

TABLE Existing (2016)-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue north of San Bernardino Avenue
NOTES: Tri-City Industrial Complex - Existing (2016)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19000 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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123.0	260.9	560.0	1205.4

TABLE Existing (2016)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue between San Bernardino Avenue and
Victoria Avenue
NOTES: Tri-City Industrial Complex - Existing (2016)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16300 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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111.5	235.8	505.7	1088.4

TABLE Existing (2016)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue south of Victoria Avenue
NOTES: Tri-City Industrial Complex - Existing (2016)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20500 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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129.1	274.3	589.1	1268.1

TABLE Existing (2016)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Victoria Avenue east of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - Existing (2016)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2400 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	56.5	121.1	260.7

TABLE Existing (2016)-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: San Bernardino Avenue west of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - Existing (2016)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11700 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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90.5	189.5	405.7	872.7

TABLE Existing (2016)-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: San Bernardino Avenue east of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - Existing (2016)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12300 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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93.4	195.9	419.4	902.2

TABLE 2018 -01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue north of San Bernardino Avenue
NOTES: Tri-City Industrial Complex - 2018

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21800 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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134.3	285.7	613.7	1321.1

TABLE 2018 -02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue between San Bernardino Avenue and
Victoria Avenue
NOTES: Tri-City Industrial Complex - 2018

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18700 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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121.7	258.1	554.1	1192.7

TABLE 2018 -03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue south of Victoria Avenue
NOTES: Tri-City Industrial Complex - 2018

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23600 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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141.4	301.1	647.0	1392.8

TABLE 2018 -04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Victoria Avenue east of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - 2018

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2700 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	61.1	131.0	282.0

TABLE 2018 -05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: San Bernardino Avenue west of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - 2018

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13400 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
98.5	207.2	444.0	955.2

TABLE 2018 -06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: San Bernardino Avenue east of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - 2018

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14100 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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101.7	214.3	459.3	988.2

TABLE 2035 -01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue north of San Bernardino Avenue
NOTES: Tri-City Industrial Complex - 2035

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 29600 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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163.8	349.9	752.3	1619.8

TABLE 2035 -02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue between San Bernardino Avenue and
Victoria Avenue
NOTES: Tri-City Industrial Complex - 2035

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 25500 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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148.7	317.0	681.2	1466.6

TABLE 2035 -03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Tippecanoe Avenue south of Victoria Avenue
NOTES: Tri-City Industrial Complex - 2035

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 32100 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
172.7	369.2	794.0	1709.7

TABLE 2035 -04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: Victoria Avenue east of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - 2035

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3700 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	----	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	75.2	161.6	347.9

TABLE 2035 -05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: San Bernardino Avenue west of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - 2035

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18300 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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120.0	254.5	546.2	1175.7

TABLE 2035 -06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/03/2016
ROADWAY SEGMENT: San Bernardino Avenue east of Tippecanoe Avenue
NOTES: Tri-City Industrial Complex - 2035

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19200 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.68	10.27	7.63
M-TRUCKS	6.87	0.40	0.84
H-TRUCKS	10.66	0.33	1.33

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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123.8	262.7	563.9	1213.9