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## APPENDIX H

# NOISE ANALYSIS RESULTS



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TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue west of Los Alamitos Boulevard  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22200      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) = 67.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	106.6	225.0	482.6

TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Los Alamitos Boulevard to  
Bloomfield Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25660      SPEED (MPH): 35      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) = 66.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	95.1	199.6	427.5

TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Bloomfield Street and Denni Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26255      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) = 68.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.0	118.6	251.3	539.4

TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Denni Street and Moody Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27365      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) = 69.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
71.5	147.1	313.5	673.8

TABLE Existing-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Moody Street and Walker Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30485      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) = 70.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.3	157.8	336.8	724.0

TABLE Existing-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Walker Street and Valley View Street

NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27125      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) = 69.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.4	147.3	312.0	669.7



TABLE Existing-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21190      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) = 68.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
61.7	124.7	264.7	568.3

TABLE Existing-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17390      SPEED (MPH): 35      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) = 64.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	79.5	156.9	331.0

TABLE Existing-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Los Alamitos Boulevard from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25125      SPEED (MPH): 35      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) = 65.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.5	198.5	422.0

TABLE Existing-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Los Alamitos Boulevard from Katella Avenue to Farquhar Avenue

NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 33830      SPEED (MPH): 35      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) = 67.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
62.7	116.2	240.7	513.8

TABLE Existing-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard south of Farquhar Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 35980      SPEED (MPH): 35      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) = 67.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
64.4	120.6	250.5	535.3

TABLE Existing-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Bloomfield Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12950      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) = 65.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	76.4	158.0	337.3

TABLE Existing-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Bloomfield Street from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11990      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) = 64.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.0	150.3	320.5

TABLE Existing-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Denni Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7660      SPEED (MPH): 35      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): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	90.4	191.7



TABLE Existing-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Lexington Drive from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4825      SPEED (MPH): 35      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	65.5	140.5

TABLE Existing-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Moody Street north Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10410      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) = 64.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	67.1	137.2	291.9

TABLE Existing-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15900      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) = 66.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	86.5	180.7	386.6

TABLE Existing-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19850      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) = 67.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	99.4	209.1	448.0

TABLE Existing-19  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37440      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) = 70.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.4	182.3	386.5	829.7

TABLE Existing-20  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38235      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) = 70.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.5	184.7	391.9	841.4

TABLE Existing-21  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street from Katella Avenue to Orangewood Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51485      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) = 71.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
108.7	223.8	477.2	1025.7

TABLE Existing-22  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street south of Orangewood Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 42570      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) = 70.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
97.3	197.9	420.8	903.7



TABLE Existing-23  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from I-605 Ramps to Wallingsford Road  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 49955      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) = 70.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.2	181.8	385.4	827.4

TABLE Existing-24  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Wallingsford Road to Los Alamitos Road

NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 44415      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) = 69.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
84.5	168.6	356.6	765.1

TABLE Existing-25  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Los Alamitos Road to Bloomfield Street

NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38980      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) = 69.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.8	155.2	327.2	701.5

TABLE Existing-26  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Bloomfield Street to Denni  
Street/Lexington Drive  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37135      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) = 69.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.8	150.6	317.0	679.3

TABLE Existing-27  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Denni Street/Lexington Drive to Cottonwood Way  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37390      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) = 69.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.1	151.2	318.4	682.4

TABLE Existing-28  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Cottonwood Way to Siboney Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37940      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) = 69.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.7	152.6	321.5	689.0

TABLE Existing-29  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Siboney Street to Winners Circle  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37460      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) = 69.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.2	151.4	318.8	683.2

TABLE Existing-30  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Winners Circle to Walker Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37610      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) = 69.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.3	151.8	319.6	685.0



TABLE Existing-31  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 43675      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) = 71.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
98.7	201.2	428.0	919.3

TABLE Existing-32  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30070      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) = 69.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.2	158.5	334.5	717.1

TABLE Existing-33  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3130      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) = 53.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	68.6

TABLE Existing-34  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Winners Circle north of Katella Avenue  
NOTES: Cypress Town Center Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1960      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): 6      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.65

