR	2	169	90.7	192	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-2	SB	477+11	Westside Dental Associates 2990 S Sepulveda Blvd, Los Angeles, CA 90064		Medical Bldg	3	41	87.0	96	10	55				55	75	No	20	40	No	--	--	--	--	--
V-5-3	NB	479+03	2937 S Bentley Ave, Los Angeles, CA 90064		SFR	2	82	84.6	118	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-4	NB	479+44	2931 S Bentley Ave, Los Angeles, CA 90064		SFR	2	54	84.8	101	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-5	NB	480+07	2925 S Bentley Ave, Los Angeles, CA 90064		SFR	2	72	83.7	111	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-6	SB	479+70	Maple Tree Academy, West LA Campus 2920 S Sepulveda Blvd, Los Angeles, CA 90064		Institutional/ Day Care	3	85	84.4	120	10	55				55	75	No	20	40	No	--	--	--	--	--
V-5-7	NB	480+35	2919 S Bentley Ave, Los Angeles, CA 90064		SFR	2	28	83.2	88	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-8	NB	481+02	2916 S Bentley Ave, Los Angeles, CA 90064		SFR	2	189	82.0	206	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-9	NB	480+86	2913 S Bentley Ave, Los Angeles, CA 90064		SFR	2	44	82.8	94	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-10	SB	481+23	2900 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	9	81.7	82	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-11	NB	481+66	2907 S Bentley Ave, Los Angeles, CA 90064		SFR	2	23	81.9	85	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-12	NB	482+31	2901 S Bentley Ave, Los Angeles, CA 90064		SFR	2	41	81.7	91	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-13	SB	482+43	2850 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	26	81.5	85	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-14	NB	482+67	2845 S Bentley Ave, Los Angeles, CA 90064		SFR	2	21	81.1	84	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-15	SB	482+84	2840 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	27	80.8	85	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-16	NB	483+08	2844 S Bentley Ave, Los Angeles, CA 90064		SFR	2	165	81.4	184	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-17	NB	483+32	2841 S Bentley Ave, Los Angeles, CA 90064		SFR	2	15	80.4	82	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-18	SB	483+36	2830 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	35	79.9	87	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-19	NB	483+85	2835 S Bentley Ave, Los Angeles, CA 90064		SFR	2	22	80.0	83	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-20	NB	484+35	2829 S Bentley Ave, Los Angeles, CA 90064		SFR	2	16	80.1	82	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-21	SB	484+37	2820 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	39	79.1	88	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-22	NB	484+79	2823 S Bentley Ave, Los Angeles, CA 90064		SFR	2	13	79.3	80	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-23	NB	484+55	2828 S Bentley Ave, Los Angeles, CA 90064	**National Blvd to I-10**	SFR	2	155	79.8	174	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-24	NB	485+03	2817 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	79.9	80	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-25	SB	485+36	2812 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	68	78.3	104	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-26	NB	485+87	2813 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	78.9	79	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-27	NB	486+01	2810 S Bentley Ave, Los Angeles, CA 90064		SFR	2	124	78.7	147	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-28	SB	485+89	2810 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	49	78.4	92	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-29	NB	486+25	2809 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	78.7	79	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-30	NB	486+43	2808 S Bentley Ave, Los Angeles, CA 90064		SFR	2	117	78.4	141	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-31	NB	486+60	2805 S Bentley Ave, Los Angeles, CA 90064		MFR	2	0	78.1	78	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-32	NB	486+86	2800 S Bentley Ave, Los Angeles, CA 90064		SFR	2	114	77.6	138	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-33	SB	487+31	2756 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	64	76.8	100	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-34	SB, NB	487+50	2761 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	76.5	77	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-35	SB, NB	488+00	2755 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	75.6	76	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-36	SB, NB	488+35	2753 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	76.0	76	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-37	NB	487+64	2760 S Bentley Ave, Los Angeles, CA 90064		SFR	2	100	78.3	127	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-38	NB	488+26	2756 S Bentley Ave, Los Angeles, CA 90064		SFR	2	101	76.2	127	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-39	SB	488+47	2746 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	74	75.3	106	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-40	SB, NB	488+67	2749 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	75.4	75	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-41	NB	488+62	2753 Tilden Ave, Los Angeles, CA 90064		SFR	2	205	76.5	219	10	52				52	72	No	17	35	No	--	--	--	--	--
V-5-42	NB	488+83	2750 S Bentley Ave, Los Angeles, CA 90064		SFR	2	104	75.1	128	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-43	SB	488+84	2742 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	105	75.1	129	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-44	SB, NB	489+20	2745 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	75.47	75	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-45	SB	489+39	2738 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	115	74.1	136	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-46	SB, NB	489+50	2741 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	74.9	75	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-47	NB	489+54	2744 S Bentley Ave, Los Angeles, CA 90064		MFR	2	116	74.9	138	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-48	NB	494+78	2653 Tilden Ave, Los Angeles, CA 90064		SFR	2	200	70.5	212	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-49	SB	495+50	2647 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	70.3	70	10	57				57	72	No	22	35	No	--	--	--	--	--
V-5-50	SB	495+68	2642 S Sepulveda Blvd, Los Angeles, CA 90064		MFR	2	112	69.9	132	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-51	NB	495+01	11111 Brookhaven Ave, Los Angeles, CA 90064		SFR	2	84	71.1	110	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-52	NB	495+69	2646 S Bentley Ave, Los Angeles, CA 90064		SFR	2	73	69.9	101	10	55				55	72	No	20	35	No	--	--	--	--	--
V-5-53	NB	497+38	2626 S Bentley Ave, Los Angeles, CA 90064		SFR	2	60	69.9	92	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-54	NB	497+49	2627 Tilden Ave, Los Angeles, CA 90064		SFR	2	190	69.7	202	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-55	NB	497+84	2622 S Bentley Ave, Los Angeles, CA 90064		SFR	2	52	69.6	87	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-56	SB	497+84	2625 S Bentley Ave, Los Angeles, CA 90064		SFR	2	15	69.6	71	10	57				57	72	No	22	35	No	--	--	--	--	--
V-5-57	SB	498+00	2620 S Sepulveda Blvd, Los Angeles, CA 90064		SFR	2	155	68.8	169	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-58	NB	500+10	2605 Tilden Ave, Los Angeles, CA 90064		SFR	2	198	68.6	209	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-59	SB	499+78	2605 S Bentley Ave, Los Angeles, CA 90064		SFR	2	23	68.6	72	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-60	NB	499+96	2604 S Bentley Ave, Los Angeles, CA 90064		SFR	2	51	68.8	86	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-61	SB	499+85	2600 S Sepulveda Blvd, Los Angeles, CA 90064		SFR	2	163	67.5	176	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-62	SB	500+92	2575 S Bentley Ave, Los Angeles, CA 90064		SFR	2	40	67.6	79	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-63	SB	500+95	11165 Richland Ave, Los Angeles, CA 90064	**I-10 to Exposition Blvd**	MFR	2	128	67.6	144	10	54				54	72	No	19	35	No	--	--	--	--	--
V-5-64	NB	501+17	2578 S Bentley Ave, Los Angeles, CA 90064		SFR	2	40	68.2	79	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-65	NB	501+15	2561 Tilden Ave, Los Angeles, CA 90064		SFR	2	186	68.2	198	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-66	SB	503+46	2564 S Sepulveda Blvd, Los Angeles, CA 90064		SFR	2	156	66.9	170	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-67	NB	503+35	2550 S Bentley Ave, Los Angeles, CA 90064		SFR	2	30	68.0	74	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-68	SB	503+54	2551 S Bentley Ave, Los Angeles, CA 90064		SFR	2	54	67.8	87	10	56				56	72	No	21	35	No	--	--	--	--	--
V-5-69	NB	504+33	2535 Tilden Ave, Los Angeles, CA 90064		SFR	2	160	66.8	174	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-70	SB	505+98	Best Western Royal Palace Inn & Suites 2528 S Sepulveda Blvd, Los Angeles, CA 90064		Hotel	2	192	66.0	203	10	53				53	72	No	18	35	No	--	--	--	--	--
V-5-71	NB	506+57	2522 S Bentley Ave, Los Angeles, CA 90064		SFR	2	0	67.7	68	10	57	Y			67	72	No	32	35	No	--	--	--	--	--
V-5-72	SB	507+26	2517 S Bentley Ave, Los Angeles, CA 90064		SFR	2	83	68.5	108	10	55	Y			65	72	No	30	35	No	--	--	--	--	--
V-5-73	SB, NB	507+50	11142 Exposition Blvd, Los Angeles, CA 90064		SFR	2	0	67.2	67	10	57	Y			67	72	No	32	35	No	--	--	--	--	--
V-5-74	NB	507+52	11100 Exposition Blvd, Los Angeles, CA 90064		SFR	2	170	69.2	184	10	53		Y		58	72	No	23	35	No	--	--	--	--	--
V-5-75	SB	507+82	11162 Exposition Blvd, Los Angeles, CA 90064		MFR	2	150	69.1	165	10	53		Y		58	72	No	23	35	No	--	--	--	--	--
V-5-76	SB	507+93	11150 Exposition Blvd, Los Angeles, CA 90064		SFR	2	76	69.0	103	10	55		Y		60	72	No	25	35	No	--	--	--	--	--
V-5-77	NB	508+00	11122 Exposition Blvd, Los Angeles, CA 90064		SFR	2	6	69.0	69	10	57	Y			67	72	No	32	35	No	--	--	--	--	--
	510+65	513+45	**METRO E-LINE/SEPULVEDA STATION**																						

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-78	SB	513+31	National Genetics Institute 2440 S Sepulveda Blvd, Los Angeles, CA 90064	Metro E-Line/Sepulveda Station to Olympic Blvd	Research Laboratory	1	215	72.3	227	28	61			Y	56	65	No	21	25	No	--	--	--	--	--
V-5-79	SB	518+74	2361 Camden Ave, Los Angeles, CA 90064		SFR	2	166	77.4	183	45	66				66	72	No	31	35	No	--	--	--	--	--
V-5-80	SB	518+89	2355 S Bentley Ave, Los Angeles, CA 90064		MFR	2	18	77.1	79	45	69				69	72	No	34	35	No	--	--	--	--	--
V-5-81	NB	520+00	2360 S Bentley Ave, Los Angeles, CA 90064		MFR	2	49	74.9	89	41	68		Y		73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-82	SB	520+00	2345 S Bentley Ave, Los Angeles, CA 90064		MFR	2	14	76.9	78	45	69		Y		74	72	**Yes**	39	35	**Yes**	High-resilient Fasteners	69	None	19	None
V-5-83	SB	520+66	VCA Animal Medical Center 2340 S Sepulveda Blvd, Los Angeles, CA 90064		Animal Hospital	1	139	77.6	160	45	67		Y		72	65	**Yes**	37	25	**Yes**	Resiliently Supported Ties	62	None	12	None
V-5-84	NB	521+48	2332 S Bentley Ave, Los Angeles, CA 90064		MFR	2	49	75.9	91	44	68	Y			78	72	**Yes**	43	35	**Yes**	Resiliently Supported Ties	68	None	18	None
V-5-85	SB	521+48	2329 S Bentley Ave, Los Angeles, CA 90064		MFR	2	14	75.9	77	45	69	Y			79	72	**Yes**	44	35	**Yes**	Resiliently Supported Ties	69	None	19	None
V-5-86	NB	524+40	2300 S Bentley Ave, Los Angeles, CA 90064		SFR	2	56	74.1	93	45	69		Y		74	72	**Yes**	39	35	**Yes**	High-resilient Fasteners	69	None	19	None
V-5-87	NB	524+51	2303 Camden Ave, Los Angeles, CA 90064		SFR	2	200	75.9	214	45	66				66	72	No	31	35	No	--	--	--	--	--
V-5-88	SB	524+73	11064 Tennessee Ave, Los Angeles, CA 90064		MFR	2	18	73.4	76	53	71	Y			81	72	**Yes**	46	35	**Yes**	Resiliently Supported Ties	71	None	21	None
V-5-89	SB	525+54	2251 S Bentley Ave, Los Angeles, CA 90064		MFR	2	18	75.8	78	55	71	Y			81	72	**Yes**	46	35	**Yes**	Resiliently Supported Ties	71	None	21	None
V-5-90	NB	525+64	2255 Camden Ave, Los Angeles, CA 90064		SFR	2	164	75.6	181	46	66		Y		71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-91	NB	525+80	11045 Tennessee Ave, Los Angeles, CA 90064		MFR	2	51	73.3	89	47	69		Y		74	72	**Yes**	39	35	**Yes**	High-resilient Fasteners	69	None	19	None
V-5-92	NB	528+03	2231 Camden Ave, Los Angeles, CA 90064		SFR	2	174	72.8	189	49	67				67	72	No	32	35	No	--	--	--	--	--
V-5-93	NB	530+64	2207 Camden Ave, Los Angeles, CA 90064		SFR	2	198	71.6	210	52	67				67	72	No	32	35	No	--	--	--	--	--
V-5-94	NB	528+34	2216 S Bentley Ave, Los Angeles, CA 90064		MFR	2	47	74.2	88	50	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-95	SB	528+97	2223 S Bentley Ave, Los Angeles, CA 90064		MFR	2	17	72.0	74	64	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-96	SB	530+80	2201 S Bentley Ave, Los Angeles, CA 90064		--	--	31	73.3	79	68	73				73	--	No	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-97	NB	531+00	11048 W Olympic Blvd, Los Angeles, CA 90064		MFR	2	53	70.9	89	53	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-98	NB	532+50	2146 S Bentley Ave, Los Angeles, CA 90025	Olympic Blvd to Santa Monica Blvd Station	MFR	2	47	69.9	84	54	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-99	SB	532+69	2149 S Bentley Ave, Los Angeles, CA 90025		MFR	2	19	69.5	72	70	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-100	NB	532+64	2149 Camden Ave, Los Angeles, CA 90025		SFR	2	170	71.6	184	54	68				68	72	No	33	35	No	--	--	--	--	--
V-5-101	SB	534+00	2133 S Bentley Ave, Los Angeles, CA 90025		MFR	2	19	70.9	73	70	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-102	NB	535+30	2121 Camden Ave, Los Angeles, CA 90025		SFR	2	163	71.3	178	57	68				68	72	No	33	35	No	--	--	--	--	--
V-5-103	SB	537+00	2105 S Bentley Ave, Los Angeles, CA 90025		MFR	2	22	68.9	72	70	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-104	NB	536+98	2106 S Bentley Ave, Los Angeles, CA 90025		MFR	2	47	70.9	85	58	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-105	NB	537+22	2101 Camden Ave, Los Angeles, CA 90025		SFR	2	199	70.5	211	58	68				68	72	No	33	35	No	--	--	--	--	--
V-5-106	SB	538+89	2051 S Bentley Ave, Los Angeles, CA 90025		MFR	2	19	69.1	72	68	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-107	NB	538+13	2050 S Bentley Ave, Los Angeles, CA 90025		MFR	2	50	69.6	86	59	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-108	NB	538+24	2053 Camden Ave, Los Angeles, CA 90025		SFR	2	219	70.4	230	59	68				68	72	No	33	35	No	--	--	--	--	--
V-5-109	NB	540+08	2036 S Bentley Ave, Los Angeles, CA 90025		MFR	2	64	69.7	95	60	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-110	NB	541+35	2031 S Bentley Ave, Los Angeles, CA 90025		MFR	2	8	67.2	68	60	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-111	SB	540+93	2028 S Bentley Ave, Los Angeles, CA 90025		MFR	2	63	69.0	93	67	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-112	NB	540+88	2029 Camden Ave, Los Angeles, CA 90025		SFR	2	189	69.1	202	60	68				68	72	No	33	35	No	--	--	--	--	--
V-5-113	NB	543+28	11050 La Grange, Los Angeles, CA 90025		MFR	2	87	68.3	110	61	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-114	SB	543+83	2001 S Bentley Ave, Los Angeles, CA 90025		MFR	2	0	67.2	67	63	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-115	SB	544+87	1963 S Bentley Ave, Los Angeles, CA 90025		SFR	2	0	67.2	67	61	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-116	NB	544+59	1964 S Bentley Ave, Los Angeles, CA 90025		SFR	2	109	67.7	128	62	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-117	SB	548+00	1931 S Bentley Ave, Los Angeles, CA 90025		SFR	2	0	66.9	67	56	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-118	NB	547+76	1934 S Bentley Ave, Los Angeles, CA 90025		SFR	2	158	67.3	172	63	69				69	72	No	34	35	No	--	--	--	--	--
V-5-119	NB	548+77	1922 S Bentley Ave, Los Angeles, CA 90025		SFR	2	174	66.3	186	64	69				69	72	No	34	35	No	--	--	--	--	--
V-5-120	SB	550+78	VCA West LA Animal Hospital 1900 S Sepulveda Blvd, Los Angeles, CA 90025		Animal Hospital	1	5	67.7	68	50	71				71	65	**Yes**	36	25	**Yes**	Resiliently Supported Ties	61	None	11	None
V-5-121	NB	550+00	1907 S Bentley Ave, Los Angeles, CA 90025		SFR	2	13	67.8	69	64	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-122	NB	549+99	1900 S Bentley Ave, Los Angeles, CA 90025		SFR	2	191	69.9	203	64	69				69	72	No	34	35	No		--			
V-5-123	NB	551+37	11061 Missouri Ave, Los Angeles, CA 90025		MFR	2	10	69.5	70	61	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-124	NB	551+12	11051 Missouri Ave, Los Angeles, CA 90025		MFR	2	207	71.6	219	62	68				68	72	No	33	35	No		--			
V-5-125	NB	552+36	1853 S Bentley Ave, Los Angeles, CA 90025		MFR	2	21	71.2	74	59	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-126	NB	553+26	1849 S Bentley Ave, Los Angeles, CA 90025		MFR	2	34	73.0	81	56	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-127	NB	554+17	1835 S Bentley Ave, Los Angeles, CA 90025		MFR	2	39	74.7	84	54	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-128	NB	553+51	1834 S Bentley Ave, Los Angeles, CA 90025		MFR	2	225	74.9	238	56	67				67	72	No	32	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-129	NB	557+47	1801 S Bentley Ave, Los Angeles, CA 90025		MFR	2	59	77.7	98	44	68				68	72	No	33	35	No	--	--	--	--	--
V-5-130	NB	559+43	1741 S Bentley Ave, Los Angeles, CA 90025		MFR	2	62	81.2	102	36	66			Y	61	72	No	26	35	No	--	--	--	--	--
V-5-131	NB	562+19	1727 S Bentley Ave, Los Angeles, CA 90025		MFR	2	64	81.4	104	24	63			Y	58	72	No	23	35	No	--	--	--	--	--
	559+15	563+40	**SANTA MONICA BOULEVARD STATION**																						
V-5-132	NB	568+08	1633 S Bentley Ave, Los Angeles, CA 90025		MFR	2	57	87.7	105	36	66				66	72	No	31	35	No	--	--	--	--	--
V-5-133	SB	568+50	1640 S Sepulveda Blvd, Los Angeles, CA 90025		Theater	2	0	88.5	89	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-134	NB	568+77	1631 S Bentley Ave, Los Angeles, CA 90025		MFR	2	95	88.5	130	38	66				66	72	No	31	35	No	--	--	--	--	--
V-5-135	NB	570+79	1610 S Bentley Ave, Los Angeles, CA 90025		MFR	2	192	90.9	213	40	65				65	72	No	30	35	No	--	--	--	--	--
V-5-136	NB	570+70	1607 S Bentley Ave, Los Angeles, CA 90025		MFR	2	0	91.9	92	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-137	NB	570+28	1619 S Bentley Ave, Los Angeles, CA 90025		MFR	2	10	90.0	91	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-138	NB	571+35	1601 S Bentley Ave, Los Angeles, CA 90025		MFR	2	0	91.7	92	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-139	NB	572+05	1600 S Bentley Ave, Los Angeles, CA 90025		MFR	2	149	91.5	175	40	65				65	72	No	30	35	No	--	--	--	--	--
V-5-140	SB	572+50	1545 S Bentley Ave, Los Angeles, CA 90025		MFR	2	0	93.4	93	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-141	SB	573+50	1535 S Bentley Ave, Los Angeles, CA 90025		MFR	2	0	93.1	93	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-142	NB	573+62	11033 Massachusetts Ave, Los Angeles, CA 90025		MFR	2	86	93.1	127	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-143	NB	574+10	1538 S Bentley Ave, Los Angeles, CA 90025		MFR	2	68	94.9	117	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-144	SB	574+26	1523 S Bentley Ave, Los Angeles, CA 90025		MFR	2	31	94.9	100	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-145	NB	574+39	1528-1534 S Bentley Ave, Los Angeles, CA 90025		MFR	2	60	94.8	112	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-146	NB	575+10	1526 S Bentley Ave, Los Angeles, CA 90025		MFR	2	23	96.6	99	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-147	NB	575+44	1522 S Bentley Ave, Los Angeles, CA 90025		MFR	2	0	94.5	95	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-148	SB	575+53	1511 S Bentley Ave, Los Angeles, CA 90025		MFR	2	101	96.5	140	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-149	SB	575+97	1505 S Bentley Ave, Los Angeles, CA 90025		MFR	2	126	96.4	159	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-150	NB	576+12	1531 Camden Ave, Los Angeles, CA 90025		MFR	2	104	96.3	142	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-151	NB	577+01	1511 Camden Ave, Los Angeles, CA 90025		MFR	2	54	96.1	110	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-152	SB	577+50	1506 S Bentley Ave, Los Angeles, CA 90025		MFR	2	0	97.9	98	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-153	SB	578+25	1436 S Bentley Ave, Los Angeles, CA 90025	**Santa Monica Blvd Station to Veteran Ave**	MFR	2	63	99.7	118	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-154	SB	578+50	11037 Ohio Ave, Los Angeles, CA 90025		MFR	2	0	99.6	100	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-155	SB	578+69	1430 S Bentley Ave, Los Angeles, CA 90025		MFR	2	91	100.6	136	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-156	SB	578+99	1424 S Bentley Ave, Los Angeles, CA 90025		MFR	2	127	101.5	163	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-157	NB	579+09	1500 Camden Ave, Los Angeles, CA 90025		MFR	2	145	99.5	175	40	65				65	72	No	30	35	No	--	--	--	--	--
V-5-158	SB	579+60	1431 Camden Ave, Los Angeles, CA 90025		MFR	2	0	99.3	99	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-159	SB	579+81	1427 Camden Ave, Los Angeles, CA 90025		MFR	2	23	99.3	102	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-160	SB	580+25	1415 Camden Ave, Los Angeles, CA 90025		MFR	2	54	101.2	114	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-161	NB	580+73	1432 Camden Ave, Los Angeles, CA 90025		MFR	2	3	101.0	101	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-162	SB	581+50	1420 Camden Ave, Los Angeles, CA 90025		MFR	2	0	102.8	103	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-163	NB	581+46	1433 Greenfield Ave, Los Angeles, CA 90025		MFR	2	166	100.8	194	40	65				65	72	No	30	35	No	--	--	--	--	--
V-5-164	SB	581+78	1401 Camden Ave, Los Angeles, CA 90025		MFR	2	183	103.7	211	40	65				65	72	No	30	35	No	--	--	--	--	--
V-5-165	NB	581+95	1427 Greenfield Ave, Los Angeles, CA 90025		MFR	2	153	100.6	183	40	65				65	72	No	30	35	No	--	--	--	--	--
V-5-166	NB	582+04	1421 Greenfield Ave, Los Angeles, CA 90025		MFR	2	78	100.6	127	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-167	SB	582+08	1412 Camden Ave, Los Angeles, CA 90025		MFR	2	0	102.6	103	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-168	NB	582+38	1417 Greenfield Ave, Los Angeles, CA 90025		MFR	2	47	102.5	113	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-169	SB	582+68	1406 Camden Ave, Los Angeles, CA 90025		MFR	2	0	102.4	102	41	68				68	72	No	33	35	No	--	--	--	--	--
V-5-170	NB	583+00	1413 Greenfield Ave, Los Angeles, CA 90025		MFR	2	0	102.3	102	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-171	SB	583+06	1400 Camden Ave, Los Angeles, CA 90025		MFR	2	34	102.3	108	42	68				68	72	No	33	35	No	--	--	--	--	--
V-5-172	SB	583+50	1403 Greenfield Ave, Los Angeles, CA 90025		MFR	2	0	102.2	102	44	68				68	72	No	33	35	No	--	--	--	--	--
V-5-173	NB	584+55	1422 Greenfield Ave, Los Angeles, CA 90025		MFR	2	121	103.8	159	40	66				66	72	No	31	35	No	--	--	--	--	--
V-5-174	NB	585+21	1400 Greenfield Ave, Los Angeles, CA 90025		MFR	2	54	103.7	117	40	67				67	72	No	32	35	No	--	--	--	--	--
V-5-175	NB	585+84	1417 Veteran Ave, Los Angeles, CA 90024		MFR	2	190	105.5	218	43	65				65	72	No	30	35	No	--	--	--	--	--
V-5-176	NB	589+25	1390 Veteran Ave, Los Angeles, CA 90024		MFR	2	177	106.5	207	49	67				67	72	No	32	35	No	--	--	--	--	--
V-5-177	NB	590+23	1378 Veteran Ave, Los Angeles, CA 90024		MFR	2	116	108.2	159	51	68				68	72	No	33	35	No	--	--	--	--	--
V-5-178	NB	591+78	1370 Veteran Ave, Los Angeles, CA 90024		MFR	2	0	109.8	110	53	69				69	72	No	34	35	No	--	--	--	--	--
V-5-179	NB	591+88	1375 Kelton Ave, Los Angeles, CA 90024		MFR	2	146	108.8	182	53	68				68	72	No	33	35	No	--	--	--	--	--
V-5-180	NB	592+46	1361 Kelton Ave, Los Angeles, CA 90024		MFR	2	122	110.6	165	54	68				68	72	No	33	35	No	--	--	--	--	--
V-5-181	SB, NB	592+50	10990 Rochester Ave, Los Angeles, CA 90024		MFR	2	0	110.6	111	56	69				69	72	No	34	35	No	--	--	--	--	--
V-5-182	NB	593+44	10966 Rochester Ave, Los Angeles, CA 90024		MFR	2	66	111.3	129	56	69				69	72	No	34	35	No	--	--	--	--	--
V-5-183	SB	594+32	10989 Rochester Ave, Los Angeles, CA 90024		MFR	2	0	113.1	113	53	69				69	72	No	34	35	No	--	--	--	--	--
V-5-184	SB, NB	595+00	10969 Rochester Ave #100, Los Angeles, CA 90024		MFR	2	0	113.9	114	57	69				69	72	No	34	35	No	--	--	--	--	--
V-5-185	SB	595+16	10996 Wellworth Ave, Los Angeles, CA 90024		MFR	2	165	116.8	202	51	67				67	72	No	32	35	No	--	--	--	--	--
V-5-186	SB	595+26	10990 Wellworth Ave, Los Angeles, CA 90024		MFR	2	107	116.8	158	51	68				68	72	No	33	35	No	--	--	--	--	--
V-5-187	NB	595+47	10965 Rochester Ave, Los Angeles, CA 90024	**Veteran Ave to Metro D-Line/Wilshire/Westwood Station**	MFR	2	85	113.7	142	58	69				69	72	No	34	35	No	--	--	--	--	--
V-5-188	NB	595+67	10959 Rochester Ave, Los Angeles, CA 90024		MFR	2	134	112.7	175	58	69				69	72	No	34	35	No	--	--	--	--	--
V-5-189	SB, NB	596+00	10980 Wellworth Ave, Los Angeles, CA 90024		MFR	2	0	116.6	117	58	69				69	72	No	34	35	No	--	--	--	--	--
V-5-190	NB	596+71	10966 Wellworth Ave, Los Angeles, CA 90024		MFR	2	21	114.4	116	58	69				69	72	No	34	35	No	--	--	--	--	--
V-5-191	NB	596+88	10960 Wellworth Ave, Los Angeles, CA 90024		MFR	2	88	116.3	146	58	69				69	72	No	34	35	No	--	--	--	--	--
V-5-192	SB	597+47	10983 Wellworth Ave, Los Angeles, CA 90024		MFR	2	48	118.1	127	47	68				68	72	No	33	35	No	--	--	--	--	--
V-5-193	SB, NB	598+00	10969 Wellworth Ave, Los Angeles, CA 90024		MFR	2	0	116.0	116	57	69				69	72	No	34	35	No	--	--	--	--	--
V-5-194	SB	598+50	10992 Ashton Ave, Los Angeles, CA 90024		MFR	2	175	121.8	213	45	66				66	72	No	31	35	No	--	--	--	--	--
V-5-195	SB	598+77	10970 Ashton Ave, Los Angeles, CA 90024		MFR	2	70	121.8	140	44	67		Y		72	72	**Yes**	37	35	**Yes**	Spring Frogs	67	None	17	None
V-5-196	SB, NB	599+50	10960 Ashton Ave, Los Angeles, CA 90024		MFR	2	0	117.6	118	53	69		Y		74	72	**Yes**	39	35	**Yes**	Spring Frogs	69	None	19	None
V-5-197	NB	600+09	10952 Ashton Ave, Los Angeles, CA 90024		MFR	2	15	117.4	118	52	69		Y		74	72	**Yes**	39	35	**Yes**	Spring Frogs	69	None	19	None
V-5-198	NB	600+20	1250 Midvale Ave, Los Angeles, CA 90024		MFR	2	150	117.3	191	51	67		Y		72	72	**Yes**	37	35	**Yes**	Spring Frogs	67	None	17	None
V-5-199	NB	605+69	Westwood Medical Plaza 10921 Wilshire Blvd, Los Angeles, CA 90024		Medical Bldg	3	69	127.9	145	31	64			Y	59	75	No	24	35	No	--	--	--	--	--
	602+30	607+10	**METRO D-LINE/WILSHIRE- WESTWOOD STATION**																						
V-5-200	SB	607+95	UCLA Extension ICO 1145 Gayley Ave, Los Angeles, CA 90024		Institutional	3	107	135.1	172	20	59			Y	54	75	No	19	35	No	--	--	--	--	--
V-5-201	SB, NB	609+00	1122 Gayley Ave, Los Angeles, CA 90024		MFR	2	0	133.8	134	32	64				64	72	No	29	35	No	--	--	--	--	--
V-5-202	NB	610+08	1141 Westwood Blvd, Los Angeles, CA 90024		MFR	2	81	136.6	159	22	61				61	72	No	26	35	No	--	--	--	--	--
V-5-203	SB	611+50	UCLA Science and Technology Research Building 1040 Veteran Ave, Los Angeles, CA 90024		Laboratory	1	708	144.2	723	42	61				61	65	No	26	25	**Yes**	High-resilient Fasteners	56	None	6	None

