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# APPENDIX I

## NOISE ANALYSIS RESULTS



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TABLE Existing Without Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Cerritos Avenue west of Walker Street

NOTES: Cypress Town Center Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30000      SPEED (MPH): 45      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.5	156.1	333.2	716.3

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TABLE Existing Without Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Cerritos Avenue east of Walker Street  
NOTES: Cypress Town Center Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 29000      SPEED (MPH): 45      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): 30      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.1	153.7	326.1	700.1

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TABLE Existing Without Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17000      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	90.2	188.8	404.1

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TABLE Existing Without Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Vessels Circle

NOTES: Cypress Town Center Project - Existing Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24000      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
56.2	112.0	236.9	508.1

TABLE Existing Without Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Walker Street from Vessels Circle to Katella Avenue

NOTES: Cypress Town Center Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24000      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
56.2	112.0	236.9	508.1

---

TABLE Existing Without Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street north of Katella Avenue  
NOTES: Cypress Town Center Project - Existing Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45000      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.4	205.1	436.5	937.8

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TABLE Existing Without Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street south of Katella Avenue  
NOTES: Cypress Town Center Project - Existing Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 55000      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
113.1	233.7	498.6	1071.8

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TABLE Existing Without Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue west of Siboney Street  
NOTES: Cypress Town Center Project - Existing Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45000      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.1	170.0	359.7	771.8

TABLE Existing Without Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue from Siboney Street to Walker Street  
NOTES: Cypress Town Center Project - Existing Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45000      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.1	170.0	359.7	771.8

TABLE Existing Without Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street

NOTES: Cypress Town Center Project - Existing Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 47000      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
103.0	211.0	449.3	965.3

TABLE Existing Without Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Existing Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30000      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.1	158.3	333.9	716.0

TABLE Existing Without Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - Existing Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3200      SPEED (MPH): 25      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	69.4

TABLE Existing Without Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street south of Katella Avenue  
NOTES: Cypress Town Center Project - Existing Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2500      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	54.1

TABLE Existing Without Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Vessels Circle west of Walker Street  
NOTES: Cypress Town Center Project - Existing Without Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 400      SPEED (MPH): 25      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 46.17

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 Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Cerritos Avenue west of Walker Street  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30100      SPEED (MPH): 45      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.7	156.5	333.9	717.9

TABLE Existing With Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Cerritos Avenue east of Walker Street

NOTES: Cypress Town Center Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 29100      SPEED (MPH): 45      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): 30      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.3	154.1	326.9	701.7

---

TABLE Existing With Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17100      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	90.5	189.5	405.7

TABLE Existing With Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Vessels Circle

NOTES: Cypress Town Center Project - Existing With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24400      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
56.7	113.2	239.5	513.8

---

TABLE Existing With Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street from Vessels Circle to Katella Avenue  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24600      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
56.9	113.8	240.8	516.6

TABLE Existing With Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street north of Katella Avenue  
NOTES: Cypress Town Center Project - Existing With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45000      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.4	205.1	436.5	937.8

---

TABLE Existing With Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street south of Katella Avenue  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 55200      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
113.3	234.2	499.8	1074.4

TABLE Existing With Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue west of Siboney Street  
NOTES: Cypress Town Center Project - Existing With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45200      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.3	170.5	360.8	774.1

---



TABLE Existing With Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue from Siboney Street to Walker Street  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45200      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.3	170.5	360.8	774.1

TABLE Existing With Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street

NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 47400      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
103.5	212.2	451.8	970.8

TABLE Existing With Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Katella Avenue east of Valley View Street

NOTES: Cypress Town Center Project - Existing With Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30200      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.4	158.9	335.4	719.2

---

TABLE Existing With Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3200      SPEED (MPH): 25      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	69.4

TABLE Existing With Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street south of Katella Avenue  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2500      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	54.1

TABLE Existing With Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Vessels Circle west of Walker Street  
NOTES: Cypress Town Center Project - Existing With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1400      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.61

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

TABLE 2022 Without Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Cerritos Avenue west of Walker Street  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31100      SPEED (MPH): 45      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.2	159.9	341.3	733.7

TABLE 2022 Without Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Cerritos Avenue east of Walker Street  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30100      SPEED (MPH): 45      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.8	157.4	334.3	717.7



TABLE 2022 Without Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17700      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	92.5	193.9	415.1

TABLE 2022 Without Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Vessels Circle  
NOTES: Cypress Town Center Project - 2022 Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25700      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
58.3	117.0	247.8	531.8

---

TABLE 2022 Without Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street from Vessels Circle to Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25800      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
58.4	117.3	248.4	533.2