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

Project-01

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue west of Los Alamitos Boulevard  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22200      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) = 67.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	106.6	225.0	482.6

Project-02

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Los Alamitos Boulevard to  
Bloomfield Street

NOTES: Cypress Town Center Project - Existing Plus Previously Approved  
Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25660      SPEED (MPH): 35      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) = 66.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	95.1	199.6	427.5

Project-03

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Bloomfield Street and Denni Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26255      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) = 68.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.0	118.6	251.3	539.4

Project-04

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Denni Street and Moody Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27365      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) = 69.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
71.5	147.1	313.5	673.8



Project-05

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Moody Street and Walker Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30685      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) = 70.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.6	158.5	338.2	727.1

Project-06

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue from Walker Street and Valley View Street  
 NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27275      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) = 69.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.6	147.8	313.2	672.2

Project-07

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21290      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) = 68.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
61.8	125.1	265.5	570.1

Project-08

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17590      SPEED (MPH): 35      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) = 64.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	80.0	158.1	333.5

Project-09

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25325      SPEED (MPH): 35      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) = 66.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	98.0	199.5	424.2

Project-10

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard from Katella Avenue to Farquhar Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 33980      SPEED (MPH): 35      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) = 67.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
62.8	116.5	241.4	515.4

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Project-11

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard south of Farquhar Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36180      SPEED (MPH): 35      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) = 67.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
64.6	121.0	251.5	537.3

Project-12

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Bloomfield Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13150      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) = 65.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.1	159.6	340.8



Project-13

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Bloomfield Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12190      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) = 64.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.7	151.9	324.1

Project-14

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Denni Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7860      SPEED (MPH): 35      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): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	91.9	195.0

Project-15

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Lexington Drive from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5125      SPEED (MPH): 35      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	68.1	146.3

Project-16

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Moody Street north Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10610      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) = 64.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	67.9	138.9	295.6

Project-17

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16100      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) = 66.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	87.2	182.2	389.8

Project-18

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20550      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) = 67.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	101.5	213.9	458.4

Project-19

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37840      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) = 70.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.0	183.5	389.2	835.6

Project-20

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38635      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) = 70.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.0	186.0	394.6	847.2



Project-21

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street from Katella Avenue to Orangewood Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51885      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) = 71.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
109.2	225.0	479.7	1031.0

Project-22

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street south of Orangewood Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 42970      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) = 70.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
97.8	199.1	423.4	909.4

Project-23

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from I-605 Ramps to Wallingsford Road  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 50555      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) = 70.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.8	183.1	388.5	834.0

Project-24

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Wallingsford Road to Los Alamitos Road  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45015      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	170.1	359.8	772.0

Project-25

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Los Alamitos Road to Bloomfield Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39930      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) = 69.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.8	157.6	332.5	712.8

Project-26

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Bloomfield Street to Denni  
Street/Lexington Drive  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved  
Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38435      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) = 69.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.2	153.9	324.2	695.0

Project-27

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Denni Street/Lexington Drive to  
Cottonwood Way  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved  
Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39190      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) = 69.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.0	155.8	328.4	704.0

Project-28

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Cottonwood Way to Siboney Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39840      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) = 69.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.7	157.4	332.0	711.8



Project-29

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Siboney Street to Winners Circle

NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37460      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) = 69.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.2	151.4	318.8	683.2

Project-30

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Winners Circle to Walker Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39610      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) = 69.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.5	156.8	330.7	709.0

Project-31

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 44875      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) = 71.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.3	204.8	435.7	936.0

Project-32

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30470      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) = 69.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.8	159.8	337.4	723.5

Project-33

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Siboney Street north of Katella Avenue

NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5130      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) = 55.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	90.8

Project-34

TABLE Existing Plus Previously Approved  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Winners Circle north of Katella Avenue  
NOTES: Cypress Town Center Project - Existing Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3960      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): 6      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	72.5

TABLE Existing Plus Modified Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue west of Los Alamitos Boulevard

