

# Noise Measurement Survey – 24 HR

Project Number: PMB2201  
Project Name: Riverside Co Behavioral

Test Personnel: Kevin Nguyendo  
Equipment: Spark 706RC (SN:905)

Site Number: LT-1 Date: 9/8/23

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: Northeast corner along the border of the project site on a signal light.

Primary Noise Sources: Traffic noise on Placentia Avenue and Harvill Avenue.

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

Photo:



## Long-Term (96-Hour) Noise Level Measurement Results at LT-1

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
1:00 PM	9/8/23	66.1	83.5	52.1
2:00 PM	9/8/23	68.5	88.7	53.1
3:00 PM	9/8/23	68.9	88.6	52.7
4:00 PM	9/8/23	67.5	87.8	53.3
5:00 PM	9/8/23	66.4	86.9	50.4
6:00 PM	9/8/23	66.2	86.0	50.8
7:00 PM	9/8/23	65.1	86.0	52.5
8:00 PM	9/8/23	64.3	89.8	51.8
9:00 PM	9/8/23	64.5	88.9	51.9
10:00 PM	9/8/23	62.2	86.3	49.7
11:00 PM	9/8/23	60.0	77.8	49.4
12:00 AM	9/9/23	58.3	82.9	43.8
1:00 AM	9/9/23	56.4	75.9	46.9
2:00 AM	9/9/23	55.0	72.6	45.9
3:00 AM	9/9/23	57.4	78.0	44.6
4:00 AM	9/9/23	61.1	82.9	48.4
5:00 AM	9/9/23	60.9	76.0	51.1
6:00 AM	9/9/23	62.6	79.8	54.2
7:00 AM	9/9/23	61.6	80.1	49.3
8:00 AM	9/9/23	64.6	85.5	46.8
9:00 AM	9/9/23	63.6	81.5	48.1
10:00 AM	9/9/23	64.0	82.8	47.4
11:00 AM	9/9/23	65.9	88.5	46.8
12:00 PM	9/9/23	64.4	83.9	50.7
1:00 PM	9/9/23	66.2	89.8	49.4
2:00 PM	9/9/23	66.7	88.1	50.2
3:00 PM	9/9/23	65.4	84.3	49.6
4:00 PM	9/9/23	65.6	89.2	47.9
5:00 PM	9/9/23	67.5	91.8	49.5
6:00 PM	9/9/23	65.8	84.5	51.0
7:00 PM	9/9/23	63.9	85.4	47.4
8:00 PM	9/9/23	63.4	86.6	49.6
9:00 PM	9/9/23	64.3	88.2	47.6
10:00 PM	9/9/23	61.2	81.1	46.1
11:00 PM	9/9/23	61.1	85.1	49.6
12:00 AM	9/10/23	59.8	85.7	50.7
1:00 AM	9/10/23	56.9	77.7	43.6
2:00 AM	9/10/23	53.7	71.3	42.3
3:00 AM	9/10/23	53.1	69.3	42.8
4:00 AM	9/10/23	54.9	76.4	43.2
5:00 AM	9/10/23	55.0	73.1	42.9
6:00 AM	9/10/23	57.5	71.4	46.4
7:00 AM	9/10/23	58.0	79.2	43.3
8:00 AM	9/10/23	63.4	87.2	43.9
9:00 AM	9/10/23	62.9	78.6	48.6
10:00 AM	9/10/23	62.6	83.3	46.8
11:00 AM	9/10/23	62.7	80.7	46.6
12:00 PM	9/10/23	65.4	84.7	47.7
1:00 PM	9/10/23	62.9	81.4	47.0