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-204	NB	613+30	Azoff Music Management 1100 Glendon Ave, Los Angeles, CA 90024	Metro D Line/Wilshire/Westwood Station to Le Conte Ave	Recording Studio	Special Bldg	430	140.4	452	36	61				61	65	No	26	25	**Yes**	High-resilient Fasteners	56	None	6	None
V-5-205	NB	613+30	CBS Films 1100 Glendon Ave, Los Angeles, CA 90024		Video Production	Special Bldg	430	140.4	452	36	61				61	65	No	26	25	**Yes**	High-resilient Fasteners	56	None	6	None
V-5-206	SB	616+02	The Landmark Westwood 1045 Boxton Ave, Los Angeles, CA 90024		Movie Theater	2	196	131.2	236	57	67				67	72	No	32	35	No	--	--	--	--	--
V-5-207	NB	616+00	Boost Your Media 1040 Glendon Ave, Los Angeles, CA 90024		Video Production	Special Bldg	480	138.3	500	43	62				62	65	No	27	25	**Yes**	High-resilient Fasteners	57	None	7	None
V-5-208	SB, NB	616+50	1043 Westwood Blvd, Los Angeles, CA 90024		Institutional	3	0	131.4	131	56	69				69	75	No	34	40	No	--	--	--	--	--
V-5-209	SB, NB	618+00	Float Lab Westwood 1025 Westwood Blvd suite b, Los Angeles, CA 90024		SPA	3	0	116.8	117	61	70				70	75	No	35	40	No	--	--	--	--	--
V-5-210	NB	619+02	UCLA Extension Westwood Center 1010 Westwood Blvd, Los Angeles, CA 90024		Institutional	3	165	124.5	207	46	66				66	75	No	31	40	No	--	--	--	--	--
V-5-211	SB	620+27	Angeles Academy of Music 10921 Weyburn Ave, Los Angeles, CA 90024		Institutional	3	49	122.3	132	67	71				71	75	No	36	40	No	--	--	--	--	--
V-5-212	SB, NB	622+50	Starwood Testing, Admissions & Review 911 Westwood Blvd, Los Angeles, CA 90024		Institutional	3	0	116.9	117	70	72				72	75	No	37	40	No	--	--	--	--	--
V-5-213	NB	623+50	Geffen Playhouse 10866 Le Conte Ave, Los Angeles, CA 90024		Theater	Special Bldg	277	122.2	303	49	65				65	72	No	30	35	No	--	--	--	--	--
V-5-214	SB	625+85	UCLA, 300 Medical Plaza Driveway, Los Angeles, CA 90095	Le Conte Ave to UCLA Station	Medical Bldg	1	48	115.4	125	68	71				71	65	**Yes**	36	25	**Yes**	Resiliently Supported Ties	61	None	11	None
V-5-215	NB	627+86	Jules Stein Eye Institute 100 Stein Plaza Driveway, Los Angeles, CA 90024		Medical Bldg	1	190	107.8	218	52	67				67	65	**Yes**	32	25	**Yes**	Resiliently Supported Ties	57	None	7	None
	SB						209	107.8	235	65	68				68	65	**Yes**	33	25	**Yes**	Resiliently Supported Ties	58	None	8	None
V-5-216	SB	629+32	Vatche And Tamar Manoukian Medical Building 100 Medical Plaza Driveway, Los Angeles, CA 90024		Medical Bldg	1	35	106.3	112	63	71				71	65	**Yes**	36	25	**Yes**	Floating Slab	56	None	6	None
V-5-217	NB	630+15	Stein Eye Institute, Oculoplastics Division Wasserman Bldg, 300 Stein Plaza Driveway, Los Angeles, CA 90024		Medical Bldg	1	87	105.2	137	53	69				69	65	**Yes**	34	25	**Yes**	Resiliently Supported Ties	59	None	9	None
V-5-218	NB	632+30	UCLA Semel Institute for Neuroscience and Human Behavior 760 Westwood Plaza, Los Angeles, CA 90024		Institutional	1	92	97.2	134	54	69				69	65	**Yes**	34	25	**Yes**	Resiliently Supported Ties	59	None	9	None
V-5-219	NB	633+81	Reed Neurological Research Center 710 Westwood Plaza, Los Angeles, CA 90095		Institutional/ Research	1	59	97.4	114	55	70				70	65	**Yes**	35	25	**Yes**	Resiliently Supported Ties	60	None	10	None
V-5-220	SB	634+25	UCLA Ronald Reagan Medical Building 757 Westwood Plaza, Los Angeles, CA 90095		Medical Bldg	1	49	88.6	101	51	69				69	65	**Yes**	34	25	**Yes**	Resiliently Supported Ties	59	None	9	None
V-5-221	NB	638+42	Gonda Center, Brain Research Institute UCLA 695 Charles E Young Dr S, Los Angeles, CA 90095		Institutional/ Research	1	51	96.3	109	47	68		Y		73	65	**Yes**	38	25	**Yes**	Floating Slab	58	None	8	None
V-5-222	SB	643+31	UCLA Meyer and Renee Luskin Conference Center 425 Westwood Plaza, Los Angeles, CA 90095		Lodging/ Conference	2	157	107.9	190	10	53			Y	48	72	No	13	35	No	--	--	--	--	--
V-5-223	NB	644+11	Henry Samueli School of Engineering 420 Westwood Plaza, Los Angeles, CA 90095		Institutional/ Research	1	99	107.5	146	23	61			Y	56	65	No	21	25	No	--	--	--	--	--
	641+95	646+58	**UCLA STATION**																						
V-5-224	NB	645+48	Engineering VI 404 Westwood Plaza, Los Angeles, CA 90095	UCLA Station to Sunset Blvd	Institutional/ Research	1	40	108.8	116	10	55			Y	50	65	No	15	25	No	--	--	--	--	--
V-5-225	NB	646+50	UCLA HCI Research 580 Portola Plaza, Los Angeles, CA 90095		Laboratory	1	417	142.3	441	20	56			Y	51	65	No	16	25	No	--	--	--	--	--
V-5-226	NB	649+50	UCLA Ackerman Union 308 Westwood Plaza, Los Angeles, CA 90024		Institutional	3	54	112.75	125	33	65				65	75	No	30	40	No	--	--	--	--	--
V-5-227	NB	653+46	UCLA Student Activities Center 220 Westwood Plaza, Los Angeles, CA 90095		Institutional	3	37	118.77	124	44	67				67	75	No	32	40	No	--	--	--	--	--
V-5-228	NB	656+47	Department of World Arts and Cultures/Dance 120 Westwood Plaza, Los Angeles, CA 90077		Institutional	3	43	121.27	129	50	68				68	75	No	33	40	No	--	--	--	--	--
V-5-229	SB, NB	659+50	James A. Collins Center for Executive Education 110 Westwood Plaza, Los Angeles, CA 90095		Institutional	3	0	121.6	122	70	71	1675			71	75	No	36	40	No	--	--	--	--	--
V-5-230	NB	660+79	UCLA Anderson School of Management 110 Westwood Plaza, Los Angeles, CA 90095		Institutional	3	155	119.4	196	56	68				68	75	No	33	40	No	--	--	--	--	--
V-5-231	SB	666+14	Marymount High School 10643 Sunset Blvd, Los Angeles, CA 90077		High School	3	143	122.0	188	70	70				70	75	No	35	40	No	--	--	--	--	--
V-5-232	NB	666+32	UCLA Lab School 330 Charles E Young Dr N, Los Angeles, CA 90095		Elementary School	3	37	111.4	118	58	70				70	75	No	35	40	No	--	--	--	--	--
V-5-233	NB	669+62	Fernald Child Care Center 320 Charles E Young Dr N, Los Angeles, CA 90095		Day Care	3	33	107.7	113	59	70				70	75	No	35	40	No	--	--	--	--	--
V-5-234	SB	674+40	Former home of Charles Bronson 121 Udine Way, Los Angeles, CA 90077	Sunset Blvd to Bellagio Rd	Historic Landmark	2	54	121.2	133	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-235	NB	674+85	120 Udine Way, Los Angeles, CA 90077		SFR	2	0	105.7	106	61	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-236	SB	677+25	133 Udine Way, Los Angeles, CA 90077		SFR	2	34	143.9	148	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-237	NB	677+50	124 Udine Way, Los Angeles, CA 90077		SFR	2	0	147.1	147	61	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-238	SB	680+50	10644 Bellagio Rd, Los Angeles, CA 90077 (Tennis Courts)		SFR	2	0	167.4	167	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-239	SB, NB	685+00	10644 Bellagio Rd, Los Angeles, CA 90077		SFR	2	0	184.7	185	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-240	SB	690+25	10659 Bellagio Rd, Los Angeles, CA 90077		SFR	2	223	181.7	288	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-241	NB	695+27	10615 Bellagio Rd, Los Angeles, CA 90077		SFR	2	44	97.4	107	64	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-242	NB	695+60	10601 Bellagio Rd, Los Angeles, CA 90077	Bellagio Rd to Somma Way	SFR	2	118	96.3	152	64	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-243	NB	696+59	621 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	12	95.1	96	64	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-244	NB	698+59	649 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	86	93.6	127	64	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-245	NB	699+50	661 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	25	93.6	97	64	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-246	SB	701+50	10614 Chalon Rd, Los Angeles, CA 90077		SFR	2	104	95.1	141	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-247	NB	701+25	685 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	37	89.9	97	64	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-248	NB	702+82	10606 Chalon Rd, Los Angeles, CA 90077		SFR	2	26	89.8	94	64	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-249	SB	704+52	706 Lausanne Rd, Los Angeles, CA 90077		SFR	2	222	173.29	282	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-250	SB, NB	706+50	Hotel Bel Air 701 Stone Canyon Rd, Los Angeles, CA 90077		Hotel	2	0	133.97	134	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-251	SB	708+50	750 Lausanne Rd, Los Angeles, CA 90077		SFR	2	165	222.4	277	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-252	NB	721+80	10651 Capello Way, Los Angeles, CA 90077		SFR	2	47	129.1	137	65	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-253	NB	724+54	10690 Somma Way, Los Angeles, CA 90077		SFR	2	92	260.2	276	65	68				68	72	No	33	35	No	--	--	--	--	--
V-5-254	SB	725+15	10694 Somma Way, Los Angeles, CA 90077		SFR	2	171	308.3	352	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-255	SB, NB	728+00	10650 Somma Way, Los Angeles, CA 90077		SFR	2	0	101.0	101	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-256	SB	728+54	10660 Somma Way, Los Angeles, CA 90077		SFR	2	50	137.2	146	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-257	NB	728+54	10646 Somma Way, Los Angeles, CA 90077		SFR	2	65	97.2	117	65	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-258	NB	729+36	10643 Somma Way, Los Angeles, CA 90077		SFR	2	174	88.6	195	65	69				69	72	No	34	35	No	--	--	--	--	--
V-5-259	NB	729+13	10647 Somma Way, Los Angeles, CA 90077		SFR	2	76	97.3	123	65	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-260	SB, NB	729+60	10651 Somma Way, Los Angeles, CA 90077		SFR	2	0	97.8	98	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-261	SB	729+79	10661 Somma Way, Los Angeles, CA 90077		SFR	2	91	117.2	148	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-262	NB	731+54	10687 Somma Way, Los Angeles, CA 90077		SFR	2	12	175.5	176	65	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-263	SB	733+87	10691 Somma Way, Los Angeles, CA 90077		SFR	2	159	165.9	230	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-264	SB, NB	737+50	10733 Stradella Ct, Los Angeles, CA 90077		SFR	2	0	358.1	358	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-265	SB	737+94	10727 Stradella Ct, Los Angeles, CA 90077		SFR	2	109	390.6	406	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-266	NB	742+50	10741 Levico Way, Los Angeles, CA 90077		SFR	2	82	327.9	338	66	67				67	72	No	32	35	No	--	--	--	--	--
V-5-267	NB	748+50	10710 Levico Way, Los Angeles, CA 90077		SFR	2	277	286.4	398	66	67				67	72	No	32	35	No	--	--	--	--	--
V-5-268	SB	752+46	1298 Stradella Rd, Los Angeles, CA 90077		SFR	2	242	497.5	553	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-269	SB	757+50	1342 Stradella Rd, Los Angeles, CA 90077		SFR	2	299	437.1	530	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-270	NB	759+79	10635 Levico Way, Los Angeles, CA 90077		SFR	2	233	109.7	257	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-271	NB	768+15	1535 Tanner Bridge Rd, Los Angeles, CA 90077		SFR	2	194	108.5	223	67	69				69	72	No	34	35	No	--	--	--	--	--
V-5-272	SB, NB	772+00	1545 Tanner Bridge Rd, Los Angeles, CA 90077		SFR	2	0	158.0	158	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-273	NB	774+73	1781 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	185	331.1	379	67	67				67	72	No	32	35	No	--	--	--	--	--
V-5-274	NB	774+87	1780 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	62	350.7	356	67	67				67	72	No	32	35	No	--	--	--	--	--
V-5-275	SB, NB	775+50	1776 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	0	362.6	363	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-276	NB	776+23	1777 Stone Canyon Rd, Los Angeles, CA 90077	Somma Way to Stone Canyon Rd	SFR	2	44	368.2	371	67	67				67	72	No	32	35	No	--	--	--	--	--
V-5-277	SB	776+70	1766 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	66	378.7	384	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-278	NB	777+00	1775 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	11	369.7	370	67	67				67	72	No	32	35	No	--	--	--	--	--
V-5-279	SB	776+99	1760 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	147	381.7	409	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-280	SB, NB	777+50	1769 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	0	376.1	376	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-281	SB	777+77	1763 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	44	379.2	382	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-282	SB	778+38	1749 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	105	373.3	388	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-283	NB	779+00	1600 Lindamere Pl, Los Angeles, CA 90077		SFR	2	73	279.2	289	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-284	SB	779+21	1743 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	115	362.6	381	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-285	SB, NB	779+50	1601 Lindamere Pl, Los Angeles, CA 90077		SFR	2	0	281.6	282	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-286	SB, NB	780+50	1605 Lindamere Pl, Los Angeles, CA 90077		SFR	2	0	272.4	272	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-287	NB	780+75	1608 Lindamere Pl, Los Angeles, CA 90077		SFR	2	112	263.6	287	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-288	SB	780+75	1727 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	184	335.6	383	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-289	NB	781+25	1610 Lindamere Pl, Los Angeles, CA 90077		SFR	2	144	246.3	285	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-290	NB	781+50	1609 Lindamere Pl, Los Angeles, CA 90077		SFR	2	0	267.8	268	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-291	SB	781+57	1721 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	97	317.7	332	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-292	SB	782+04	1711 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	45	298.8	302	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-293	NB	782+33	10656 Lindamere Dr, Los Angeles, CA 90077		SFR	2	14	260.2	261	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-294	SB, NB	782+75	1703 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	0	275.4	275	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-295	NB	783+20	10651 Lindamere Dr, Los Angeles, CA 90077		SFR	2	171	248.6	302	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-296	NB	783+50	10657 Lindamere Dr, Los Angeles, CA 90077		SFR	2	93	254.0	270	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-297	NB	784+14	10661 Lindamere Dr, Los Angeles, CA 90077		SFR	2	37	254.8	257	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-298	SB	784+42	1704 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	60	296.3	302	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-299	NB	784+54	1693 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	158	220.0	271	67	68				68	72	No	33	35	No	--	--	--	--	--
V-5-300	SB	784+64	1714 Stone Canyon Rd, Los Angeles, CA 90077		SFR	2	164	311.8	352	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-301	SB	795+54	2028 Stradella Rd, Los Angeles, CA 90077		SFR	2	182	601.1	628	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-302	SB	796+38	2036 Stradella Rd, Los Angeles, CA 90077		SFR	2	132	599.5	614	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-303	SB	797+19	2044 Stradella Rd, Los Angeles, CA 90077		SFR	2	77	598.0	603	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-304	SB	797+88	2052 Stradella Rd, Los Angeles, CA 90077		SFR	2	33	596.7	598	70	66				66	72	No	31	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-305	SB	798+68	2055 Stradella Rd, Los Angeles, CA 90077		SFR	2	143	595.2	612	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-306	SB, NB	799+00	2060 Stradella Rd, Los Angeles, CA 90077		SFR	2	0	594.6	595	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-307	SB, NB	799+50	2070 Stradella Rd, Los Angeles, CA 90077		SFR	2	0	591.6	592	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-308	SB	799+80	2065 Stradella Rd, Los Angeles, CA 90077		SFR	2	111	591.0	601	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-309	SB	800+74	2073 Stradella Rd, Los Angeles, CA 90077		SFR	2	95	589.3	597	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-310	SB, NB	801+50	2078 Stradella Rd, Los Angeles, CA 90077		SFR	2	0	587.8	588	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-311	SB	800+31	2081 Stradella Rd, Los Angeles, CA 90077		SFR	2	66	588.1	592	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-312	SB, NB	802+00	2090 Stradella Rd, Los Angeles, CA 90077		SFR	2	0	586.9	587	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-313	SB	802+90	2089 Stradella Rd, Los Angeles, CA 90077		SFR	2	34	583.1	584	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-314	NB	803+24	2100 Stradella Rd, Los Angeles, CA 90077		SFR	2	12	584.5	584.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-315	SB	804+35	2101 Stradella Rd, Los Angeles, CA 90077		SFR	2	0	580.4	580.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-316	NB	804+29	2108 Stradella Rd, Los Angeles, CA 90077		SFR	2	48	584.5	586.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-317	SB, NB	805+00	2107 Stradella Rd, Los Angeles, CA 90077		SFR	2	0	579.2	579.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-318	NB	805+11	2116 Stradella Rd, Los Angeles, CA 90077		SFR	2	94	584.9	592.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-319	NB	805+50	2115 Stradella Rd, Los Angeles, CA 90077		SFR	2	8	580.2	580.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-320	NB	806+11	2124 Stradella Rd, Los Angeles, CA 90077		SFR	2	130	585.0	599.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-321	NB	806+29	2121 Stradella Rd, Los Angeles, CA 90077		SFR	2	51	582.7	585.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-322	NB	808+31	2140 Stradella Rd, Los Angeles, CA 90077		SFR	2	195	588.9	620.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-323	NB	808+41	2141 Stradella Rd, Los Angeles, CA 90077		SFR	2	39	586.7	587.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-324	NB	809+10	2150 Stradella Rd, Los Angeles, CA 90077		SFR	2	180	587.4	614.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-325	NB	809+12	2147 Stradella Rd, Los Angeles, CA 90077		SFR	2	47	587.3	589.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-326	NB	809+97	2158 Stradella Rd, Los Angeles, CA 90077		SFR	2	177	587.7	613.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-327	NB	810+67	2155 Stradella Rd, Los Angeles, CA 90077		SFR	2	63	586.4	589.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-328	SB	810+67	2150 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	130	478.4	495.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-329	SB	811+57	2156 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	97	492.7	502.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-330	NB	811+68	2167 Stradella Rd, Los Angeles, CA 90077		SFR	2	63	586.5	589.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-331	NB	812+08	2173 Stradella Rd, Los Angeles, CA 90077		SFR	2	93	589.7	596.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-332	NB	812+21	2172 Stradella Rd, Los Angeles, CA 90077		SFR	2	186	589.5	618.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-333	SB	812+33	2162 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	85	501.2	508.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-334	SB	813+01	2168 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	54	507.9	510.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-335	NB	813+23	2181 Stradella Rd, Los Angeles, CA 90077		SFR	2	123	589.5	602.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-336	SB	813+58	2169 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	168	506.9	534.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-337	SB	813+64	2174 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	25	514.7	515.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-338	SB	814+00	2178 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	520.1	520.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-339	SB	814+20	2175 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	136	513.7	531.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-340	SB, NB	814+50	2184 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	523.1	523.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-341	SB	814+77	2179 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	93	518.6	526.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-342	NB	814+70	2195 Stradella Rd, Los Angeles, CA 90077		SFR	2	184	594.7	622.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-343	NB	815+14	2200 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	527.9	527.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-344	SB	815+41	2185 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	49	521.4	523.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-345	NB	815+79	2206 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	48	532.7	534.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-346	SB	816+22	2201 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	4	525.8	525.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-347	SB	816+50	2209 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	531.3	531.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-348	NB	816+56	2210 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	58	535.2	538.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-349	NB	816+69	2205 Stradella Rd, Los Angeles, CA 90077		SFR	2	190	592.9	622.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-350	NB	817+29	2216 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	71	537.8	542.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-351	SB	817+50	2213 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	533.4	533.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-352	SB, NB	818+00	2219 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	538.5	538.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-353	NB	817+89	2222 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	81	540.7	546.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-354	SB	818+22	2206 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	153	578.0	597.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-355	SB, NB	818+50	2225 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	541.5	541.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-356	NB	818+58	2226 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	97	545.4	553.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-357	SB	818+94	2212 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	132	576.7	591.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-358	NB	819+37	2232 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	109	547.9	558.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-359	SB	819+50	2218 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	88	577.6	584.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-360	NB	819+40	2229 Rosocomare Rd, Los Angeles, CA 90077		SFR	2	0	543.8	543.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-361	NB	820+00	2235 Roscomare Rd, Los Angeles, CA 90077		SFR	2	25	548.7	549.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-362	NB	820+05	2238 Roscomare Rd, Los Angeles, CA 90077		SFR	2	132	550.6	566.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-363	SB	820+10	2224 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	49	576.5	578.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-364	SB	820+68	2225 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	137	575.4	591.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-365	SB	821+05	2230 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	7	576.7	576.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-366	NB	821+07	2241 Roscomare Rd, Los Angeles, CA 90077		SFR	2	32	552.6	553.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-367	SB	821+25	2229 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	90	574.3	581.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-368	NB	821+60	2247 Roscomare Rd, Los Angeles, CA 90077		SFR	2	60	555.6	558.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-369	SB	821+80	2235 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	38	577.2	578.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-370	NB	822+17	2251 Roscomare Rd, Los Angeles, CA 90077		SFR	2	104	556.5	566.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-371	SB	822+50	2241 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	5	575.9	575.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-372	NB	822+58	2257 Roscomare Rd, Los Angeles, CA 90077		SFR	2	155	561.8	582.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-373	SB, NB	823+00	2247 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	0	575.0	575.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-374	NB	823+22	2261 Roscomare Rd, Los Angeles, CA 90077		SFR	2	189	564.5	595.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-375	NB	823+55	2253 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	19	577.1	577.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-376	NB	823+99	2259 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	54	577.1	579.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-377	NB	824+72	2265 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	88	579.7	586.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-378	NB	825+56	2271 Linda Flora Dr, Los Angeles, CA 90077		SFR	2	101	580.1	588.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-379	NB	828+05	2301 Roscomare Rd, Los Angeles, CA 90077		MFR	2	117	577.4	589.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-380	NB	828+91	2311 Roscomare Rd, Los Angeles, CA 90077		MFR	2	77	587.7	592.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-381	SB	836+03	2350 Nalin Dr, Los Angeles, CA 90077	**Stone Canyon Rd to Mulholland Dr**	SFR	2	0	475.3	475.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-382	SB	836+70	2351 Nalin Dr, Los Angeles, CA 90077		SFR	2	89	473.9	482.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-383	SB	837+17	2361 Nalin Dr, Los Angeles, CA 90077		SFR	2	166	474.4	502.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-384	SB, NB	837+73	2364 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	471.0	471.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-385	SB	837+91	2365 Nalin Dr, Los Angeles, CA 90077		SFR	2	101	477.1	487.6	70	66				66	72	No	31	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-386	NB	838+34	2360 Nalin Dr, Los Angeles, CA 90077		SFR	2	37	483.6	485.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-387	SB	838+76	2368 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	472.0	472.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-388	NB	838+95	15542 Nalin Pl, Los Angeles, CA 90077		SFR	2	24	482.2	482.8	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-389	SB	839+01	2369 Nalin Dr, Los Angeles, CA 90077		SFR	2	108	470.2	482.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-390	SB	839+16	2372 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	470.4	470.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-391	SB	839+31	2373 Nalin Dr, Los Angeles, CA 90077		SFR	2	109	468.5	481.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-392	NB	839+77	15538 Nalin Pl, Los Angeles, CA 90077		SFR	2	19	475.0	475.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-393	SB	839+93	2379 Nalin Dr, Los Angeles, CA 90077		SFR	2	101	469.2	479.8	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-394	NB	840+40	15534 Nalin Pl, Los Angeles, CA 90077		SFR	2	74	475.6	481.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-395	SB	840+58	2386 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	471.8	471.8	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-396	SB, NB	840+68	15541 Nalin Pl, Los Angeles, CA 90077		SFR	2	0	475.9	475.9	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-397	NB	840+77	15537 Nalin Pl, Los Angeles, CA 90077		SFR	2	36	478.0	479.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-398	SB	840+88	2389 Nalin Dr, Los Angeles, CA 90077		SFR	2	131	470.1	488.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-399	SB	841+38	2390 Nalin Dr, Los Angeles, CA 90077		SFR	2	45	472.6	474.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-400	SB, NB	841+83	2394 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	483.1	483.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-401	NB	841+87	2396 Nalin Dr, Los Angeles, CA 90077		SFR	2	13	487.1	487.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-402	SB	842+46	2397 Nalin Dr, Los Angeles, CA 90077		SFR	2	179	473.7	506.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-403	SB	842+64	2408 Nalin Dr, Los Angeles, CA 90077		SFR	2	68	471.9	476.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-404	NB	842+81	2400 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	488.0	488.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-405	SB	842+91	2402 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	476.1	476.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-406	SB	843+19	2407 Nalin Dr, Los Angeles, CA 90077		SFR	2	194	474.4	512.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-407	SB	843+62	2415 Nalin Dr, Los Angeles, CA 90077		SFR	2	192	470.8	508.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-408	SB	843+73	2414 Nalin Dr, Los Angeles, CA 90077		SFR	2	55	473.0	476.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-409	SB	844+18	2422 Nalin Dr, Los Angeles, CA 90077		SFR	2	60	467.4	471.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-410	SB	844+27	2421 Nalin Dr, Los Angeles, CA 90077		SFR	2	187	461.5	498.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-411	SB	845+22	2426 Nalin Dr, Los Angeles, CA 90077		SFR	2	65	464.4	469.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-412	SB	845+50	2427 Nalin Dr, Los Angeles, CA 90077		SFR	2	157	454.7	481.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-413	SB	846+31	2432 Nalin Dr, Los Angeles, CA 90077		SFR	2	38	459.5	461.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-414	SB	846+97	2435 Nalin Dr, Los Angeles, CA 90077		SFR	2	137	444.2	464.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-415	SB	847+39	2438 Nalin Dr, Los Angeles, CA 90077		SFR	2	16	448.6	448.9	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-416	SB	847+65	2445 Nalin Dr, Los Angeles, CA 90077		SFR	2	135	446.9	466.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-417	SB	848+23	2446 Nalin Dr, Los Angeles, CA 90077		SFR	2	18	447.5	447.8	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-418	SB, NB	849+13	2450 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	450.4	450.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-419	SB	849+38	2449 Nalin Dr, Los Angeles, CA 90077		SFR	2	113	428.6	443.2	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-420	NB	849+63	2454 Nalin Dr, Los Angeles, CA 90077		SFR	2	0	452.9	452.9	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-421	NB	851+86	2507 Roscomare Rd, Los Angeles, CA 90077		SFR	2	142	495.1	515.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-422	NB	853+02	2462 Nalin Dr, Los Angeles, CA 90077		SFR	2	5	432.2	432.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-423	SB	852+21	2455 Nalin Dr, Los Angeles, CA 90077		SFR	2	28	429.4	430.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-424	NB	853+07	2468 Nalin Dr, Los Angeles, CA 90077		SFR	2	25	434.3	435.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-425	SB	853+19	2467 Nalin Dr, Los Angeles, CA 90077		SFR	2	16	430.4	430.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-426	NB	853+86	15552 Hamner Dr, Los Angeles, CA 90077		SFR	2	43	435.1	437.2	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-427	SB	854+53	15559 Hamner Dr, Los Angeles, CA 90077		SFR	2	0	433.8	433.8	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-428	NB	854+50	15546 Hamner Dr, Los Angeles, CA 90077		SFR	2	98	435.7	446.6	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-429	NB	854+78	15549 Hamner Dr, Los Angeles, CA 90077		SFR	2	0	434.0	434.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-430	NB	854+98	15536 Hamner Dr, Los Angeles, CA 90077		SFR	2	153	438.2	464.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-431	NB	855+71	15539 Hamner Dr, Los Angeles, CA 90077		SFR	2	37	438.9	440.5	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-432	NB	856+45	15531 Hamner Dr, Los Angeles, CA 90077		SFR	2	102	439.7	451.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-433	NB	857+13	15525 Hamner Dr, Los Angeles, CA 90077		SFR	2	156	444.4	470.9	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-434	SB, NB	857+34	15503 Hamner Dr, Los Angeles, CA 90077		SFR	2	0	510.6	510.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-435	NB	858+18	15497 Hamner Dr, Los Angeles, CA 90077		SFR	2	79	481.4	487.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-436	NB	860+77	15430 Brownwood Pl, Los Angeles, CA 90077		SFR	2	0	590.0	590.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-437	SB	860+94	15436 Brownwood Pl, Los Angeles, CA 90077		SFR	2	0	582.2	582.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-438	SB	861+29	15443 Brownwood Pl, Los Angeles, CA 90077		SFR	2	0	594.5	594.5	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-439	NB	861+50	15422 Brownwood Pl, Los Angeles, CA 90077		SFR	2	87	594.7	601.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-440	SB	861+96	15433 Brownwood Pl, Los Angeles, CA 90077		SFR	2	5	595.2	595.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-441	NB	862+23	15416 Brownwood Pl, Los Angeles, CA 90077		SFR	2	112	593.5	603.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-442	SB, NB	862+48	15423 Brownwood Pl, Los Angeles, CA 90077		SFR	2	0	595.7	595.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-443	NB	862+90	15417 Brownwood Pl, Los Angeles, CA 90077		SFR	2	0	596.1	596.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-444	NB	862+97	15410 Brownwood Pl, Los Angeles, CA 90077		SFR	2	160	584.2	605.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-445	NB	863+28	2775 Roscomare Rd, Los Angeles, CA 90077		SFR	2	192	574.5	605.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-446	NB	863+50	15409 Brownwood Pl, Los Angeles, CA 90077		SFR	2	29	586.7	587.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-447	NB	864+00	15401 Brownwood Pl, Los Angeles, CA 90077		SFR	2	65	577.2	580.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-448	NB	865+13	2800 Roscomare Rd, Los Angeles, CA 90077		SFR	2	115	564.4	576.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-449	SB	865+51	2821 Roscomare Rd, Los Angeles, CA 90077		SFR	2	67	534.7	538.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-450	NB	865+97	2814 Roscomare Rd, Los Angeles, CA 90077		SFR	2	50	553.2	555.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-451	SB	866+69	2841 Roscomare Rd, Los Angeles, CA 90077		SFR	2	118	521.9	535.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-452	NB	867+04	2826 Roscomare Rd, Los Angeles, CA 90077		SFR	2	8	554.3	554.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-453	SB	868+40	2836 Roscomare Rd, Los Angeles, CA 90077		SFR	2	17	539.6	539.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-454	SB, NB	869+83	2854 Roscomare Rd, Los Angeles, CA 90077		SFR	2	0	543.1	543.1	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-455	SB	869+97	2860 Roscomare Rd, Los Angeles, CA 90077		SFR	2	120	519.2	532.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-456	SB	871+04	2908 Roscomare Rd, Los Angeles, CA 90077		SFR	2	138	522.3	540.2	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-457	SB, NB	872+54	3001 Antelo View Dr, Los Angeles, CA 90077		SFR	2	0	589.8	589.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-458	SB	874+54	2928 Roscomare Rd, Los Angeles, CA 90077		SFR	2	66	545.8	549.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-459	SB, NB	876+54	3051 Antelo View Dr, Los Angeles, CA 90077		SFR	2	0	583.8	583.8	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-460	SB	877+29	3040 Roscomare Rd, Los Angeles, CA 90077		SFR	2	198	580.5	613.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-461	SB	878+40	15322 Mulholland Dr, Los Angeles, CA 90077		SFR	2	29	563.6	564.4	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-462	NB	879+24	3155 Antelo Rd, Los Angeles, CA 90077		SFR	2	109	598.5	608.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-463	SB	881+86	15301 Mulholland Dr, Los Angeles, CA 90077		SFR	2	47	665.1	666.8	70	65				65	72	No	30	35	No	--	--	--	--	--
V-5-464	SB	883+17	15325 Mulholland Dr, Los Angeles, CA 90077		SFR	2	189	644.4	671.6	70	65				65	72	No	30	35	No	--	--	--	--	--
V-5-465	SB, NB	883+50	15269 Mulholland Dr, Los Angeles, CA 90077		SFR	2	0	618.7	618.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-466	NB	883+61	15267 Mulholland Dr, Los Angeles, CA 90077		SFR	2	8	646.8	646.9	70	65				65	72	No	30	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-467	NB	884+02	15263 Mulholland Dr, Los Angeles, CA 90077	Mulholland Dr to Woodcliff Rd	SFR	2	107	627.2	636.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-468	SB	885+44	3307 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	130	560.7	575.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-469	SB	886+33	3308 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	145	559.6	578.0	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-470	NB	886+49	3301 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	185	567.7	596.9	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-471	NB	887+03	3304 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	0	564.3	564.3	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-472	NB	886+85	3300 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	115	566.1	577.6	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-473	NB	887+67	3302 Scadlock Ln, Sherman Oaks, CA 91403		SFR	2	74	564.9	569.7	70	66				66	72	No	31	35	No	--	--	--	--	--
V-5-474	SB, NB	889+50	3400 Longbow Ct, Sherman Oaks, CA 91403		SFR	2	0	458.7	458.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-475	SB	890+00	15332 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	73	439.2	445.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-476	SB	890+79	15322 Longbow Dr, Los Angeles, CA 91403		SFR	2	30	452.0	453.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-477	SB, NB	890+80	15312 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	0	460.0	460.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-478	NB	891+14	3406 Longbow Ct, Sherman Oaks, CA 91403		SFR	2	31	460.4	461.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-479	SB	891+44	15317 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	153	412.7	440.0	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-480	NB	891+88	3375 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	109	435.1	448.5	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-481	SB	892+18	15301 Longbow Dr, Sherman Oaks, CA 91403		SFR	2	134	393.4	415.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-482	SB, NB	892+50	3401 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	0	429.7	429.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-483	NB	892+57	3391 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	46	431.8	434.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-484	NB	893+04	3378 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	161	426.3	455.8	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-485	SB	893+57	3409 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	0	414.8	414.8	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-486	NB	893+61	3390 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	79	426.8	434.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-487	NB	894+18	3400 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	0	417.4	417.4	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-488	SB, NB	894+50	3410 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	0	409.7	409.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-489	SB	894+57	3426 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	145	395.8	421.7	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-490	SB	894+93	3418 Vista Haven Rd, Sherman Oaks, CA 91403		SFR	2	58	406.2	410.3	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-491	NB	896+66	3549 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	182	335.9	382.1	70	67				67	72	No	32	35	No	--	--	--	--	--
