

Noise Measurement Survey – 48 HR

Project Number: OCY2001.48

Test Personnel: Corey Knips

Project Name: OC YTC Juvenile Hall

Equipment: LD Spark 706RC (sn17206)

Site Number: LT-1 Start Date: 10/15/2024

Time: From 10:00 a.m. To 10:00 a.m.

Site Location: 331 The City Drive S, on a light pole on the northern property fence.
Approximately 450 feet from the I-5 centerline.

Primary Noise Sources: Traffic on I-5 and parking activity.

Comments: _____

Photo:



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

Start Time	Day One Noise Level (dBA)		Day Two Noise Level (dBA)	
	L _{eq}	L _{max}	L _{eq}	L _{max}
10:00 AM	63.9	79.8	62.8	74.2
11:00 AM	63.7	78.1	62.5	72.7
12:00 PM	62.4	79.6	62.3	79.6
1:00 PM	61.7	72.9	63.9	81.4
2:00 PM	61.4	71.9	63.9	74.4
3:00 PM	61.7	79.9	61.3	72.6
4:00 PM	61.8	80.9	62.4	81.2
5:00 PM	63.0	81.1	61.8	83.8
6:00 PM	62.8	81.0	59.8	67.7
7:00 PM	62.6	80.5	60.8	75.0
8:00 PM	61.9	71.1	60.4	70.2
9:00 PM	61.2	80.6	60.8	66.2
10:00 PM	60.9	71.9	61.4	74.2
11:00 PM	56.7	69.8	62.2	71.9
12:00 AM	56.4	66.1	61.1	80.5
1:00 AM	55.0	62.2	59.8	68.4
2:00 AM	58.5	74.0	58.9	74.0
3:00 AM	61.5	73.5	59.3	74.8
4:00 AM	63.2	71.1	64.0	76.1
5:00 AM	61.2	74.7	66.3	74.1
6:00 AM	60.0	71.7	64.3	72.6
7:00 AM	57.7	65.1	63.3	72.7
8:00 AM	63.2	82.1	59.4	70.2
9:00 AM	62.8	74.2	64.1	76.8

Source: Compiled by LSA Associates, Inc. (2024).

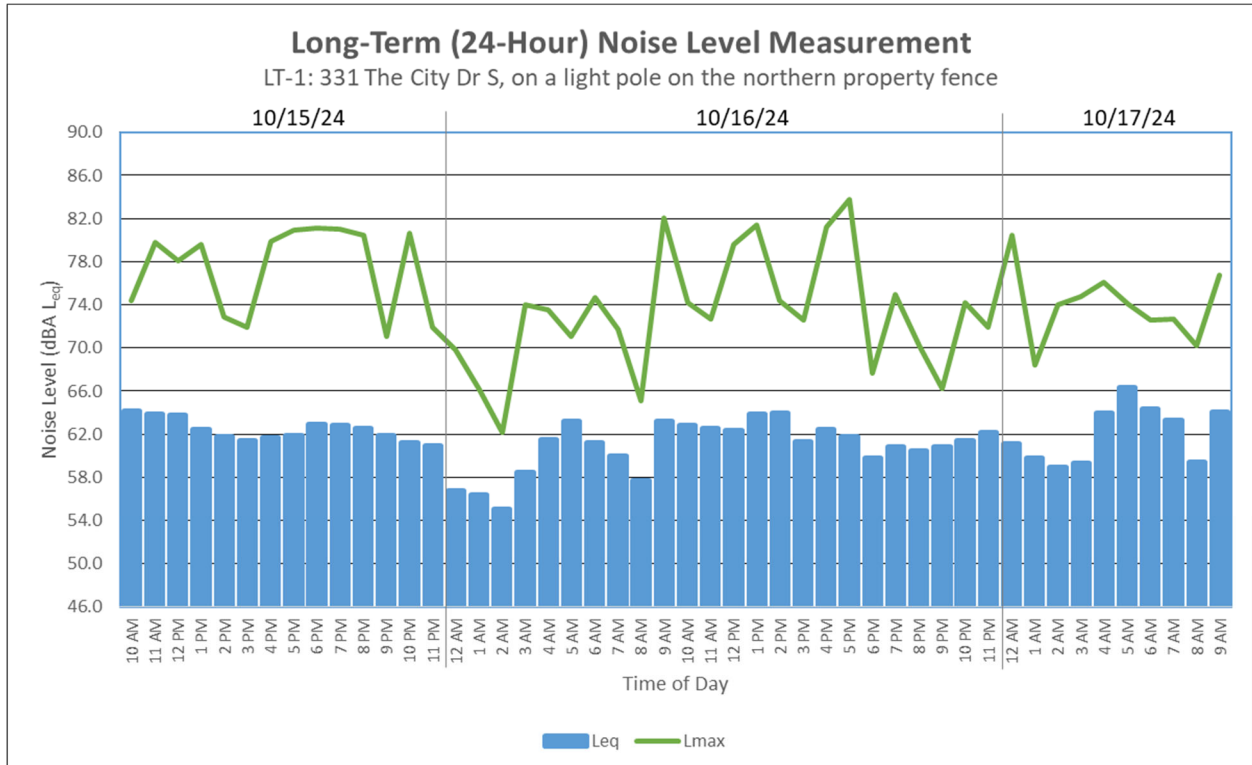
Note: Noise measurement was conducted from 10 a.m. on Tuesday, October 15 through 10 a.m. on Thursday, October 17.