2:00 PM	9/10/23	63.4	84.4	48.6
3:00 PM	9/10/23	62.9	84.4	44.2
4:00 PM	9/10/23	64.8	89.1	44.5
5:00 PM	9/10/23	65.2	90.9	45.5
6:00 PM	9/10/23	63.1	82.9	46.4
7:00 PM	9/10/23	64.9	86.2	48.4
8:00 PM	9/10/23	61.2	78.6	49.0
9:00 PM	9/10/23	61.5	83.3	51.7
10:00 PM	9/10/23	60.8	81.6	47.5
11:00 PM	9/10/23	59.6	81.9	47.3
12:00 AM	9/11/23	56.1	80.4	44.1
1:00 AM	9/11/23	58.2	79.7	44.1
2:00 AM	9/11/23	55.5	72.2	43.1
3:00 AM	9/11/23	59.0	75.4	49.6
4:00 AM	9/11/23	63.3	82.1	53.2
5:00 AM	9/11/23	64.9	83.4	54.9
6:00 AM	9/11/23	67.5	88.2	58.4
7:00 AM	9/11/23	67.9	89.0	54.6
8:00 AM	9/11/23	66.1	82.6	53.3
9:00 AM	9/11/23	65.4	88.4	52.0
10:00 AM	9/11/23	67.3	93.9	50.4
11:00 AM	9/11/23	65.8	84.8	51.4
12:00 PM	9/11/23	65.2	82.8	49.1
1:00 PM	9/11/23	67.2	90.5	48.2
2:00 PM	9/11/23	66.8	85.5	52.1
3:00 PM	9/11/23	68.8	92.7	54.7
4:00 PM	9/11/23	67.2	86.8	50.6
5:00 PM	9/11/23	68.0	89.4	45.5
6:00 PM	9/11/23	68.2	90.5	50.9
7:00 PM	9/11/23	66.1	87.8	51.0
8:00 PM	9/11/23	63.6	84.1	54.8
9:00 PM	9/11/23	63.4	84.4	52.9
10:00 PM	9/11/23	64.8	91.6	51.2
11:00 PM	9/11/23	58.5	76.7	47.9
12:00 AM	9/12/23	55.9	73.7	46.2
1:00 AM	9/12/23	55.6	72.5	46.8
2:00 AM	9/12/23	58.3	77.2	46.0
3:00 AM	9/12/23	60.2	77.8	50.4
4:00 AM	9/12/23	63.6	78.9	56.1
5:00 AM	9/12/23	67.2	90.3	59.1
6:00 AM	9/12/23	68.1	86.5	58.3
7:00 AM	9/12/23	67.7	84.1	55.5
8:00 AM	9/12/23	66.0	85.1	50.8
9:00 AM	9/12/23	66.9	86.3	50.0
10:00 AM	9/12/23	64.8	85.8	51.5
11:00 AM	9/12/23	66.1	83.7	50.7
12:00 PM	9/12/23	65.7	87.8	51.2