NOTES: Cypress Town Center Project - Existing Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22200      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) = 67.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	106.6	225.0	482.6

TABLE Existing Plus Modified Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Los Alamitos Boulevard to  
Bloomfield Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25660      SPEED (MPH): 35      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) = 66.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	95.1	199.6	427.5



TABLE Existing Plus Modified Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Bloomfield Street and Denni Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26255      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) = 68.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.0	118.6	251.3	539.4

TABLE Existing Plus Modified Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Denni Street and Moody Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27365      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) = 69.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
71.5	147.1	313.5	673.8

TABLE Existing Plus Modified Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Moody Street and Walker Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30565      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) = 70.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.4	158.1	337.4	725.2

TABLE Existing Plus Modified Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Walker Street and Valley View Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27285      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) = 69.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.6	147.8	313.3	672.3

TABLE Existing Plus Modified Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21350      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) = 68.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
61.9	125.3	266.0	571.1

TABLE Existing Plus Modified Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17580      SPEED (MPH): 35      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) = 64.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	80.0	158.0	333.3

TABLE Existing Plus Modified Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Los Alamitos Boulevard from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25300      SPEED (MPH): 35      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) = 66.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.9	199.4	423.9

TABLE Existing Plus Modified Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Los Alamitos Boulevard from Katella Avenue to Farquhar Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 34070      SPEED (MPH): 35      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) = 67.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
62.9	116.7	241.8	516.3



TABLE Existing Plus Modified Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard south of Farquhar Avenue  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36220      SPEED (MPH): 35      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) = 67.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
64.6	121.1	251.6	537.7

TABLE Existing Plus Modified Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Bloomfield Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13030      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) = 65.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	76.7	158.7	338.7

TABLE Existing Plus Modified Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Bloomfield Street from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12070      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) = 64.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.2	151.0	322.0

TABLE Existing Plus Modified Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Denni Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7740      SPEED (MPH): 35      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): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	91.0	193.0

TABLE Existing Plus Modified Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Lexington Drive from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4950      SPEED (MPH): 35      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	66.6	142.9

TABLE Existing Plus Modified Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Moody Street north Cerritos Avenue  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10490      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) = 64.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	67.4	137.9	293.4

TABLE Existing Plus Modified Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Walker Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16060      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) = 66.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	87.1	181.9	389.1

TABLE Existing Plus Modified Project-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20295      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) = 67.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	100.7	212.1	454.6



TABLE Existing Plus Modified Project-19  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Valley View Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37770      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) = 70.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.9	183.3	388.8	834.6

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TABLE Existing Plus Modified Project-20  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

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

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38565      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) = 70.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.9	185.7	394.2	846.2

TABLE Existing Plus Modified Project-21  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

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

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51965      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) = 71.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
109.3	225.2	480.2	1032.0

TABLE Existing Plus Modified Project-22  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street south of Orangewood Avenue  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 43050      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) = 71.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
97.9	199.4	423.9	910.5

TABLE Existing Plus Modified Project-23  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from I-605 Ramps to Wallingsford Road  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 50750      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) = 70.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.0	183.6	389.5	836.1

TABLE Existing Plus Modified Project-24  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Wallingsford Road to Los Alamitos Road

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45215      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	360.9	774.3

TABLE Existing Plus Modified Project-25  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Los Alamitos Road to Bloomfield Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40185      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) = 69.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.1	158.2	333.9	715.9

TABLE Existing Plus Modified Project-26  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Bloomfield Street to Denni  
Street/Lexington Drive

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38465      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) = 69.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.3	153.9	324.4	695.3



TABLE Existing Plus Modified Project-27  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Denni Street/Lexington Drive to Cottonwood Way  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38930      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) = 69.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.7	155.1	327.0	700.9

TABLE Existing Plus Modified Project-28  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Cottonwood Way to Siboney Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39525      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) = 69.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.4	156.6	330.2	708.0

TABLE Existing Plus Modified Project-29  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Siboney Street to Winners Circle

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39105      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) = 69.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.9	155.5	327.9	703.0

TABLE Existing Plus Modified Project-30  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Winners Circle to Walker Street