dBA = A-weighted decibel

L_{max} = maximum instantaneous noise level

L_{eq} = equivalent continuous sound level

L_{min} = minimum measured sound level



Noise Measurement Survey – 48 HR

Project Number: OCY2001.48

Test Personnel: Corey Knips

Project Name: OC YTC Juvenile Hall

Equipment: LD Spark 706RC (sn17814)

Site Number: LT-2 Start Date: 10/15/2024

Time: From 10:00 a.m. To 10:00 a.m.

Site Location: 333 The City Drive S, on the southeast corner of the fence west of the open yard.
Approximately 640 feet from the I-5 centerline.

Primary Noise Sources: Traffic on I-5.

Comments: _____

Photo:



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

Start Time	Day One Noise Level (dBA)		Day Two Noise Level (dBA)	
	L _{eq}	L _{max}	L _{eq}	L _{max}
10:00 AM	62.4	68.0	61.5	65.9
11:00 AM	63.1	73.7	61.7	71.7
12:00 PM	62.4	68.1	61.5	71.9
1:00 PM	61.6	69.8	62.6	71.5
2:00 PM	61.8	74.9	63.3	73.3
3:00 PM	62.2	74.6	61.4	71.4
4:00 PM	62.1	77.8	62.4	78.2
5:00 PM	66.8	80.5	64.0	81.3
6:00 PM	61.7	79.8	62.2	82.0
7:00 PM	63.2	85.4	59.9	66.2
8:00 PM	61.4	68.1	60.0	69.5
9:00 PM	61.4	74.1	61.6	81.0
10:00 PM	60.2	73.7	60.9	74.5
11:00 PM	60.4	71.6	60.6	64.9
12:00 AM	57.0	66.0	59.8	70.9
1:00 AM	57.0	64.3	59.1	65.7
2:00 AM	56.2	61.2	58.6	65.8
3:00 AM	57.4	65.1	58.6	65.2
4:00 AM	60.3	65.0	62.4	67.3
5:00 AM	62.1	66.9	64.7	68.4
6:00 AM	60.2	73.9	63.5	77.7
7:00 AM	59.4	64.5	62.8	68.0
8:00 AM	59.3	81.7	59.5	73.1
9:00 AM	60.5	66.2	62.3	75.2

Source: Compiled by LSA Associates, Inc. (2024).