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

dBA = A-weighted decibel

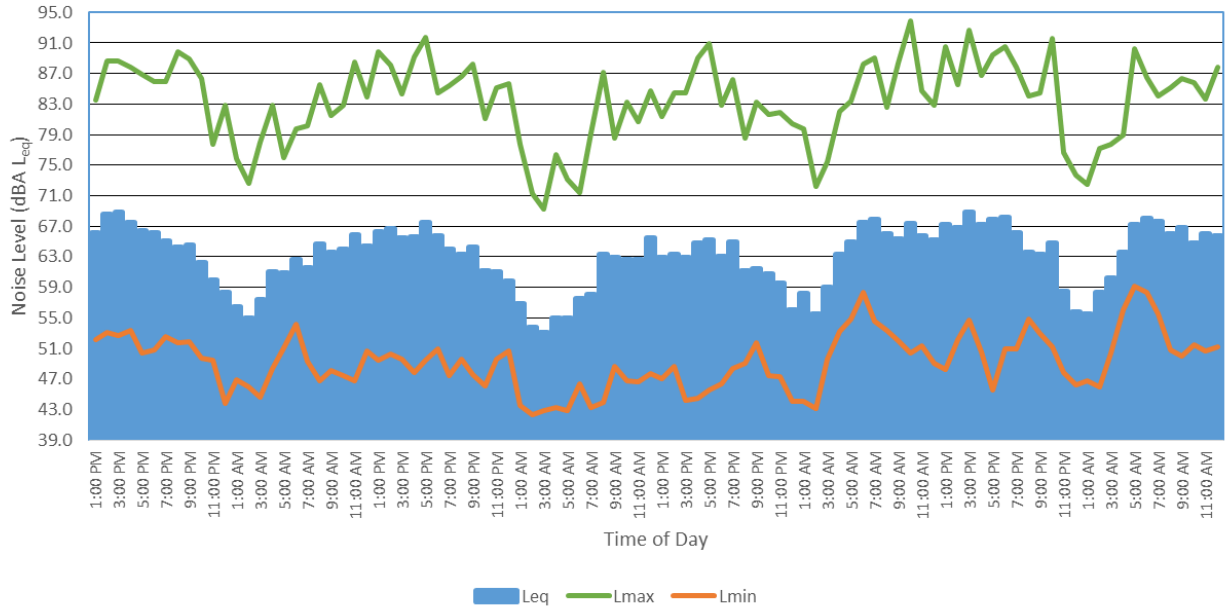
L<sub>eq</sub> = equivalent continuous sound level

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

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

# Long-Term (96-Hour) Noise Level Measurement

LT-1: Northeast corner along the project site on a signal light



# Noise Measurement Survey – 24 HR

Project Number: PMB2201  
Project Name: Riverside Co Behavioral

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

Site Number: LT-2 Date: 9/8/23

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: Northwest corner along the border of the project site on a utility pole.

Primary Noise Sources: Traffic noise on Placentia Avenue.

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

Photo:



## Long-Term (96-Hour) Noise Level Measurement Results at LT-2

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
1:00 PM	9/8/23	59.1	79.8	50.3
2:00 PM	9/8/23	59.2	84.0	47.3
3:00 PM	9/8/23	64.0	86.1	47.5
4:00 PM	9/8/23	58.8	77.1	46.9
5:00 PM	9/8/23	58.5	77.7	47.4
6:00 PM	9/8/23	57.1	73.8	47.0
7:00 PM	9/8/23	58.3	81.3	49.3
8:00 PM	9/8/23	56.8	77.2	50.0
9:00 PM	9/8/23	58.3	83.8	51.5
10:00 PM	9/8/23	57.6	75.8	50.5
11:00 PM	9/8/23	55.7	76.8	46.6
12:00 AM	9/9/23	50.6	71.9	45.4
1:00 AM	9/9/23	52.8	74.6	47.4
2:00 AM	9/9/23	52.3	68.1	46.2
3:00 AM	9/9/23	52.1	66.7	46.1
4:00 AM	9/9/23	53.3	71.1	48.2
5:00 AM	9/9/23	57.2	75.0	48.7
6:00 AM	9/9/23	58.9	72.2	54.5
7:00 AM	9/9/23	56.7	75.5	48.8
8:00 AM	9/9/23	54.0	77.0	47.6
9:00 AM	9/9/23	57.2	80.1	47.2
10:00 AM	9/9/23	55.9	77.0	45.6
11:00 AM	9/9/23	56.2	77.1	45.4
12:00 PM	9/9/23	57.1	74.9	45.8
1:00 PM	9/9/23	57.0	77.5	45.6
2:00 PM	9/9/23	58.7	77.7	44.2
3:00 PM	9/9/23	57.8	74.6	44.3
4:00 PM	9/9/23	56.9	76.3	46.3
5:00 PM	9/9/23	57.2	75.2	47.2
6:00 PM	9/9/23	59.4	77.5	47.3
7:00 PM	9/9/23	60.5	84.9	45.8
8:00 PM	9/9/23	55.7	74.9	46.5
9:00 PM	9/9/23	55.2	79.1	46.7
10:00 PM	9/9/23	54.6	75.0	46.3
11:00 PM	9/9/23	57.2	79.4	49.1
12:00 AM	9/10/23	55.8	82.5	44.4
1:00 AM	9/10/23	51.5	69.8	42.9
2:00 AM	9/10/23	51.3	73.5	44.5
3:00 AM	9/10/23	49.8	67.1	45.6
4:00 AM	9/10/23	51.3	69.9	43.7
5:00 AM	9/10/23	48.6	62.3	43.6
6:00 AM	9/10/23	54.2	69.8	42.6
7:00 AM	9/10/23	53.2	72.1	41.4
8:00 AM	9/10/23	58.2	80.5	44.0
9:00 AM	9/10/23	60.6	84.3	49.1
10:00 AM	9/10/23	59.2	78.5	47.2
11:00 AM	9/10/23	57.2	81.0	45.1
12:00 PM	9/10/23	57.6	80.6	44.9
1:00 PM	9/10/23	57.5	81.8	46.1

