

**Appendix H:  
Noise Supporting Information**

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Project Number: 2448.003  
 Project Name: Center Point Properties  
 Test Personnel: Spencer P.

Sheet \_\_\_ of \_\_\_

### Noise Measurement Survey

Site Number: ST-1 Date: 11/12 Time: From 1:00 pm To 1:15 pm

Site Location: Just south of Urban Tlth entrance, 10 feet to Brookside Drive

Primary Noise Sources: Traffic on Brookside Drive

#### Measurement Results

	dB(A)
Leq	67.6
Lmax	87.7
Lmin	47.1
L5	71.1
L10	67.2
L50	58.0
L90	51.5
Ldn	
CNEL	

#### Observed Noise Sources/Events

Time	Noise Source/Event	dB(A)

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

Equipment: LXT-1  
 Settings: A-Weighted  Other

Measured Difference: -0.03 dB(A)  
 Slow  Fast  Windscreen

#### Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
<u>55</u>	<u>1.2</u>	<u>73.8</u>	
Comments: <u>Partly Cloudy day</u>			

Project Number: 2648.0013  
 Project Name: Centerpoint Properties  
 Test Personnel: Spencer P.

Sheet \_\_\_ of \_\_\_

### Noise Measurement Survey

Site Number: ST-2 Date: 11/12/2019 Time: From 1:20 p.m. To 1:35 p.m.

Site Location: Just south of 377 Brookside Drive home, <sup>20</sup> feet to center of road

Primary Noise Sources: Traffic on Brookside Drive

#### Measurement Results

	dBA
Leq	
Lmax	<u>88.9</u>
Lmin	<u>41.0</u>
L5	<u>73.3</u>
L10	<u>68.8</u>
L50	<u>50.7</u>
L90	<u>43.9</u>
Ldn	
CNEL	

#### Observed Noise Sources/Events

Time	Noise Source/Event	dBA

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

Equipment: LXT-1  
 Settings: A-Weighted  Other

Measured Difference: -0.03 dBA  
 Slow  Fast  Windscreen

#### Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
<u>5.5</u>	<u>2.3</u>	<u>73.8</u>	<u>—</u>
Comments: <u>Partly, Cloudy day</u>			

Project Number: 2648.0013  
 Project Name: Center Point Properties  
 Test Personnel: Spencer P.

Sheet \_\_\_ of \_\_\_

### Noise Measurement Survey

Site Number: ST-3 Date: 11/12/2019 Time: From 12:40 To 12:55

Site Location: North side of Da Villa (a minor roadway off Fred Jackson Way), north of Verde Elementary School

Primary Noise Sources: Traffic on Fred Jackson Way, school activity

#### Measurement Results

	dBA
Leq	<u>61.5</u>
Lmax	<u>83.5</u>
Lmin	<u>44.8</u>
L5	<u>63.8</u>
L10	<u>62.3</u>
L50	<u>56.6</u>
L90	<u>50.9</u>
Ldn	
CNEL	

#### Observed Noise Sources/Events

Time	Noise Source/Event	dBA

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

Equipment: LXT-1  
 Settings: A-Weighted  Other

Measured Difference: -0.03 dBA  
 Slow  Fast  Windscreen

#### Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
<u>5.5</u>	<u>2.3</u>	<u>73.8</u>	
Comments: <u>Partly, cloudy day</u>			

TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Fred Jackson Way - Brookside Drive to Pittsburg Avenue

NOTES: CenterPoint Properties Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8700    SPEED (MPH): 35    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

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AUTOS

88.08    9.34

M-TRUCKS

1.65    0.19

H-TRUCKS

0.66    0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn    65 Ldn    60 Ldn    55 Ldn

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0.0      0.0      90.4      194.3

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TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Brookside Drive - east of Fred Jackson Way

NOTES: CenterPoint Properties Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3200    SPEED (MPH): 30    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
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AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

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**\*\* CALCULATED NOISE LEVELS \*\***

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	78.4

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**TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS**

RUN DATE: 05/01/2020  
ROADWAY SEGMENT: Fred Jackson Way - north of Brookside Drive  
NOTES: CenterPoint Properties Project - Existing

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**\*\* ASSUMPTIONS \*\***

AVERAGE DAILY TRAFFIC: 7500    SPEED (MPH): 35    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

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**\*\* CALCULATED NOISE LEVELS \*\***

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	81.9	176.1

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TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Fred Jackson Way - south of Pittsburg Avenue

NOTES: CenterPoint Properties Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7600    SPEED (MPH): 25    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY    NIGHT

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AUTOS	
88.08	9.34
M-TRUCKS	
1.65	0.19
H-TRUCKS	
0.66	0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	105.1

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TABLE Existing with CenterPoint Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020



ROADWAY SEGMENT: Fred Jackson Way - Brookside Drive to Pittsburg Avenue  
NOTES: CenterPoint Properties Project - Existing with CenterPoint Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9100    SPEED (MPH): 35    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

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AUTOS		
88.08	9.34	
M-TRUCKS		
1.65	0.19	
H-TRUCKS		
0.66	0.08	