V-5-492	NB	897+09	3555 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	103	326.3	342.1	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-493	NB	897+52	3563 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	45	320.7	323.9	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-494	SB	897+69	15316 Stonewood Terrace, Sherman Oaks, CA 91403		SFR	2	70	320.9	328.3	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-495	SB	897+86	15324 Stonewood Terrace, Sherman Oaks, CA 91403		SFR	2	163	327.1	365.4	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-496	SB, NB	898+14	15308 Stonewood Terrace, Sherman Oaks, CA 91403		SFR	2	0	313.4	313.4	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-497	NB	898+40	3560 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	153	323.6	357.8	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-498	SB	898+78	15319 Stonewood Terrace, Sherman Oaks, CA 91403		SFR	2	115	322.0	342.0	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-499	NB	898+89	3568 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	90	316.1	328.6	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-500	SB	899+20	3581 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	0	302.4	302.4	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-501	NB	899+47	3576 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	34	308.7	310.6	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-502	SB	899+89	3589 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	85	297.1	309.1	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-503	NB	900+26	3584 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	0	299.5	299.5	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-504	NB	900+55	3583 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	90	287.8	301.6	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-505	SB	900+88	3593 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	38	290.1	292.5	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-506	NB	900+88	3591 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	13	278.1	278.4	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-507	SB	901+24	3591 Stonewood Dr, Sherman Oaks, CA 91403		SFR	2	165	298.5	340.8	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-508	SB	901+44	3601 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	0	266.7	266.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-509	SB	901+98	3609 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	82	259.2	271.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-510	SB	902+58	3617 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	141	251.8	288.8	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-511	NB	901+54	3584 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	136	286.8	317.3	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-512	NB	901+94	3592 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	66	279.2	286.9	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-513	NB	902+41	3600 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	9	271.6	271.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-514	SB, NB	902+69	3606 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	0	263.9	263.9	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-515	NB	903+31	3623 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	108	282.5	302.5	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-516	SB	903+53	3614 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	17	256.8	257.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-517	NB	903+73	3629 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	50	277.0	281.5	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-518	SB	903+90	3624 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	82	245.1	258.5	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-519	NB	904+47	3635 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	9	273.7	273.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-520	SB	904+63	3634 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	145	233.9	275.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-521	SB, NB	904+68	3643 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	269.9	269.9	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-522	NB	904+83	3632 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	149	280.1	317.1	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-523	NB	905+34	3638 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	95	274.6	290.4	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-524	NB	905+42	3628 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	203	280.6	346.1	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-525	SB	905+54	3644 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	206	224.8	304.9	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-526	SB, NB	905+63	3651 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	260.9	260.9	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-527	NB	905+79	3648 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	78	265.0	276.2	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-528	SB, NB	906+54	3659 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	251.8	251.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-529	NB	906+67	3660 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	80	251.9	264.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-530	SB	907+23	3720 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	94	214.5	234.1	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-531	NB	907+30	3672 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	169	252.5	304.0	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-532	NB	907+31	3667 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	9	244.5	244.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-533	SB, NB	907+70	3738 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	0	232.9	232.9	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-534	SB	907+79	3728 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	44	215.0	219.4	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-535	NB	908+52	3757 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	69	239.7	249.4	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-536	SB	908+84	3727 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	138	216.1	256.1	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-537	SB	909+01	3733 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	57	226.2	233.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-538	NB	908+98	3747 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	24	236.2	237.4	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-539	SB, NB	909+10	3741 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	0	232.3	232.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-540	NB	909+60	3712 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	189	254.8	317.0	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-541	NB	910+19	3721 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	83	255.4	268.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-542	SB	910+24	3721 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	59	201.5	209.8	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-543	NB	910+38	3718 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	174	255.6	309.0	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-544	SB	911+12	3719 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	36	202.3	205.6	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-545	NB	911+14	3726 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	174	256.4	309.9	70	68				68	72	No	33	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-546	NB	911+48	3729 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	86	256.7	270.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-547	NB	911+93	3734 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	165	257.2	305.3	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-548	NB	912+13	3739 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	41	257.4	260.6	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-549	SB	912+33	3717 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	140	197.6	242.1	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-550	SB, NB	912+50	3757 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	259.7	259.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-551	NB	912+63	3742 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	146	257.9	296.5	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-552	NB	912+98	3749 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	34	258.2	260.4	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-553	NB	913+36	3750 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	130	258.6	289.2	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-554	NB	913+50	3761 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	258.7	258.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-555	SB, NB	913+92	3767 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	259.1	259.1	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-556	NB	914+14	3758 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	105	261.4	281.7	70	68				68	72	No	33	35	No	--	--	--	--	--
V-5-557	NB	914+90	3766 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	84	262.1	275.4	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-558	SB, NB	915+20	3775 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	262.4	262.4	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-559	NB	915+75	3778 Sheridge Dr, Sherman Oaks, CA 91403		SFR	2	0	265.0	265.0	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-560	SB	915+86	3715 Meadville Dr, Sherman Oaks, CA 91403		SFR	2	148	185.1	237.2	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-561	SB	917+39	3820 Kingswood Rd, Sherman Oaks, CA 91403		SFR	2	154	148.6	214.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-562	SB	918+27	3830 Kingswood Rd, Sherman Oaks, CA 91403		SFR	2	147	147.5	208.5	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-563	SB	920+58	3850 Kingswood Rd, Sherman Oaks, CA 91403		SFR	2	180	147.8	232.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-564	SB	924+18	3900 Kingswood Rd, Sherman Oaks, CA 91403		SFR	2	122	149.4	193.0	68	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-565	SB	924+50	3914 Kingswood Rd, Sherman Oaks, CA 91403		SFR	2	157	141.7	211.4	68	69				69	72	No	34	35	No	--	--	--	--	--
V-5-566	SB	925+25	3920 Kingswood Rd, Sherman Oaks, CA 91403		SFR	2	0	178.5	178.5	68	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-567	SB, NB	926+50	3922 Kingswood Rd, Sherman Oaks, CA 91403		SFR	2	0	177.7	177.7	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-568	SB, NB	927+50	15300 Kingswood Ln, Sherman Oaks, CA 91403		SFR	2	0	174.7	174.7	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-569	SB	927+75	15310 Kingswood Ln, Sherman Oaks, CA 91403		SFR	2	90	151.0	175.8	66	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-570	SB	929+40	15301 Kingswood Ln, Sherman Oaks, CA 91403		SFR	2	0	160.6	160.6	66	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-571	SB	929+85	15311 Kingswood Ln, Sherman Oaks, CA 91403		SFR	2	77	145.1	164.2	65	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-572	SB, NB	930+75	15310 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	0	146.0	146.0	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-573	SB	931+03	15320 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	66	136.3	151.3	65	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-574	SB	931+13	15328 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	193	132.4	234.1	65	68				68	72	No	33	35	No	--	--	--	--	--
V-5-575	NB	932+00	15300 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	73	149.2	166.0	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-576	NB	932+29	15294 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	158	185.5	243.9	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-577	SB	933+03	15317 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	163	118.3	201.7	64	69				69	72	No	34	35	No	--	--	--	--	--
V-5-578	SB	933+34	15311 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	109	126.6	167.2	63	69				69	72	No	34	35	No	--	--	--	--	--
V-5-579	SB	933+56	15301 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	55	128.8	140.2	63	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-580	NB	933+73	15288 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	28	143.0	145.7	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-581	SB	934+48	4065 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	51	133.7	143.0	63	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-582	NB	934+60	15284 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	88	169.8	191.4	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-583	SB	935+11	4101 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	78	122.3	144.9	62	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-584	SB	935+27	4105 Saugus Ave, Van Nuys, CA 91403		SFR	2	68	120.5	138.6	62	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-585	NB	935+64	4104 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	27	140.9	143.4	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-586	SB	935+72	4111 Saugus Ave, Van Nuys, CA 91403	**Woodcliff Rd to Valley Vista Blvd**	SFR	2	54	118.9	130.7	62	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-587	NB	936+02	4108 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	26	141.2	143.7	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-588	SB	936+09	4112 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	197	109.3	225.2	61	68				68	72	No	33	35	No	--	--	--	--	--
V-5-589	SB	936+28	4115 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	55	115.5	128.0	61	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-590	NB	936+53	15265 Rayneta Dr, Sherman Oaks, CA 91403		SFR	2	147	163.8	220.2	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-591	NB	936+57	4112 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	38	143.8	148.6	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-592	NB	937+06	4121 Saugus Ave, Van Nuys, CA 91403		SFR	2	62	114.3	130.0	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-593	NB	937+50	4118 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	32	138.7	142.4	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-594	NB	937+60	15292 Encanto Dr, Sherman Oaks, CA 91403		SFR	2	36	134.8	139.5	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-595	SB	937+78	4129 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	55	113.0	125.8	60	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-596	SB	937+99	4133 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	67	111.2	129.8	60	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-597	SB	938+06	4132 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	195	103.3	220.6	60	68				68	72	No	33	35	No	--	--	--	--	--
V-5-598	NB	938+13	15286 Encanto Dr, Sherman Oaks, CA 91403		SFR	2	71	133.4	150.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-599	NB	938+73	15278 Encanto Dr, Sherman Oaks, CA 91403		SFR	2	129	148.0	196.1	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-600	SB	938+76	4137 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	64	110.0	127.0	59	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-601	SB	938+82	4142 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	169	104.0	198.5	59	68				68	72	No	33	35	No	--	--	--	--	--
V-5-602	SB	938+88	4144 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	192	102.1	217.5	59	68				68	72	No	33	35	No	--	--	--	--	--
V-5-603	SB	939+03	4143 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	60	106.3	122.1	59	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-604	NB	939+43	15268 Encanto Dr, Sherman Oaks, CA 91403		SFR	2	149	150.7	211.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-605	NB	939+40	4144 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	21	122.6	124.4	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-606	NB	939+51	15275 Encanto Dr, Sherman Oaks, CA 91403		SFR	2	54	130.7	141.5	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-607	SB	939+64	4151 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	54	106.9	119.8	59	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-608	SB	940+59	4155 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	62	107.8	124.2	58	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-609	NB	940+73	15263 Encanto Dr, Sherman Oaks, CA 91403		SFR	2	132	138.0	191.0	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-610	NB	940+78	4152 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	13	116.0	116.7	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-611	SB	940+73	4156 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	192	102.0	217.7	57	68				68	72	No	33	35	No	--	--	--	--	--
V-5-612	NB	941+08	15282 Del Gado Dr, Sherman Oaks, CA 91403		SFR	2	29	118.3	121.7	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-613	NB	941+18	15257 Encanto Dr, Sherman Oaks, CA 91403		SFR	2	173	118.4	209.5	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-614	SB	941+42	4162 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	181	102.6	208.0	57	68				68	72	No	33	35	No	--	--	--	--	--
V-5-615	NB	941+62	15274 Del Gado Dr, Sherman Oaks, CA 91403		SFR	2	62	118.8	133.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-616	SB	941+65	4165 Saugus Ave, Van Nuys, CA 91403		SFR	2	73	104.9	127.7	57	69				69	72	No	34	35	No	--	--	--	--	--
V-5-617	NB	942+03	15268 Del Gado Dr, Sherman Oaks, CA 91403		SFR	2	107	125.3	164.8	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-618	SB	942+11	4203 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	79	103.3	130.1	56	69				69	72	No	34	35	No	--	--	--	--	--
V-5-619	NB	942+25	15275 Del Gado Dr, Sherman Oaks, CA 91403		SFR	2	12	109.5	110.1	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-620	NB	942+77	15260 Del Gado Dr, Sherman Oaks, CA 91403		SFR	2	131	126.0	181.4	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-621	SB	942+76	4207 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	70	100.0	121.8	56	69				69	72	No	34	35	No	--	--	--	--	--
V-5-622	NB	942+95	4214 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	20	106.2	108.1	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-623	SB	943+36	4211 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	67	100.6	120.8	55	69				69	72	No	34	35	No	--	--	--	--	--
V-5-624	NB	943+50	4218 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	29	106.7	110.6	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-625	NB	943+81	15255 Del Gado Dr, Sherman Oaks, CA 91403		SFR	2	86	125.0	151.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-626	SB	943+91	4219 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	59	99.1	115.3	54	69				69	72	No	34	35	No	--	--	--	--	--
V-5-627	SB	944+25	4222 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	205	95.5	226.1	54	67				67	72	No	32	35	No	--	--	--	--	--
V-5-628	SB	944+55	4225 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	48	97.8	108.9	53	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-629	NB	944+57	4232 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	27	97.8	101.5	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-630	SB	944+86	4231 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	49	96.1	108.0	53	69				69	72	No	34	35	No	--	--	--	--	--
V-5-631	NB	945+29	4242 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	41	94.5	102.9	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-632	SB	945+72	4237 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	32	96.9	102.1	52	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-633	SB	946+00	4243 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	19	95.2	97.1	52	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-634	SB	946+08	4238 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	186	93.3	208.0	51	67				67	72	No	32	35	No	--	--	--	--	--
V-5-635	NB	946+27	4250 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	78	93.5	121.9	68	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-636	SB	946+34	4244 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	179	93.6	202.2	51	67				67	72	No	32	35	No	--	--	--	--	--
V-5-637	SB	946+71	4249 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	11	93.9	94.6	51	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-638	NB	946+73	4254 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	91	94.0	130.7	67	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-639	SB	946+96	4250 Woodcliff Rd, Sherman Oaks, CA 91403		SFR	2	200	92.2	219.9	50	66				66	72	No	31	35	No	--	--	--	--	--
V-5-640	SB, NB	947+30	4257 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	0	94.5	94.5	66	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-641	NB	947+86	15244 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	103	93.1	138.8	64	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-642	SB, NB	948+00	15258 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	0	93.2	93.2	64	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-643	SB	948+37	15266 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	46	93.6	104.3	48	69				69	72	No	34	35	No	--	--	--	--	--
V-5-644	SB	948+52	15272 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	104	91.7	138.7	48	68				68	72	No	33	35	No	--	--	--	--	--
V-5-645	SB	948+65	15278 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	165	91.9	189.2	47	66				66	72	No	31	35	No	--	--	--	--	--
V-5-646	NB	949+52	15243 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	97	90.7	132.6	61	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-647	NB	950+00	15259 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	0	89.2	89.2	59	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-648	SB	950+38	15267 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	7	89.6	89.9	44	69				69	72	No	34	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-649	NB	950+39	4312 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	107	89.6	139.5	58	69				69	72	No	34	35	No	--	--	--	--	--
V-5-650	SB	950+81	15281 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	155	90.0	179.3	43	66				66	72	No	31	35	No	--	--	--	--	--
V-5-651	SB	951+03	15275 Valley Vista Blvd, Sherman Oaks, CA 91403		SFR	2	72	90.3	115.3	43	67				67	72	No	32	35	No	--	--	--	--	--
V-5-652	NB	951+65	4320 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	100	86.9	132.7	55	69				69	72	No	34	35	No	--	--	--	--	--
V-5-653	NB	951+90	15240 Sutton St, Sherman Oaks, CA 91403		SFR	2	122	85.1	148.8	54	69				69	72	No	34	35	No	--	--	--	--	--
V-5-654	NB	952+47	15250 Sutton St, Sherman Oaks, CA 91403		SFR	2	79	87.7	117.9	53	69				69	72	No	34	35	No	--	--	--	--	--
V-5-655	SB, NB	952+50	4321 Saugus Ave, Sherman Oaks, CA 91403		MFR	2	0	89.7	89.7	53	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-656	SB	952+93	15266 Sutton St, Sherman Oaks, CA 91403		MFR	2	41	87.2	96.4	39	67				67	72	No	32	35	No	--	--	--	--	--
V-5-657	SB	953+14	15270 Sutton St, Sherman Oaks, CA 91403		MFR	2	80	86.4	117.8	38	66				66	72	No	31	35	No	--	--	--	--	--
V-5-658	SB	953+50	15286 Sutton St, Sherman Oaks, CA 91403		MFR	2	212	84.7	228.0	37	64				64	72	No	29	35	No	--	--	--	--	--
V-5-659	NB	953+77	15247 Sutton St, Sherman Oaks, CA 91403		SFR	2	120	83.0	146.1	48	68		Y		73	72	**Yes**	38	35	**Yes**	Spring Frogs	68	None	18	None
V-5-660	NB	953+85	15237 Sutton St, Sherman Oaks, CA 91403		SFR	2	176	83.1	194.8	48	66				66	72	No	31	35	No	--	--	--	--	--
V-5-661	NB	953+95	15253 Sutton St, Sherman Oaks, CA 91403		MFR	2	44	83.2	93.9	48	69		Y		74	72	**Yes**	39	35	**Yes**	Spring Frogs	69	None	19	None
V-5-662	SB	954+27	15267 Sutton St, Sherman Oaks, CA 91403		MFR	2	21	85.5	88.1	35	67		Y		72	72	**Yes**	37	35	**Yes**	Spring Frogs	67	None	17	None
V-5-663	NB	954+65	4414 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	40	82.9	91.8	46	69	Y			79	72	**Yes**	44	35	**Yes**	Resiliently Supported Ties	69	None	19	None
V-5-664	SB	954+86	4400 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	187	84.1	205.3	33	63		Y		68	72	No	33	35	No	--	--	--	--	--
V-5-665	SB	954+95	4411 Saugus Ave, Sherman Oaks, CA 91403	**Valley Vista Blvd to Sepulveda/Ventura Station**	MFR	2	31	74.2	80.5	32	66	Y			76	72	**Yes**	41	35	**Yes**	Resiliently Supported Ties	66	None	16	None
V-5-666	SB	955+03	4410 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	186	84.3	204.4	32	63		Y		68	72	No	33	35	No	--	--	--	--	--
V-5-667	NB	955+21	4420 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	39	82.4	91.1	43	68	Y			78	72	**Yes**	43	35	**Yes**	Resiliently Supported Ties	68	None	18	None
V-5-668	SB	955+61	4415 Saugus Ave, Sherman Oaks, CA 91403		MFR	2	35	80.8	88.2	30	65	Y			75	72	**Yes**	40	35	**Yes**	Resiliently Supported Ties	65	None	15	None
V-5-669	NB	955+88	4428 Saugus Ave, Sherman Oaks, CA 91403		SFR	2	41	81.1	90.7	41	68		Y		73	72	**Yes**	38	35	**Yes**	Spring Frogs	68	None	18	None
V-5-670	NB	955+87	15232 Greenleaf St, Sherman Oaks, CA 91403		SFR	2	128	81.1	151.5	41	66		Y		71	72	No	36	35	**Yes**	Spring Frogs	66	None	16	None
V-5-671	SB	956+10	4440 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	178	77.3	193.6	28	62		Y		67	72	No	32	35	No	--	--	--	--	--
V-5-672	SB	956+47	4429 Saugus Ave, Sherman Oaks, CA 91403		MFR	2	33	81.7	87.9	26	64		Y		69	72	No	34	35	No	--	--	--	--	--
V-5-673	NB	956+86	15236 Greenleaf St, Sherman Oaks, CA 91403		SFR	2	151	80.1	171.1	38	65		Y		70	72	No	35	35	**Yes**	Spring Frogs	65	None	15	None
V-5-674	SB	957+22	4441 Saugus Ave, Sherman Oaks, CA 91403		MFR	2	28	82.4	86.9	20	62		Y		67	72	No	32	35	No	--	--	--	--	--
V-5-675	NB	957+16	15246 Greenleaf St, Sherman Oaks, CA 91403		SFR/ Day Care	2	101	80.4	128.8	37	66		Y		71	72	No	36	35	**Yes**	Spring Frogs	66	None	16	None
V-5-676	NB	957+26	15260 Greenleaf St, Sherman Oaks, CA 91403		SFR/Video Prod	2	44	80.5	91.9	36	67	Y			77	72	**Yes**	42	35	**Yes**	Resiliently Supported Ties	67	None	17	None
V-5-677	SB	958+20	4443 Saugus Ave, Sherman Oaks, CA 91403		MFR	2	23	81.4	84.7	10	56	Y			66	72	No	31	35	No	--	--	--	--	--
V-5-678	NB	958+44	15237 Greenleaf St, Sherman Oaks, CA 91403		SFR	2	196	77.7	210.7	32	63	Y		Y	68	72	No	33	35	No	--	--	--	--	--
V-5-679	NB	958+78	4506 Saugus Ave, Sherman Oaks, CA 91403		MFR	2	39	80.0	89.1	30	65		Y	Y	65	72	No	30	35	No	--	--	--	--	--
V-5-680	NB	958+96	15245 Greenleaf St, Sherman Oaks, CA 91403		SFR	2	115	78.2	138.8	28	63		Y	Y	63	72	No	28	35	No	--	--	--	--	--
V-5-681	NB	959+86	15241 Greenleaf St, Sherman Oaks, CA 91403		SFR	2	133	79.1	154.8	24	61			Y	56	72	No	21	35	No	--	--	--	--	--
V-5-682	NB	960+53	4522 Saugus Ave, Sherman Oaks, CA 91403		MFR	2	53	77.8	94.0	15	59			Y	54	72	No	19	35	No	--	--	--	--	--
V-5-683	NB	960+63	15248 Dickens St, Sherman Oaks, CA 91403		MFR	2	150	75.9	168.1	15	57			Y	52	72	No	17	35	No	--	--	--	--	--
	958+35	962+15	**VENTURA/SEPULVEDA UNDERGROUND STATION**																						
V-5-684	SB	965+94	Premiere Networks/Steve Harvey/Fox Sports Radio 15260 Ventura Blvd, Sherman Oaks, CA 91403		Radio/TV Studio	Special Bldg	89	76.4	117.1	47	68				68	65	**Yes**	33	25	**Yes**	Resiliently Supported Ties	58	None	8	None
V-5-685	NB	969+25	Los Angeles Ballet Academy 15255 Ventura Blvd, Sherman Oaks, CA 91403		Dance Studio	3	79	83.2	114.9	48	68				68	75	No	33	40	No	--	--	--	--	--
V-5-686	SB	971+29	3 Ball Entertainment 15301 Ventura Blvd, Sherman Oaks, CA 91403		TV Studio	1	58	84.8	102.9	54	70				70	65	**Yes**	35	25	**Yes**	Resiliently Supported Ties	60	None	10	None
V-5-687	SB	972+26	4630 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	125	85.9	151.7	56	69				69	72	No	34	35	No	--	--	--	--	--
V-5-688	SB	972+90	4638 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	120	89.0	149.5	58	69				69	72	No	34	35	No	--	--	--	--	--
V-5-689	SB	974+83	4650 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	109	93.3	143.7	63	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-690	SB	975+34	4700 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	99	93.0	135.9	64	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-691	SB	976+44	4706 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	103	96.5	141.1	66	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-692	SB	977+48	4724 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	104	96.9	141.8	69	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-693	SB	978+57	4734 Sepulveda Blvd, Sherman Oaks, CA 91403	**Ventura/Sepulveda Station to US-101**	MFR	2	103	99.4	143.0	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-694	SB	978+66	4735 Sepulveda Blvd, Los Angeles, CA 91403		MFR	2	67	99.7	120.3	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-695	SB	979+56	4742 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	102	102.7	144.8	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-696	SB	981+00	4750 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	105	105.3	148.4	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-697	SB	981+44	4781 Sepulveda Blvd, Sherman Oaks, CA 91403		Motel	2	89	106.8	138.7	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-698	SB	982+22	4800 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	64	107.3	124.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-699	NB	982+85	4806 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	44	108.4	117.1	69	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-700	NB	983+89	4812 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	46	110.7	120.1	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-701	NB	984+27	15242 La Maida St, Sherman Oaks, CA 91403		SFR	2	166	110.0	199.3	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-702	NB	985+85	4860 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	30	117.1	120.8	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-703	NB	986+32	15243 La Maida St, Sherman Oaks, CA 91403		SFR	2	162	114.6	198.1	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-704	NB	990+70	15240 Morrison St, Sherman Oaks, CA 91403		SFR	2	166	123.9	206.9	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-705	NB	991+30	4922 Sepulveda Blvd, Sherman Oaks, CA 91403		SFR	2	39	126.8	132.8	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-706	NB	992+26	4950 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	39	128.9	134.6	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-707	NB	992+60	15243 Morrison St, Sherman Oaks, CA 91403		SFR	2	171	129.0	213.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-708	NB	993+16	4960 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	38	130.9	136.3	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-709	NB	993+60	15242 Valleyheart Dr, Sherman Oaks, CA 91403		SFR	2	171	130.3	214.7	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-710	NB	994+17	4970 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	48	134.1	142.4	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-711	NB	994+60	15252 Valleyheart Dr, Sherman Oaks, CA 91403		MFR	2	38	133.5	138.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-712	NB	997+31	15245 Valleyheart Dr, Sherman Oaks, CA 91403		SFR	2	118	141.3	184.2	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-713	NB	997+60	5030 Sepulveda Blvd, Sherman Oaks, CA 91403	**US-101 to Magnolia Blvd**	MFR	2	39	143.3	148.5	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-714	NB	997+88	15236 Hesby St, Sherman Oaks, CA 91403		SFR	2	212	142.2	254.9	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-715	NB	999+29	15237 Hesby St, Sherman Oaks, CA 91403		SFR	2	208	145.8	254.1	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-716	NB	1000+60	5050 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	36	151.0	155.1	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-717	NB	1001+05	15236 Otsego St, Sherman Oaks, CA 91403		SFR	2	216	152.5	264.4	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-718	SB	1001+48	Los Angeles Fire Department - Station 88 5101 Sepulveda Blvd, Sherman Oaks, CA 91403		Fire Department	3	82	153.9	174.2	70	70				70	75	No	35	40	No	--	--	--	--	--
V-5-719	NB	1001+97	5104 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	44	155.5	161.5	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-720	NB	1003+60	5112 Sepulveda Blvd, Sherman Oaks, CA 91403		MFR	2	41	160.8	165.9	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-721	NB	1004+30	15236 Hartsook St, Sherman Oaks, CA 91403		SFR	2	216	163.1	270.6	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-722	SB	1005+77	US Army Reserve Sepulveda Blvd, Sherman Oaks, CA 91403		Institutional	3	118	169.8	206.9	70	70				70	75	No	35	40	No	--	--	--	--	--
V-5-723	NB	1006+14	15237 Hartsook St, Sherman Oaks, CA 91403		SFR	2	216	169.1	274.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-724	NB	1007+03	15222 Magnolia Blvd, Sherman Oaks, CA 91403		MFR	2	213	173.9	274.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-725	SB	1009+21	LA Live Stream 15315 Magnolia Blvd, Sherman Oaks, CA 91403		Live Stream/ Video, audio	Special Bldg	77	181.0	196.6	70	70				70	65	**Yes**	35	25	**Yes**	Resiliently Supported Ties	60	None	10	None
V-5-726	NB	1009+72	15233 Magnolia Blvd, Sherman Oaks, CA 91403		MFR	2	36	182.7	186.3	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-727	NB	1012+59	15231 Magnolia Blvd, Sherman Oaks, CA 91403		MFR	2	39	194.0	198.0	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-728	SB	1013+60	5259 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	80	195.2	210.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-729	NB	1015+59	5308 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	89	189.3	209.0	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-730	SB	1016+46	5307 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	78	186.7	202.3	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-731	SB	1017+24	5329 Sepulveda Blvd, Sherman Oaks, CA 91411		SFR/church	2	105	185.4	212.8	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-732	NB	1017+59	5324 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	90	182.4	203.6	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-733	NB	1018+59	5332 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	90	180.4	201.8	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-734	NB	1020+26	5350 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	94	177.5	200.6	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-735	SB	1020+91	5345 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	72	175.6	189.9	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-736	SB	1021+60	5401 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	77	173.6	190.0	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-737	NB	1023+15	5412 Sepulveda Blvd, Sherman Oaks, CA 91411	**Magnolia Blvd to Burbank Blvd**	MFR	2	56	171.0	179.8	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-738	SB	1023+60	5415 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	79	169.7	187.1	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-739	SB	1023+84	5427 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	80	168.9	186.8	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-740	NB	1024+59	5424 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	52	168.7	176.5	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-741	SB	1025+10	5433 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	80	167.2	185.3	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-742	NB	1025+59	5444 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	52	165.8	173.7	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-743	NB	1026+52	5450 Sepulveda Blvd, Sherman Oaks, CA 91411		Motel	2	90	163.0	186.4	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-744	SB	1026+60	5451 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	80	162.8	181.3	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-745	SB	1027+60	15304 Albers St, Sherman Oaks, CA 91411		MFR	2	78	159.9	177.9	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-746	NB	1027+75	5450 Sepulveda Blvd, Sherman Oaks, CA 91411		Church	3	126	159.4	203.2	70	70				70	75	No	35	40	No	--	--	--	--	--
V-5-747	NB	1029+59	5510 Sepulveda Blvd, Sherman Oaks, CA 91411		MFR	2	36	156.0	160.2	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-748	NB	1030+59	City of Hope Radiation Oncology/Skyline Urology 5522 Sepulveda Blvd, Sherman Oaks, CA 91411		Medical	3	122	155.0	197.3	70	70				70	75	No	35	40	No	--	--	--	--	--
V-5-749	SB	1032+23	5525 Sepulveda Blvd, Sherman Oaks, CA 91411		Hotel	2	61	150.2	162.2	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-750	NB	1037+60	15232 Martha St, Van Nuys, CA 91411	**Burbank Blvd to Metro G-Line/Sepulveda Station**	MFR	2	185	138.4	231.3	70	69				69	72	No	34	35	No	--	--	--	--	--
V-5-751	NB	1038+60	5638 Sepulveda Blvd, Van Nuys, CA 91411		Hotel	2	33	135.4	139.3	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-752	SB	1039+60	Synapse Orthopedic Group/Kinetix Surgery 5651 Sepulveda Blvd, Van Nuys, CA 91411		Medical	3	70	133.5	150.6	70	71				71	75	No	36	40	No	--	--	--	--	--
V-5-753	NB	1041+10	5658 Sepulveda Blvd, Van Nuys, CA 91411		Hospice Care	2	36	130.0	135.0	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-754	NB	1042+60	5700 Sepulveda Blvd, Van Nuys, CA 91411		MFR/Mixed	2	40	125.6	131.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-755	NB	1044+10	5724 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	44	123.2	130.7	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-756	NB	1044+82	5732 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	46	121.1	129.4	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-757	NB	1045+33	5740 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	46	119.5	128.1	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-758	NB	1045+79	5746 Sepulveda Blvd, Van Nuys, CA 91411		Motel	2	43	118.2	125.8	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-759	NB	1047+10	5764 Sepulveda Blvd, Van Nuys, CA 91411		Motel	2	51	114.3	125.1	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
	1060+80	1064+65	**METRO G-LINE/SEPULVEDA STATION**																						
V-5-760	NB	1077+20	Contractors State License School 6222-6228 Sepulveda Blvd, Van Nuys, CA 91406	**Metro G-Line/Sepulveda Station to Victory Blvd**	Institutional	3	52	87.2	101.3	51	69				69	75	No	34	40	No	--	--	--	--	--
V-5-761	NB	1078+58	6242 Sepulveda Blvd, Van Nuys, CA 91406		Motel	2	46	87.1	98.7	53	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-762	SB	1095+50	6501 Sepulveda Blvd, Van Nuys, CA 91411		Motel	2	103	78.2	129.5	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-763	NB	1095+60	6500 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	56	79.1	96.8	65	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-764	SB	1095+60	6513 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	79.1	130.1	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-765	SB	1096+60	6519 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	78.4	129.7	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-766	SB	1097+10	6525 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	78.0	129.5	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-767	NB	1097+10	6524 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	59	78.0	97.6	66	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-768	NB	1097+60	6530 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	61	77.7	99.0	67	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-769	SB	1098+10	6531 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	78.3	129.6	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-770	NB	1098+60	6540 Sepulveda Blvd, Los Angeles, CA 91411		SFR	2	57	79.0	97.1	67	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-771	SB	1099+10	6545 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	104	78.6	130.0	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-772	NB	1099+10	6546 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	59	78.6	98.1	67	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-773	SB	1099+60	6553 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	78.3	129.6	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-774	SB	1100+10	6555 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	104	77.9	129.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-775	NB	1100+10	15240 Kittridge St, Van Nuys, CA 91405		MFR	2	56	77.9	96.2	68	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-776	SB	1100+60	6561-6569 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	104	78.6	130.3	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-777	SB	1101+15	6601-6605 Sepulveda Blvd, Van Nuys, CA 91411	**Victory Blvd to Vanowen St**	MFR	2	103	78.2	129.5	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-778	NB	1102+10	6600 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	65	80.5	103.8	69	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-779	SB	1102+10	6615 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	107	76.5	131.6	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-780	NB	1103+10	6628 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	63	79.8	101.5	69	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-781	SB	1103+60	6629 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	77.4	129.2	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-782	SB	1104+10	6633 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	78.1	129.6	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-783	NB	1104+60	6640 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	70	78.7	105.1	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-784	SB	1104+71	6643 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	78.6	129.5	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-785	SB	1105+60	6649 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	78.0	129.1	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-786	SB	1106+33	6655 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	77.5	128.9	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-787	NB	1106+60	6666 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	63	79.3	101.3	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-788	SB	1106+86	6661 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	103	77.1	128.6	70	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-789	SB	1107+86	15307 Lemay St, Van Nuys, CA 91411		MFR	2	45	77.4	89.5	70	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-790	SB	1108+76	6709 Sepulveda Blvd, Van Nuys, CA 91411		MFR	2	45	77.8	89.8	70	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-791	NB	1108+80	6700 Sepulveda Blvd, Van Nuys, CA 91411		Hospital	2	64	77.7	100.7	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-792	SB	1110+10	15306 Archwood St, Van Nuys, CA 91411		MFR	2	45	78.8	90.9	70	73				73	72	**Yes**	38	35	**Yes**	High-resilient Fasteners	68	None	18	None
V-5-793	NB	1115+10	EpicWave Laboratory 15243 Vanowen St, Van Nuys, CA 91405		Medical Lab	3	134	79.3	155.9	70	71				71	75	No	36	40	No	--	--	--	--	--
V-5-794	SB	1117+10	6833 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	43	77.8	88.9	64	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-795	SB	1118+10	6841 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	55	79.1	96.2	63	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-796	NB	1119+10	6850 Sepulveda Blvd, Van Nuys, CA 91405		Hospital	2	151	80.4	171.3	70	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-797	SB	1119+60	6851 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	55	78.1	95.4	61	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-798	SB	1120+10	6861 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	49	77.7	91.8	60	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-799	SB	1121+60	6909 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	50	78.6	93.1	58	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-800	SB	1122+60	6919 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	64	77.9	101.0	57	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-801	NB	1123+23	6920 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	88	77.5	116.9	70	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-802	SB	1123+60	6929 Sepulveda Blvd, Van Nuys, CA 91405	**Vanowen St to Sepulveda/Sherman Way Station**	MFR	2	62	79.2	100.7	56	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-803	SB	1124+60	6939 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	69	78.5	104.7	54	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-804	SB	1125+10	6945 Sepulveda Blvd, Van Nuys, CA 91405		Motel	2	69	78.2	104.5	53	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-805	NB	1125+90	6940 Sepulveda Blvd, Los Angeles, CA 91405		MFR	2	68	77.6	102.8	64	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-806	SB	1126+60	6957 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	66	79.1	103.3	50	69				69	72	No	34	35	No	--	--	--	--	--
V-5-807	NB	1127+60	7010 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	66	78.4	102.7	60	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-808	SB	1128+60	7007 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	55	77.7	95.3	46	69				69	72	No	34	35	No	--	--	--	--	--
V-5-809	NB	1130+10	7026 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	64	78.6	101.2	54	70		Y		75	72	**Yes**	40	35	**Yes**	Resiliently Supported Ties	65	None	15	None
V-5-810	SB	1130+14	7025 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	65	78.6	102.2	42	68		Y		73	72	**Yes**	38	35	**Yes**	Spring Frogs	68	None	18	None
V-5-811	SB	1131+31	7041 Sepulveda Blvd, Van Nuys, CA 91405		Hotel	2	63	79.8	101.6	38	67	Y			77	72	**Yes**	42	35	**Yes**	Resiliently Supported Ties	67	None	17	None
V-5-812	SB	1131+88	7055 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	64	79.3	101.7	36	66	Y			76	72	**Yes**	41	35	**Yes**	Spring Frogs	71	None	21	None
	1136+00	1139+83	**SEPULVEDA/SHERMAN WAY STATION**																						
V-5-813	NB	1143+07	15246 Cantlay St, Van Nuys, CA 91405		SFR	2	185	80.4	201.7	32	63				63	72	No	28	35	No	--	--	--	--	--
V-5-814	NB	1144+57	15247 Cantlay St, Van Nuys, CA 91405		SFR	2	189	80.3	204.9	36	64				64	72	No	29	35	No	--	--	--	--	--
V-5-815	NB	1144+66	15255 Cantlay St, Van Nuys, CA 91405		MFR	2	94	80.3	123.5	36	66				66	72	No	31	35	No	--	--	--	--	--
V-5-816	NB	1146+07	15246 Wyandotte St, Van Nuys, CA 91405		SFR	2	187	81.3	204.3	40	65				65	72	No	30	35	No	--	--	--	--	--
V-5-817	SB	1147+57	7301 Sepulveda Blvd, Van Nuys, CA 91405		Medical	3	46	80.2	92.6	57	71				71	75	No	36	40	No	--	--	--	--	--
V-5-818	NB	1148+07	15235 Wyandotte St, Van Nuys, CA 91405		SFR	2	246	79.9	258.7	44	65				65	72	No	30	35	No	--	--	--	--	--
V-5-819	SB	1149+07	7317 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	48	81.1	94.2	60	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-820	SB	1150+25	7325 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	95	80.3	124.4	63	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-821	SB	1151+07	7343 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	70	79.7	106.2	65	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-822	SB	1152+57	7371 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	70	78.7	105.4	68	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-823	NB	1154+57	7400 N Sepulveda Blvd, Los Angeles, CA 91405		MFR	2	101	79.2	128.2	54	69				69	72	No	34	35	No	--	--	--	--	--
V-5-824	SB	1156+57	7425 Sepulveda Blvd, Los Angeles, CA 90045	**Sepulveda/Sherman Way Station to Saticoy St**	MFR	2	50	77.8	92.4	68	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-825	NB	1158+57	7440 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	103	77.4	128.5	58	70				70	72	No	35	35	**Yes**	High-resilient Fasteners	65	None	15	None
V-5-826	SB	1159+07	7447 Sepulveda Blvd, Van Nuys, CA 91405		Nursing Home	2	54	78.0	94.6	67	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-827	NB	1160+78	15243 Cohasett St, Van Nuys, CA 91405		SFR	2	176	77.8	192.0	60	68				68	72	No	33	35	No	--	--	--	--	--
V-5-828	NB	1161+06	7504 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	58	76.6	96.1	60	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-829	SB	1161+10	7507 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	56	78.6	96.2	65	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-830	NB	1162+50	15242 Covello St, Van Nuys, CA 91405		SFR	2	178	78.6	194.7	61	69				69	72	No	34	35	No	--	--	--	--	--