2:00 PM	9/10/23	55.9	74.7	47.2
3:00 PM	9/10/23	56.1	80.2	43.2
4:00 PM	9/10/23	56.8	80.5	43.9
5:00 PM	9/10/23	57.0	80.8	43.7
6:00 PM	9/10/23	55.7	77.0	45.7
7:00 PM	9/10/23	59.4	84.6	46.9
8:00 PM	9/10/23	54.9	74.2	47.2
9:00 PM	9/10/23	56.7	82.8	49.1
10:00 PM	9/10/23	55.5	74.7	47.2
11:00 PM	9/10/23	53.3	70.5	45.9
12:00 AM	9/11/23	52.7	72.0	42.8
1:00 AM	9/11/23	54.3	80.5	43.4
2:00 AM	9/11/23	53.1	68.8	42.9
3:00 AM	9/11/23	55.9	73.0	51.1
4:00 AM	9/11/23	60.9	79.8	54.2
5:00 AM	9/11/23	61.0	76.5	55.7
6:00 AM	9/11/23	62.1	80.2	56.7
7:00 AM	9/11/23	59.3	76.0	50.9
8:00 AM	9/11/23	59.8	78.0	50.1
9:00 AM	9/11/23	58.0	76.1	49.4
10:00 AM	9/11/23	58.4	80.2	47.9
11:00 AM	9/11/23	56.3	76.8	45.3
12:00 PM	9/11/23	58.0	79.8	46.2
1:00 PM	9/11/23	57.4	77.6	47.6
2:00 PM	9/11/23	57.5	78.0	47.3
3:00 PM	9/11/23	59.0	82.7	44.8
4:00 PM	9/11/23	58.8	80.6	45.8
5:00 PM	9/11/23	58.2	77.1	48.4
6:00 PM	9/11/23	58.6	80.9	48.3
7:00 PM	9/11/23	59.9	77.2	46.8
8:00 PM	9/11/23	56.0	75.6	49.1
9:00 PM	9/11/23	58.5	78.7	49.2
10:00 PM	9/11/23	55.5	77.1	49.0
11:00 PM	9/11/23	52.7	72.1	46.2
12:00 AM	9/12/23	51.2	72.2	42.4
1:00 AM	9/12/23	50.8	65.0	43.5
2:00 AM	9/12/23	52.5	72.2	46.2
3:00 AM	9/12/23	57.9	80.0	50.4
4:00 AM	9/12/23	59.4	72.5	54.0
5:00 AM	9/12/23	61.9	75.0	56.3
6:00 AM	9/12/23	63.2	80.2	56.7
7:00 AM	9/12/23	60.5	78.9	51.4
8:00 AM	9/12/23	58.0	80.0	49.2
9:00 AM	9/12/23	57.5	75.8	49.2
10:00 AM	9/12/23	56.4	76.2	46.6
11:00 AM	9/12/23	58.1	78.9	45.4
12:00 PM	9/12/23	59.7	78.8	49.1