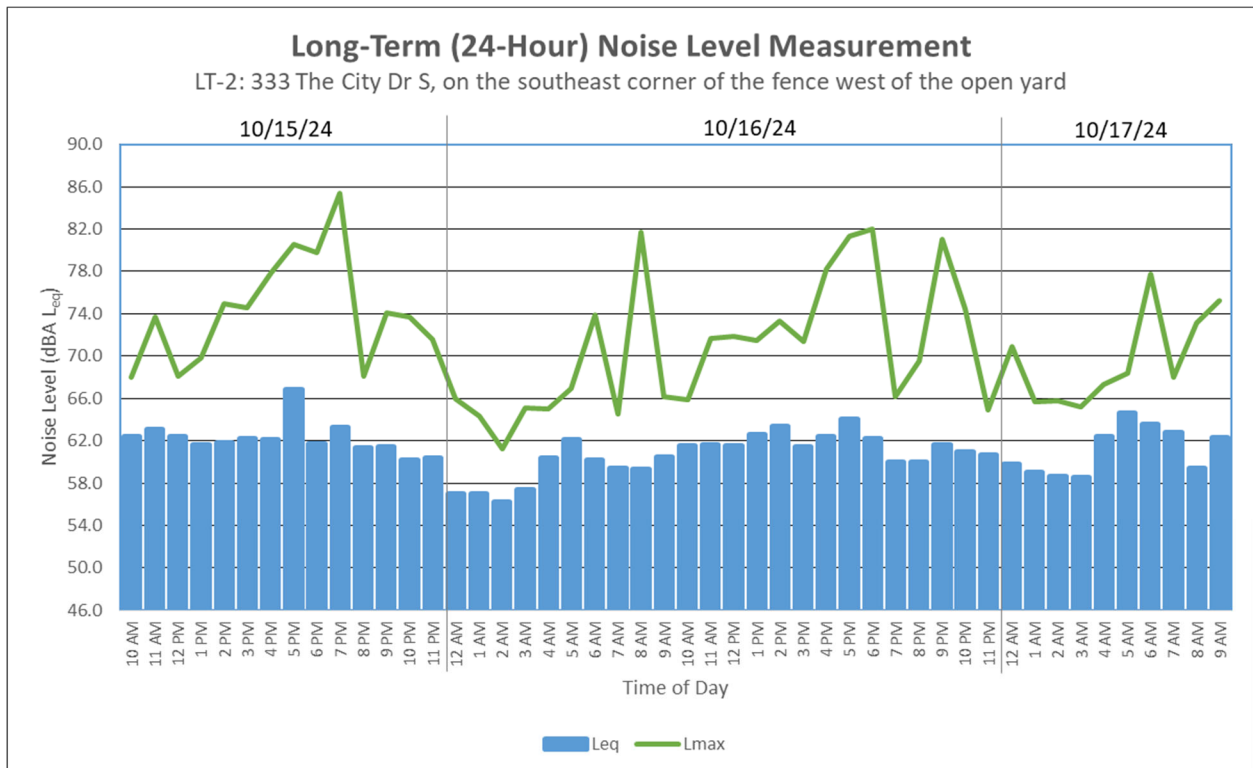
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Noise Measurement Survey –48 HR

Project Number: OCY2001.48

Test Personnel: Corey Knips

Project Name: OC YTC Juvenile Hall

Equipment: LD Spark 706RC (sn17637)

Site Number: LT-3 Start Date: 10/15/2024

Time: From 10:00 a.m. To 10:00 a.m.

Site Location: 401 The City Drive S, on a utility pole on the south side of Justice Center Way.
Approximately 980 feet from the I-5 centerline.

Primary Noise Sources: Traffic on I-5.

Comments: _____

Photo:



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

Start Time	Day One Noise Level (dBA)		Day Two Noise Level (dBA)	
	L _{eq}	L _{max}	L _{eq}	L _{max}
10:00 AM	61.2	81.6	59.4	75.8
11:00 AM	63.1	80.6	62.8	86.4
12:00 PM	63.0	80.9	62.5	82.9
1:00 PM	61.8	81.2	61.8	78.8
2:00 PM	60.7	77.8	61.3	76.6
3:00 PM	62.1	79.8	60.8	75.5
4:00 PM	61.9	82.1	61.5	76.7
5:00 PM	61.5	82.4	61.8	82.7
6:00 PM	63.7	80.4	61.5	84.2
7:00 PM	60.8	76.0	61.7	77.0
8:00 PM	59.0	75.1	57.0	73.0
9:00 PM	56.6	74.1	56.5	74.9
10:00 PM	57.7	79.3	58.2	78.8
11:00 PM	57.1	75.0	57.1	72.2
12:00 AM	54.4	73.6	57.4	77.4
1:00 AM	55.9	75.0	56.3	73.2
2:00 AM	53.5	71.0	56.8	78.0
3:00 AM	56.2	78.7	56.8	76.6
4:00 AM	58.5	77.7	60.8	77.9
5:00 AM	61.7	77.9	63.6	77.7
6:00 AM	64.3	86.1	64.7	83.0
7:00 AM	63.2	89.2	63.7	81.6
8:00 AM	60.7	78.7	62.5	83.0
9:00 AM	58.6	79.0	63.7	80.2

Source: Compiled by LSA Associates, Inc. (2024).

Note: Noise measurement was conducted from 10 a.m. on Tuesday, October 15 through 10 a.m. on Thursday, October 17.

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