Sepulveda Transit Corridor
STCP Alternative 5
Groundborne Vibration and Noise Impact Locations and Mitigation

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Blocks	Land Use Type	FTA Category	Lateral Distance (ft)	Vertical Distance (ft)	Distance to Track (ft)	Vehicle Speed (mph)	Vibration Level Adjusted for Speed (VdB)	Distance to Crossover Point		Behind Station Structure?	Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?	Track Treatment Mitigation	Groundborne Vibration After Mitigation		Groundborne Noise After Mitigation	
												<100'	100-200'									Level (VdB)	Impact?	Level (dBA)	Impact?
V-5-831	NB	1162+59	7524 Sepulveda Blvd, Van Nuys, CA 91405		MFR/School	2	68	78.0	103.6	61	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-832	SB	1163+10	7525 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	46	77.2	90.0	63	72				72	72	**Yes**	37	35	**Yes**	High-resilient Fasteners	67	None	17	None
V-5-833	NB	1164+35	15243 Covello St, Van Nuys, CA 91405		SFR	2	178	78.3	194.7	63	69				69	72	No	34	35	No	--	--	--	--	--
V-5-834	SB	1166+17	7550 Zombar Ave, Van Nuys, CA 91405		MFR	2	165	78.0	182.6	60	69				69	72	No	34	35	No	--	--	--	--	--
V-5-835	SB	1168+84	7615 Sepulveda Blvd, Van Nuys, CA 91405	**Saticoy St to Metrolink/Van Nuys Station**	Hotel	2	46	77.1	89.8	57	71				71	72	No	36	35	**Yes**	High-resilient Fasteners	66	None	16	None
V-5-836	SB	1173+28	7657 Sepulveda Blvd, Van Nuys, CA 91405		MFR	2	40	76.0	85.9	40	68				68	72	No	33	35	No	--	--	--	--	--
V-5-837	SB	1175+54	Valley Animal Hospital 7721 Sepulveda Blvd, Van Nuys, CA 91405		Medical/ Animal Hospital	1	83	76.3	113.1	40	67				67	65	**Yes**	32	25	**Yes**	Resiliently Supported Ties	57	None	7	None
V-5-838	SB	1176+45	7735 Sepulveda Blvd, Van Nuys, CA 91406		Dance School	3	56.3	75.9	94.5	40	68				68	75	No	33	40	No	--	--	--	--	--
V-5-839	NB	1182+00	Third Encore Annex Studios - Stagg 15239 Stagg St, Van Nuys, CA 91405		Recording Studio	1	0	71.9	71.9	40	69				69	65	**Yes**	34	25	**Yes**	Resiliently Supported Ties	59	None	9	None
V-5-840	NB	1187+37	Stagg Street Studio 15147 Stagg St, Van Nuys, CA 91406		Recording Studio	1	388	51.3	391.8	40	62				62	65	No	27	25	**Yes**	High-resilient Fasteners	57	None	7	None
V-5-841	NB	1194+09	California Recording Company 7845 Noble Ave, Van Nuys, CA 91405		Recording Studio	1	249	27.09	250.8	40	64			Y	59	65	No	24	25	No	--	--	--	--	--

Attachment 14. Alternative 6: Off-Road Construction Equipment Noise Levels

Sepulveda Transit Corridor
Alternative 6
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Segment 1-Westside-Ground Improvements	Bore/Drill Rigs	2	90	40%	89	89
	Pumps	2	77	50%	77	
Segment 1-Westside-Tunnel Boring Setup/Assembly	Cranes	2	83	20%	79	83
	Aerial Lifts	2	77	40%	76	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 1-Westside-Tunnel Boring/Tunneling	Tunnel Boring Machine (TBM)	2	--	--	--	81
	Cranes	1	83	20%	76	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 1-Westside-TBM Retrieval/Tunnel Prep	Cranes	2	83	20%	79	81
	Aerial Lifts	2	77	40%	76	
Segment 1-Westside-Annular Grouting	Bore/Drill Rigs	2	90	20%	86	87
	Pumps	2	77	50%	77	
Segment 1-Westside-Invert Construction	Pumps	2	77	40%	76	76
Segment 1-Westside-Cross Passage	Excavators	2	85	40%	84	87
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Air Compressors	2	80	50%	80	
Segment 1-Westside-Rail and Plinth	Pumps	1	77	50%	74	74
Segment 1-Westside-Systems, Testing, Commissioning	Aerial Lifts	8	77	40%	82	86
	Rough Terrain Forklifts	2	80	40%	79	
	Generator Sets	1	82	40%	78	
	Aerial Lifts	4	77	40%	79	
Segment 2-Mountain-Ground Improvements	Bore/Drill Rigs	2	90	40%	89	89
	Pumps	2	77	40%	76	
Segment 2-Mountain-Tunnel Boring Setup/Assembly	Cranes	2	83	20%	79	81
	Aerial Lifts	2	77	40%	76	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 2-Mountain-Tunnel Boring/Tunneling	Tunnel Boring Machine (TBM)	2	--	--	--	81
	Cranes	1	83	20%	76	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 2-Mountain-TBM Retrieval/Tunnel Prep	Cranes	2	83	20%	79	81
	Aerial Lifts	2	77	40%	76	
Segment 2-Mountain-Annular Grouting	Bore/Drill Rigs	2	90	40%	89	89
	Pumps	2	77	50%	77	
Segment 2-Mountain-Invert Construction	Pumps	2	77	50%	77	77
Segment 2-Mountain-Cross Passage	Excavators	2	85	40%	84	86
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	20%	76	
	Air Compressors	2	80	50%	80	
Segment 2-Mountain-Rail and Plinth	Pumps	1	77	50%	74	74
Segment 2-Mountain-Systems, Testing, Commissioning	Aerial Lifts	8	77	40%	82	86
	Rough Terrain Forklifts	2	80	40%	79	
	Generator Sets	1	82	40%	78	
	Aerial Lifts	4	77	40%	79	
Segment 3-Valley-Ground Improvements	Bore/Drill Rigs	2	90	40%	89	89
	Pumps	2	77	40%	76	
Segment 3-Valley-Tunnel Boring Setup/Assembly	Cranes	2	83	20%	79	81
	Aerial Lifts	2	77	40%	76	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 3-Valley-Tunnel Boring/Tunneling	Tunnel Boring Machine (TBM)	2	--	--	--	81
	Cranes	1	83	20%	76	
	Rough Terrain Forklifts	2	80	40%	79	
Segment 3-Valley-TBM Retrieval/Tunnel Prep	Cranes	2	83	20%	79	81
	Aerial Lifts	2	77	40%	76	
Segment 3-Valley-Annular Grouting	Bore/Drill Rigs	2	90	40%	89	89
	Pumps	2	77	50%	77	
Segment 3-Valley-Invert Construction	Pumps	2	77	50%	77	77
Segment 3-Valley-Cross Passage	Excavators	2	85	40%	84	86
	Pumps	2	77	50%	77	
	Tractors/Loaders/Backhoes	2	80	20%	76	
	Air Compressors	2	80	50%	80	
Segment 3-Valley-Rail and Plinth	Pumps	1	77	50%	74	74
Segment 3-Valley-Systems, Testing, Commissioning	Aerial Lifts	8	77	40%	82	86
	Rough Terrain Forklifts	2	80	40%	79	
	Generator Sets	1	82	40%	78	
	Aerial Lifts	4	77	40%	79	
Mid Mountain Shaft-Site Preparation/Demolition	Tractors/Loaders/Backhoes	2	80	40%	79	83
	Excavators	1	85	40%	81	
Mid Mountain Shaft-Access Road	Tractors/Loaders/Backhoes	2	80	40%	79	88
	Pavers	1	85	40%	81	
	Rollers	1	85	40%	81	
	Excavators	1	85	40%	81	
	Scrapers	1	85	40%	81	
	Crawler Tractors	2	80	40%	79	
Mid Mountain Shaft-Drainage/Utilities	Excavators	1	85	40%	81	84
	Pumps	1	77	50%	74	
	Rollers	1	85	40%	81	
Mid Mountain Shaft-Shaft Drilling	Bore/Drill Rigs	1	90	40%	86	87
	Cranes	1	83	20%	76	
	Tractors/Loaders/Backhoes	1	80	40%	76	
Mid Mountain Shaft-Cavern and Adit	Excavators	2	85	40%	84	85
	Pumps	2	77	50%	77	
Van Nuys Metrolink Station-Utility Relocation	Concrete/Industrial Saws	2	90	20%	86	92
	Cranes	1	83	20%	76	
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Trenchers	1	82	40%	78	
	Rollers	2	85	40%	84	
	Cement and Mortar Mixers	1	85	40%	81	
	Pavers	1	85	40%	81	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
Van Nuys Metrolink Station-Site Preparation/Demolition	Tractors/Loaders/Backhoes	4	80	40%	82	90
	Excavators	2	85	40%	84	
	Concrete/Industrial Saws	2	90	20%	86	
	Skid Steer Loaders	2	80	40%	79	
Van Nuys Metrolink Station-Grading	Crawler Tractors	2	80	40%	79	85
	Excavators	2	85	40%	84	
Van Nuys Metrolink Station-Drainage	Excavators	2	85	40%	84	86
	Pumps	2	77	50%	77	
	Rollers	1	85	40%	81	
Van Nuys Metrolink Station-SOE	Bore/Drill Rigs	2	90	40%	89	92
	Excavators	4	85	40%	87	
	Rough Terrain Forklifts	2	80	40%	79	
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
Van Nuys Metrolink Station-Station Excavation	Cranes	2	83	20%	79	90
	Excavators	6	85	40%	89	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	2	77	40%	76	
Van Nuys Metrolink Station-Station Construction	Cranes	2	83	20%	79	87
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	3	77	40%	78	
	Air Compressors	2	80	50%	80	
	Welders	2	73	40%	72	
	Generator Sets	2	82	40%	81	
Van Nuys Metrolink Station-Final Roadway Construction	Tractors/Loaders/Backhoes	2	80	40%	79	89
	Skid Steer Loaders	1	80	40%	76	
	Pavers	2	85	40%	84	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
	Rollers	2	85	40%	84	

Sepulveda Transit Corridor
Alternative 6
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA	Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Van Nuys Metrolink Station-Station Finishes and Testing	Aerial Lifts	4	77	40%	79	84	Ventura Blvd Station-Site Preparation/Demolition	Tractors/Loaders/Backhoes	4	80	40%	82	90
	Generator Sets	1	82	40%	78			Excavators	2	85	40%	84	
	Forklifts	2	75	40%	74			Concrete/Industrial Saws	2	90	20%	86	
	Air Compressors	2	80	50%	80			Skid Steer Loaders	2	80	40%	79	
Metro G Line Station-Utility Relocation	Concrete/Industrial Saws	2	90	20%	86	92	Ventura Blvd Station-Grading	Crawler Tractors	2	80	40%	79	85
	Cranes	1	83	20%	76			Excavators	2	85	40%	84	
	Excavators	2	85	40%	84		Ventura Blvd Station-Drainage	Excavators	2	85	40%	84	86
	Rough Terrain Forklifts	2	80	40%	79			Pumps	2	77	50%	77	
	Trenchers	1	82	40%	78			Rollers	1	85	40%	81	
	Rollers	2	85	40%	84		Ventura Blvd Station-SOE	Bore/Drill Rigs	2	90	40%	89	92
	Cement and Mortar Mixers	1	85	40%	81			Excavators	4	85	40%	87	
	Pavers	1	85	40%	81			Rough Terrain Forklifts	2	80	40%	79	
	Surfacing Equipment	1	80	40%	76			Cranes	2	83	20%	79	
	Sweepers/Scrubbers	1	85	40%	81			Pumps	2	77	50%	77	
Metro G Line Station-Site Preparation/Demolition	Tractors/Loaders/Backhoes	4	80	40%	82	90	Ventura Blvd Station-Station Excavation	Cranes	2	83	20%	79	90
	Excavators	2	85	40%	84			Excavators	6	85	40%	89	
	Concrete/Industrial Saws	2	90	20%	86			Tractors/Loaders/Backhoes	2	80	40%	79	
	Skid Steer Loaders	2	80	40%	79			Rough Terrain Forklifts	2	80	40%	79	
Metro G Line Station-Grading	Crawler Tractors	2	80	40%	79	85		Aerial Lifts	2	77	40%	76	
	Excavators	2	85	40%	84		Ventura Blvd Station-Station Construction	Cranes	2	83	20%	79	87
Metro G Line Station-Drainage	Excavators	2	85	40%	84	86		Pumps	3	77	50%	79	
	Pumps	2	77	50%	77			Rough Terrain Forklifts	2	80	40%	79	
	Rollers	1	85	40%	81			Aerial Lifts	3	77	40%	78	
Metro G Line Station-SOE	Bore/Drill Rigs	2	90	40%	89	92		Air Compressors	2	80	50%	80	
	Excavators	4	85	40%	87			Welders	2	73	40%	72	
	Rough Terrain Forklifts	2	80	40%	79			Generator Sets	2	82	40%	81	
	Cranes	2	83	20%	79		Ventura Blvd Station-Final Roadway Construction	Tractors/Loaders/Backhoes	2	80	40%	79	89
	Pumps	2	77	50%	77			Skid Steer Loaders	1	80	40%	76	
Metro G Line Station-Station Excavation	Cranes	2	83	20%	79	90		Pavers	2	85	40%	84	
	Excavators	6	85	40%	89			Surfacing Equipment	1	80	40%	76	
	Tractors/Loaders/Backhoes	2	80	40%	79			Sweepers/Scrubbers	1	85	40%	81	
	Rough Terrain Forklifts	2	80	40%	79			Rollers	2	85	40%	84	
	Aerial Lifts	2	77	40%	76		Ventura Blvd Station-Station Finishes and Testing	Aerial Lifts	4	77	40%	79	84
Metro G Line Station-Station Construction	Cranes	2	83	20%	79	87		Generator Sets	1	82	40%	78	
	Pumps	3	77	50%	79			Forklifts	2	75	40%	74	
	Rough Terrain Forklifts	2	80	40%	79			Air Compressors	2	80	50%	80	
	Aerial Lifts	3	77	40%	78		UCLA Station-Utility Relocation	Concrete/Industrial Saws	2	90	20%	86	92
	Air Compressors	2	80	50%	80			Cranes	1	83	20%	76	
	Welders	2	73	40%	72			Excavators	2	85	40%	84	
	Generator Sets	2	82	40%	81			Rough Terrain Forklifts	2	80	40%	79	
Metro G Line Station-Final Roadway Construction	Tractors/Loaders/Backhoes	2	80	40%	79	89	UCLA Station-Utility Relocation	Trenchers	1	82	40%	78	92
	Skid Steer Loaders	1	80	40%	76			Rollers	2	85	40%	84	
	Pavers	2	85	40%	84			Cement and Mortar Mixers	1	85	40%	81	
	Surfacing Equipment	1	80	40%	76			Pavers	1	85	40%	81	
	Sweepers/Scrubbers	1	85	40%	81			Surfacing Equipment	1	80	40%	76	
	Rollers	2	85	40%	84			Sweepers/Scrubbers	1	85	40%	81	
Metro G Line Station-Station Finishes and Testing	Aerial Lifts	4	77	40%	79	84	UCLA Station-Site Preparation/Demolition	Tractors/Loaders/Backhoes	4	80	40%	82	90
	Generator Sets	1	82	40%	78			Excavators	2	85	40%	84	
	Forklifts	2	75	40%	74			Concrete/Industrial Saws	2	90	20%	86	
	Air Compressors	2	80	50%	80			Skid Steer Loaders	2	80	40%	79	
Ventura Blvd Station-Utility Relocation	Concrete/Industrial Saws	2	90	20%	86	92	UCLA Station-Grading	Crawler Tractors	2	80	40%	79	85
	Cranes	1	83	20%	76			Excavators	2	85	40%	84	
	Excavators	2	85	40%	84		UCLA Station-Drainage	Excavators	2	85	40%	84	86
	Rough Terrain Forklifts	2	80	40%	79			Pumps	2	77	50%	77	
	Trenchers	1	82	40%	78			Rollers	1	85	40%	81	
	Rollers	2	85	40%	84		UCLA Station-SOE	Bore/Drill Rigs	2	90	40%	89	92
	Cement and Mortar Mixers	1	85	40%	81			Excavators	4	85	40%	87	
	Pavers	1	85	40%	81			Rough Terrain Forklifts	2	80	40%	79	
	Surfacing Equipment	1	80	40%	76			Cranes	2	83	20%	79	
	Sweepers/Scrubbers	1	85	40%	81			Pumps	2	77	50%	77	

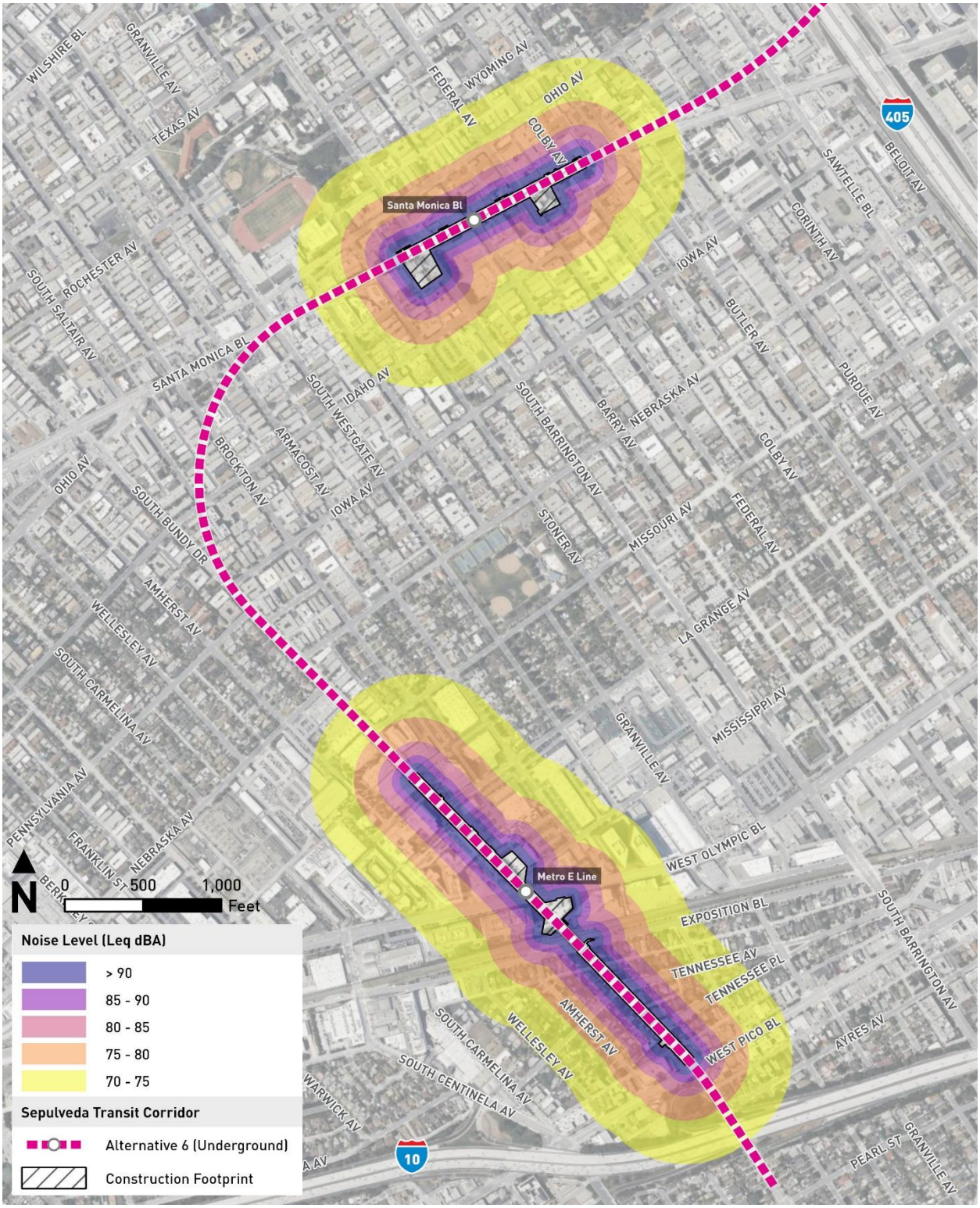
Sepulveda Transit Corridor
Alternative 6
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
UCLA Station-Station Excavation	Cranes	2	83	20%	79	90
	Excavators	6	85	40%	89	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	2	77	40%	76	
UCLA Station-Station Construction	Cranes	2	83	20%	79	87
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	3	77	40%	78	
	Air Compressors	2	80	50%	80	
	Welders	2	73	40%	72	
	Generator Sets	2	82	40%	81	
UCLA Station-Final Roadway Construction	Tractors/Loaders/Backhoes	2	80	40%	79	89
	Skid Steer Loaders	1	80	40%	76	
	Pavers	2	85	40%	84	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
	Rollers	2	85	40%	84	
UCLA Station-Station Finishes and Testing	Aerial Lifts	4	77	40%	79	84
	Generator Sets	1	82	40%	78	
	Forklifts	2	75	40%	74	
	Air Compressors	2	80	50%	80	
Wilshire Blvd (Metro D Line) Station-Utility Relocation	Concrete/Industrial Saws	2	90	20%	86	92
	Cranes	1	83	20%	76	
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Trenchers	1	82	40%	78	
	Rollers	2	85	40%	84	
	Cement and Mortar Mixers	1	85	40%	81	
	Pavers	1	85	40%	81	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
Wilshire Blvd (Metro D Line) Station-Site Preparation/Demolition	Tractors/Loaders/Backhoes	4	80	40%	82	90
	Excavators	2	85	40%	84	
	Concrete/Industrial Saws	2	90	20%	86	
	Skid Steer Loaders	2	80	40%	79	
Wilshire Blvd (Metro D Line) Station-Grading	Crawler Tractors	2	80	40%	79	85
	Excavators	2	85	40%	84	
Wilshire Blvd (Metro D Line) Station-Drainage	Excavators	2	85	40%	84	86
	Pumps	2	77	50%	77	
	Rollers	1	85	40%	81	
Wilshire Blvd (Metro D Line) Station-SOE	Bore/Drill Rigs	2	90	40%	89	92
	Excavators	4	85	40%	87	
	Rough Terrain Forklifts	2	80	40%	79	
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
Wilshire Blvd (Metro D Line) Station-Station Excavation	Cranes	2	83	20%	79	90
	Excavators	6	85	40%	89	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	2	77	40%	76	
Wilshire Blvd (Metro D Line) Station-Station Construction	Cranes	2	83	20%	79	87
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	3	77	40%	78	
	Air Compressors	2	80	50%	80	
	Welders	2	73	40%	72	
	Generator Sets	2	82	40%	81	
Wilshire Blvd (Metro D Line) Station-Final Roadway Construction	Tractors/Loaders/Backhoes	2	80	40%	79	89
	Skid Steer Loaders	1	80	40%	76	
	Pavers	2	85	40%	84	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
	Rollers	2	85	40%	84	
Wilshire Blvd (Metro D Line) Station-Station Finishes and Testing	Aerial Lifts	4	77	40%	79	84
	Generator Sets	1	82	40%	78	
	Forklifts	2	75	40%	74	
	Air Compressors	2	80	50%	80	
Santa Monica Blvd Station-Utility Relocation	Concrete/Industrial Saws	2	90	20%	86	92
	Cranes	1	83	20%	76	
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Trenchers	1	82	40%	78	
	Rollers	2	85	40%	84	
	Cement and Mortar Mixers	1	85	40%	81	
	Pavers	1	85	40%	81	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
Santa Monica Blvd Station-Site Preparation/Demolition	Tractors/Loaders/Backhoes	4	80	40%	82	90
	Excavators	2	85	40%	84	
	Concrete/Industrial Saws	2	90	20%	86	
	Skid Steer Loaders	2	80	40%	79	
Santa Monica Blvd Station-Grading	Crawler Tractors	2	80	40%	79	85
	Excavators	2	85	40%	84	
Santa Monica Blvd Station-Drainage	Excavators	2	85	40%	84	86
	Pumps	2	77	50%	77	
	Rollers	1	85	40%	81	
Santa Monica Blvd Station-SOE	Bore/Drill Rigs	2	90	40%	89	92
	Excavators	4	85	40%	87	
	Rough Terrain Forklifts	2	80	40%	79	
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
Santa Monica Blvd Station-Station Excavation	Cranes	2	83	20%	79	90
	Excavators	6	85	40%	89	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	2	77	40%	76	
Santa Monica Blvd Station-Station Construction	Cranes	2	83	20%	79	87
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	3	77	40%	78	
	Air Compressors	2	80	50%	80	
	Welders	2	73	40%	72	
	Generator Sets	2	82	40%	81	
Santa Monica Blvd Station-Final Roadway Construction	Tractors/Loaders/Backhoes	2	80	40%	79	89
	Skid Steer Loaders	1	80	40%	76	
	Pavers	2	85	40%	84	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
	Rollers	2	85	40%	84	
Santa Monica Blvd Station-Station Finishes and Testing	Aerial Lifts	4	77	40%	79	84
	Generator Sets	1	82	40%	78	
	Forklifts	2	75	40%	74	
	Air Compressors	2	80	50%	80	

Sepulveda Transit Corridor
Alternative 6
Off-Road Construction Equipment Noise Levels (L_{eq}, dBA)

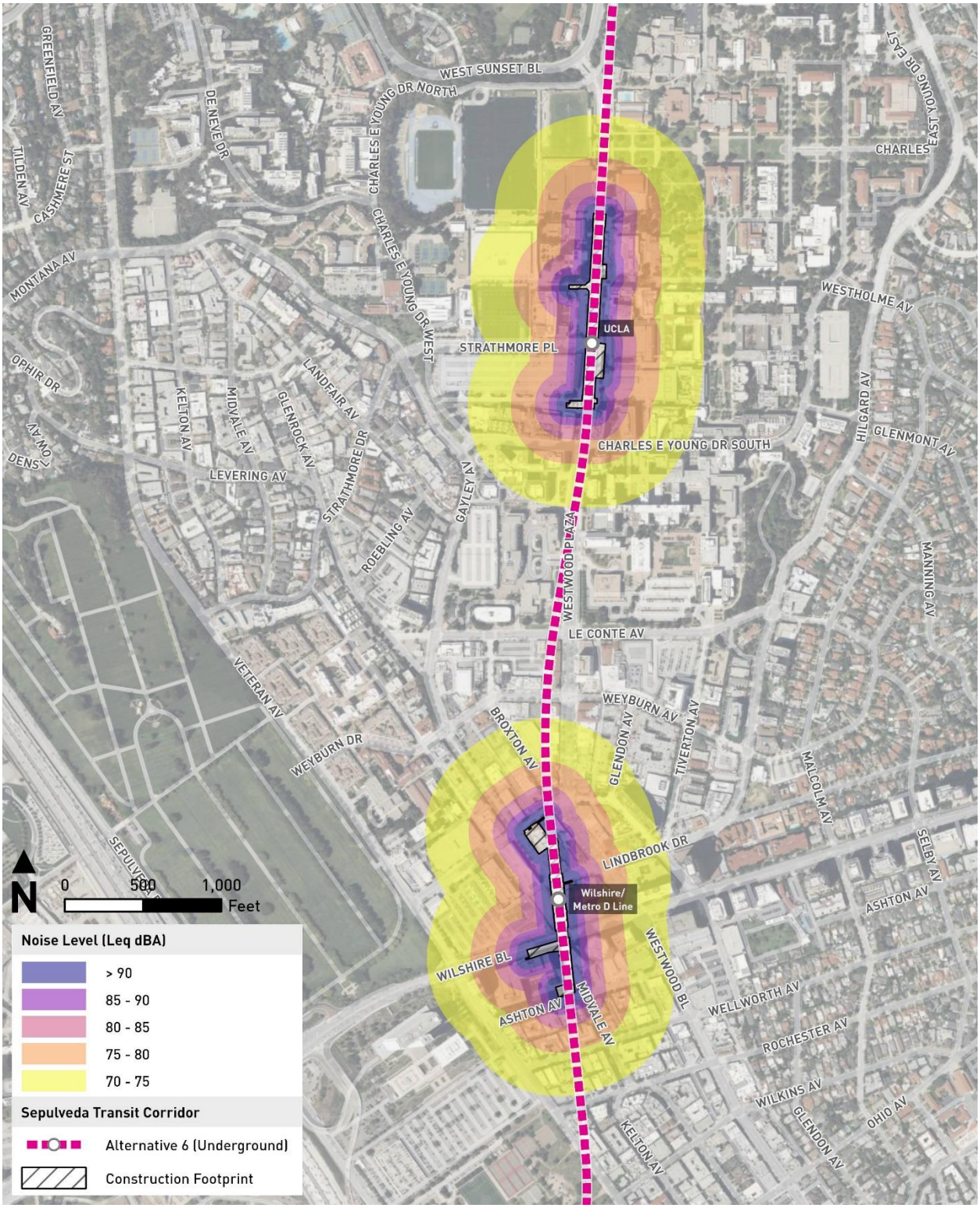
Phase Name	Equipment Type	Number of Equipment	Noise Level at 50 ft	Utilization Rate	Expected Leq at 50 ft	Calculated Composite Leq, dBA
Metro E Line (Expo)/Bundy Station-Utility Relocation	Concrete/Industrial Saws	2	90	20%	86	92
	Cranes	1	83	20%	76	
	Excavators	2	85	40%	84	
	Rough Terrain Forklifts	2	80	40%	79	
	Trenchers	1	82	40%	78	
	Rollers	2	85	40%	84	
	Cement and Mortar Mixers	1	85	40%	81	
	Pavers	1	85	40%	81	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
Metro E Line (Expo)/Bundy Station-Site Preparation/Demolition	Tractors/Loaders/Backhoes	4	80	40%	82	90
	Excavators	2	85	40%	84	
	Concrete/Industrial Saws	2	90	20%	86	
	Skid Steer Loaders	2	80	40%	79	
Metro E Line (Expo)/Bundy Station-Grading	Crawler Tractors	2	80	40%	79	85
	Excavators	2	85	40%	84	
Metro E Line (Expo)/Bundy Station-Drainage	Excavators	2	85	40%	84	86
	Pumps	2	77	50%	77	
	Rollers	1	85	40%	81	
Metro E Line (Expo)/Bundy Station-SOE	Bore/Drill Rigs	2	90	40%	89	92
	Excavators	4	85	40%	87	
	Rough Terrain Forklifts	2	80	40%	79	
	Cranes	2	83	20%	79	
	Pumps	2	77	50%	77	
Metro E Line (Expo)/Bundy Station-Station Excavation	Cranes	2	83	20%	79	90
	Excavators	6	85	40%	89	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	2	77	40%	76	
Metro E Line (Expo)/Bundy Station-Station Construction	Cranes	2	83	20%	79	87
	Pumps	3	77	50%	79	
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	3	77	40%	78	
	Air Compressors	2	80	50%	80	
	Welders	2	73	40%	72	
	Generator Sets	2	82	40%	81	
Metro E Line (Expo)/Bundy Station-Final Roadway Construction	Tractors/Loaders/Backhoes	2	80	40%	79	89
	Skid Steer Loaders	1	80	40%	76	
	Pavers	2	85	40%	84	
	Surfacing Equipment	1	80	40%	76	
	Sweepers/Scrubbers	1	85	40%	81	
	Rollers	2	85	40%	84	
Metro E Line (Expo)/Bundy Station-Station Finishes and Testing	Aerial Lifts	4	77	40%	79	84
	Generator Sets	1	82	40%	78	
	Forklifts	2	75	40%	74	
	Air Compressors	2	80	50%	80	
Vanowen St/Van Nuys Blvd TPSS-Site Preparation/Demolition	Tractors/Loaders/Backhoes	1	80	40%	76	84
	Trenchers	1	82	40%	78	
	Rollers	1	85	40%	81	
Vanowen St/Van Nuys Blvd TPSS-Foundation Construction	Pumps	1	77	50%	74	78
	Skid Steer Loaders	1	80	40%	76	
Vanowen St/Van Nuys Blvd TPSS-TPSS Installation	Cranes	1	83	50%	80	80
Magnolia TPSS-Site Preparation/Demolition	Tractors/Loaders/Backhoes	1	80	40%	76	84
	Trenchers	1	82	40%	78	
	Rollers	1	85	40%	81	
Magnolia TPSS-Foundation Construction	Pumps	1	77	50%	74	78
	Skid Steer Loaders	1	80	40%	76	
Magnolia TPSS-TPSS Installation	Cranes	1	83	50%	80	80
Mid Mountain Shaft TPSS-Site Preparation/Demolition	Tractors/Loaders/Backhoes	1	80	40%	76	84
	Trenchers	1	82	40%	78	
	Rollers	1	85	40%	81	
Mid Mountain Shaft TPSS-Foundation Construction	Pumps	1	77	50%	74	78
	Skid Steer Loaders	1	80	40%	76	
Mid Mountain Shaft TPSS-TPSS Installation	Cranes	1	83	50%	80	80
OMSF-Site Preparation/Demolition	Excavators	2	85	40%	84	87
	Cranes	1	83	20%	76	
	Rough Terrain Forklifts	1	80	40%	76	
	Rollers	1	85	40%	81	
	Pumps	2	77	50%	77	
OMSF-Grading	Excavators	2	85	40%	84	87
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Rollers	1	85	40%	81	
OMSF-Building Construction	Cranes	2	83	20%	79	90
	Rough Terrain Forklifts	2	80	40%	79	
	Aerial Lifts	6	77	40%	81	
	Generator Sets	2	82	40%	81	
	Air Compressors	4	80	50%	83	
	Welders	4	73	40%	75	
	Pumps	4	77	50%	80	
	Skid Steer Loaders	2	80	40%	79	
	Excavators	1	85	40%	81	
	Tractors/Loaders/Backhoes	1	80	40%	76	
OMSF-Pavements	Pavers	2	85	40%	84	88
	Rollers	2	85	40%	84	
	Sweepers/Scrubbers	1	85	40%	81	
	Pumps	2	77	50%	77	
OMSF-Drainage/Utilties	Excavators	2	85	40%	84	86
	Rollers	1	85	40%	81	
	Rough Terrain Forklifts	1	80	40%	76	
Precast Yard-Concrete Activity	Cranes	2	83	40%	82	85
	Rough Terrain Forklifts	2	80	40%	79	
	Tractors/Loaders/Backhoes	2	80	40%	79	
	Welders	2	73	40%	72	