TABLE 2022 Without Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street north of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 46500      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
102.4	209.5	446.1	958.5

TABLE 2022 Without Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street south of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Without Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 57200      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
115.8	239.7	511.7	1100.2

---

TABLE 2022 Without Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue west of Siboney Street  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 50100      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.3	182.1	386.2	829.0

TABLE 2022 Without Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue from Siboney Street to Walker Street  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 50800      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.1	183.7	389.7	836.6

TABLE 2022 Without Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street

NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 48200      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
104.5	214.5	456.8	981.6



TABLE 2022 Without Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 32100      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
83.1	165.2	349.2	749.0

TABLE 2022 Without Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5400      SPEED (MPH): 25      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	93.6

TABLE 2022 Without Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street south of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5000      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	85.0

TABLE 2022 Without Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Vessels Circle west of Walker Street  
NOTES: Cypress Town Center Project - 2022 Without Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 400      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 46.17

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

TABLE 2022 With Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Cerritos Avenue west of Walker Street  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31200      SPEED (MPH): 45      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.3	160.2	342.0	735.2

TABLE 2022 With Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Cerritos Avenue east of Walker Street  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30200      SPEED (MPH): 45      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.9	157.8	335.0	719.3

TABLE 2022 With Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17800      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	92.8	194.6	416.7

TABLE 2022 With Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Vessels Circle  
NOTES: Cypress Town Center Project - 2022 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26100      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
58.8	118.2	250.4	537.3

---



TABLE 2022 With Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street from Vessels Circle to Katella Avenue  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26400      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.2	119.0	252.2	541.4

TABLE 2022 With Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street north of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 46500      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
102.4	209.5	446.1	958.5

TABLE 2022 With Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street south of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 57400      SPEED (MPH): 45      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): 36      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
-----	-----	-----	-----
116.0	240.3	512.9	1102.7

TABLE 2022 With Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue west of Siboney Street  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 50300      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.5	182.6	387.2	831.2

TABLE 2022 With Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue from Siboney Street to Walker Street  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51000      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.3	184.2	390.7	838.8

TABLE 2022 With Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 48600      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
105.1	215.6	459.4	987.1

TABLE 2022 With Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 32300      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
83.3	165.9	350.6	752.1

TABLE 2022 With Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5400      SPEED (MPH): 25      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	93.6



TABLE 2022 With Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street south of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5000      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	85.0

TABLE 2022 With Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Vessels Circle west of Walker Street  
NOTES: Cypress Town Center Project - 2022 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1400      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.61

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

TABLE 2022 Cumulative With Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Cerritos Avenue west of Walker Street

NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31700      SPEED (MPH): 45      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.1	161.9	345.6	743.1

TABLE 2022 Cumulative With Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Cerritos Avenue east of Walker Street  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30700      SPEED (MPH): 45      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.6	159.4	338.6	727.2

TABLE 2022 Cumulative With Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Walker Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18200      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	94.1	197.5	422.9

TABLE 2022 Cumulative With Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Vessels Circle  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27300      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.3	121.6	257.9	553.6

TABLE 2022 Cumulative With Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Walker Street from Vessels Circle to Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27700      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.8	122.7	260.4	559.0

TABLE 2022 Cumulative With Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street north of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 47300      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
103.4	211.9	451.2	969.4



TABLE 2022 Cumulative With Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Valley View Street south of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 58500      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
117.3	243.2	519.4	1116.7

TABLE 2022 Cumulative With Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Katella Avenue west of Siboney Street  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 54500      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
94.8	192.2	408.3	876.7

TABLE 2022 Cumulative With Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Katella Avenue from Siboney Street to Walker Street

NOTES: Cypress Town Center Project - 2022 Cumulative With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 55900      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
96.1	195.4	415.2	891.6

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TABLE 2022 Cumulative With Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street

NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51600      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
108.8	224.2	478.0	1027.2

TABLE 2022 Cumulative With Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020

ROADWAY SEGMENT: Katella Avenue east of Valley View Street

NOTES: Cypress Town Center Project - 2022 Cumulative With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 33800      SPEED (MPH): 45      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): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.4	170.7	361.3	775.1

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TABLE 2022 Cumulative With Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7500      SPEED (MPH): 25      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): 30      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	59.4	114.4

TABLE 2022 Cumulative With Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Siboney Street south of Katella Avenue  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7400      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	51.9	110.0

TABLE 2022 Cumulative With Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 11/06/2020  
ROADWAY SEGMENT: Vessels Circle west of Walker Street  
NOTES: Cypress Town Center Project - 2022 Cumulative With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1400      SPEED (MPH): 25      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.61

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