

TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Tennessee Street Between San Bernardino Avenue and  
Pennsylvania Avenue (Future)  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6190      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	133.6	422.1

TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Tennessee Street Between Pennsylvania Avenue (Future)  
and Lugonia Avenue  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6190      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	133.6	422.1

TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Tennessee Street Between Lugonia Avenue and I-10 WB  
On/Off Ramps  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14590      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	99.7	314.6	994.7

TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Pennsylvania Avenue Between Karon Street and Texas Street  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 910      SPEED (MPH): 30      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 14      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.94

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

TABLE Existing-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Pennsylvania Avenue East of Texas Street  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2620      SPEED (MPH): 30      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 14      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	89.9

TABLE Existing-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Karon Street North of Pennsylvania Avenue  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 250      SPEED (MPH): 40      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 10      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 49.59

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

TABLE Existing-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Karon Street Between Pennsylvania Avenue and Lugonia Avenue  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1065      SPEED (MPH): 40      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 10      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	73.3

TABLE Existing-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Texas Street North of Pennsylvania Avenue  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5300      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	0.0	116.5	361.1



TABLE Existing-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Texas Street Between Pennsylvania Avenue and Lugonia Avenue  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6175      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	134.9	420.5

TABLE Existing-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Texas Street South of Lugonia Avenue  
NOTES: Lugonia - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9080      SPEED (MPH): 40      GRADE: .5

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

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	66.2	196.7	617.7

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TABLE Existing-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Lugonia Avenue Between Tennessee Street and Project Driveway  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17270      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	119.8	372.1	1174.3

TABLE Existing-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Lugonia Avenue Between Project Driveway and New York Street

NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17860      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	123.8	384.7	1214.4

TABLE Existing-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Lugonia Avenue Between New York Street and Texas Street  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15520      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	108.2	334.5	1055.3

TABLE Existing-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Lugonia Avenue East of Texas Street  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14130      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	99.0	304.7	960.9

TABLE Existing-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: New York Street South of Lugonia Avenue  
NOTES: Lugonia - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4280      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	93.0	291.8

TABLE Existing With P (2024) Scenario A-01  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
 ROADWAY SEGMENT: Tennessee Street Between San Bernardino Avenue and  
 Pennsylvania Avenue (Future)  
 NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6510      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	140.5	443.9



TABLE Existing With P (2024) Scenario A-02  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
 ROADWAY SEGMENT: Tennessee Street Between Pennsylvania Avenue (Future)  
 and Lugonia Avenue  
 NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6710      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	144.8	457.5

TABLE Existing With P (2024) Scenario A-03  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
 ROADWAY SEGMENT: Tennessee Street Between Lugonia Avenue and I-10 WB  
 On/Off Ramps  
 NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15710      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	107.3	338.8	1071.0

TABLE Existing With P (2024) Scenario A-04  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Pennsylvania Avenue Between Karon Street and Texas Street

NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 940      SPEED (MPH): 30      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 14      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.08

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

TABLE Existing With P (2024) Scenario A-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Pennsylvania Avenue East of Texas Street  
NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2620      SPEED (MPH): 30      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 14      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	89.9

TABLE Existing With P (2024) Scenario A-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Karon Street North of Pennsylvania Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 250      SPEED (MPH): 40      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 10      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 49.59

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

TABLE Existing With P (2024) Scenario A-07  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Karon Street Between Pennsylvania Avenue and Lugonia Avenue

NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1155      SPEED (MPH): 40      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 10      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	79.3

TABLE Existing With P (2024) Scenario A-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Texas Street North of Pennsylvania Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario A

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5440      SPEED (MPH): 40      GRADE: .5

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

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	119.4	370.6

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TABLE Existing With P (2024) Scenario A-09  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
 ROADWAY SEGMENT: Texas Street Between Pennsylvania Avenue and Lugonia Avenue  
 NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6285      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	137.3	428.0



TABLE Existing With P (2024) Scenario A-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Texas Street South of Lugonia Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9080      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.2	196.7	617.7

TABLE Existing With P (2024) Scenario A-11  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Lugonia Avenue Between Tennessee Street and Project Driveway

NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19170      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	132.5	412.8	1303.4

TABLE Existing With P (2024) Scenario A-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Lugonia Avenue Between Project Driveway and New York Street

NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19480      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	134.6	419.5	1324.5

TABLE Existing With P (2024) Scenario A-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Lugonia Avenue Between New York Street and Texas Street

NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16020      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	111.5	345.3	1089.3

TABLE Existing With P (2024) Scenario A-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Lugonia Avenue East of Texas Street  
NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14410      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	100.9	310.7	979.9

TABLE Existing With P (2024) Scenario A-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: New York Street South of Lugonia Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario A

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4410      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	95.7	300.6

TABLE Existing With P (2024) Scenario B-01  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Tennessee Street Between San Bernardino Avenue and  
 Pennsylvania Avenue (Future)

NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6530      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	140.9	445.3

TABLE Existing With P (2024) Scenario B-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Tennessee Street Between Pennsylvania Avenue (Future)  
and Lugonia Avenue

NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7000      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	151.1	477.3



TABLE Existing With P (2024) Scenario B-03  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
 ROADWAY SEGMENT: Tennessee Street Between Lugonia Avenue and I-10 WB  
 On/Off Ramps  
 NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15720      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	107.4	339.0	1071.7

TABLE Existing With P (2024) Scenario B-04  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Pennsylvania Avenue Between Karon Street and Texas Street

NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 980      SPEED (MPH): 30      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 14      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.26

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

TABLE Existing With P (2024) Scenario B-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Pennsylvania Avenue East of Texas Street  
NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2620      SPEED (MPH): 30      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 14      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	89.9

TABLE Existing With P (2024) Scenario B-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Karon Street North of Pennsylvania Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 250      SPEED (MPH): 40      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 10      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 49.59

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

TABLE Existing With P (2024) Scenario B-07  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
 ROADWAY SEGMENT: Karon Street Between Pennsylvania Avenue and Lugonia Avenue  
 NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 835      SPEED (MPH): 40      GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 10      SITE CHARACTERISTICS: HARD

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	57.8

TABLE Existing With P (2024) Scenario B-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Texas Street North of Pennsylvania Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5440      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	119.4	370.6

TABLE Existing With P (2024) Scenario B-09  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Texas Street Between Pennsylvania Avenue and Lugonia Avenue

NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6325      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	138.1	430.7

TABLE Existing With P (2024) Scenario B-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Texas Street South of Lugonia Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9080      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.2	196.7	617.7



TABLE Existing With P (2024) Scenario B-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Lugonia Avenue Between Tennessee Street and Project Driveway

NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18780      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	129.9	404.5	1276.9

TABLE Existing With P (2024) Scenario B-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Lugonia Avenue Between Project Driveway and New York Street

NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19090      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	132.0	411.1	1298.0

TABLE Existing With P (2024) Scenario B-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023

ROADWAY SEGMENT: Lugonia Avenue Between New York Street and Texas Street

NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15630      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	108.9	336.9	1062.8

TABLE Existing With P (2024) Scenario B-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: Lugonia Avenue East of Texas Street  
NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14890      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	104.0	321.0	1012.5

TABLE Existing With P (2024) Scenario B-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/21/2023  
ROADWAY SEGMENT: New York Street South of Lugonia Avenue  
NOTES: Lugonia - Existing With P (2024) Scenario B

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4410      SPEED (MPH): 40      GRADE: .5

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

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	95.7	300.6