Figure N-1. Alternative 6: Construction Equipment Noise Contours – View 1



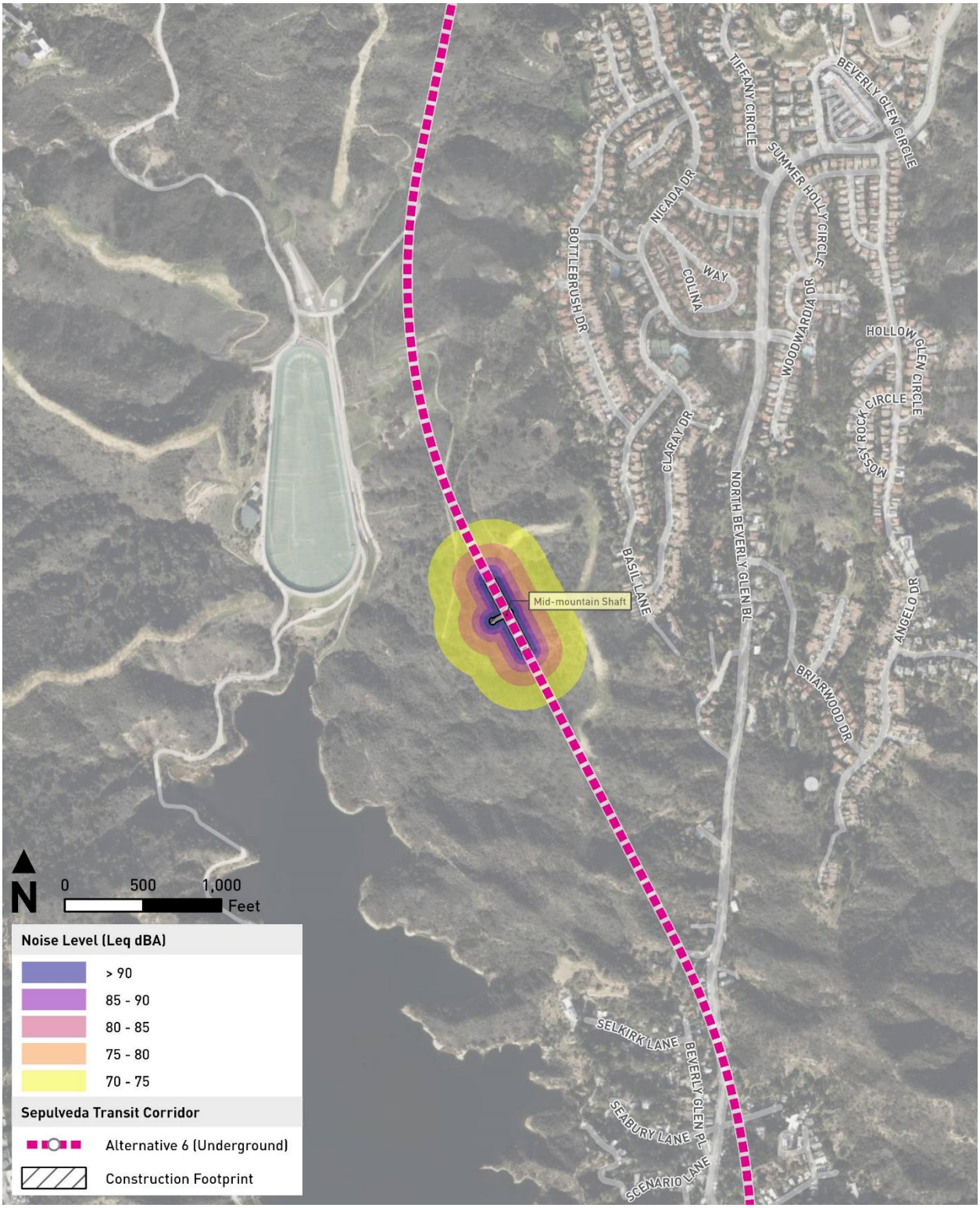
Source: HTA, 2024

Figure N-2. Alternative 6: Construction Equipment Noise Contours – View 2



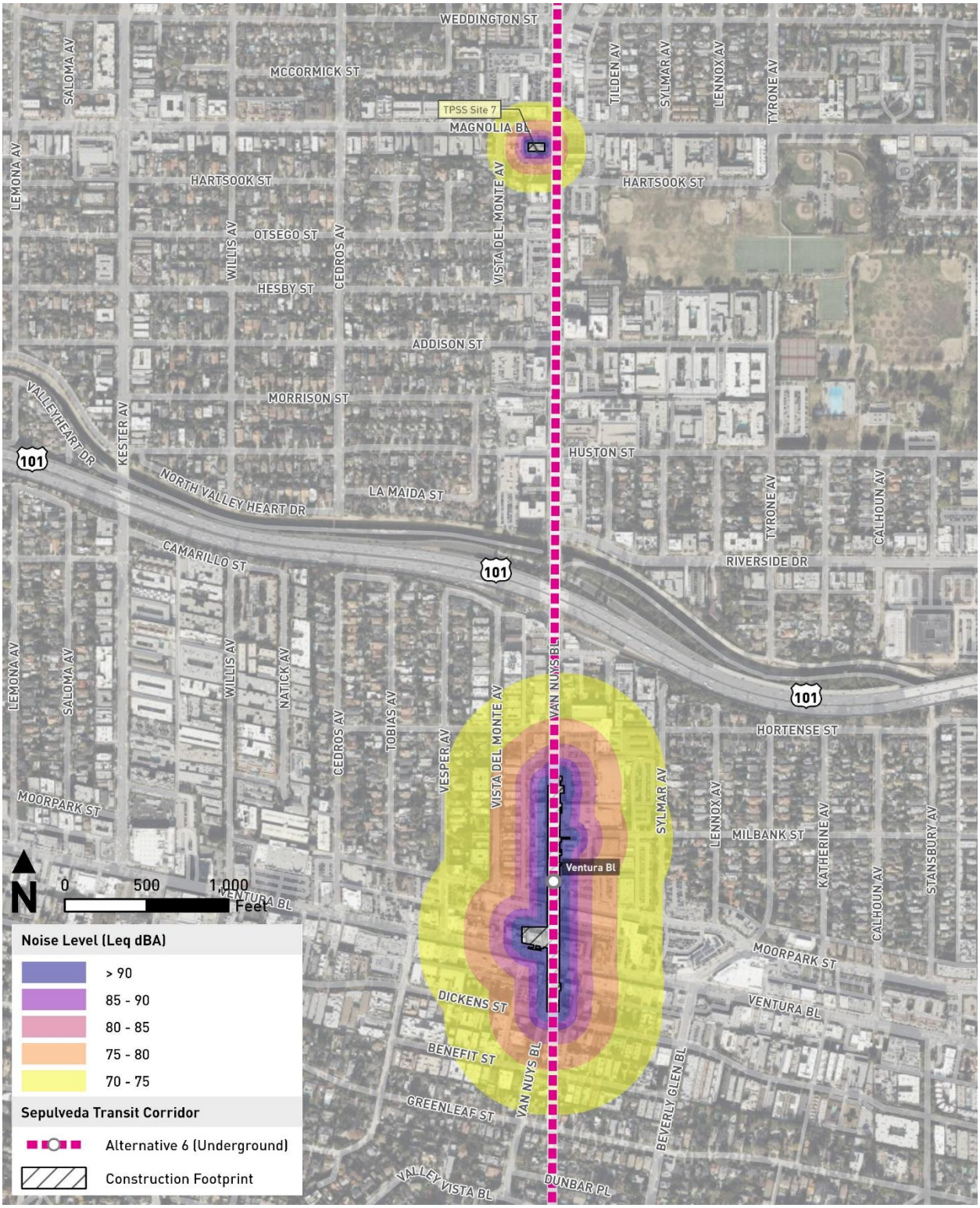
Source: HTA, 2024

Figure N-3. Alternative 6: Construction Equipment Noise Contours – View 3



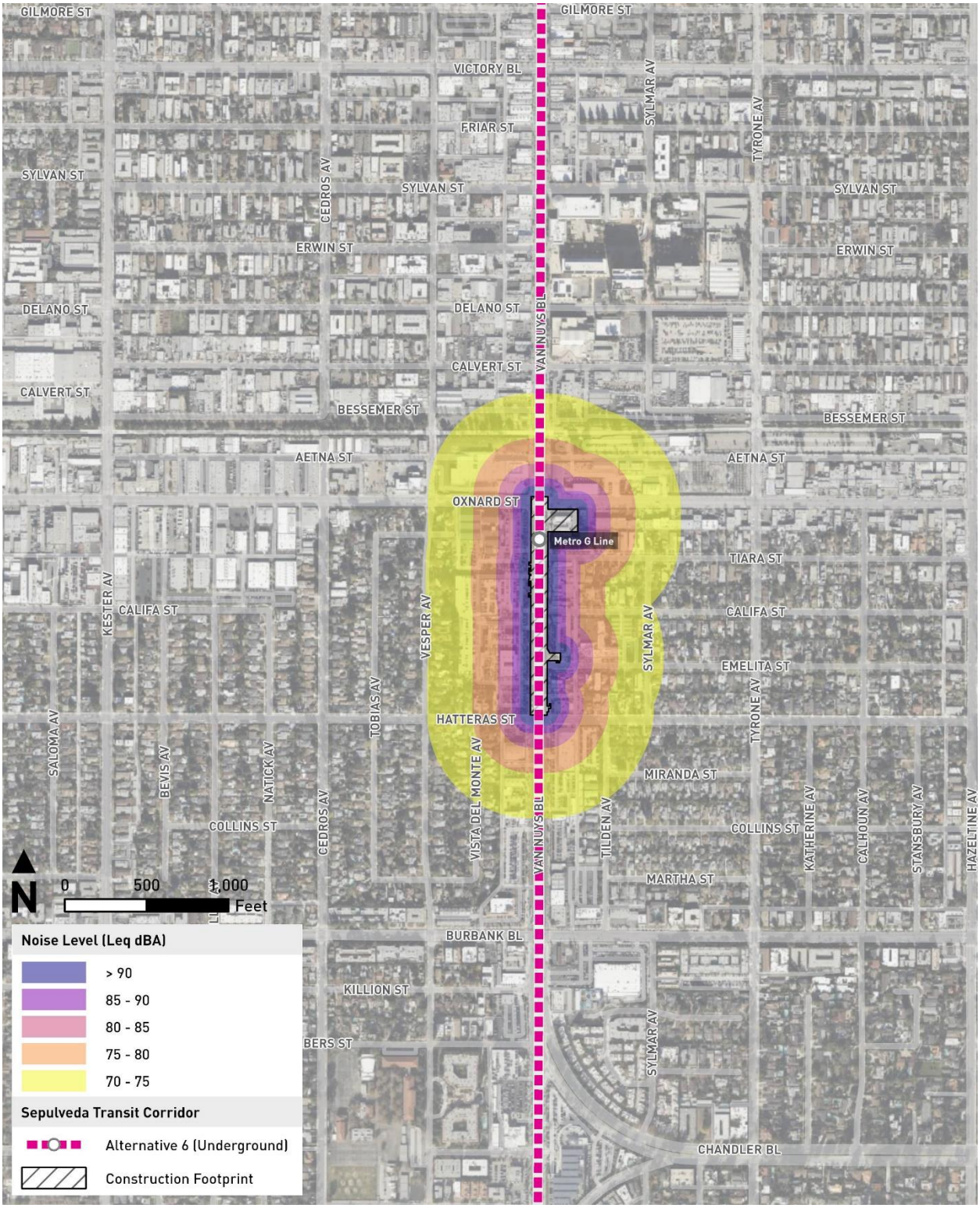
Source: HTA, 2024

Figure N-4. Alternative 6: Construction Equipment Noise Contours – View 4



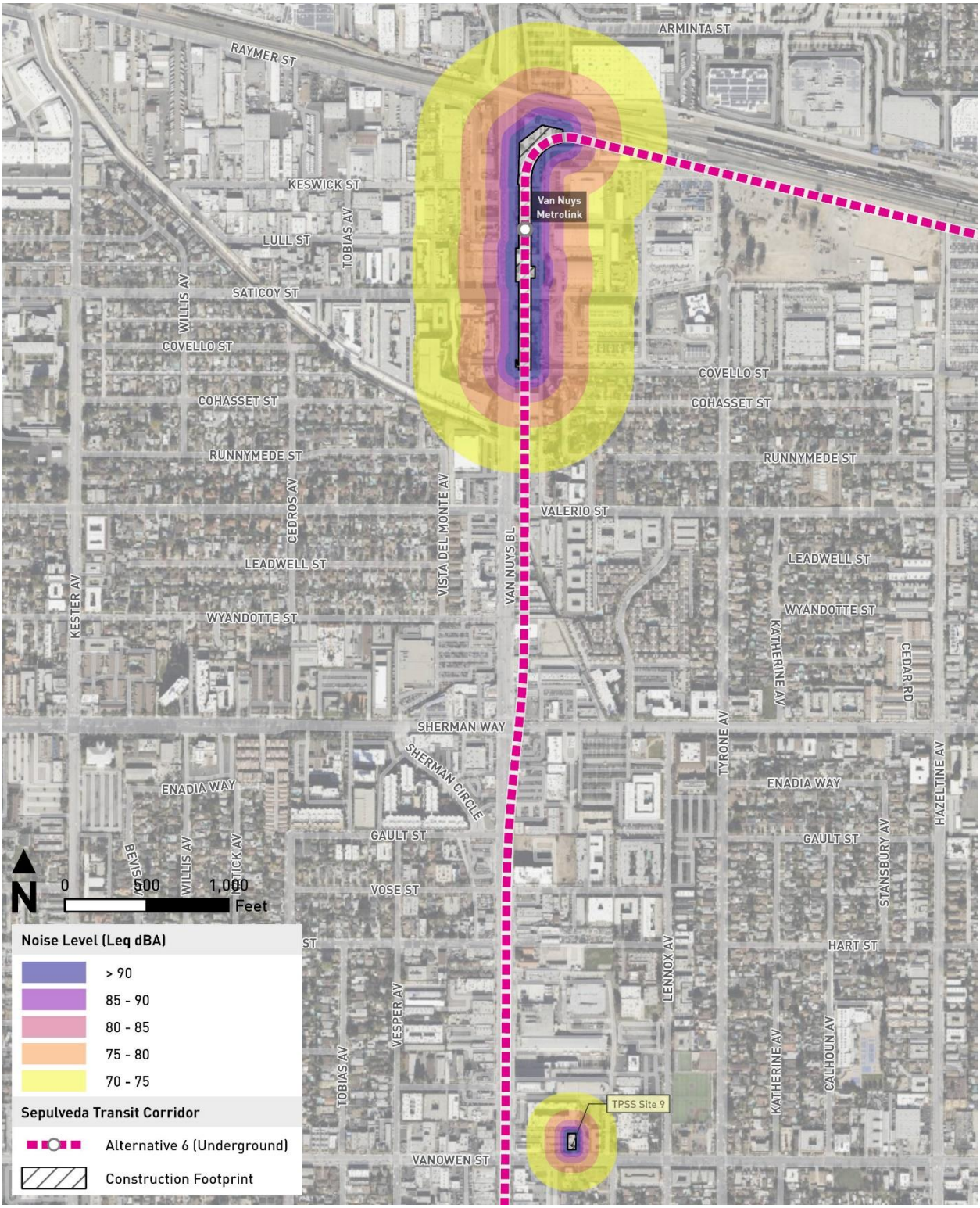
Source: HTA, 2024

Figure N-5. Alternative 6: Construction Equipment Noise Contours – View 5



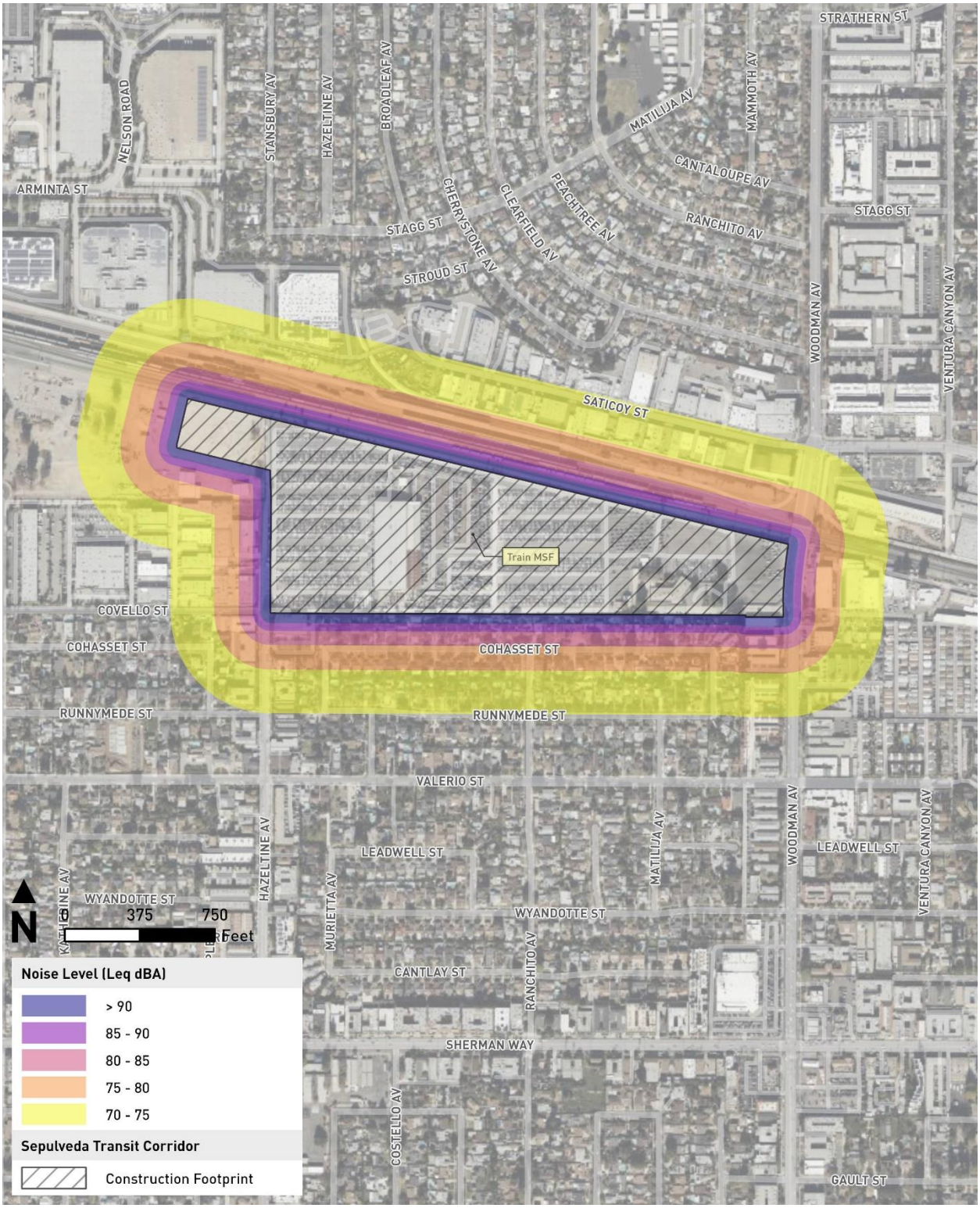
Source: HTA, 2024

Figure N-6. Alternative 6: Construction Equipment Noise Contours – View 6



Source: HTA, 2024

Figure N-7. Alternative 6: Construction Equipment Noise Contours – Proposed MSF



Source: HTA, 2024

Attachment 15. Alternative 6: Groundborne Vibration and Noise Assessment

Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-01	NB	485+00	2346 S Bundy Dr	East of Bundy - Pico Blvd to Exposition Blvd	SFR	2	71.5	10.0			Y					51	72	No	16	35	No
V-6-02	NB	485+20	11924 Tennessee Pl		SFR	2	94.4	10.0			Y					50	72	No	15	35	No
V-6-03	NB	485+00	11920 Tennessee Pl		SFR	2	131.8	10.0			Y					49	72	No	14	35	No
V-6-04	NB	484+90	11916 Tennessee Pl		SFR	2	180.3	10.0			Y					48	72	No	13	35	No
V-6-05	NB	487+00	2330 S Bundy Dr		SFR	2	71.2	10.0		Y	Y					57	72	No	22	35	No
V-6-06	NB	486+91	11931 Tennessee Pl		SFR	2	87.7	10.0		Y	Y					56	72	No	21	35	No
V-6-07	NB	487+10	11927 Tennessee Pl		SFR	2	117.6	10.0		Y	Y					55	72	No	20	35	No
V-6-08	NB	486+74	11919 Tennessee Pl		SFR	2	159.3	10.0			Y					49	72	No	14	35	No
V-6-09	NB	488+82	2304 S Bundy Dr		SFR	2	68.6	10.0	Y		Y					62	72	No	27	35	No
V-6-10	NB	488+43	11936 Tennessee Ave		SFR	2	88.9	10.0	Y		Y					61	72	No	26	35	No
V-6-11	NB	488+00	11930 Tennessee Ave		SFR	2	104.2	10.0		Y	Y					55	72	No	20	35	No
V-6-12	NB	488+13	11922 Tennessee Ave		SFR	2	162.6	10.0		Y	Y					54	72	No	19	35	No
V-6-13	NB	490+72	2228 S Bundy Dr		SFR	2	68.9	10.0		Y	Y					57	72	No	22	35	No
V-6-14	NB	490+56	11939 Tennessee Ave		SFR	2	88.3	10.0		Y	Y					56	72	No	21	35	No
V-6-15	NB	490+31	11935 Tennessee Ave		SFR	2	116.3	10.0		Y	Y					55	72	No	20	35	No
V-6-16	NB	489+89	11931 Tennessee Ave		SFR	2	159.8	10.0		Y	Y					54	72	No	19	35	No
V-6-17	NB	491+44	2220 S Bundy Dr		SFR	2	70.3	10.0			Y					52	72	No	17	35	No
V-6-18	NB	492+32	11942 Exposition Blvd		SFR	2	68.6	10.0		Y	Y					57	72	No	22	35	No
V-6-19	NB	492+08	11938 Exposition Blvd		SFR	2	91.3	10.0		Y	Y					56	72	No	21	35	No
V-6-20	NB	491+86	11934 Exposition Blvd		SFR	2	117.0	10.0		Y	Y					55	72	No	20	35	No
V-6-21	NB	491+75	11930 Exposition Blvd		SFR	2	145.6	10.0			Y					49	72	No	14	35	No
V-6-22	SB	486+00	2345 S Bundy Dr	West of Bundy - Pico Blvd to Exposition Blvd	MFR	2	76.1	10.0			Y					51	72	No	16	35	No
V-6-23	SB	486+00	2336 Amherst Ave		SFR	2	158.5	10.0			Y					49	72	No	14	35	No
V-6-24	SB	486+50	2333 S Bundy Dr		SFR	2	74.7	10.0			Y					51	72	No	16	35	No
V-6-25	SB	486+70	2332 Amherst Ave		SFR	2	156.3	10.0			Y					49	72	No	14	35	No
V-6-26	SB	487+00	2329 S Bundy Dr		SFR	2	75.4	10.0		Y	Y					56	72	No	21	35	No
V-6-27	SB	487+53	2323 S Bundy Dr		SFR	2	76.8	10.0		Y	Y					56	72	No	21	35	No
V-6-28	SB	487+53	2322 Amherst Ave		SFR	2	155.3	10.0		Y	Y					54	72	No	19	35	No
V-6-29	SB	488+00	2319 S Bundy Dr		SFR	2	76.2	10.0	Y		Y					61	72	No	26	35	No
V-6-30	SB	488+00	2318 Amherst Ave		SFR	2	158.0	10.0		Y	Y					54	72	No	19	35	No
V-6-31	SB	488+50	2313 S Bundy Dr		SFR	2	76.4	10.0	Y		Y					61	72	No	26	35	No
V-6-32	SB	489+10	2307 S Bundy Dr		SFR	2	77.4	10.0	Y		Y					61	72	No	26	35	No
V-6-33	SB	489+53	2301 S Bundy Dr		SFR	2	76.6	10.0		Y	Y					56	72	No	21	35	No
V-6-34	SB	489+53	2302 Amherst Ave		SFR	2	164.4	10.0		Y	Y					53	72	No	18	35	No
V-6-35	SB	490+37	2233 S Bundy Dr		SFR	2	76.9	10.0		Y	Y					56	72	No	21	35	No
V-6-36	SB	490+37	2244 Amherst Ave		SFR	2	179.8	10.0			Y					48	72	No	13	35	No
V-6-37	SB	491+00	2227 S Bundy Dr		SFR	2	76.7	10.0			Y					51	72	No	16	35	No
V-6-38	SB	491+55	2221 S Bundy Dr		SFR	2	76.9	10.0		Y	Y					56	72	No	21	35	No
V-6-39	SB	492+00	2217 S Bundy Dr		SFR	2	77.1	10.0		Y	Y					56	72	No	21	35	No
V-6-40	SB	492+84	2201 S Bundy Dr		SFR	2	70.4	10.0	Y		Y					62	72	No	27	35	No
V-6-41	SB	493+54	12102 Exposition Blvd		SFR	2	87.6	10.0	Y		Y					61	72	No	26	35	No
V-6-42	SB	493+73	12106 Exposition Blvd		SFR	2	114.6	10.0		Y	Y					55	72	No	20	35	No
V-6-43	SB	494+04	12114 Exposition Blvd		SFR	2	173.9	10.0		Y	Y					53	72	No	18	35	No
	483+50	508+90	**Metro E-Line Station**																		
V-6-44	NB	500+25	Fox News 2044 Armacost Ave	East of Bundy - Exposition Blvd to Missouri Ave	TV Station	Special Bldg	539.8	25.0			Y					52	65	No	17	25	No
V-6-45	NB	502+10	Become A Host 2050 S Bundy		Institutional	3	125.0	37.5			Y					61	75	No	26	40	No
V-6-46	NB	502+75	The Wrap News Inc 2034 Armacost Ave		News Service	Special Bldg	579.9	37.5			Y					55	65	No	20	25	No
V-6-47	NB	508+60	LA18 Television 1990 S Bundy Dr		TV Station	Special Bldg	82.2	42.5	Y		Y				Y	59	65	No	9	25	No
V-6-48	NB	510+54	11998 Missouri Ave		MFR	2	85.0	42.5		Y				Y		63	72	No	13	35	No
V-6-49	SB	501+70	12121 W Olympic Blvd	West of Bundy - Exposition Blvd to Nebraska Ave	MFR	2	80.4	22.5	Y		Y					68	72	No	33	35	No
V-6-50	SB	502+70	12101 W Olympic Blvd		MFR	2	80.4	22.5		Y	Y					63	72	No	28	35	No
V-6-51	SB	504+20	Vin Di Bona Productions 12233 W Olympic Blvd #170		Film Production	Special Bldg	565.0	22.5			Y					51	65	No	16	25	No
V-6-52	SB	507+30	Fox 11 Television Station 1999 S Bundy Dr		TV Station	Special Bldg	85.9	36.0		Y	Y			Y		57	65	No	7	25	No
V-6-53	SB	509+09	1933 S Bundy Dr		MFR	2	80.7	37.5	Y					Y		68	72	No	18	35	No
V-6-54	SB	510+11	1925 S Bundy Dr		MFR	2	82.9	42.5		Y				Y		64	72	No	14	35	No
V-6-55	SB	512+00	1901 S Bundy Dr		MFR	2	81.1	37.5								68	72	No	33	35	No

Land Use Abbreviations - SFR=Single-Family Residence, MFR=Multi-Family Residential

Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-56	SB	515+36	1845 S Bundy Dr		MFR	2	80.3	37.5								68	72	No	33	35	No
V-6-57	NB	513+45	11955 Missouri Ave		MFR	2	90.9	42.5								68	72	No	33	35	No
V-6-58	NB	513+72	1856 S Bundy Dr		MFR	2	90.7	42.5								68	72	No	33	35	No
V-6-59	NB	514+28	1850 S Bundy Dr		MFR	2	91.7	42.5								68	72	No	33	35	No
V-6-60	NB	515+22	1844 S Bundy Dr		MFR	2	89.2	42.5								68	72	No	33	35	No
V-6-61	NB	515+20	1839 Brockton Ave		SFR	2	192.2	42.5								65	72	No	30	35	No
V-6-62	NB	515+68	1838 S Bundy Dr	**East of Bundy -**	MFR	2	90.0	42.5								68	72	No	33	35	No
V-6-63	NB	516+24	1832 S Bundy Dr	**Missouri Ave to Nebraska Ave**	MFR	2	91.1	42.5								68	72	No	33	35	No
V-6-64	NB	516+34	1826 S Bundy Dr		MFR	2	89.1	42.5								68	72	No	33	35	No
V-6-65	NB	517+23	1820 S Bundy Dr		MFR	2	89.6	42.5								68	72	No	33	35	No
V-6-66	NB	517+73	1814 S Bundy Dr		MFR	2	89.5	42.5								68	72	No	33	35	No
V-6-67	NB	518+20	1808 S Bundy Dr		MFR	2	90.7	42.5								68	72	No	33	35	No
V-6-68	NB	518+91	1800 S Bundy Dr		MFR	2	91.6	42.5								68	72	No	33	35	No
V-6-69	SB	517+77	1759 S Bundy Dr		SFR	2	85.1	37.5								67	72	No	32	35	No
V-6-70	SB	518+10	1755 S Bundy Dr		SFR	2	84.4	37.5								67	72	No	32	35	No
V-6-71	SB	518+28	1749 S Bundy Dr		SFR	2	83.7	37.5								67	72	No	32	35	No
V-6-72	SB	519+19	1745 S Bundy Dr		SFR	2	83.9	37.5								67	72	No	32	35	No
V-6-73	SB	519+20	1744 Amherst Ave	**West of Bundy -**	SFR	2	178.2	37.5								65	72	No	30	35	No
V-6-74	SB	519+37	1741 S Bundy Dr	**Nebraska Ave to Iowa Ave**	SFR	2	84.3	37.5								67	72	No	32	35	No
V-6-75	SB	520+13	1737 S Bundy Dr		SFR	2	83.1	37.5								67	72	No	32	35	No
V-6-76	SB	520+13	1735 S Bundy		SFR	2	83.7	37.5								67	72	No	32	35	No
V-6-77	SB	520+63	1727 S Bundy Dr		SFR	2	82.5	38.0								68	72	No	33	35	No
V-6-78	SB	521+44	1721 S Bundy Dr		SFR	2	81.4	39.5								68	72	No	33	35	No
V-6-79	SB	522+00	1717 S Bundy Dr		SFR	2	82.7	40.0								68	72	No	33	35	No
V-6-80	SB	522+28	1711 S Bundy Dr	**West of Bundy -**	SFR	2	82.6	41.0								68	72	No	33	35	No
V-6-81	SB	522+93	1707 S Bundy Dr	**Nebraska Ave to Iowa Ave**	SFR	2	81.9	42.0								68	72	No	33	35	No
V-6-82	SB	523+08	1701 S Bundy Dr		SFR	2	81.8	42.5								69	72	No	34	35	No
V-6-83	SB	523+10	12122 Iowa Ave		SFR	2	120.2	42.5								67	72	No	32	35	No
V-6-84	NB	519+55	11971 Nebraska Ave		MFR	2	173.6	42.5								66	72	No	31	35	No
V-6-85	NB	519+78	11981 Nebraska Ave		MFR	2	108.5	42.5								68	72	No	33	35	No
V-6-86	NB	520+53	11985 Nebraska Ave		MFR	2	81.4	42.5								69	72	No	34	35	No
V-6-87	NB	521+12	11980 Walnut Ln		MFR	2	82.6	42.5								69	72	No	34	35	No
V-6-88	NB	521+10	11972 Walnut Ln		MFR	2	164.6	42.5								66	72	No	31	35	No
V-6-89	NB	522+69	11975 Walnut Ln	**East of Bundy -**	MFR	2	181.4	42.5								66	72	No	31	35	No
V-6-90	NB	522+66	11979 Walnut Ln	**Nebraska Ave to Iowa Ave**	MFR	2	149.6	42.5								66	72	No	31	35	No
V-6-91	NB	522+79	11983 Walnut Ln		MFR	2	115.8	42.5								67	72	No	32	35	No
V-6-92	NB	523+77	1718 S Bundy Dr		MFR	2	82.3	42.5								69	72	No	34	35	No
V-6-93	NB	524+00	11970 Iowa Ave		MFR	2	155.5	42.5								66	72	No	31	35	No
V-6-94	NB	524+52	1706 S Bundy Drive		MFR	2	83.7	42.5								68	72	No	33	35	No
V-6-95	NB	525+33	1700 S Bundy Dr		MFR	2	81.5	42.5								69	72	No	34	35	No
V-6-96	SB	524+00	12123 Iowa Ave		SFR	2	166.0	42.5								66	72	No	31	35	No
V-6-97	SB	524+00	1661 S Bundy Dr		MFR	2	79.4	42.5								69	72	No	34	35	No
V-6-98	SB	525+31	1647 S Bundy Dr		MFR	2	80.5	42.5								69	72	No	34	35	No
V-6-99	SB	526+92	1633 S Bundy Dr	**West of Bundy -**	MFR	2	101.1	42.5								68	72	No	33	35	No
V-6-100	SB	528+04	1625 S Bundy Dr	**Iowa Ave to Idaho Ave**	MFR	2	128.4	42.5								67	72	No	32	35	No
V-6-101	SB	528+38	1619 S Bundy Dr		MFR	2	134.8	42.5								67	72	No	32	35	No
V-6-102	SB	528+65	1617 S Bundy Dr		MFR	2	148.9	42.5								66	72	No	31	35	No
V-6-103	SB	529+00	1611 S Bundy Dr		MFR	2	181.3	42.5								66	72	No	31	35	No
V-6-104	NB	526+45	11985 Iowa Ave		MFR	2	78.2	42.5								69	72	No	34	35	No
V-6-105	NB	526+78	1638 S Bundy Dr		MFR	2	77.7	42.5								69	72	No	34	35	No
V-6-106	NB	526+92	11979 Iowa Ave		MFR	2	94.3	42.5								68	72	No	33	35	No
V-6-107	NB	527+69	11975 Iowa Ave		MFR	2	127.3	42.5								67	72	No	32	35	No
V-6-108	NB	527+39	1634 S Bundy Ave		MFR	2	79.7	42.5								69	72	No	34	35	No
V-6-109	NB	528+00	1628 S Bundy Dr		MFR	2	80.5	42.5								69	72	No	34	35	No
V-6-110	SB	529+00	Barefoot Atelier Preschool 1620 S Bundy Dr	**East of Bundy -** **Iowa Ave to Idaho Ave**	Institutional	3	81.1	42.5								69	75	No	34	35	No
V-6-111	SB	529+08	1616 S Bundy Dr		MFR	2	81.5	42.5								69	72	No	34	35	No
V-6-112	SB	529+63	1612 S Bundy Dr		MFR	2	81.8	42.5								69	72	No	34	35	No
V-6-113	SB	530+07	1606 S Bundy Dr		MFR	2	82.6	42.5								69	72	No	34	35	No
V-6-114	SB	530+54	1600 S Bundy Dr		MFR	2	82.3	42.5								69	72	No	34	35	No
V-6-115	NB	530+18	12000 Idaho Ave		MFR	2	82.2	42.5								69	72	No	34	35	No
V-6-116	NB	531+19	11950 Idaho Ave		MFR	2	107.3	42.5								68	72	No	33	35	No
V-6-117	SB	531+73	12003 Idaho Ave	**West of Brockton Ave -**	MFR	2	87.9	42.5								68	72	No	33	35	No

Land Use Abbreviations - SFR=Single-Family Residence, MFR=Multi-Family Residential

Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-118	SB	532+32	1558 S Bundy Dr	**Idaho Ave to Santa Monica Blvd**	MFR	2	105.5	42.5								68	72	No	33	35	No
V-6-119	SB	532+77	1553 S Saltair Ave		MFR	2	134.1	42.5								67	72	No	32	35	No
V-6-120	SB	533+15	1547 S Saltair Ave		MFR	2	157.1	42.5								66	72	No	31	35	No
V-6-121	SB	533+45	1543 S Saltair Ave		SFR	2	193.1	42.5								65	72	No	30	35	No
V-6-122	SB	533+00	1560 S Saltair Ave		MFR	2	83.6	42.5								68	72	No	33	35	No
V-6-123	SB	534+00	1550 S Saltair Ave		MFR	2	83.9	42.5								68	72	No	33	35	No
V-6-124	SB	534+23	1546 S Saltair Ave		MFR	2	83.8	42.5								68	72	No	33	35	No
V-6-125	SB	534+63	1540 S Saltair Ave		MFR	2	89.3	42.5								68	72	No	33	35	No
V-6-126	SB	534+95	1536 S Saltair Ave		MFR	2	108.2	42.5								68	72	No	33	35	No
V-6-127	SB	535+25	1528 S Saltair Ave	**West of Brockton Ave -**	MFR	2	120.9	42.5								67	72	No	32	35	No
V-6-128	NB	532+89	1563 Brockton Ave	**Idaho Ave to Santa Monica Blvd**	MFR	2	114.7	42.5								67	72	No	32	35	No
V-6-129	NB	533+46	1559 Brockton Ave		MFR	2	112.9	42.5								67	72	No	32	35	No
V-6-130	NB	533+70	1555 Brockton Ave		MFR	2	85.5	42.5								68	72	No	33	35	No
V-6-131	NB	534+18	1545 Brockton Ave		MFR	2	83.7	42.5								68	72	No	33	35	No
V-6-132	NB	535+17	1539 Brockton Ave		MFR	2	83.3	42.5								69	72	No	34	35	No
V-6-133	SB	536+00	1537 Brockton Ave		MFR	2	82.9	42.5								69	72	No	34	35	No
V-6-134	SB	536+28	1531 Brockton Ave		MFR	2	84.1	42.5								68	72	No	33	35	No
V-6-135	SB	536+63	1525 Brockton Ave		MFR	2	93.2	42.5								68	72	No	33	35	No
V-6-136	SB	536+92	1515 Brockton Ave		MFR	2	119.7	42.5								67	72	No	32	35	No
V-6-137	NB	535+20	1552 Brockton Ave		MFR	2	198.3	42.5								65	72	No	30	35	No
V-6-138	NB	535+60	1550 Brockton Ave		MFR	2	171.5	42.5								66	72	No	31	35	No
V-6-139	NB	536+07	1540 Brockton Ave		MFR	2	123.5	42.5								67	72	No	32	35	No
V-6-140	NB	536+37	1536 Brockton Ave		MFR	2	99.7	42.5								68	72	No	33	35	No
V-6-141	NB	537+00	1532 Brockton Ave		MFR	2	82.9	42.5								69	72	No	34	35	No
V-6-142	SB	538+53	1518 Brockton Ave		MFR	2	80.1	42.5								69	72	No	34	35	No
V-6-143	SB	538+70	1516 Brockton Ave	**Brockton Ave to Westgate Ave-**	MFR	2	92.0	42.5								68	72	No	33	35	No
V-6-144	NB	537+79	1535 Armacost Ave	**Idaho Ave to Santa Monica Blvd**	MFR	2	170.0	42.5								66	72	No	31	35	No
V-6-145	NB	537+91	1529 Armacost Ave		MFR	2	126.2	42.5								67	72	No	32	35	No
V-6-146	NB	537+21	1525 Armacost Ave		MFR	2	97.9	42.5								68	72	No	33	35	No
V-6-147	NB	537+41	1519 Armacost Ave		MFR	2	83.9	42.5								68	72	No	33	35	No
V-6-148	SB	539+00	1517 Armacost Ave		MFR	2	79.5	42.5								69	72	No	34	35	No
V-6-149	NB	540+28	1526 Armacost Ave		MFR	2	161.4	42.5								66	72	No	31	35	No
V-6-150	NB	541+85	1515 S Westgate Ave		MFR	2	201.0	42.5								65	72	No	30	35	No
V-6-151	NB	544+50	11840 Santa Monica Blvd		MFR/Mixed	2	74.0	42.5								69	72	No	34	35	No
V-6-152	NB	544+18	1522 S Westgate Ave		MFR	2	73.9	42.5								69	72	No	34	35	No
V-6-153	NB	546+40	11800 Santa Monic Blvd	**South of Santa Monica Blvd -**	MFR/Mixed	2	73.9	42.5								69	72	No	34	35	No
V-6-154	NB	547+32	1515 Granville Ave	**Westgate Ave to Barrington Ave**	MFR	2	150.2	42.5								66	72	No	31	35	No
V-6-155	NB	548+49	1500 Granville Ave		MFR	2	73.9	42.5								69	72	No	34	35	No
V-6-156	NB	550+16	11752 Santa Monica Blvd		MFR/Mixed	2	74.4	42.5								69	72	No	34	35	No
V-6-157	SB	548+63	Santa Monica Dental Association 11775 Santa Monica blvd	**North of Santa Monica Blvd -** **Westgate Ave to Barrington Ave**	Medical	3	77.2	42.5								69	75	No	34	40	No
V-6-158	SB	551+90	11722 Ohio Ave		MFR	2	141.8	42.5								67	72	No	32	35	No
V-6-159	SB	554+00	11701 Santa Monica Blvd		MFR	2	82.6	42.5			Y					64	72	No	29	35	No
	553+05	566+26	**Santa Monica Station**																		
V-6-160	SB	555+43	1506 S Barrington Ave		MFR	2	183.6	42.5			Y					61	72	No	26	35	No
V-6-161	SB	555+65	1510 S Barrington Ave		MFR	2	140.6	41.0			Y					61	72	No	26	35	No
V-6-162	SB	557+00	1505 Barry Ave		MFR	2	159.4	25.0			Y					57	72	No	22	35	No
V-6-163	SB	559+13	1510 Barry Ave		MFR	2	179.5	5.0			Y					42	72	No	7	35	No
V-6-164	SB	560+63	1517 Federal Ave	**North of Santa Monica Blvd -**	MFR	2	158.0	10.0		Y	Y					54	72	No	19	35	No
V-6-165	SB	562+75	1518 Federal Ave	**Barrington Ave to Butler Ave**	MFR	2	133.6	24.0		Y	Y					62	72	No	27	35	No
V-6-166	SB	562+87	11573 Santa Monica Blvd		MFR/Mixed	2	94.1	25.0		Y	Y					63	72	No	28	35	No
V-6-167	SB	564+00	1515 Colby Ave		MFR	2	162.6	32.0		Y	Y					64	72	No	29	35	No
V-6-168	SB	565+00	1533 Colby Ave		MFR/Mixed	2	97.1	38.0		Y	Y					67	72	No	32	35	No
V-6-169	SB	566+56	Laemmle Royal 11523 Santa Monica Blvd		Movie Theater	Special Bldg	98.4	57.0		Y				Y		65	72	No	15	35	No
V-6-170	NB	560+07	11600 Santa Monica Blvd		MFR/Mixed	2	85.4	38.0		Y	Y					67	72	No	32	35	No
V-6-171	NB	563+68	1616 Federal Ave		MFR	2	200.9	44.0			Y					61	72	No	26	35	No
V-6-172	NB	566+77	Pacific West Health Medical Center 11540 Santa Monica Blvd	**South of Santa Monica Blvd -** **Barrington Ave to Butler Ave**	Medical	3	96.5	55.0		Y			Y			70	75	No	20	40	No
V-6-173	NB	567+00	1620-1624 Colby Ave		MFR	2	212.2	56.0								68	72	No	33	35	No
V-6-174	NB	568+37	1609 Butler Ave		MFR	2	142.2	59.0								69	72	No	34	35	No
V-6-175	NB	569+13	The Village Studios 1616 Butler Ave	**South of Santa Monica Blvd -** **Butler Ave to I-405**	Recording Studio	Special Bldg	108.4	60.0							Y	56	65	No	6	25	No

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Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-176	NB	577+26	Stray Angel Films 11318 Santa Monica Blvd	**South of Santa Monica Blvd - Butler Ave to I-405**	Film Production	Special Bldg	252.2	67.5						Y		59	65	No	9	25	No
V-6-177	SB	569+74	Floyd's Barber Shop 11431 Santa Monica Blvd	**North of Santa Monica Blvd - Butler Ave to I-405**	Commercial	3	98.0	42.5								68	75	No	33	40	No
V-6-178	SB	570+46	Mohave Tattoo & Piercing 11427 Santa Monica Blvd		Commercial	3	98.0	42.5								68	75	No	33	40	No
V-6-179	SB	572+00	11401 Santa Monica Blvd		MFR/Mixed	2	99.0	42.5								68	72	No	33	35	No
V-6-180	NB	573+56	Santa Monica Massage 11351 Santa Monica Blvd		Commercial	3	102.7	67.0								72	75	No	37	40	No
V-6-181	NB	575+00	Pacific Animal Clinic 11343 Santa Monica Blvd		Medical	1	104.0	67.5						Y		62	65	No	12	25	No
V-6-182	SB	575+03	1539 Corinth Ave		MFR	2	132.2	42.5								67	72	No	32	35	No
V-6-183	NB	575+40	Veterinary Skin & Ear 11335 Santa Monica Blvd		Medical	1	104.0	67.5						Y		62	65	No	12	25	No
V-6-184	NB	576+11	60out Escape Rooms 1560 Corinth Ave		Recreational	3	104.0	67.5								72	75	No	37	40	No
V-6-185	SB	576+23	Urgent Dental Care 11321 Massachusetts Ave		Medical	3	115.9	42.5								67	75	No	32	40	No
V-6-186	NB	580+00	Reading to Kids 1600 Sawtelle Blvd		Institutional	3	106.8	67.5								72	75	No	37	40	No
V-6-187	NB	582+52	1539 Beloit Ave		MFR	2	116.2	67.5				Y				66	72	No	16	35	No
V-6-188	NB	583+00	1547 Beloit Ave		MFR	2	112.4	67.5				Y				66	72	No	16	35	No
V-6-189	NB	581+29	1601 Beloit Ave		MFR	2	106.0	67.5				Y				67	72	No	17	35	No
V-6-190	NB	588+35	11158 Massachusetts Ave	**I-405 to Sepulveda Blvd**	MFR	2	194.2	67.5								69	72	No	34	35	No
V-6-191	SB	589+95	Audio Command Systems 1527 Pontius Ave		Commercial	3	112.2	59.0								70	75	No	35	40	No
V-6-192	NB	590+48	1515 Pontius Ave		MFR	2	180.3	67.5						Y		60	72	No	10	35	No
V-6-193	NB	590+56	VCA ASEC - Animal hospital 1535 Sepulveda Blvd		Medical	1	111.2	67.5						Y		61	65	No	11	25	No
V-6-194	NB	592+00	Go Graphics & Printing Company 1525 S Sepulveda Blvd		Commercial	3	112.6	67.5								71	75	No	36	40	No
V-6-195	SB	595+70	Fox Sports 1440 S Sepulveda Blvd	**Sepulveda Blvd to Veteran Ave**	TV Station	Special Bldg	200.4	67.5						Y		59	65	No	9	25	No
V-6-196	SB	596+50	11063 Ohio Ave		MFR	2	169.9	67.5				Y				65	72	No	15	35	No
V-6-197	SB	596+84	1441 S Bentley Ave		MFR	2	152.3	67.5				Y				65	72	No	15	35	No
V-6-198	SB	595+46	1505 S Bentley Ave		MFR	2	113.5	67.5				Y				66	72	No	16	35	No
V-6-199	NB	595+00	1511 S Bentley Ave		MFR	2	113.3	67.5				Y				66	72	No	16	35	No
V-6-200	NB	594+50	1517 S Bentley Ave		MFR	2	113.0	67.5				Y				66	72	No	16	35	No
V-6-201	NB	593+85	1535 S Bentley Ave		MFR	2	169.9	67.5				Y				65	72	No	15	35	No
V-6-202	NB	595+75	1522 S Bentley Ave		MFR	2	172.0	67.5				Y				65	72	No	15	35	No
V-6-203	NB	596+56	1506 S Bentley Ave		MFR	2	114.0	67.5				Y				66	72	No	16	35	No
V-6-204	SB	598+40	1436 S Bentley Ave		MFR	2	114.5	67.5				Y				66	72	No	16	35	No
V-6-205	SB	598+76	1430 S Bentley Ave		MFR	2	120.0	67.5				Y				66	72	No	16	35	No
V-6-206	SB	599+00	1424 S Bentley Ave		MFR	2	140.1	67.5				Y				66	72	No	16	35	No
V-6-207	SB	599+33	1422 S Bentley Ave		MFR	2	163.2	67.5				Y				65	72	No	15	35	No
V-6-208	SB	599+70	1418 S Bentley Ave		MFR	2	193.7	67.5								69	72	No	34	35	No
V-6-209	SB	599+00	11037 Ohio Ave		MFR	2	114.3	67.5				Y				66	72	No	16	35	No
V-6-210	NB	599+00	11033 Ohio Ave		MFR	2	114.3	65.0				Y				66	72	No	16	35	No
V-6-211	NB	597+25	1511 Camden Ave		MFR	2	162.7	67.5				Y				65	72	No	15	35	No
V-6-212	SB	599+23	1431 Camden Ave		MFR	2	114.8	67.5				Y				66	72	No	16	35	No
V-6-213	SB	600+05	1427 Camden Ave		MFR	2	115.1	67.5				Y				66	72	No	16	35	No
V-6-214	SB	600+45	1415 Camden Ave		MFR	2	120.0	67.5				Y				66	72	No	16	35	No
V-6-215	NB	600+54	1432 Camden Ave		MFR	2	114.9	60.0				Y				65	72	No	15	35	No
V-6-216	SB	601+00	1420 Camden Ave		MFR	2	114.6	67.5				Y				66	72	No	16	35	No
V-6-217	SB	602+16	1412 Camden Ave		MFR	2	115.5	67.5				Y				66	72	No	16	35	No
V-6-218	SB	602+88	1406 Camden Ave		MFR	2	116.0	67.5				Y				66	72	No	16	35	No
V-6-219	SB	603+26	1400 Camden Ave		MFR	2	126.0	67.5				Y				66	72	No	16	35	No
V-6-220	SB	603+60	1413 Greenfield Ave		MFR	2	122.9	67.5				Y				66	72	No	16	35	No
V-6-221	SB	602+70	1417 Greenfield Ave		MFR	2	126.2	67.5				Y				66	72	No	16	35	No
V-6-222	SB	602+34	1421 Greenfield Ave		MFR	2	142.3	67.5				Y				66	72	No	16	35	No
V-6-223	SB	604+00	1403 Greenfield Ave		MFR	2	116.2	67.5				Y				66	72	No	16	35	No
V-6-224	SB	604+85	1414 Greenfield Ave	**Sepulveda Blvd to Veteran Ave**	MFR	2	159.2	67.5				Y				65	72	No	15	35	No
V-6-225	SB	605+56	1400 Greenfield Ave		MFR	2	130.8	67.5				Y				66	72	No	16	35	No

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Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-226	SB	608+86	1398 Veteran Ave	Veteran Ave to Wilshire/Metro D Line/Gayley Station	MFR	2	254.5	67.5								68	72	No	33	35	No
V-6-227	SB	609+17	1390 Veteran Ave		MFR	2	199.3	67.5								69	72	No	34	35	No
V-6-228	SB	610+40	1380 Veteran Ave		MFR	2	150.7	66.0				Y				65	72	No	15	35	No
V-6-229	SB	613+00	1370 Veteran Ave		MFR	2	122.2	65.0				Y				66	72	No	16	35	No
V-6-230	SB	612+00	1375 Kelton Ave		MFR	2	188.7	65.0								69	72	No	34	35	No
V-6-231	SB	612+59	1361 Kelton Ave		MFR	2	161.1	65.0				Y				65	72	No	15	35	No
V-6-232	SB	613+00	10990 Rochester Ave		MFR	2	122.5	64.5				Y				66	72	No	16	35	No
V-6-233	SB	613+58	10966 Rochester Ave		MFR	2	142.5	64.0				Y				65	72	No	15	35	No
V-6-234	SB	615+23	10969 Rochester Ave		MFR	2	122.7	64.0				Y				66	72	No	16	35	No
V-6-235	SB	615+00	10989 Rochester Ave		MFR	2	122.7	64.0				Y				66	72	No	16	35	No
V-6-236	SB	615+70	10965 Rochester Ave		MFR	2	162.9	64.0				Y				65	72	No	15	35	No
V-6-237	SB	615+67	10959 Rochester Ave		MFR	2	201.6	64.0								69	72	No	34	35	No
V-6-238	SB	615+47	10996 Wellworth Ave		MFR	2	204.4	64.0								69	72	No	34	35	No
V-6-239	SB	615+57	10990 Wellworth Ave		MFR	2	161.8	64.0				Y				65	72	No	15	35	No
V-6-240	SB	616+00	10980 Wellworth Ave		MFR	2	125.0	63.0				Y				65	72	No	15	35	No
V-6-241	SB	617+00	10966 Wellworth Ave		MFR	2	133.6	63.0				Y				65	72	No	15	35	No
V-6-242	SB	617+00	10960 Wellworth		MFR	2	163.9	63.0								69	72	No	34	35	No
V-6-243	SB	618+00	10969 Wellworth Ave		MFR	2	123.0	57.0				Y				65	72	No	15	35	No
V-6-244	NB	617+73	10983 Wellworth Ave		MFR	2	130.9	42.5								67	72	No	32	35	No
V-6-245	SB	618+80	10992 Ashton Ave		MFR	2	196.0	57.0								68	72	No	33	35	No
V-6-246	SB	619+05	10970 Ashton Ave		MFR	2	130.6	57.0								69	72	No	34	35	No
V-6-247	SB	620+00	10960 Ashton Ave		MFR	2	124.8	57.0				Y				65	72	No	15	35	No
V-6-248	NB	618+63	1266 Midvale Ave		MFR	2	230.0	42.5								65	72	No	30	35	No
V-6-249	NB	620+16	1250 Midvale Ave		MFR	2	197.4	42.5								65	72	No	30	35	No
V-6-250	SB	620+15	1255 Midvale Ave		MFR	2	125.0	57.0				Y				65	72	No	15	35	No
	623+62	630+79	**Wilshire/Metro D Line/Gayley Station**																		
V-6-252	SB	628+30	UCLA Extension 1145 Gayley Ave	Wilshire/Metro D Line/Gayley Station to Le Conte Ave	Institutional	3	160.2	6.0			Y					44	75	No	9	40	No
V-6-253	NB	630+28	1122 Gayley Ave		MFR/Mixed	2	145.2	38.0			Y					61	72	No	26	35	No
V-6-254	NB	633+30	Azoff Music Management 1100 Glendon Ave, #2000		Recording Studio	Special Bldg	470.4	43.0				Y				57	65	No	7	25	No
V-6-255	NB	633+30	CBS Films 1100 Glendon Ave, #1100		Video Production	Special Bldg	470.4	43.0				Y				57	65	No	7	25	No
V-6-256	SB	633+46	Tutor Me Education 1093 Broxton Ave		Institutional	3	146.2	39.0								66	75	No	31	40	No
V-6-257	NB	635+90	Boost Your Media 1040 Glendon Ave, #1100		Video Production	Special Bldg	508.1	51.0				Y				59	65	No	9	25	No
V-6-258	SB	636+30	The Landmark Westwood 1045 Broxton Ave, #2803		Movie Theater	Special Bldg	215.5	42.5								65	72	No	30	35	No
V-6-259	NB	636+53	BuffTutor 1043 Westwood blvd		Institutional	3	140.5	52.0								68	75	No	33	40	No
V-6-260	NB	638+00	Float Lab Westwood - Isolation Spa 1025 Westwood Blvd		Spa	3	137.1	52.5								69	75	No	34	40	No
V-6-261	NB	643+00	Swartwood Testing, Admissions & Review 911 Westwood blvd		Institutional	3	125.6	52.5								69	75	No	34	40	No
V-6-262	SB	646+11	Wendy & Leonard Goldberg Medical Building 300 Medical Plaza Dr	Le Conte Ave to UCLA Station	Medical	1	119.7	42.5						Y		57	65	No	7	25	No
V-6-263	NB	650+63	Stein Eye Institute, Oculoplastics Division 300 Stein Plaza Driveway		Institutional	1	130.3	42.5						Y		57	65	No	7	25	No
V-6-264	SB	649+71	Vatche And Tamar Manoukian Medical Building 100 Medical Plaza Dr		Hospital	1	114.7	42.5						Y		57	65	No	7	25	No
V-6-265	NB	652+71	UCLA Semel Institute for Neuroscience 760 Westwood Plaza		Institutional	1	123.2	42.5						Y		57	65	No	7	25	No
V-6-266	NB	654+00	Reed Neurological Research Center 710 Westwood Plaza		Institutional	1	107.5	42.5						Y		58	65	No	8	25	No
V-6-267	NB	654+57	Ronald Reagan UCLA Medical Center 757 Westwood Plaza		Hospital	1	139.0	42.5						Y		57	65	No	7	25	No
V-6-268	NB	656+98	Gonda (Goldschmeid) Center 695 Charles E Young Dr S		Institutional	1	105.5	42.5						Y		58	65	No	8	25	No
	658+44	670+87	**UCLA Gateway Plaza Station**																		
V-6-269	NB	663+68	7400 Boelter Hall	UCLA Station to Sunset Blvd	Institutional	3	153.0	21.0			Y					55	65	No	20	25	No

Sepulveda Transit Corridor
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									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-270	NB	666+38	UCLA Engineering VI 404 Westwood Plaza	UCLA Station to Sunset Blvd	Institutional	1	133.7	42.5		Y	Y			Y		57	65	**No**	7	25	**No**
V-6-271	SB	668+20	325 Westwood Plaza		Institutional	3	127.9	38.0			Y					61	75	No	26	40	No
V-6-272	SB	673+00	221 Westwood Plaza		Institutional	3	132.7	42.5								67	75	No	32	40	No
V-6-273	NB	678+00	120 Westwood Plaza		Theater	3	143.4	52.5								68	72	No	33	35	No
V-6-274	NB	680+00	110 Westwood Plaza		Institutional	3	135.9	52.5								69	75	No	34	40	No
V-6-275	NB	686+05	330 Charles E Young Dr		Institutional	3	137.1	52.5								69	75	No	34	40	No
V-6-276	NB	689+00	320 Charles E Young Dr		Institutional	3	136.2	52.5								69	75	No	34	40	No
V-6-277	NB	694+69	120 Udine Way	Sunset Blvd to Bellagio Rd	SFR	2	157.6	52.5								68	72	No	33	35	No
V-6-278	SB	694+77	121 Udine Way		SFR	2	162.0	52.5								68	72	No	33	35	No
V-6-279	NB	695+53	111 Stone Canyon Rd		SFR	2	168.9	52.5								68	72	No	33	35	No
V-6-280	SB	697+64	133 Udine Way		SFR	2	191.1	52.5								67	72	No	32	35	No
V-6-281	NB	698+00	124 Udine Way		SFR	2	189.0	59.0								68	72	No	33	35	No
V-6-282	SB	705+00	10644 Bellagio Rd		SFR	2	239.0	52.5								67	72	No	32	35	No
V-6-283	SB	715+95	10601 Bellagio Rd	Bellagio Rd to Bel Air Rd	SFR	2	181.1	62.0								69	72	No	34	35	No
V-6-284	NB	715+86	620 Stone Canyon Rd		SFR	2	219.2	67.5								69	72	No	34	35	No
V-6-285	NB	719+80	634 Stone Canyon Rd		SFR	2	198.3	67.5								69	72	No	34	35	No
V-6-286	SB	720+62	662 Stone Canyon Rd		SFR	2	177.1	67.5								70	72	No	35	35	Yes
V-6-287	SB	723+31	680 Stone Canyon Rd		SFR	2	221.6	67.5								69	72	No	34	35	No
V-6-288	SB	724+81	696 Stone Canyon Rd		SFR	2	241.1	67.5								69	72	No	34	35	No
V-6-289	NB	724+92	729 Bel Air Rd		SFR	2	358.1	67.5								67	72	No	32	35	No
V-6-290	NB	729+36	761 Bel Air Rd		SFR	2	372.9	67.5								67	72	No	32	35	No
V-6-291	SB	734+90	811 Strada Vecchia Rd		SFR	2	391.0	67.5								67	72	No	32	35	No
V-6-292	SB	736+72	851 Strada Vecchia Rd		SFR	2	438.5	67.5								67	72	No	32	35	No
V-6-293	NB	740+30	901 Strada Vecchia		SFR	2	446.0	67.5								66	72	No	31	35	No
V-6-294	NB	740+59	940 Strada Vecchia		SFR	2	521.5	67.5								66	72	No	31	35	No
V-6-295	SB	740+06	10511 Rocca Pl		SFR	2	372.4	67.5								67	72	No	32	35	No
V-6-296	SB	740+00	10500 Rocca Pl		SFR	2	330.0	67.5								68	72	No	33	35	No
V-6-297	SB	743+98	10550 Rocca Pl		SFR	2	309.9	67.5								68	72	No	33	35	No
V-6-298	NB	744+26	10521 Rocca Pl		SFR	2	358.1	67.5								67	72	No	32	35	No
V-6-299	NB	743+75	10525 Rocca Pl		SFR	2	431.5	67.5								67	72	No	32	35	No
V-6-300	SB	747+00	10535 Rocca Pl		SFR	2	405.0	67.5								67	72	No	32	35	No
V-6-301	SB	750+00	1005 Bel Air Ct		SFR	2	508.0	67.5								66	72	No	31	35	No
V-6-302	NB	753+00	1101 Bel Air Pl		SFR	2	596.0	67.5								65	72	No	30	35	No
V-6-303	NB	754+32	1100 Bel Air Pl		SFR	2	624.6	67.5								65	72	No	30	35	No
V-6-304	NB	756+00	1105 Bel Air Pl		SFR	2	625.0	67.5								65	72	No	30	35	No
V-6-305	NB	756+86	1111 Bel Air Pl		SFR	2	630.0	67.5								65	72	No	30	35	No
V-6-306	NB	761+27	1237 Bel Air Rd		SFR	2	600.8	67.5								65	72	No	30	35	No
V-6-307	SB	763+99	1251 Bel Air Rd		SFR	2	570.7	67.5								66	72	No	31	35	No
V-6-308	NB	761+92	1234 Bel Air Rd	Bel Air Rd to Corfu Lane	SFR	2	619.6	67.5								65	72	No	30	35	No
V-6-309	NB	763+70	1260 Bel Air Rd		SFR	2	597.3	67.5								65	72	No	30	35	No
V-6-310	SB	768+20	1420 Bel Air Rd		SFR	2	504.3	67.5								66	72	No	31	35	No
V-6-311	SB	768+45	1424 Bel Air Rd		SFR	2	534.9	67.5								66	72	No	31	35	No
V-6-312	SB	769+00	10500 Mars Ln		SFR	2	460.0	67.5								66	72	No	31	35	No
V-6-313	NB	769+85	10505 Mars Ln		SFR	2	404.3	67.5								67	72	No	32	35	No
V-6-314	SB	770+35	10517 Mars Ln		SFR	2	450.2	67.5								66	72	No	31	35	No
V-6-315	SB	771+69	10522 Isadora Ln		SFR	2	456.1	67.5								66	72	No	31	35	No
V-6-316	NB	771+89	10480 Sandal Ln		SFR	2	374.8	67.5								67	72	No	32	35	No
V-6-317	NB	771+62	10486 Sandal Ln		SFR	2	356.9	67.5								67	72	No	32	35	No
V-6-318	NB	773+12	10496 Sandal Ln		SFR	2	388.2	67.5								67	72	No	32	35	No
V-6-319	SB	773+00	10500 Sandal Ln	Bel Air Rd to Corfu Lane	SFR	2	390.0	67.5								67	72	No	32	35	No
V-6-320	SB	773+00	10510 Sandal Ln		SFR	2	409.3	67.5								67	72	No	32	35	No
V-6-321	SB	773+41	10512-10522 Sandal Ln		SFR	2	433.8	67.5								67	72	No	32	35	No
V-6-322	NB	772+66	10455 Sandal Ln		SFR	2	394.9	67.5								67	72	No	32	35	No
V-6-323	NB	773+62	10471 Sandal Ln		SFR	2	371.6	67.5								67	72	No	32	35	No
V-6-324	NB	774+05	10483 Sandal Ln		SFR	2	404.7	67.5								67	72	No	32	35	No
V-6-325	SB	775+00	10505 Sandal Ln		SFR	2	419.0	67.5								67	72	No	32	35	No
V-6-326	SB	775+00	10509 Sandal Ln		SFR	2	432.3	67.5								67	72	No	32	35	No
V-6-327	SB	775+57	10515 Sandal Ln		SFR	2	449.1	67.5								66	72	No	31	35	No
V-6-328	NB	775+00	10495 Sandal Ln		SFR	2	415.0	67.5								67	72	No	32	35	No
V-6-329	NB	776+21	10489 Sandal Ln		SFR	2	381.4	67.5								67	72	No	32	35	No
V-6-330	SB	780+00	1669 N Beverly Glen Blvd		SFR	2	228.0	67.5								69	72	No	34	35	No
V-6-331	SB	780+17	1673 N Beverly Glen Blvd	Bel Air Rd to Corfu Lane	SFR	2	230.0	67.5								69	72	No	34	35	No

Land Use Abbreviations - SFR=Single-Family Residence, MFR=Multi-Family Residential

Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-332	SB	780+15	1675 N Beverly Glen Blvd	Bel Air Rd to Corfu Lane	SFR	2	241.8	67.5								69	72	No	34	35	No
V-6-333	NB	779+54	1665 N Beverly Glen Blvd		SFR	2	220.0	67.5								69	72	No	34	35	No
V-6-334	NB	779+30	1661 N Beverly Glen Blvd		SFR	2	222.1	67.5								69	72	No	34	35	No
V-6-335	NB	779+00	1659 N Beverly Glen Blvd		SFR	2	226.5	67.5								69	72	No	34	35	No
V-6-336	NB	778+56	1655 N Beverly Glen Blvd		SFR	2	232.8	67.5								69	72	No	34	35	No
V-6-337	NB	778+52	1653 N Beverly Glen Blvd		SFR	2	236.0	67.5								69	72	No	34	35	No
V-6-338	NB	778+09	1647 N Beverly Glen Blvd		SFR	2	236.8	67.5								69	72	No	34	35	No
V-6-339	NB	778+04	1643 N Beverly Glen Blvd		SFR	2	278.4	67.5								68	72	No	33	35	No
V-6-340	NB	778+88	1648 N Beverly Glen Blvd		SFR	2	289.8	67.5								68	72	No	33	35	No
V-6-341	NB	779+73	1656 N Beverly Glen Blvd		SFR	2	253.3	67.5								69	72	No	34	35	No
V-6-342	NB	779+90	1662 N Beverly Glen Blvd		SFR	2	240.9	67.5								69	72	No	34	35	No
V-6-343	NB	780+21	1666 N Beverly Glen Blvd		SFR	2	232.2	67.5								69	72	No	34	35	No
V-6-344	SB	781+57	1709 N Beverly Glen Blvd		SFR	2	229.0	67.5								69	72	No	34	35	No
V-6-345	NB	781+30	1712 N Beverly Glen Blvd		SFR	2	229.4	67.5								69	72	No	34	35	No
V-6-346	NB	781+78	1714 N Beverly Glen Blvd		SFR	2	237.9	67.5								69	72	No	34	35	No
V-6-347	NB	782+64	1718 N Beverly Glen Blvd		SFR	2	231.1	67.5								69	72	No	34	35	No
V-6-348	SB	782+73	10414 Corfu Ln		SFR	2	253.4	67.5								69	72	No	34	35	No
V-6-349	SB	782+78	1717 N Beverly Glen Blvd		SFR	2	287.3	67.5								68	72	No	33	35	No
V-6-350	SB	782+94	1723 N Beverly Glen Blvd		SFR	2	251.2	67.5								69	72	No	34	35	No
V-6-351	NB	782+68	1726 N Beverly Glen Blvd		SFR	2	229.5	67.5								69	72	No	34	35	No
V-6-352	NB	783+70	1734 N Beverly Glen Blvd	Corfu Lane to Hebron Lane	SFR	2	230.1	67.5								69	72	No	34	35	No
V-6-353	SB	783+46	1733 N Beverly Glen Blvd		SFR	2	271.4	67.5								68	72	No	33	35	No
V-6-354	SB	783+63	10415 Corfu Ln		SFR	2	271.4	67.5								68	72	No	33	35	No
V-6-355	SB	783+49	10417 Corfu Ln		SFR	2	286.9	67.5								68	72	No	33	35	No
V-6-356	SB	784+00	1737 N Beverly Glen Blvd		SFR	2	256.2	67.5								68	72	No	33	35	No
V-6-357	SB	784+30	1739 N Beverly Glen Blvd		SFR	2	231.0	67.5								69	72	No	34	35	No
V-6-358	NB	784+15	1738 N Beverly Glen Blvd		SFR	2	231.4	67.5								69	72	No	34	35	No
V-6-359	SB	785+00	1745 N Beverly Glen Blvd		SFR	2	231.0	67.5								69	72	No	34	35	No
V-6-360	NB	785+00	1742 N Beverly Glen Blvd		SFR	2	230.1	67.5								69	72	No	34	35	No
V-6-361	NB	785+60	1750 N Beverly Glen Blvd		SFR	2	232.4	67.5								69	72	No	34	35	No
V-6-362	SB	785+50	1751 N Beverly Glen Blvd		SFR	2	229.0	67.5								69	72	No	34	35	No
V-6-363	SB	786+00	1757 N Beverly Glen Blvd		SFR	2	228.0	67.5								69	72	No	34	35	No
V-6-364	SB	786+11	1761 N Beverly Glen Blvd		SFR	2	253.7	67.5								69	72	No	34	35	No
V-6-365	SB	787+16	1771 N Beverly Glen Blvd		SFR	2	238.6	67.5								69	72	No	34	35	No
V-6-366	NB	787+22	1774 N Beverly Glen Blvd		SFR	2	234.7	67.5								69	72	No	34	35	No
V-6-367	SB	787+77	1783 N Beverly Glen Blvd		SFR	2	234.2	67.5								69	72	No	34	35	No
V-6-368	NB	788+18	1786 N Beverly Glen Blvd		SFR	2	237.0	67.5								69	72	No	34	35	No
V-6-369	SB	788+41	1791 N Beverly Glen Blvd		SFR	2	230.7	67.5								69	72	No	34	35	No
V-6-370	NB	787+70	1798 N Beverly Glen Blvd		SFR	2	242.6	67.5								69	72	No	34	35	No
V-6-371	SB	789+00	1793 N Beverly Glen Blvd		SFR	2	230.6	67.5								69	72	No	34	35	No
V-6-372	SB	789+42	1799 N Beverly Glen Blvd		SFR	2	231.6	67.5								69	72	No	34	35	No
V-6-373	SB	790+10	1803 N Beverly Glen Blvd		SFR	2	245.0	67.5								69	72	No	34	35	No
V-6-374	NB	789+19	10334 Viretta Ln		SFR	2	306.8	67.5								68	72	No	33	35	No
V-6-375	NB	790+00	1800 N Beverly Glen Blvd		SFR	2	232.0	67.5								69	72	No	34	35	No
V-6-376	NB	790+25	1806 N Beverly Glen Blvd		SFR	2	229.1	67.5								69	72	No	34	35	No
V-6-377	NB	790+67	10337 Viretta Ln		SFR	2	268.5	67.5								68	72	No	33	35	No
V-6-378	NB	791+00	1812 N Beverly Glen Blvd		SFR	2	230.0	67.5								69	72	No	34	35	No
V-6-379	SB	790+46	1809 N Beverly Glen Blvd		SFR	2	243.0	67.5								69	72	No	34	35	No
V-6-380	SB	791+08	1815 N Beverly Glen Blvd		SFR	2	247.1	67.5								69	72	No	34	35	No
V-6-381	SB	791+86	10408 Hebron Ln		SFR	2	279.7	67.5								68	72	No	33	35	No
V-6-382	SB	791+93	1831 N Beverly Glen Blvd		SFR	2	260.5	67.5								68	72	No	33	35	No
V-6-383	SB	792+00	1818 N Beverly Glen Blvd		SFR	2	233.0	67.5								69	72	No	34	35	No
V-6-384	SB	792+10	1824 N Beverly Glen Blvd		SFR	2	235.8	67.5								69	72	No	34	35	No
V-6-385	NB	792+34	1843 N Calgary Ln	Hebron Lane to Oletha Lane	SFR	2	380.3	67.5								67	72	No	32	35	No
V-6-386	NB	792+65	1847 N Calgary Ln		SFR	2	345.7	67.5								67	72	No	32	35	No
V-6-387	SB	792+53	1828 N Beverly Glen Blvd		SFR	2	234.0	67.5								69	72	No	34	35	No
V-6-388	SB	792+57	10400 Hebron Ln		SFR	2	270.8	67.5								68	72	No	33	35	No
V-6-389	SB	793+06	1832 N Beverly Glen Blvd		SFR	2	235.1	67.5								69	72	No	34	35	No
V-6-390	SB	793+36	1835 N Beverly Glen Blvd		SFR	2	276.8	67.5								68	72	No	33	35	No
V-6-391	SB	793+54	1840 N Beverly Glen Blvd		SFR	2	236.2	67.5								69	72	No	34	35	No
V-6-392	NB	794+00	10390 Caribou Ln		SFR	2	240.0	67.5								69	72	No	34	35	No
V-6-393	SB	794+18	1845 N Beverly Glen Blvd		SFR	2	278.6	67.5								68	72	No	33	35	No
V-6-394	NB	794+22	10360 Caribou Ln	Hebron Lane to Oletha Lane	SFR	2	265.1	67.5								68	72	No	33	35	No

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Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-395	NB	794+78	10361 Caribou Ln		SFR	2	278.2	67.5								68	72	No	33	35	No
V-6-396	SB	794+63	1847 N Beverly Glen Blvd		SFR	2	280.4	67.5								68	72	No	33	35	No
V-6-397	SB	794+91	1851 N Beverly Glen Blvd		SFR	2	248.9	67.5								69	72	No	34	35	No
V-6-398	NB	794+63	1900 N Beverly Glen Blvd		SFR	2	251.3	67.5								69	72	No	34	35	No
V-6-399	NB	795+00	10387 Caribou Ln		SFR	2	254.6	67.5								68	72	No	33	35	No
V-6-400	NB	795+18	1902 N Beverly Glen Blvd		SFR	2	238.3	67.5								69	72	No	34	35	No
V-6-401	SB	795+20	1907 N Beverly Glen Blvd		SFR	2	267.1	67.5								68	72	No	33	35	No
V-6-402	NB	795+30	1907 Calgary Ln		SFR	2	299.5	67.5								68	72	No	33	35	No
V-6-403	NB	795+18	1900 Calgary Ln		SFR	2	319.3	67.5								68	72	No	33	35	No
V-6-404	SB	795+57	1911 N Beverly Glen Blvd		SFR	2	262.5	67.5								68	72	No	33	35	No
V-6-405	SB	795+23	1901 N Beverly Glen Blvd		SFR	2	258.1	67.5								68	72	No	33	35	No
V-6-406	SB	795+87	1917 N Beverly Glen Blvd		SFR	2	255.8	67.5								68	72	No	33	35	No
V-6-407	SB	796+00	1906 N Beverly Glen Blvd		SFR	2	262.8	67.5								68	72	No	33	35	No
V-6-408	SB	796+10	1910 N Beverly Glen Blvd		SFR	2	248.0	67.5								69	72	No	34	35	No
V-6-409	SB	796+08	1917 N Beverly Glen Blvd		SFR	2	251.7	67.5								69	72	No	34	35	No
V-6-410	SB	796+48	1914 N Beverly Glen Blvd		SFR	2	250.0	67.5								69	72	No	34	35	No
V-6-411	SB	796+71	1927 N Beverly Glen Blvd		SFR	2	254.2	67.5								68	72	No	33	35	No
V-6-412	SB	797+00	1918 N Beverly Glen Blvd		SFR	2	249.0	67.5								69	72	No	34	35	No
V-6-413	NB	796+19	10291 Mariel Ln		SFR	2	349.9	67.5								67	72	No	32	35	No
V-6-414	NB	797+21	10297 Mariel Ln		SFR	2	297.0	67.5								68	72	No	33	35	No
V-6-415	SB	797+24	1928 N Beverly Glen Blvd		SFR	2	249.1	67.5								69	72	No	34	35	No
V-6-416	SB	797+58	1938 N Beverly Glen Blvd		SFR	2	253.2	67.5								69	72	No	34	35	No
V-6-417	SB	797+71	1951 N Beverly Glen Blvd		SFR	2	282.2	67.5								68	72	No	33	35	No
V-6-418	SB	798+00	1948 N Beverly Glen Blvd		SFR	2	254.0	67.5								69	72	No	34	35	No
V-6-419	SB	798+27	1970 N Beverly Glen Blvd		SFR	2	254.3	67.5								68	72	No	33	35	No
V-6-420	NB	798+00	1940 N Calgary Ln		SFR	2	329.7	67.5								68	72	No	33	35	No
V-6-421	SB	798+33	2001 Calgary Ln		SFR	2	284.0	67.5								68	72	No	33	35	No
V-6-422	SB	799+00	2005 Calgary Ln		SFR	2	268.0	67.5								68	72	No	33	35	No
V-6-423	NB	799+15	2010 Calgary Ln		SFR	2	327.4	67.5								68	72	No	33	35	No
V-6-424	SB	799+27	2004 N Beverly Glen Blvd		SFR	2	259.7	67.5								68	72	No	33	35	No
V-6-425	NB	799+45	10310 Chrysanthemum Ln	**Hebron Lane to Oletha Lane**	SFR	2	314.2	67.5								68	72	No	33	35	No
V-6-426	NB	799+62	10336 Chrysanthemum Ln		SFR	2	270.0	67.5								68	72	No	33	35	No
V-6-427	NB	800+07	10324 Chrysanthemum Ln		SFR	2	319.8	67.5								68	72	No	33	35	No
V-6-428	SB	800+00	2020 N Beverly Glen Blvd		SFR	2	254.0	67.5								69	72	No	34	35	No
V-6-429	SB	800+03	2015 N Beverly Glen Blvd		SFR	2	294.4	67.5								68	72	No	33	35	No
V-6-430	SB	800+44	2017 N Beverly Glen Blvd		SFR	2	289.6	67.5								68	72	No	33	35	No
V-6-431	SB	800+67	2030 N Beverly Glen Blvd		SFR	2	253.2	67.5								69	72	No	34	35	No
V-6-432	SB	801+44	2041 N Beverly Glen Blvd		SFR	2	269.2	67.5								68	72	No	33	35	No
V-6-433	SB	801+99	2043 N Beverly Glen Blvd		SFR	2	251.6	67.5								69	72	No	34	35	No
V-6-434	SB	802+37	2057 N Beverly Glen Blvd		SFR	2	248.0	67.5								69	72	No	34	35	No
V-6-435	NB	800+88	10333 Chrysanthemum Ln		SFR	2	269.7	67.5								68	72	No	33	35	No
V-6-436	NB	801+21	10321 Chrysanthemum Ln		SFR	2	299.3	67.5								68	72	No	33	35	No
V-6-437	SB	801+14	2038 N Beverly Glen Blvd		SFR	2	245.5	67.5								69	72	No	34	35	No
V-6-438	SB	801+23	2042 N Beverly Glen Blvd		SFR	2	245.4	67.5								69	72	No	34	35	No
V-6-439	SB	801+65	2050 N Beverly Glen Blvd		SFR	2	248.6	67.5								69	72	No	34	35	No
V-6-440	SB	802+00	2064 N Beverly Glen Blvd		SFR	2	258.1	67.5								68	72	No	33	35	No
V-6-441	NB	802+40	2076 N Beverly Glen Blvd		SFR	2	249.3	67.5								69	72	No	34	35	No
V-6-442	NB	802+54	10340 Tupelo Ln		SFR	2	371.8	67.5								67	72	No	32	35	No
V-6-443	NB	802+69	2068 N Beverly Glen Blvd		SFR	2	266.1	67.5								68	72	No	33	35	No
V-6-444	SB	803+41	2071 N Beverly Glen Blvd		SFR	2	255.1	67.5								68	72	No	33	35	No
V-6-445	NB	803+14	10386 Tupelo Ln		SFR	2	261.2	67.5								68	72	No	33	35	No
V-6-446	NB	803+53	10362 Tupelo Ln		SFR	2	335.1	67.5								68	72	No	33	35	No
V-6-447	NB	803+60	2085 N Beverly Glen Blvd		SFR	2	260.1	67.5								68	72	No	33	35	No
V-6-448	SB	804+02	10410 Oletha Ln		SFR	2	274.7	67.5								68	72	No	33	35	No
V-6-449	SB	804+25	2086 N Beverly Glen Blvd		SFR	2	258.0	67.5								68	72	No	33	35	No
V-6-450	NB	804+67	10385 Tupelo Ln		SFR	2	270.3	67.5								68	72	No	33	35	No
V-6-451	NB	804+68	10375 Tupelo Ln		SFR	2	286.7	67.5								68	72	No	33	35	No
V-6-452	SB	805+21	2098 N Beverly Glen Blvd		SFR	2	261.0	67.5								68	72	No	33	35	No
V-6-453	NB	805+00	10388 Oletha Ln		SFR	2	274.6	67.5								68	72	No	33	35	No
V-6-454	NB	805+66	10376 Oletha Ln		SFR	2	278.2	67.5								68	72	No	33	35	No
V-6-455	NB	806+20	10372 Oletha Ln		SFR	2	297.7	67.5								68	72	No	33	35	No
V-6-456	SB	805+91	2108 N Beverly Glen Blvd	**Oletha Ln to Seabury Ln**	SFR	2	260.3	67.5								68	72	No	33	35	No
V-6-457	SB	806+19	10389 Oletha Ln	**Oletha Ln to Seabury Ln**	SFR	2	262.7	67.5								68	72	No	33	35	No

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Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-458	SB	806+24	2120 N Beverly Glen Blvd	**Oletha Ln to Seabury Ln**	SFR	2	276.0	67.5								68	72	No	33	35	No
V-6-459	SB	806+29	10383 Oletha Ln		SFR	2	262.3	67.5								68	72	No	33	35	No
V-6-460	NB	806+40	10377 Oletha Ln		SFR	2	264.2	67.5								68	72	No	33	35	No
V-6-461	SB	806+66	2128 N Beverly Glen Blvd		SFR	2	280.0	67.5								68	72	No	33	35	No
V-6-462	NB	806+78	10371 Oletha Ln		SFR	2	265.4	67.5								68	72	No	33	35	No
V-6-463	NB	807+12	10367 Oletha Ln		SFR	2	270.8	67.5								68	72	No	33	35	No
V-6-464	NB	807+22	10355 Oletha Ln		SFR	2	282.4	67.5								68	72	No	33	35	No
V-6-465	NB	807+63	10347 Oletha Ln		SFR	2	296.5	67.5								68	72	No	33	35	No
V-6-466	NB	807+73	10343 Oletha Ln		SFR	2	309.6	67.5								68	72	No	33	35	No
V-6-467	NB	807+73	10335 Oletha Ln		SFR	2	330.0	67.5								68	72	No	33	35	No
V-6-468	SB	807+16	2134 N Beverly Glen Blvd		SFR	2	302.5	67.5								68	72	No	33	35	No
V-6-469	SB	808+08	2150 N Beverly Glen Blvd		SFR	2	319.9	67.5								68	72	No	33	35	No
V-6-470	SB	808+39	2154 N Beverly Glen Blvd		SFR	2	312.8	67.5								68	72	No	33	35	No
V-6-471	SB	808+66	2158 N Beverly Glen Blvd		SFR	2	310.7	67.5								68	72	No	33	35	No
V-6-472	SB	809+17	2170 N Beverly Glen Blvd		SFR	2	289.7	67.5								68	72	No	33	35	No
V-6-473	SB	809+93	2172 N Beverly Glen Blvd		SFR	2	285.6	67.5								68	72	No	33	35	No
V-6-474	SB	810+10	2176 N Beverly Glen Blvd		SFR	2	283.6	67.5								68	72	No	33	35	No
V-6-475	SB	810+41	2178 N Beverly Glen Blvd		SFR	2	274.2	67.5								68	72	No	33	35	No
V-6-476	SB	810+65	2180 N Beverly Glen Blvd		SFR	2	298.4	67.5								68	72	No	33	35	No
V-6-477	SB	810+72	2188 Beverly Glen Pl		SFR	2	316.1	67.5								68	72	No	33	35	No
V-6-478	SB	811+05	2184 N Beverly Glen Blvd		SFR	2	283.2	67.5								68	72	No	33	35	No
V-6-479	SB	811+49	2190 N Beverly Glen Blvd		SFR	2	284.1	67.5								68	72	No	33	35	No
V-6-480	NB	811+59	10290 Seabury Ln		SFR	2	346.3	67.5								67	72	No	32	35	No
V-6-481	SB	811+62	10312 Seabury Ln		SFR	2	284.7	67.5								68	72	No	33	35	No
V-6-482	SB	812+00	10310 Seabury Ln		SFR	2	284.0	67.5								68	72	No	33	35	No
V-6-483	NB	812+20	10306 Seabury Ln		SFR	2	295.6	67.5								68	72	No	33	35	No
V-6-484	NB	813+00	10309 Seabury		SFR	2	296.2	67.5								68	72	No	33	35	No
V-6-485	NB	813+15	10305 Seabury Ln		SFR	2	313.2	67.5								68	72	No	33	35	No
V-6-486	NB	812+97	10211 Seabury Ln		SFR	2	378.5	67.5								67	72	No	32	35	No
V-6-487	SB	811+76	2198 Beverly Glen Pl		SFR	2	304.9	67.5								68	72	No	33	35	No
V-6-488	SB	812+85	2202 Beverly Glen Pl		SFR	2	303.6	67.5								68	72	No	33	35	No
V-6-489	SB	813+13	2208 Pointer Ln		SFR	2	288.2	67.5								68	72	No	33	35	No
V-6-490	SB	813+55	2210 Beverly Glen Pl		SFR	2	292.2	67.5								68	72	No	33	35	No
V-6-491	SB	813+58	2211 Pointer Ln		SFR	2	295.2	67.5								68	72	No	33	35	No
V-6-492	SB	813+98	2220 Beverly Glen Pl		SFR	2	303.4	67.5								68	72	No	33	35	No
V-6-493	SB	814+26	2227 N Beverly Glen Blvd		SFR	2	288.7	67.5								68	72	No	33	35	No
V-6-494	SB	815+63	2230 Beverly Glen Pl		SFR	2	281.4	67.5								68	72	No	33	35	No
V-6-495	SB	815+86	2238 Beverly Glen Pl		SFR	2	289.8	67.5								68	72	No	33	35	No
V-6-496	SB	816+43	2242 Beverly Glen Pl		SFR	2	288.1	67.5								68	72	No	33	35	No
V-6-497	NB	816+43	2280 N Beverly Glen Blvd		SFR	2	312.0	67.5								68	72	No	33	35	No
V-6-498	SB	816+92	2244 Beverly Glen Pl		SFR	2	283.2	67.5								68	72	No	33	35	No
V-6-499	NB	817+64	2300 N Beverly Glen Blvd		SFR	2	320.1	67.5								68	72	No	33	35	No
V-6-500	NB	818+17	2320 N Beverly Glen Blvd		SFR	2	320.9	67.5								68	72	No	33	35	No
V-6-501	SB	818+18	2258 Beverly Glen Pl	**Seabury Ln to Ruthven Ln**	SFR	2	288.2	67.5								68	72	No	33	35	No
V-6-502	SB	818+71	2260 Beverly Glen Pl		SFR	2	284.7	67.5								68	72	No	33	35	No
V-6-503	SB	818+92	2262 Beverly Glen Pl		SFR	2	283.0	67.5								68	72	No	33	35	No
V-6-504	SB	819+62	2269 Beverly Glen Pl		SFR	2	332.3	67.5								68	72	No	33	35	No
V-6-505	SB	819+99	2264 Beverly Glen Pl		SFR	2	286.2	67.5								68	72	No	33	35	No
V-6-506	SB	820+11	2301 Bushrod Ln		SFR	2	330.5	67.5								68	72	No	33	35	No
V-6-507	SB	820+54	2304 Bushrod Ln		SFR	2	304.8	67.5								68	72	No	33	35	No
V-6-508	NB	819+60	2337 N Beverly Glen Blvd		SFR	2	308.3	67.5								68	72	No	33	35	No
V-6-509	NB	820+10	2343 N Beverly Glen Blvd		SFR	2	309.4	67.5								68	72	No	33	35	No
V-6-510	NB	820+47	2347 N Beverly Glen Blvd		SFR	2	306.8	67.5								68	72	No	33	35	No
V-6-511	NB	820+68	2358 N Beverly Glen Blvd		SFR	2	399.2	67.5								67	72	No	32	35	No
V-6-512	NB	821+00	2355 N Beverly Glen Blvd		SFR	2	305.8	67.5								68	72	No	33	35	No
V-6-513	NB	821+27	2366 N Beverly Glen Blvd		SFR	2	376.0	67.5								67	72	No	32	35	No
V-6-514	NB	821+51	2367 N Beverly Glen Blvd		SFR	2	324.9	67.5								68	72	No	33	35	No
V-6-515	NB	822+16	10404 Ruthven Ln		SFR	2	349.7	67.5								67	72	No	32	35	No
V-6-516	NB	822+17	2377 N Beverly Glen Blvd		SFR	2	343.6	67.5								67	72	No	32	35	No
V-6-517	SB	822+06	10430 Ruthven Ln		SFR	2	411.4	67.5								67	72	No	32	35	No
V-6-518	SB	823+32	10410 Ruthven Ln		SFR	2	417.8	67.5								67	72	No	32	35	No
V-6-519	SB	896+49	14690 Mulholland Dr	**Ruthven Ln to Mulholland Drive**	SFR	2	733.9	67.5								65	72	No	30	35	No
V-6-520	SB	896+65	14700 Mulholland Dr		SFR	2	761.1	67.5								65	72	No	30	35	No

Land Use Abbreviations - SFR=Single-Family Residence, MFR=Multi-Family Residential

Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-521	SB	894+63	14710 Mulholland Dr	Ruthven Ln to Mulholland Drive	SFR	2	753.3	67.5								65	72	No	30	35	No
V-6-522	SB	899+50	14637 Mulholland Dr	Mulholland Drive To Beverly Glen Blvd	SFR	2	677.2	67.5								65	72	No	30	35	No
V-6-523	SB	900+49	14655 Mulholland Dr		SFR	2	702.4	67.5								65	72	No	30	35	No
V-6-524	NB	899+55	14621 Mulholland Dr		SFR	2	666.8	67.5								65	72	No	30	35	No
V-6-525	NB	900+13	14601 Mulholland Dr		SFR	2	651.6	67.5								65	72	No	30	35	No
V-6-526	SB	905+24	3555 Beverly Glen Terrace		SFR	2	539.0	67.5								66	72	No	31	35	No
V-6-527	SB	904+12	3545 Beverly Glen Terrace		SFR	2	523.3	67.5								66	72	No	31	35	No
V-6-528	NB	904+15	3535 Beverly Glen Terrace		SFR	2	509.2	67.5								66	72	No	31	35	No
V-6-529	NB	906+43	3542 Beverly Glen Blvd		SFR	2	460.1	67.5								66	72	No	31	35	No
V-6-530	NB	906+83	3532 Beverly Glen Blvd		SFR	2	479.8	67.5								66	72	No	31	35	No
V-6-531	SB	908+67	3558 Beverly Glen Blvd		SFR	2	435.9	67.5								67	72	No	32	35	No
V-6-532	NB	908+46	3531 Summerfield Dr		SFR	2	399.6	67.5								67	72	No	32	35	No
V-6-533	NB	909+34	3533 Summerfield Dr		SFR	2	376.1	67.5								67	72	No	32	35	No
V-6-534	NB	909+69	3527 Summerfield Dr		SFR	2	398.4	67.5								67	72	No	32	35	No
V-6-535	NB	910+63	3530 Summerfield Dr		SFR	2	396.6	67.5								67	72	No	32	35	No
V-6-536	NB	910+56	3534 Summerfield Dr		SFR	2	376.5	67.5								67	72	No	32	35	No
V-6-537	NB	910+74	3540 Summerfield Dr		SFR	2	360.5	67.5								67	72	No	32	35	No
V-6-538	NB	909+52	3539 Summerfield Dr		SFR	2	363.9	67.5								67	72	No	32	35	No
V-6-539	SB	910+05	3547 Summerfield Dr		SFR	2	360.1	67.5								67	72	No	32	35	No
V-6-540	SB	910+44	3553 Summerfield Dr		SFR	2	362.7	67.5								67	72	No	32	35	No
V-6-541	SB	911+30	3552 Knobhill Dr		SFR	2	377.0	67.5								67	72	No	32	35	No
V-6-542	SB	911+41	3552 Summerfield Dr		SFR	2	352.8	67.5								67	72	No	32	35	No
V-6-543	SB	912+24	3564 Summerfield Dr		SFR	2	336.9	67.5								67	72	No	32	35	No
V-6-544	SB	912+94	3572 Summerfield Dr		SFR	2	331.2	67.5								68	72	No	33	35	No
V-6-545	SB	913+44	3559 Knobhill Dr		SFR	2	349.0	67.5								67	72	No	32	35	No
V-6-546	SB	914+04	3565 Knobhill Dr		SFR	2	330.6	67.5								68	72	No	33	35	No
V-6-547	NB	913+02	3587 Knobhill Dr		SFR	2	318.8	67.5								68	72	No	33	35	No
V-6-548	NB	913+60	3597 Knobhill Dr		SFR	2	311.9	67.5								68	72	No	33	35	No
V-6-549	SB	914+30	3601 Knobhill Dr		SFR	2	308.2	67.5								68	72	No	33	35	No
V-6-550	SB	915+25	3620 Longview Valley Rd		SFR	2	287.9	67.5								68	72	No	33	35	No
V-6-551	SB	916+02	3624 Longview Valley Rd		SFR	2	275.9	67.5								68	72	No	33	35	No
V-6-552	SB	916+44	3627 Longview Valley Rd		SFR	2	324.9	67.5								68	72	No	33	35	No
V-6-553	SB	916+64	3630 Longview Valley Rd		SFR	2	271.9	67.5								68	72	No	33	35	No
V-6-554	SB	917+01	3633 Longview Valley Rd		SFR	2	303.9	67.5								68	72	No	33	35	No
V-6-555	SB	916+93	3636 Longview Valley Rd		SFR	2	269.6	67.5								68	72	No	33	35	No
V-6-556	SB	917+64	3639 Longview Valley Rd		SFR	2	296.1	67.5								68	72	No	33	35	No
V-6-557	SB	918+03	3642 Longview Valley Rd		SFR	2	266.2	67.5								68	72	No	33	35	No
V-6-558	SB	918+46	3645 Longview Valley Rd		SFR	2	287.7	67.5								68	72	No	33	35	No
V-6-559	SB	918+85	3650 Longview Valley Rd		SFR	2	258.3	67.5								68	72	No	33	35	No
V-6-560	SB	919+00	3660 Longview Valley Rd		SFR	2	252.1	67.5								69	72	No	34	35	No
V-6-561	SB	919+20	3655 Longview Valley Rd		SFR	2	272.2	67.5								68	72	No	33	35	No
V-6-562	SB	919+95	3661 Longview Valley Rd		SFR	2	258.1	67.5								68	72	No	33	35	No
V-6-563	NB	920+00	3674 Longview Valley Rd	Mulholland Drive To Beverly Glen Blvd	SFR	2	251.1	67.5								69	72	No	34	35	No
V-6-564	SB	920+74	3675 Longview Valley Rd		SFR	2	252.4	67.5								69	72	No	34	35	No
V-6-565	NB	920+42	3682 Longview Valley Rd		SFR	2	249.3	67.5								69	72	No	34	35	No
V-6-566	SB	921+48	3683 Longview Valley Rd		SFR	2	249.8	67.5								69	72	No	34	35	No
V-6-567	NB	921+06	3700 Longview Valley Rd		SFR	2	239.9	67.5								69	72	No	34	35	No
V-6-568	SB	922+00	3701 Longview Valley Rd		SFR	2	240.1	67.5								69	72	No	34	35	No
V-6-569	NB	921+89	3708 Longview Valley Rd		SFR	2	240.6	67.5								69	72	No	34	35	No
V-6-570	NB	922+10	3709 Longview Valley Rd		SFR	2	236.1	67.5								69	72	No	34	35	No
V-6-571	NB	922+54	3716 Longview Valley Rd		SFR	2	243.5	67.5								69	72	No	34	35	No
V-6-572	NB	923+08	3717 Longview Valley Rd		SFR	2	230.6	67.5								69	72	No	34	35	No
V-6-573	NB	923+64	3727 Longview Valley Rd		SFR	2	226.4	67.5								69	72	No	34	35	No
V-6-574	NB	924+52	3737 Longview Valley Rd		SFR	2	223.6	67.5								69	72	No	34	35	No
V-6-575	NB	925+32	3745 Longview Valley Rd		SFR	2	226.8	67.5								69	72	No	34	35	No
V-6-576	NB	925+96	3751 Longview Valley Rd		SFR	2	230.2	67.5								69	72	No	34	35	No
V-6-577	NB	926+61	3759 Longview Valley Rd		SFR	2	223.5	67.5								69	72	No	34	35	No
V-6-578	NB	927+23	3765 Longview Valley Rd		SFR	2	230.1	67.5								69	72	No	34	35	No
V-6-579	NB	927+97	3760 Longview Valley Rd		SFR	2	285.9	67.5								68	72	No	33	35	No
V-6-580	NB	928+00	3771 Longview Valley Rd		SFR	2	224.0	67.5								69	72	No	34	35	No
V-6-581	NB	928+81	3804 Longview Valley Rd		SFR	2	266.9	67.5								68	72	No	33	35	No
V-6-582	NB	928+97	3801 Longview Valley Rd		SFR	2	217.2	67.5								69	72	No	34	35	No
V-6-583	NB	929+53	3809 Longview Valley Rd		SFR	2	220.7	67.5								69	72	No	34	35	No

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Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-584	NB	929+70	3812 Longview Valley Rd	Mulholland Drive To Beverly Glen Blvd	SFR	2	271.3	67.5								68	72	No	33	35	No
V-6-585	NB	930+44	3819 Longview Valley Rd		SFR	2	221.7	67.5								69	72	No	34	35	No
V-6-586	NB	931+21	3827 Longview Valley Rd		SFR	2	224.5	67.5								69	72	No	34	35	No
V-6-587	NB	932+03	3835 Longview Valley Rd		SFR	2	232.8	67.5								69	72	No	34	35	No
V-6-588	NB	932+67	3843 Longview Valley Rd		SFR	2	224.4	67.5								69	72	No	34	35	No
V-6-589	NB	933+32	3901 Longview Valley Rd		SFR	2	279.7	67.5								68	72	No	33	35	No
V-6-590	NB	933+93	3909 Longview Valley Rd		SFR	2	280.2	67.5								68	72	No	33	35	No
V-6-591	NB	934+59	3915 Longview Valley Rd		SFR	2	277.3	67.5								68	72	No	33	35	No
V-6-592	NB	935+52	3823 Longview Valley Rd		SFR	2	297.3	67.5								68	72	No	33	35	No
V-6-593	SB	932+00	3823 Beverly Glen Blvd	Beverly Glen Blvd to Valley Vista Blvd	SFR	2	247.1	67.5								69	72	No	34	35	No
V-6-594	NB	932+25	3907 Sumac Dr		SFR	2	221.2	67.5								69	72	No	34	35	No
V-6-595	SB	933+40	3915 Sumac Dr		SFR	2	229.8	67.5								69	72	No	34	35	No
V-6-596	SB	934+00	3910 Sumac Dr		SFR	2	208.1	67.5								69	72	No	34	35	No
V-6-597	SB	934+45	3937 Sumac Dr		SFR	2	269.9	67.5								68	72	No	33	35	No
V-6-598	NB	934+50	3915 Beverly Glen Blvd		SFR	2	208.3	67.5								69	72	No	34	35	No
V-6-599	SB	935+24	3941 Sumac Dr		SFR	2	248.2	67.5								69	72	No	34	35	No
V-6-600	SB	935+48	3945 Sumac Dr		SFR	2	256.2	67.5								68	72	No	33	35	No
V-6-601	SB	935+50	3938 Sumac Dr		SFR	2	218.8	67.5								69	72	No	34	35	No
V-6-602	NB	935+43	3921 Beverly Glen Blvd, Sherman Oaks		SFR	2	193.1	67.5								69	72	No	34	35	No
V-6-603	NB	935+97	3929 Beverly Glen Blvd, Sherman Oaks		SFR	2	201.0	67.5								69	72	No	34	35	No
V-6-604	SB	936+11	3947 Sumac Dr		SFR	2	260.4	67.5								68	72	No	33	35	No
V-6-605	SB	936+74	3951 Sumac Dr		SFR	2	266.4	67.5								68	72	No	33	35	No
V-6-606	SB	936+93	3948 Sumac Dr		SFR	2	243.9	67.5								69	72	No	34	35	No
V-6-607	SB	937+43	3964 Sumac Dr		SFR	2	253.3	67.5								69	72	No	34	35	No
V-6-608	SB	938+17	4008 Sumac Dr		SFR	2	263.5	67.5								68	72	No	33	35	No
V-6-609	SB	938+87	4012 Sumac Dr		SFR	2	275.4	67.5								68	72	No	33	35	No
V-6-610	SB	939+84	4020 Sumac Dr		SFR	2	289.5	67.5								68	72	No	33	35	No
V-6-611	SB	940+39	4030 Sumac Dr		SFR	2	303.5	67.5								68	72	No	33	35	No
V-6-612	SB	941+48	4038 Sumac Dr		SFR	2	299.0	67.5								68	72	No	33	35	No
V-6-613	SB	942+34	4048 Sumac Dr		SFR	2	277.3	67.5								68	72	No	33	35	No
V-6-614	SB	943+18	4060 Sumac Dr		SFR	2	249.7	67.5								69	72	No	34	35	No
V-6-615	SB	943+63	4100 Sumac Dr		SFR	2	241.1	67.5								69	72	No	34	35	No
V-6-616	SB	944+03	4097 Deervale Dr		SFR	2	279.5	67.5								68	72	No	33	35	No
V-6-617	SB	944+44	4106 Sumac Dr		SFR	2	240.4	67.5								69	72	No	34	35	No
V-6-618	SB	945+15	4116 Sumac Dr		SFR	2	235.7	67.5								69	72	No	34	35	No
V-6-619	SB	945+76	4130 Sumac Dr		SFR	2	234.5	67.5								69	72	No	34	35	No
V-6-620	NB	936+69	3937 Beverly Glen Blvd, Sherman Oaks		SFR	2	194.7	67.5								69	72	No	34	35	No
V-6-621	NB	937+87	4001 Knobhill Dr		SFR	2	168.2	67.5				Y				65	72	No	15	35	No
V-6-622	NB	938+50	4007 Knobhill Dr		SFR	2	182.3	67.5				Y				65	72	No	15	35	No
V-6-623	NB	939+26	4008 Knobhill Dr		SFR	2	188.0	67.5				Y				65	72	No	15	35	No
V-6-624	NB	939+25	4015 Knobhill Dr		SFR	2	172.7	67.5				Y				65	72	No	15	35	No
V-6-625	NB	940+00	4021 Knobhill Dr		SFR	2	179.1	67.0				Y				65	72	No	15	35	No
V-6-626	NB	939+72	4020 Knobhill Dr		SFR	2	184.9	67.0				Y				65	72	No	15	35	No
V-6-627	NB	940+40	4031 Knobhill Dr		SFR	2	181.3	66.0				Y				65	72	No	15	35	No
V-6-628	NB	940+89	4028 Knobhill Dr		SFR	2	181.6	65.5								69	72	No	34	35	No
V-6-629	SB	941+48	4038 Sumac Dr		SFR	2	304.3	67.5								68	72	No	33	35	No
V-6-630	SB	942+00	4041 Knobhill Dr		SFR	2	188.1	67.5				Y				65	72	No	15	35	No
V-6-631	SB	942+73	4051 Knobhill Dr		SFR	2	188.7	67.5				Y				65	72	No	15	35	No
V-6-632	NB	942+31	4044 Knobhill Dr		SFR	2	184.1	62.0								69	72	No	34	35	No
V-6-633	NB	942+60	4050 Knobhill Dr		SFR	2	189.0	62.0								69	72	No	34	35	No
V-6-634	NB	943+26	4058 Knobhill Dr		SFR	2	199.6	60.0								68	72	No	33	35	No
V-6-635	NB	943+00	4059 Knobhill Dr		SFR	2	194.6	61.0								69	72	No	34	35	No
V-6-636	NB	944+19	4101 Knobhill Dr		SFR	2	190.8	58.0								68	72	No	33	35	No
V-6-637	NB	944+04	4064 Knobhill Dr		SFR	2	217.5	59.0								68	72	No	33	35	No
V-6-638	NB	944+69	4108 Knobhill Dr		SFR	2	223.7	57.0								67	72	No	32	35	No
V-6-639	NB	944+59	4111 Knobhill Dr		SFR	2	192.6	56.5								68	72	No	33	35	No
V-6-640	NB	945+46	4112 Knobhill Dr		SFR	2	248.4	54.0								67	72	No	32	35	No
V-6-641	NB	945+12	4115 Knobhill Dr		SFR	2	198.7	54.0								67	72	No	32	35	No
V-6-642	NB	946+32	4129 Knobhill Dr		SFR	2	230.8	51.0								66	72	No	31	35	No
V-6-643	NB	947+65	4141 Knobhill Dr		SFR	2	212.9	48.0								66	72	No	31	35	No
V-6-644	SB	946+92	14500 Round Valley Dr		SFR	2	190.6	67.5				Y				65	72	No	15	35	No
V-6-645	SB	945+50	14528 Round Valley Dr		SFR	2	269.4	67.5								68	72	No	33	35	No
V-6-646	SB	946+47	14521 Round Valley Dr	Beverly Glen Blvd to Valley Vista Blvd	SFR	2	246.1	67.5								69	72	No	34	35	No

Land Use Abbreviations - SFR=Single-Family Residence, MFR=Multi-Family Residential

Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-647	SB	947+52	14505 Round Valley Dr	Beverly Glen Blvd to Valley Vista Blvd	SFR	2	230.3	67.5								69	72	No	34	35	No
V-6-648	SB	948+07	4173 Knobhill Dr		SFR	2	209.6	67.5								69	72	No	34	35	No
V-6-649	SB	948+98	4177 Knobhill Dr		SFR	2	184.3	67.5				Y				65	72	No	15	35	No
V-6-650	SB	948+47	4178 Knobhill Dr		SFR	2	163.5	67.5				Y				65	72	No	15	35	No
V-6-651	SB	948+70	4184 Knobhill Dr		SFR	2	149.4	67.5				Y				65	72	No	15	35	No
V-6-652	SB	949+00	4164 Knobhill Dr		SFR	2	185.9	67.5				Y				65	72	No	15	35	No
V-6-653	SB	949+50	4188 Knobhill Dr		SFR	2	141.8	67.5				Y				66	72	No	16	35	No
V-6-654	SB	949+66	4185 Knobhill Dr		SFR	2	155.6	67.5				Y				65	72	No	15	35	No
V-6-655	NB	949+23	4150 Knobhill Dr		SFR	2	245.8	47.5								66	72	No	31	35	No
V-6-656	NB	949+33	4156 Knobhill Dr		SFR	2	198.1	47.5								66	72	No	31	35	No
V-6-657	SB	950+10	4187 Knobhill Dr		SFR	2	142.1	67.5				Y				66	72	No	16	35	No
V-6-658	SB	950+24	4190 Knobhill Dr		SFR	2	152.4	67.5				Y				65	72	No	15	35	No
V-6-659	SB	950+25	4191 Knobhill Dr		SFR	2	136.2	67.5				Y				66	72	No	16	35	No
V-6-660	NB	950+92	14432 Valley Vista Blvd, Sherman Oaks		SFR	2	181.5	47.5								67	72	No	32	35	No
V-6-661	SB	951+14	14440 Valley Vista Blvd, Sherman Oaks		SFR	2	159.6	67.5				Y				65	72	No	15	35	No
V-6-662	SB	951+29	14448 Valley Vista Blvd, Sherman Oaks		SFR	2	128.7	67.5				Y				66	72	No	16	35	No
V-6-663	SB	951+60	14452 Valley Vista Blvd, Sherman Oaks		SFR	2	128.9	67.5				Y				66	72	No	16	35	No
V-6-664	SB	951+75	14458 Valley Vista Blvd, Sherman Oaks		SFR	2	149.7	67.5				Y				65	72	No	15	35	No
V-6-665	SB	952+37	14466 Valley Vista Blvd, Sherman Oaks		SFR	2	181.3	67.5				Y				65	72	No	15	35	No
V-6-666	NB	952+62	14445 Valley Vista Blvd, Sherman Oaks		SFR	2	117.2	67.5				Y				66	72	No	16	35	No
V-6-667	NB	952+97	14432 Dunbar Pl, Sherman Oaks		SFR	2	210.4	47.0								66	72	No	31	35	No
V-6-668	SB	953+43	14440 Dunbar Pl, Sherman Oaks		SFR	2	183.0	67.5				Y				65	72	No	15	35	No
V-6-669	SB	953+55	14444 Dunbar Pl, Sherman Oaks		SFR	2	130.2	67.5				Y				66	72	No	16	35	No
V-6-670	SB	954+00	14454 Dunbar Pl, Sherman Oaks		SFR	2	103.9	67.5				Y				67	72	No	17	35	No
V-6-671	SB	954+00	14460 Dunbar Pl, Sherman Oaks		SFR	2	106.1	67.5				Y				67	72	No	17	35	No
V-6-672	SB	954+04	14468 Dunbar Pl, Sherman Oaks		SFR	2	130.0	67.5				Y				66	72	No	16	35	No
V-6-673	SB	954+64	14474 Dunbar Pl, Sherman Oaks		SFR	2	173.4	67.5				Y				65	72	No	15	35	No
V-6-674	NB	954+77	14441 Dunbar Pl, Sherman Oaks		SFR	2	207.2	67.5								69	72	No	34	35	No
V-6-675	SB	955+04	14447 Dunbar Pl, Sherman Oaks		SFR	2	146.8	67.5				Y				65	72	No	15	35	No
V-6-676	SB	955+20	14455 Dunbar Pl, Sherman Oaks		SFR	2	109.0	67.5				Y				67	72	No	17	35	No
V-6-677	SB	955+42	14461 Dunbar Pl, Sherman Oaks		SFR	2	98.3	67.5				Y				67	72	No	17	35	No
V-6-678	SB	955+79	14467 Dunbar Pl, Sherman Oaks		SFR	2	102.4	67.5				Y				67	72	No	17	35	No
V-6-679	SB	956+47	14475 Dunbar Pl, Sherman Oaks		SFR	2	155.3	67.5				Y				65	72	No	15	35	No
V-6-680	NB	955+79	14438 Greenleaf St, Sherman Oaks		SFR	2	213.3	42.5								65	72	No	30	35	No
V-6-681	NB	956+33	14444 Greenleaf St, Sherman Oaks		SFR	2	176.0	42.5								66	72	No	31	35	No
V-6-682	SB	956+58	14450 Greenleaf St, Sherman Oaks		SFR	2	165.9	67.5				Y				65	72	No	15	35	No
V-6-683	SB	956+40	14452 Greenleaf St, Sherman Oaks		SFR	2	127.4	67.5				Y				66	72	No	16	35	No
V-6-684	SB	956+78	14458 Greenleaf St, Sherman Oaks		SFR	2	101.3	67.5				Y				67	72	No	17	35	No
V-6-685	SB	957+00	14462 Greenleaf St, Sherman Oaks		SFR	2	92.5	67.5				Y				67	72	No	17	35	No
V-6-686	SB	957+45	14466 Greenleaf St, Sherman Oaks		SFR	2	90.6	67.0				Y				67	72	No	17	35	No
V-6-687	SB	957+50	14472 Greenleaf St, Sherman Oaks	**Valley Vista Blvd to**	SFR	2	104.9	67.0				Y				67	72	No	17	35	No
V-6-688	SB	957+59	4242 Van Nuys Blvd, Sherman Oaks	**Ventura Blvd/Van Nuys Blvd Station Entrance**	SFR	2	140.9	66.5				Y				65	72	No	15	35	No
V-6-689	NB	957+77	14443 Greenleaf St, Sherman Oaks		SFR	2	201.5	42.5								65	72	No	30	35	No
V-6-690	NB	957+87	14447 Greenleaf St, Sherman Oaks		SFR	2	158.4	42.5								66	72	No	31	35	No
V-6-691	SB	958+21	Mosaic Audio 14451 Greenleaf St, Sherman Oaks		Recording Studio	Special Bldg.	149.4	65.5						Y		60	65	No	10	25	No
V-6-692	SB	958+30	14459 Greenleaf St, Sherman Oaks		SFR	2	114.1	65.5				Y				66	72	No	16	35	No
V-6-693	SB	958+43	14463 Greenleaf St, Sherman Oaks		SFR	2	91.1	65.5				Y				67	72	No	17	35	No
V-6-694	SB	959+00	14469 Greenleaf St, Sherman Oaks		SFR	2	88.5	65.5				Y				67	72	No	17	35	No
V-6-695	SB	959+02	14475 Greenleaf St, Sherman Oaks		SFR	2	91.8	65.5				Y				67	72	No	17	35	No
V-6-696	SB	959+21	14479 Greenleaf St, Sherman Oaks		SFR	2	113.5	64.5				Y				66	72	No	16	35	No
V-6-697	SB	960+26	Temple B'Nai Hayim Children's Center 4276 Van Nuys Blvd, Sherman Oaks		Institutional	3	84.5	63.0								72	75	No	37	40	No
V-6-698	SB	961+14	4265 Van Nuys Blvd, Sherman Oaks		MFR	2	191.1	61.5								69	72	No	34	35	No
V-6-699	SB	959+78	14468 Benefit St, Sherman Oaks		MFR	2	84.5	64.5				Y				67	72	No	17	35	No
V-6-700	SB	960+03	14464 Benefit St, Sherman Oaks		MFR	2	100.1	64.5				Y				66	72	No	16	35	No
V-6-701	SB	959+56	14458 Benefit St, Sherman Oaks		MFR	2	130.3	64.5				Y				66	72	No	16	35	No
V-6-702	SB	959+45	14450 Benefit St, Sherman Oaks		MFR	2	169.6	64.5				Y				65	72	No	15	35	No
V-6-703	NB	959+15	14448 Benefit St, Sherman Oaks		MFR	2	175.7	42.5								66	72	No	31	35	No
V-6-704	NB	959+04	14444 Benefit St, Sherman Oaks		MFR	2	221.0	42.5								65	72	No	30	35	No
V-6-705	NB	961+06	14449 Benefit St, Sherman Oaks		MFR	2	210.4	42.5								65	72	No	30	35	No
V-6-706	NB	961+25	14451 Benefit St, Sherman Oaks		MFR	2	172.9	42.5								66	72	No	31	35	No
V-6-707	SB	961+59	14459 Benefit St, Sherman Oaks		MFR	2	119.4	60.0				Y				65	72	No	15	35	No

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Sepulveda Transit Corridor
HTA Alternative 6
Groundborne Vibration and Noise Assessment

Receptor Location ID	Train Travel Direction	Alignment Station	Location Address/Description	City Block	Land Use Type	FTA Category	Distance to Track (ft)	Vehicle Speed (mph)	Distance to Crossover		Behind Station Structure?	Vibration Dampening Application				Calculated Vibration Level (VdB)	Vibration Impact Criterion (VdB)	Groundborne Vibration Impact?	Groundborne Noise Level (dBA)	GBN Criterion (dBA)	Groundborne Noise Impact?
									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-708	SB	962+54	Temple B'nai Hayim 4302 Van Nuys Blvd, Sherman Oaks	**Valley Vista Blvd to Ventura Blvd/Van Nuys Blvd Station Entrance**	Religious	3	80.5	58.5								71	75	No	36	40	No
V-6-709	SB	962+78	4301-4309 Van Nuys Blvd, Sherman Oaks		MFR	2	162.3	58.0								69	72	No	34	35	No
V-6-710	SB	963+68	4313 Van Nuys Blvd, Sherman Oaks		MFR	2	150.4	57.0								69	72	No	34	35	No
V-6-711	SB	964+54	4329 Van Nuys Blvd, Sherman Oaks		MFR	2	132.1	54.0		Y		Y				69	72	No	19	35	No
V-6-712	SB	963+87	4320 Van Nuys Blvd, Sherman Oaks		MFR	2	76.5	57.0		Y				Y		66	72	No	16	35	No
V-6-713	SB	964+40	4328 Van Nuys Blvd, Sherman Oaks		Medical	3	76.5	54.0		Y		Y				71	75	No	21	40	No
V-6-714	NB	962+57	14464 Dickens St, Sherman Oaks	**Valley Vista Blvd to Ventura Blvd/Van Nuys Blvd Station Entrance**	MFR	2	106.3	42.5								68	72	No	33	35	No
V-6-715	NB	962+98	14460 Dickens St, Sherman Oaks		MFR	2	110.8	42.5								67	72	No	32	35	No
V-6-716	NB	962+92	14458 Dickens St, Sherman Oaks		MFR	2	152.5	42.5								66	72	No	31	35	No
V-6-717	NB	962+83	14454 Dickens St, Sherman Oaks		MFR	2	193.7	42.5								65	72	No	30	35	No
V-6-718	NB	964+53	14455 Dickens St, Sherman Oaks		MFR	2	177.5	42.5		Y		Y				66	72	No	16	35	No
V-6-719	NB	964+68	14461 Dickens St, Sherman Oaks		MFR	2	133.7	42.5		Y		Y				67	72	No	17	35	No
V-6-720	SB	966+50	14515 Dickens St, Sherman Oaks		MFR/Mixed	2	92.0	48.0		Y	Y					69	72	No	34	35	No
	964+82	978+85	**Ventura Blvd/Van Nuys Blvd Station**																		
V-6-721	SB	972+68	4440 Vista Del Monte Ave, Sherman Oaks	**Ventura Blvd/Van Nuys Blvd Station Entrance to State Route 101**	MFR	2	192.1	20.0			Y					54	72	No	19	35	No
V-6-722	SB	977+27	Kandoo Films Inc 4515 Van Nuys Blvd, Sherman Oaks		Film Production	Special Bldg.	75.9	38.0			Y	Y				58	65	No	8	25	No
V-6-723	SB	977+50	4514 Vista Del Monte Ave, Sherman Oaks		MFR	2	191.5	36.0			Y					59	72	No	24	35	No
V-6-724	SB	981+49	4556 Vista Del Monte Ave, Sherman Oaks		MFR	2	190.2	42.5								66	72	No	31	35	No
V-6-725	SB	984+00	BeatBox Pros Studios 4617 Van Nuys Blvd, Sherman Oaks		Recording Studio	Special Bldg.	78.6	42.5						Y		59	65	No	9	25	No
V-6-726	NB	984+84	Edison Technical College 4630 Van Nuys Blvd, Sherman Oaks		Institutional	3	79.8	62.0								72	75	No	37	40	No
V-6-727	SB	985+26	Arthur Murray Dance Studio 4633 Van Nuys Blvd, Sherman Oaks		Dance School	3	80.4	42.5								69	75	No	34	40	No
V-6-728	NB	985+78	Helen Gordon Studios + Joe Anthony Studios 4634 Van Nuys Blvd, Sherman Oaks		Acting Schools	3	81.6	63.0								72	75	No	37	40	No
V-6-729	NB	983+87	4617 Tilden Ave, Sherman Oaks		MFR	2	174.3	60.0								69	72	No	34	35	No
V-6-730	NB	985+98	4637 Tilden Ave, Sherman Oaks		MFR	2	172.0	64.0								69	72	No	34	35	No
V-6-731	SB	982+62	4608 Vista Del Monte Ave, Sherman Oaks		MFR	2	192.1	42.5								65	72	No	30	35	No
V-6-732	SB	986+72	4632 Vista Del Monte Ave, Sherman Oaks		MFR	2	194.4	42.5								65	72	No	30	35	No
V-6-733	SB	987+59	4708 Vista Del Monte Ave, Sherman Oaks		MFR	2	204.0	42.5								65	72	No	30	35	No
V-6-734	NB	995+88	4836 Van Nuys Blvd, Sherman Oaks	**State Route 101 to Magnolia Blvd**	Medical	3	95.3	67.5								72	75	No	37	40	No
V-6-735	NB	998+13	4858 Van Nuys Blvd, Sherman Oaks		Medical	3	95.5	67.5								72	75	No	37	40	No
V-6-736	NB	994+23	14435 Riverside Dr, Sherman Oaks		SFR	2	197.2	67.5								69	72	No	34	35	No
V-6-737	NB	995+59	4827 Tilden Ave, Sherman Oaks		SFR	2	195.5	67.5								69	72	No	34	35	No
V-6-738	NB	996+57	4837 Tilden Ave, Sherman Oaks		SFR	2	223.0	67.5								69	72	No	34	35	No
V-6-739	NB	998+17	4857 Tilden Ave, Sherman Oaks		SFR	2	205.6	67.5								69	72	No	34	35	No
V-6-740	SB	995+13	4835 Van Nuys Blvd, Sherman Oaks		Medical	3	98.6	53.0								70	75	No	35	40	No
V-6-741	SB	997+26	4849 Van Nuys Blvd, Sherman Oaks		Medical	3	98.7	58.0								71	75	No	36	40	No
V-6-742	NB	1000+69	4910 Van Nuys Blvd, Sherman Oaks		Medical	3	97.2	67.5								72	75	No	37	40	No
V-6-743	SB	999+52	4911 Van Nuys Blvd, Sherman Oaks		Hospital	2	96.4	64.0				Y				67	72	No	17	35	No
V-6-744	NB	1002+09	4920 Van Nuys Blvd, Sherman Oaks		MFR	2	97.4	67.5				Y				67	72	No	17	35	No
V-6-745	SB	1002+34	4929 Van Nuys Blvd, Sherman Oaks		Medical	3	94.7	67.5								72	75	No	37	40	No
V-6-746	NB	1003+73	4940 Van Nuys Blvd, Sherman Oaks		Medical	3	95.3	67.5								72	75	No	37	40	No
V-6-747	SB	1003+48	4955 Van Nuys Blvd, Sherman Oaks		Medical	3	92.4	67.5								72	75	No	37	40	No
V-6-748	NB	1007+29	5003 Tilden Ave, Sherman Oaks		MFR	2	199.7	67.5								69	72	No	34	35	No
V-6-749	NB	1008+81	5023 Tilden Ave, Sherman Oaks		MFR	2	199.6	67.5								69	72	No	34	35	No
V-6-750	SB	1006+26	14521 Addison St, Sherman Oaks		SFR	2	198.2	67.5								69	72	No	34	35	No
V-6-751	SB	1007+81	14520 Hesby St, Sherman Oaks		MFR	2	232.9	67.5								69	72	No	34	35	No
V-6-752	SB	1010+03	14517 Hesby St, Sherman Oaks		SFR	2	201.5	67.5								69	72	No	34	35	No
V-6-753	SB	1011+33	14516 Otsego St, Sherman Oaks		SFR	2	200.6	67.5								69	72	No	34	35	No
V-6-754	NB	1013+08	Sherman Oaks East Valley Adult Center 5056 Van Nuys Blvd, Sherman Oaks		Institutional	3	96.3	67.5								72	75	No	37	40	No
V-6-755	SB	1012+93	5102 Vista Del Monte Ave, Sherman Oaks		SFR	2	214.7	67.5								69	72	No	34	35	No
V-6-756	SB	1016+15	5134 Vista Del Monte Ave, Sherman Oaks		SFR	2	214.3	67.5								69	72	No	34	35	No
V-6-757	SB	1017+32	14520 Magnolia Blvd, Sherman Oaks		MFR	2	195.3	67.5								69	72	No	34	35	No
V-6-758	NB	1021+70	5233 Tilden Ave, Sherman Oaks	**Magnolia Blvd to Burbank Blvd**	MFR	2	187.2	67.5				Y				65	72	No	15	35	**No**
V-6-759	NB	1023+42	5243 Tilden Ave, Sherman Oaks		MFR	2	197.6	67.5								69	72	No	34	35	No
V-6-760	SB	1024+02	14526 Weddington St, Sherman Oaks		MFR	2	227.0	67.5								69	72	No	34	35	No
V-6-761	SB	1026+24	14515 Weddington St, Sherman Oaks		MFR	2	221.9	67.5								69	72	No	34	35	No
V-6-762	SB	1027+66	14524 Margate St, Sherman Oaks		MFR	2	183.6	67.5				Y				65	72	No	15	35	**No**

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HTA Alternative 6
Groundborne Vibration and Noise Assessment

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									<100'	100-200'		HRDF	Spring Frogs	Resiliently Supported Ties/Mats	Floating Slab						
V-6-763	NB	1025+86	5310 Circle Dr, Sherman Oaks	Magnolia Blvd to Burbank Blvd	MFR	2	145.5	67.5				Y				66	72	No	16	35	**No**
V-6-764	SB	1029+28	14521 Margate St, Sherman Oaks		MFR	2	194.0	67.5								69	72	No	34	35	No
V-6-765	NB	1039+55	5455 Sylmar Ave, Sherman Oaks		MFR	2	118.0	52.5								69	72	No	34	35	No
V-6-766	SB	1050+02	5640 Vista Del Monte Ave, Sherman Oaks	Burbank Blvd to Oxnard St	SFR	2	222.5	67.5								69	72	No	34	35	No
V-6-767	SB	1053+68	5712 Vista Del Monte Ave, Sherman Oaks		SFR	2	214.4	67.5								69	72	No	34	35	No
V-6-768	SB	1057+27	5752 Vista Del Monte Ave, Sherman Oaks		SFR	2	206.0	62.0								69	72	No	34	35	No
V-6-769	NB	1060+26	Dentist's Office 5818 Van Nuys Blvd, Sherman Oaks		Medical	3	78.4	42.5		Y	Y					69	75	No	34	40	No
V-6-770	NB	1067+61	Join the Band Music School 5928 Van Nuys Blvd, Sherman Oaks		Institutional	3	83.9	23.0		Y	Y					63	75	No	28	40	No
V-6-771	NB	1068+73	Funeraria del Angel Van Nuys 5940 Van Nuys Blvd, Sherman Oaks		Mortuary	3	84.1	17.0			Y					56	75	No	21	40	No
	1059+00	1072+00	**Metro G Line Sepulveda Station**																		
V-6-772	SB	1087+59	Dentist's Office 6251 Van Nuys Blvd, Van Nuys	Oxnard St to Victory Blvd	Medical	3	77.1	42.5								69	75	No	34	40	No
V-6-773	SB	1089+12	Guadalupe Wedding Chpel 6265 Van Nuys Blvd, Van Nuys		Religious	3	79.1	42.5								69	75	No	34	40	No
V-6-774	SB	1089+22	14520 Sylvan St, Van Nuys		MFR	2	203.8	42.5								65	72	No	30	35	No
V-6-775	SB	1095+00	BossChics Films 14545 Friar St, Van Nuys		Film Production	Special Bldg.	456.0	42.5				Y				57	65	No	7	25	No
V-6-776	NB	1099+88	Iglesia Morada de Jacob 6410 Van Nuys Blvd, Van Nuys	Victory Blvd to Vanowen St	Religious	3	78.7	67.5								73	75	No	38	40	No
V-6-777	NB	1117+48	California Back & Pain Specialists 6640 Van Nuys Blvd, Van Nuys		Medical	3	81.6	67.5								73	75	No	38	40	No
V-6-778	NB	1121+27	Ministerio Pentecosts 6724 Van Nuys Blvd, Van Nuys		Religious	3	79.5	67.5								73	75	No	38	40	No
V-6-779	NB	1122+49	Hollywood Dance Academy 6724 Van Nuys Blvd, Van Nuys		Institutional	3	79.3	67.5								73	75	No	38	40	No
V-6-780	NB	1128+00	Dentist's Office 6822 Van Nuys Blvd, Van Nuys	Vanowen St to Sherman Way	Medical	3	121.7	52.5								69	75	No	34	40	No
V-6-781	SB	1129+65	14521 Hartland St, Van Nuys		MFR	2	179.1	59.0								69	72	No	34	35	No
V-6-782	NB	1129+32	CHAMPS Charter High School of the Arts 6842 Van Nuys Blvd, Van Nuys		Institutional	3	79.8	52.5								70	75	No	35	40	No
V-6-783	NB	1130+11	Monte Sinai II 6850 Van Nuys Blvd, Van Nuys		Religious	3	80.9	52.5								70	75	No	35	40	No
V-6-784	SB	1133+65	Vanowen Dental Center 6931 Van Nuys Blvd, Van Nuys		Medical	3	84.2	62.0								72	75	No	37	40	No
V-6-785	SB	1135+87	6945 Van Nuys Blvd, Van Nuys		MFR	2	86.8	52.5				Y				65	72	No	15	35	No
V-6-786	SB	1136+65	6953 Van Nuys Blvd, Van Nuys		MFR	2	143.6	52.5								68	72	No	33	35	No
V-6-787	NB	1136+41	First Lutheran Church 6952 Van Nuys Blvd, Van Nuys		Religious	3	86.5	52.5								70	75	No	35	40	No
V-6-788	SB	1138+53	14515 Hart St, Van Nuys		SFR	2	168.9	52.5								68	72	No	33	35	No
V-6-789	NB	1141+60	7040 Van Nuys Blvd, Van Nuys		MFR	2	75.6	52.5				Y				66	72	No	16	35	No
V-6-790	SB	1141+83	14519 Vose St, Van Nuys		SFR	2	216.0	52.5								67	72	No	32	35	No
V-6-791	SB	1145+21	14500 Sherman Cir, Van Nuys		MFR	2	233.1	52.5								67	72	No	32	35	No
V-6-792	SB	1155+00	Van Nuys Women's Care Clinic 7232 Van Nuys Blvd, Van Nuys	Sherman Way to End of Corridor	Medical	3	67.3	52.5								71	75	No	36	--	No
V-6-793	SB	1160+26	Sinai Dental 7335 Van Nuys Blvd, Van Nuys		Medical	3	164.5	52.5								68	75	No	33	--	No
V-6-794	NB	1160+92	14436 Valerio St, Van Nuys		MFR	2	105.8	22.5								62	72	No	27	--	No
V-6-795	NB	1161+50	14432 Valerio St, Van Nuys		MFR	2	192.1	22.5								60	72	No	25	--	No
V-6-796	NB	1167+65	14435 Valerio St, Van Nuys		MFR	2	110.1	17.5								60	72	No	25	--	No
V-6-797	NB	1164+76	14431 Valerio St, Van Nuys		MFR	2	182.4	17.5								58	72	No	23	--	No
V-6-798	NB	1168+16	7441 Sylmar Ave, Van Nuys		SFR	2	111.7	17.5								60	72	No	25	--	No
V-6-799	NB	1169+70	7459 Sylmar Ave, Van Nuys		SFR	2	110.4	17.5								60	72	No	25	--	No
V-6-800	NB	1171+58	14435 Cohasset St, Van Nuys		SFR	2	132.3	17.5								59	72	No	24	--	No
		1181+40	**Van Nuys Metrolink Station**																		

Land Use Abbreviations - SFR=Single-Family Residence, MFR=Multi-Family Residential