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

dBA = A-weighted decibel

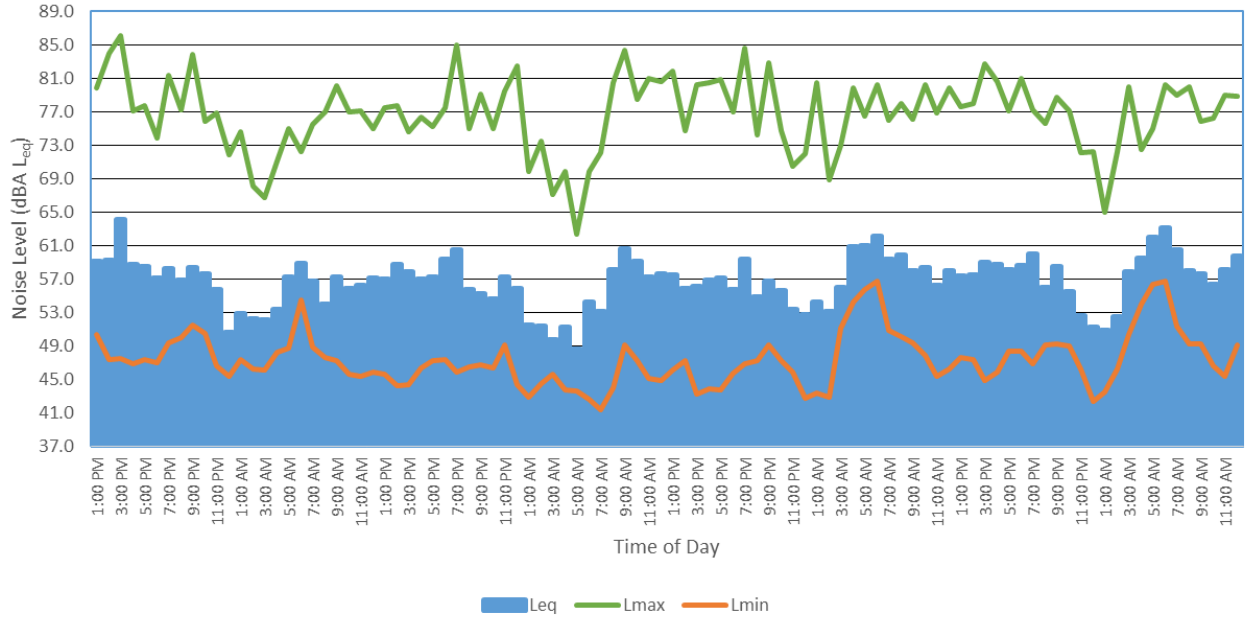
L<sub>eq</sub> = equivalent continuous sound level

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

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

# Long-Term (96-Hour) Noise Level Measurement

LT-2: Northwest corner along the project site on a utility pole





# Noise Measurement Survey – 24 HR

Project Number: PMB2201  
Project Name: Riverside Co Behavioral

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

Site Number: LT-3 Date: 9/8/23

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: Southwest corner along the border of project site on a tree.

Primary Noise Sources: Traffic noise on Water Street.

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

Photo:



### Long-Term (96-Hour) Noise Level Measurement Results at LT-3

Start Time	Date	Noise Level (dBA)		
		L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>
1:00 PM	9/8/23	51.0	68.4	42.7
2:00 PM	9/8/23	48.4	67.2	40.8
3:00 PM	9/8/23	50.3	66.9	43.3
4:00 PM	9/8/23	52.8	67.8	43.2
5:00 PM	9/8/23	51.3	64.1	43.2
6:00 PM	9/8/23	50.7	72.4	44.4
7:00 PM	9/8/23	51.5	73.3	45.0
8:00 PM	9/8/23	50.8	64.3	46.4
9:00 PM	9/8/23	52.7	57.7	48.8
10:00 PM	9/8/23	53.7	62.5	47.5
11:00 PM	9/8/23	52.5	60.4	42.6
12:00 AM	9/9/23	46.5	57.4	42.9
1:00 AM	9/9/23	50.7	71.4	44.1
2:00 AM	9/9/23	48.6	57.5	42.9
3:00 AM	9/9/23	50.7	57.8	43.2
4:00 AM	9/9/23	51.2	58.3	46.4
5:00 AM	9/9/23	53.8	60.8	47.0
6:00 AM	9/9/23	55.9	68.8	51.4
7:00 AM	9/9/23	50.8	61.1	42.7
8:00 AM	9/9/23	46.7	61.2	41.8
9:00 AM	9/9/23	45.5	57.6	42.1
10:00 AM	9/9/23	46.2	61.9	41.5
11:00 AM	9/9/23	50.0	77.2	40.3
12:00 PM	9/9/23	48.7	73.0	40.1
1:00 PM	9/9/23	48.8	64.3	41.2
2:00 PM	9/9/23	48.6	64.4	40.8
3:00 PM	9/9/23	49.6	67.0	40.9
4:00 PM	9/9/23	48.3	62.4	41.3
5:00 PM	9/9/23	49.6	61.9	44.0
6:00 PM	9/9/23	50.6	66.6	43.8
7:00 PM	9/9/23	53.1	77.4	43.2
8:00 PM	9/9/23	47.7	59.3	44.2
9:00 PM	9/9/23	48.0	57.7	43.6
10:00 PM	9/9/23	50.1	58.1	43.8
11:00 PM	9/9/23	52.9	57.7	47.5
12:00 AM	9/10/23	49.9	59.4	42.4
1:00 AM	9/10/23	48.2	63.9	38.5
2:00 AM	9/10/23	47.8	57.1	38.9
3:00 AM	9/10/23	46.7	54.3	41.1
4:00 AM	9/10/23	47.1	54.3	39.2
5:00 AM	9/10/23	44.4	52.7	38.2
6:00 AM	9/10/23	48.8	73.0	39.5
7:00 AM	9/10/23	49.6	64.5	40.0
8:00 AM	9/10/23	52.2	65.1	42.5
9:00 AM	9/10/23	54.1	67.4	44.9
10:00 AM	9/10/23	47.9	61.0	41.4
11:00 AM	9/10/23	50.9	69.8	40.5
12:00 PM	9/10/23	46.4	59.9	40.2
1:00 PM	9/10/23	54.1	79.5	40.8