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn    65 Ldn    60 Ldn    55 Ldn

-----	-----	-----	-----
0.0	0.0	93.1	200.3

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TABLE Existing with CenterPoint Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Brookside Drive - east of Fred Jackson Way

NOTES: CenterPoint Properties Project - Existing with CenterPoint Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3300    SPEED (MPH): 30    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

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AUTOS		
88.08	9.34	
M-TRUCKS		
1.65	0.19	

H-TRUCKS  
0.66 0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	80.0

---

TABLE Existing with CenterPoint Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020  
ROADWAY SEGMENT: Fred Jackson Way - north of Brookside Drive  
NOTES: CenterPoint Properties Project - Existing with CenterPoint Project

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\*\* ASSUMPTIONS \*\*

AVERAGE DAILY TRAFFIC: 7900 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	84.8	182.3

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TABLE Existing with CenterPoint Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Fred Jackson Way - south of Pittsburg Avenue

NOTES: CenterPoint Properties Project - Existing with CenterPoint Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7700    SPEED (MPH): 25    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

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AUTOS

88.08    9.34

M-TRUCKS

1.65    0.19

H-TRUCKS

0.66    0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn    65 Ldn    60 Ldn    55 Ldn

-----  
0.0      0.0      0.0      106.0

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TABLE Cumulative without CenterPoint Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Fred Jackson Way - Brookside Drive to Pittsburg Avenue

NOTES: CenterPoint Properties Project - Cumulative without CenterPoint Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY NIGHT

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AUTOS  
88.08 9.34  
M-TRUCKS  
1.65 0.19  
H-TRUCKS  
0.66 0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	99.8	214.7

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TABLE Cumulative without CenterPoint Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Brookside Drive - east of Fred Jackson Way

NOTES: CenterPoint Properties Project - Cumulative without CenterPoint Project

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\*\* ASSUMPTIONS \*\*

AVERAGE DAILY TRAFFIC: 3900 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY NIGHT

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AUTOS  
88.08 9.34  
M-TRUCKS  
1.65 0.19  
H-TRUCKS  
0.66 0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	89.3

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TABLE Cumulative without CenterPoint Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Fred Jackson Way - north of Brookside Drive

NOTES: CenterPoint Properties Project - Cumulative without CenterPoint Project

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\*\* ASSUMPTIONS \*\*

AVERAGE DAILY TRAFFIC: 8800    SPEED (MPH): 35    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

---      -----

AUTOS

88.08    9.34

M-TRUCKS

1.65    0.19

H-TRUCKS

0.66    0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

---

\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	91.1	195.8

---

TABLE Cumulative without CenterPoint Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020  
ROADWAY SEGMENT: Fred Jackson Way - south of Pittsburg Avenue  
NOTES: CenterPoint Properties Project - Cumulative without CenterPoint Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8900    SPEED (MPH): 25    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

---      -----

AUTOS  
88.08    9.34  
M-TRUCKS  
1.65    0.19  
H-TRUCKS  
0.66    0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	54.4	116.7

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TABLE Cumulative with CenterPoint Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020  
ROADWAY SEGMENT: Fred Jackson Way - Brookside Drive to Pittsburg Avenue  
NOTES: CenterPoint Properties Project - Cumulative with CenterPoint Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10400    SPEED (MPH): 35    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

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AUTOS

88.08 9.34  
M-TRUCKS  
1.65 0.19  
H-TRUCKS  
0.66 0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	101.8	218.9

TABLE Cumulative with CenterPoint Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Brookside Drive - east of Fred Jackson Way

NOTES: CenterPoint Properties Project - Cumulative with CenterPoint Project

\*\* ASSUMPTIONS \*\*

AVERAGE DAILY TRAFFIC: 4000 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY NIGHT

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AUTOS  
88.08 9.34  
M-TRUCKS  
1.65 0.19  
H-TRUCKS  
0.66 0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	90.9

TABLE Cumulative with CenterPoint Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Fred Jackson Way - north of Brookside Drive

NOTES: CenterPoint Properties Project - Cumulative with CenterPoint Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9200    SPEED (MPH): 35    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

---      -----

AUTOS

88.08    9.34

M-TRUCKS

1.65    0.19

H-TRUCKS

0.66    0.08

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	93.8	201.7

TABLE Cumulative with CenterPoint Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/01/2020

ROADWAY SEGMENT: Fred Jackson Way - south of Pittsburg Avenue

NOTES: CenterPoint Properties Project - Cumulative with CenterPoint Project



\*\* ASSUMPTIONS \*\*

AVERAGE DAILY TRAFFIC: 8900    SPEED (MPH): 25    GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY      NIGHT

---      -----

AUTOS		
88.08	9.34	
M-TRUCKS		
1.65	0.19	
H-TRUCKS		
0.66	0.08	

ACTIVE HALF-WIDTH (FT): 6    SITE CHARACTERISTICS: SOFT

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\*\* CALCULATED NOISE LEVELS \*\*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn    65 Ldn    60 Ldn    55 Ldn

-----    -----    -----    -----  
0.0      0.0      54.4      116.7

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