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39230      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) = 69.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.1	155.9	328.6	704.5

TABLE Existing Plus Modified Project-31  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

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

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 44810      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) = 71.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.2	204.6	435.3	935.1

TABLE Existing Plus Modified Project-32  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30400      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) = 69.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.7	159.6	336.9	722.4

TABLE Existing Plus Modified Project-33  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Siboney Street north of Katella Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3810      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) = 54.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	76.4

TABLE Existing Plus Modified Project-34  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Winners Circle north of Katella Avenue

NOTES: Cypress Town Center Project - Existing Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2950      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): 6      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	59.7



TABLE Opening Year 2021-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue west of Los Alamitos Boulevard  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23370      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) = 67.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	110.1	232.8	499.3

TABLE Opening Year 2021-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Los Alamitos Boulevard to  
Bloomfield Street  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26480      SPEED (MPH): 35      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) = 66.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.0	203.8	436.6

TABLE Opening Year 2021-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Bloomfield Street and Denni Street

NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27085      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) = 68.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.1	121.0	256.6	550.7

TABLE Opening Year 2021-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Denni Street and Moody Street  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28405      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) = 69.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.1	150.7	321.4	690.7

TABLE Opening Year 2021-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Moody Street and Walker Street  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31680      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	161.8	345.5	742.7

TABLE Opening Year 2021-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Walker Street and Valley View Street

NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28065      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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.8	150.5	319.1	685.0

TABLE Opening Year 2021-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22050      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) = 68.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.1	127.9	271.7	583.5

TABLE Opening Year 2021-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17940      SPEED (MPH): 35      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) = 64.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	80.8	160.0	337.8



TABLE Opening Year 2021-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Los Alamitos Boulevard from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26190      SPEED (MPH): 35      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) = 66.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	99.9	203.9	433.8

TABLE Opening Year 2021-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Los Alamitos Boulevard from Katella Avenue to Farquhar Avenue

NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 34605      SPEED (MPH): 35      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) = 67.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.3	117.8	244.3	521.6

TABLE Opening Year 2021-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard south of Farquhar Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36790      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
65.1	122.2	254.2	543.3

TABLE Opening Year 2021-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Bloomfield Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13230      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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.4	160.3	342.2

TABLE Opening Year 2021-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Bloomfield Street from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12260      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) = 64.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.9	152.5	325.3

TABLE Opening Year 2021-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Denni Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8390      SPEED (MPH): 35      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): 18      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	95.8	203.6

TABLE Opening Year 2021-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Lexington Drive from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5850      SPEED (MPH): 35      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	74.4	159.7

TABLE Opening Year 2021-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Moody Street north Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10860      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) = 64.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	68.8	141.0	300.2



TABLE Opening Year 2021-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16440      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) = 66.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	88.3	184.7	395.2

TABLE Opening Year 2021-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20645      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) = 67.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	101.8	214.5	459.8

TABLE Opening Year 2021-19  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38760      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) = 70.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.2	186.3	395.5	849.1

TABLE Opening Year 2021-20  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

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

NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39625      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) = 70.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
93.4	189.0	401.3	861.6

TABLE Opening Year 2021-21  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street from Katella Avenue to Orangewood Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 53000      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) = 71.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
110.6	228.1	486.5	1045.7

TABLE Opening Year 2021-22  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street south of Orangewood Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 43810      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) = 71.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
98.9	201.6	428.8	921.2

TABLE Opening Year 2021-23  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from I-605 Ramps to Wallingsford Road  
NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 51410      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) = 70.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.7	185.1	392.8	843.3

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TABLE Opening Year 2021-24  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Wallingsford Road to Los Alamitos Road

NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45780      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) = 70.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.9	171.9	363.8	780.7



TABLE Opening Year 2021-25  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Los Alamitos Road to Bloomfield Street  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40260      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) = 69.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.2	158.4	334.3	716.7

TABLE Opening Year 2021-26  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Bloomfield Street to Denni  
Street/Lexington Drive  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38610      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) = 69.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.4	154.3	325.2	697.1

TABLE Opening Year 2021-27  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Denni Street/Lexington Drive to Cottonwood Way  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39535      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) = 69.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.4	156.6	330.3	708.1

TABLE Opening Year 2021-28  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Cottonwood Way to Siboney Street  
NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40305      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) = 69.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.2	158.5	334.5	717.3

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TABLE Opening Year 2021-29  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Siboney Street to Winners Circle  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40185      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) = 69.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.1	158.2	333.9	715.9

TABLE Opening Year 2021-30  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Winners Circle to Walker Street  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40250      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) = 69.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.2	158.4	334.2	716.6

TABLE Opening Year 2021-31  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

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

NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45915      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) = 71.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
101.6	207.8	442.4	950.4

TABLE Opening Year 2021-32  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Opening Year 2021

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30950      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) = 69.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.4	161.4	340.9	731.0



TABLE Opening Year 2021-33  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3540      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) = 54.33

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

TABLE Opening Year 2021-34  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Winners Circle north of Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2150      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): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.05

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

TABLE Opening Year 2021 Plus Previously  
 Approved Project-01  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue west of Los Alamitos Boulevard  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23370      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) = 67.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	110.1	232.8	499.3

TABLE Opening Year 2021 Plus Previously  
 Approved Project-02  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue from Los Alamitos Boulevard to  
 Bloomfield Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26480      SPEED (MPH): 35      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) = 66.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.0	203.8	436.6

TABLE Opening Year 2021 Plus Previously  
 Approved Project-03  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue from Bloomfield Street and Denni Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27085      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) = 68.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.1	121.0	256.6	550.7

TABLE Opening Year 2021 Plus Previously  
 Approved Project-04  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue from Denni Street and Moody Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28405      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) = 69.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.1	150.7	321.4	690.7

TABLE Opening Year 2021 Plus Previously  
 Approved Project-05  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue from Moody Street and Walker Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31880      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) = 70.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.4	162.5	346.9	745.9

TABLE Opening Year 2021 Plus Previously  
 Approved Project-06  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue from Walker Street and Valley View Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28265      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) = 69.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.1	151.2	320.6	688.3



TABLE Opening Year 2021 Plus Previously  
Approved Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22250      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) = 68.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.4	128.7	273.4	587.1

TABLE Opening Year 2021 Plus Previously  
 Approved Project-08  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Los Alamitos Boulevard north of Cerritos Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18140      SPEED (MPH): 35      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) = 64.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	81.3	161.2	340.3

TABLE Opening Year 2021 Plus Previously  
 Approved Project-09  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Los Alamitos Boulevard from Cerritos Avenue to Katella Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26390      SPEED (MPH): 35      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) = 66.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	100.3	204.9	435.9

TABLE Opening Year 2021 Plus Previously  
 Approved Project-10  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Los Alamitos Boulevard from Katella Avenue to Farquhar Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 34805      SPEED (MPH): 35      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) = 67.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.5	118.2	245.2	523.6

TABLE Opening Year 2021 Plus Previously  
 Approved Project-11  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Los Alamitos Boulevard south of Farquhar Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36990      SPEED (MPH): 35      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) = 67.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
65.3	122.7	255.1	545.2

TABLE Opening Year 2021 Plus Previously  
 Approved Project-12  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Bloomfield Street north of Cerritos Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13430      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) = 65.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	78.1	161.8	345.6

TABLE Opening Year 2021 Plus Previously  
Approved Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Bloomfield Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12460      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) = 65.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	74.6	154.1	328.8

TABLE Opening Year 2021 Plus Previously  
 Approved Project-14  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Denni Street north of Cerritos Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8590      SPEED (MPH): 35      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): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	97.3	206.7



TABLE Opening Year 2021 Plus Previously  
 Approved Project-15  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Lexington Drive from Cerritos Avenue to Katella Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6150      SPEED (MPH): 35      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: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	76.9	165.2

TABLE Opening Year 2021 Plus Previously  
 Approved Project-16  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Moody Street north Cerritos Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11060      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) = 64.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	69.6	142.7	303.8

TABLE Opening Year 2021 Plus Previously  
 Approved Project-17  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16640      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) = 66.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	89.0	186.2	398.4

TABLE Opening Year 2021 Plus Previously  
 Approved Project-18  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Katella Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21350      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) = 67.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	104.0	219.3	470.2

TABLE Opening Year 2021 Plus Previously  
 Approved Project-19  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Valley View Street north of Cerritos Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39160      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) = 70.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.7	187.6	398.2	854.9

TABLE Opening Year 2021 Plus Previously  
 Approved Project-20  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Valley View Street from Cerritos Avenue to Katella Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40025      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) = 70.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
93.9	190.2	404.0	867.4

TABLE Opening Year 2021 Plus Previously  
 Approved Project-21  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Valley View Street from Katella Avenue to Orangewood Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 53400      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) = 71.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
111.1	229.2	488.9	1050.9

TABLE Opening Year 2021 Plus Previously  
 Approved Project-22  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Valley View Street south of Orangewood Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 44210      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) = 71.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
99.4	202.8	431.4	926.8



TABLE Opening Year 2021 Plus Previously  
Approved Project-23  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from I-605 Ramps to Wallingsford Road  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 52010      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) = 70.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.3	186.5	395.8	849.9

TABLE Opening Year 2021 Plus Previously  
 Approved Project-24  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Wallingsford Road to Los Alamitos Road  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 46380      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) = 70.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
86.6	173.3	367.0	787.5

TABLE Opening Year 2021 Plus Previously  
 Approved Project-25  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Los Alamitos Road to Bloomfield Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41265      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) = 69.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.2	160.9	339.7	728.6

TABLE Opening Year 2021 Plus Previously  
 Approved Project-26  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Bloomfield Street to Denni  
 Street/Lexington Drive  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39915      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) = 69.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.8	157.6	332.4	712.7

TABLE Opening Year 2021 Plus Previously  
 Approved Project-27  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Denni Street/Lexington Drive to Cottonwood Way  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40885      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) = 69.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.8	160.0	337.7	724.1

TABLE Opening Year 2021 Plus Previously  
 Approved Project-28  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Cottonwood Way to Siboney Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41755      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) = 69.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.7	162.1	342.4	734.3

TABLE Opening Year 2021 Plus Previously  
 Approved Project-29  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Siboney Street to Winners Circle  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 40185      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) = 69.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.1	158.2	333.9	715.9

TABLE Opening Year 2021 Plus Previously  
 Approved Project-30  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Winners Circle to Walker Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 42265      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) = 69.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
82.3	163.4	345.2	740.3



TABLE Opening Year 2021 Plus Previously  
 Approved Project-31  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 47125      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) = 71.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
103.2	211.4	450.1	967.0

TABLE Opening Year 2021 Plus Previously  
 Approved Project-32  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31350      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) = 69.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
82.0	162.7	343.8	737.3

TABLE Opening Year 2021 Plus Previously  
Approved Project-33  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5540      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) = 56.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	95.1

TABLE Opening Year 2021 Plus Previously  
 Approved Project-34  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Winners Circle north of Katella Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Previously  
 Approved Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4150      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): 6      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	74.8

Project-01

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue west of Los Alamitos Boulevard  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23370      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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	110.1	232.8	499.3

Project-02

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Los Alamitos Boulevard to  
Bloomfield Street  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified  
Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26480      SPEED (MPH): 35      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) = 66.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.0	203.8	436.6

Project-03

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Bloomfield Street and Denni Street  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27085      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) = 68.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.1	121.0	256.6	550.7

Project-04

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Cerritos Avenue from Denni Street and Moody Street

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28405      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) = 69.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.1	150.7	321.4	690.7



TABLE Opening Year 2021 Plus Modified  
 Project-05  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Cerritos Avenue from Moody Street and Walker Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31760      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) = 70.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.2	162.1	346.1	744.0

Project-06

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue from Walker Street and Valley View Street  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28220      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) = 69.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.0	151.1	320.3	687.6

Project-07

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Cerritos Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22210      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) = 68.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.3	128.5	273.0	586.4

Project-08

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18110      SPEED (MPH): 35      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) = 64.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	81.3	161.0	339.9

Project-09

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26360      SPEED (MPH): 35      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) = 66.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	100.3	204.7	435.6

Project-10

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Los Alamitos Boulevard from Katella Avenue to Farquhar Avenue

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 34850      SPEED (MPH): 35      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) = 67.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.5	118.3	245.4	524.1

Project-11

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Los Alamitos Boulevard south of Farquhar Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37030      SPEED (MPH): 35      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) = 67.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
65.3	122.7	255.3	545.6

---

Project-12

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Bloomfield Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13310      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) = 65.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.7	160.9	343.5



Project-13

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Bloomfield Street from Cerritos Avenue to Katella Avenue

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12345      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) = 65.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	74.2	153.2	326.8

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Project-14

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Denni Street north of Cerritos Avenue

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8470      SPEED (MPH): 35      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): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	96.4	204.8

Project-15

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Lexington Drive from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5970      SPEED (MPH): 35      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: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	75.4	161.9

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Project-16

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Moody Street north Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10940      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) = 64.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	69.1	141.6	301.7

Project-17

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16600      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) = 66.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	88.9	185.9	397.8

Project-18

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Walker Street from Cerritos Avenue to Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21085      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) = 67.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	103.2	217.5	466.3

Project-19

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street north of Cerritos Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39070      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) = 70.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.6	187.3	397.6	853.6

Project-20  
 TABLE Opening Year 2021 Plus Modified  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Valley View Street from Cerritos Avenue to Katella Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39940      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) = 70.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
93.8	190.0	403.4	866.2



Project-21

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street from Katella Avenue to Orangewood Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 53485      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) = 71.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
111.2	229.5	489.5	1052.0

---

Project-22

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Valley View Street south of Orangewood Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 44300      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) = 71.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
99.5	203.1	432.0	928.0

Project-23

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from I-605 Ramps to Wallingsford Road

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 52205      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) = 70.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.5	187.0	396.8	852.0

Project-24

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Wallingsford Road to Los Alamitos Road

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 46575      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) = 70.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
86.8	173.8	368.0	789.7

Project-25

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Los Alamitos Road to Bloomfield Street  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41470      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) = 69.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.4	161.4	340.9	731.0

Project-26  
 TABLE Opening Year 2021 Plus Modified  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Bloomfield Street to Denni  
 Street/Lexington Drive  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified  
 Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39940      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) = 69.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.8	157.6	332.5	713.0

Project-27

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Denni Street/Lexington Drive to Cottonwood Way  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41290      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) = 69.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.2	161.0	339.9	728.9

Project-28

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Cottonwood Way to Siboney Street

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41875      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) = 69.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.9	162.4	343.1	735.7



Project-29

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue from Siboney Street to Winners Circle  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41820      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) = 69.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.8	162.3	342.8	735.1

Project-30

TABLE Opening Year 2021 Plus Modified

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019

ROADWAY SEGMENT: Katella Avenue from Winners Circle to Walker Street

NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41865      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) = 69.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.9	162.4	343.0	735.6

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TABLE Opening Year 2021 Plus Modified  
 Project-31  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Katella Avenue from Walker Street to Valley View Street  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 47040      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
-----	-----	-----	-----
103.1	211.1	449.5	965.8

Project-32

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Katella Avenue east of Valley View Street  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31270      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) = 69.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.9	162.5	343.2	736.0

Project-33  
 TABLE Opening Year 2021 Plus Modified  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
 ROADWAY SEGMENT: Siboney Street north of Katella Avenue  
 NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4210      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) = 55.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	80.9

Project-34

TABLE Opening Year 2021 Plus Modified  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 07/17/2019  
ROADWAY SEGMENT: Winners Circle north of Katella Avenue  
NOTES: Cypress Town Center Project - Opening Year 2021 Plus Modified Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3130      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): 6      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	62.1