2:00 PM	9/10/23	46.7	59.1	41.0
3:00 PM	9/10/23	44.4	55.4	37.6
4:00 PM	9/10/23	45.2	61.1	39.2
5:00 PM	9/10/23	45.6	61.5	39.5
6:00 PM	9/10/23	47.8	61.5	42.6
7:00 PM	9/10/23	50.5	70.3	44.6
8:00 PM	9/10/23	48.4	62.5	44.8
9:00 PM	9/10/23	50.6	56.7	45.6
10:00 PM	9/10/23	51.5	58.6	45.8
11:00 PM	9/10/23	49.6	61.9	43.6
12:00 AM	9/11/23	49.4	56.4	39.4
1:00 AM	9/11/23	46.7	56.7	40.9
2:00 AM	9/11/23	50.1	59.4	40.9
3:00 AM	9/11/23	50.7	55.5	45.8
4:00 AM	9/11/23	55.1	68.7	49.3
5:00 AM	9/11/23	56.3	60.3	53.1
6:00 AM	9/11/23	56.6	64.4	52.4
7:00 AM	9/11/23	50.4	67.4	44.1
8:00 AM	9/11/23	46.9	61.5	43.1
9:00 AM	9/11/23	47.6	59.0	44.4
10:00 AM	9/11/23	48.1	58.0	41.1
11:00 AM	9/11/23	46.6	67.2	40.7
12:00 PM	9/11/23	49.6	64.8	41.0
1:00 PM	9/11/23	47.1	66.6	40.7
2:00 PM	9/11/23	48.5	68.5	40.1
3:00 PM	9/11/23	45.7	63.8	40.4
4:00 PM	9/11/23	45.9	61.7	40.5
5:00 PM	9/11/23	50.9	65.3	42.2
6:00 PM	9/11/23	49.9	67.7	44.0
7:00 PM	9/11/23	59.7	79.3	42.6
8:00 PM	9/11/23	50.7	57.7	45.4
9:00 PM	9/11/23	54.2	75.6	45.1
10:00 PM	9/11/23	53.7	77.6	45.3
11:00 PM	9/11/23	48.3	59.2	42.4
12:00 AM	9/12/23	45.4	52.5	40.0
1:00 AM	9/12/23	46.6	58.3	39.1
2:00 AM	9/12/23	48.7	56.4	41.3
3:00 AM	9/12/23	53.3	60.4	44.8
4:00 AM	9/12/23	54.8	60.3	50.3
5:00 AM	9/12/23	57.4	66.0	51.0
6:00 AM	9/12/23	56.3	65.7	52.6
7:00 AM	9/12/23	53.1	60.6	45.8
8:00 AM	9/12/23	47.9	66.4	44.1
9:00 AM	9/12/23	48.9	65.4	43.6
10:00 AM	9/12/23	49.8	63.9	42.4
11:00 AM	9/12/23	51.6	69.7	42.1
12:00 PM	9/12/23	51.4	69.1	44.5

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

dBA = A-weighted decibel

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

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

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

# Long-Term (96-Hour) Noise Level Measurement

LT-3: Located along the northwest corner of the project site on an iron fence

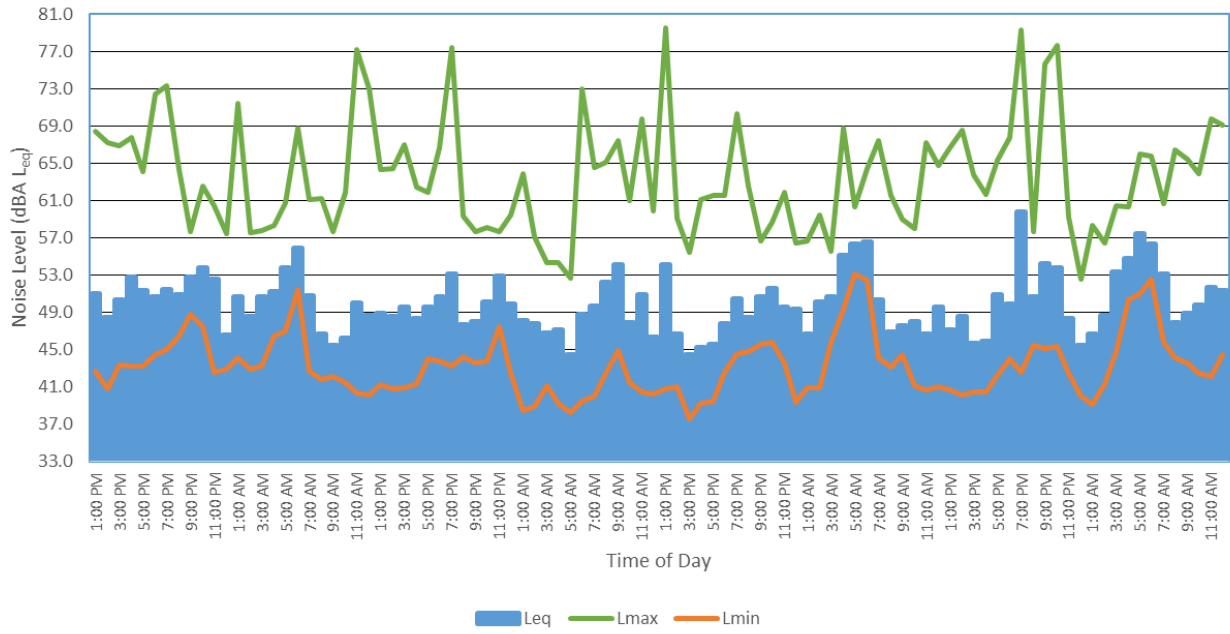
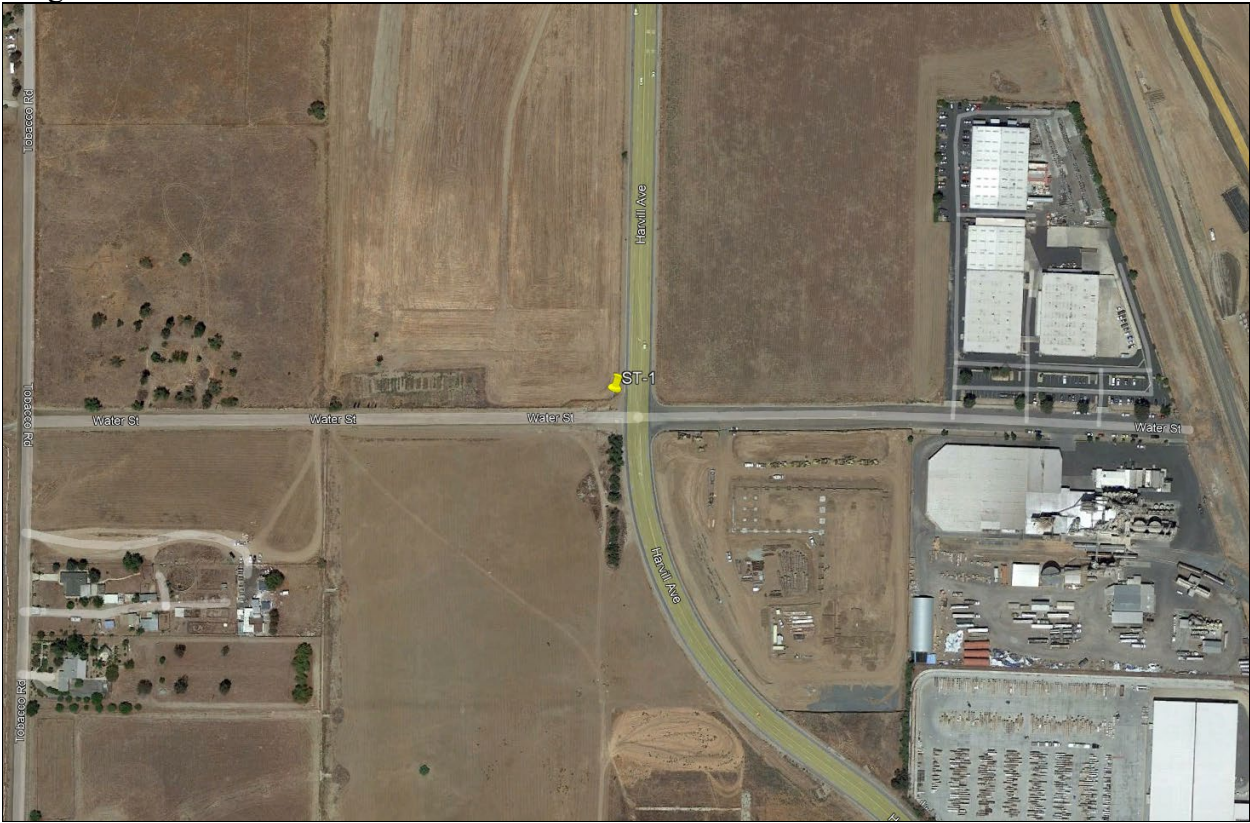




Diagram:



Location Photo:

