APPENDIX I NOISE MODEL PRINTOUTS

TABLE 2008 with Project-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/13/2008

ROADWAY SEGMENT: 5th Street Truck Access Road NOTES: Santa Ana River Wash - 2008 with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 800 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING NIGHT _ _ _ ~ - - - - - -AUTOS 0.10 0.10 0.10 M-TRUCKS 0.10 0.10 0.10 H-TRUCKS 95.00 0.10 4.30

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.45

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE	TO CNET.
70 CNEL	65 CNEL	60 CNEL		CNEL
0.0	69.8	149.8	3	322.6

TABLE 2030 with Project-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/13/2008

AUTOS

ROADWAY SEGMENT: 5th Street Truck Access Road NOTES: Santa Ana River Wash - 2030 with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 800 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT 0.10 0.10 0.10 M-TRUCKS 0.10 0.10 0.10 H-TRUCKS 95.00 4.30 0.10

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.45

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
0.0	69.8	149.8	3	322.6

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS EXISTING (YEAR 2004) BASELINE CONDITIONS

TABLE 2004 -01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9030 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.09

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE	TO	CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNE	EL
					-
0.0	86.1	179.7	3	384.	5

TABLE 2004 -02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2004

AUTOS

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17815 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL _____ _____ _____ _____ 603.9 65.0 132.3 281.2

TABLE 2004 -03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18595 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT

AUTOS 75.51 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) = 69.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
66.6	136.0	289.3	621.4

TABLE 2004 -04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 WB ramp and I-30 EB ramp

NOTES: - 2004

AUTOS

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18315 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING NIGHT -----75.51 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) = 69.16

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL _____ 66.0 134.6 286.4 615.2

TABLE 2004 -05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 EB ramp and Boulder Avenue

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17290 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.91

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNE	Ĺ
70 CNEL	65 CNEL	60 CNEL	55 CNEL	
63.9	129.7	275.7	592.0	

TABLE 2004 -06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13780 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.92

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNE	L
70 CNEL	65 CNEL	60 CNEL	55 CNEL	
				
56.3	112.2	237.3	509.1	

TABLE 2004 -07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7990 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 64.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 0.0 68.2 139.7 297.4

TABLE 2004 -08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15445 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING DAY _____ ____ AUTOS 12.57 9.34 75.51 4-TRUCKS 0.19 0.09 1.56 H-TRUCKS 0.02 0.08 0.64 SITE CHARACTERISTICS: SOFT ACTIVE HALF-WIDTH (FT): 24

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 0.0 102.0 214.9 460.6

TABLE 2004 -10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10670 SPEED (MPH): 45 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.17

DISTANCE	(FEET) FROM	ROADWAY CENTERI	JINE	TO	CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNE	EL
0.0	77.8	167.3	3	360.	. 2

TABLE 2004 -11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10250 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE	
70 CNEL 65 CNEL 60 CNEL 55	CNEL
0.0 75.8 162.9 3	350.7

TABLE 2004 -12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6420 SPEED (MPH): 40 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL 65 CNEL 60 CNEL 55 CNEL

0.0 0.0 98.2 211.3

TABLE 2004 -13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2004

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12165 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 66.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 70.0 150.2 323.4

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS 2007 CONDITIONS

TABLE 2007 -01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10650 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 0.0 95.4 200.3 429.0

TABLE 2007 -02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21350 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING DAY NIGHT AUTOS 75.51 12.57 9.34 M-TRUCKS 0.09 1.56 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) = 69.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
72.2 148.7 317.0 681.3

TABLE 2007 -03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22540 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 74.6 154.0 328.6 706.3

TABLE 2007 -04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 WB ramp and I-30 EB ramp

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22960 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT ___ AUTOS 75.51 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) = 70.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
75.4 155.9 332.7 715.1

TABLE 2007 -05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 EB ramp and Boulder Avenue

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22305 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 74.1 153.0 326.3 701.4

TABLE 2007 -06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2007

AUTOS

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18470 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL -----_____ _____ -----66.3 135.4 288.0 618.6

TABLE 2007 -07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9190 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL 65 CNEL 60 CNEL 55 CNEL

0.0 74.1 153.0 326.3

TABLE 2007 -08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17025 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL 0.0 108.5 229.1 491.4

TABLE 2007 -09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12475 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL 6.0 CNEL 55 CNEL 5.0 C

TABLE 2007 -10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11650 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): 6 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
0.0	82.5	177.4	381.9

TABLE 2007 -11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11230 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT		
AUTOS					
	75.51	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) = 67.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 80.5 173.1 372.7

TABLE 2007 -12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8250 SPEED (MPH): 40 GRADE: .5

		DISTRIBUTION	PERCENTAGES NIGHT		
	DAY	EVENING	MIGHI		
AUTOS					
	75.51	12.57	9.34		
M-TRUCKS					
	1.56	0.09	0.19		
H-TRUCE	KS				
	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) = 64.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 54.1 116.0 249.7

TABLE 2007 -13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2007

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13610 SPEED (MPH): 40 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 75.3 161.9 348.5

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS 2007 CONDITIONS LAND USE ALTERNATIVE 1 ACCESS ALTERNATIVE A

TABLE 2007 Alt 1 A-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10660 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT 75.51 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) = 66.81

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
0.0	95.4	200.4	4	129.3

TABLE 2007 Alt 1 A-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20750 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
71.0 146.0 311.1 668.5

TABLE 2007 Alt 1 A-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: 5th Street between Church Avenue and Truck Access

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21965 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING NIGHT 75.51 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) = 69.95

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE T	O CNEL
70 CNEL	65 CNEL	60 CNEL	55 C	NEL
73.5	151.5	323.0	69	4.3

TABLE 2007 Alt 1 A-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street betwteen Truck Access and I-30 freeway

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22775 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
75.1 155.1 330.9 711.2

TABLE 2007 Alt 1 A-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 freeway and I-30 freeway

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22980 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL 75.5 156.0 332.8 715.5

TABLE 2007 Alt 1 A-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 freeway and Boulder Avenue

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22155 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
73.8 152.3 324.9 698.3

TABLE 2007 Alt 1 A-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18470 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT 75.51 12.57 9.34 M-TRUCKS 0.09 1.56 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) = 69.20

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
		-	
66.3	135.4	288.0	618.6

TABLE 2007 Alt 1 A-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9190 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 74.1 153.0 326.3

TABLE 2007 Alt 1 A-09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16435 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 67.54

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	106.1	223.9	480.0

TABLE 2007 Alt 1 A-10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11885 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 67.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 83.6 179.7 387.0

TABLE 2007 Alt 1 A-11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11660 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT -----75.51 12.57 9.34 M-TRUCKS 0.09 0.19 1.56 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) = 67.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 65 CNEL 60 CNEL 70 CNEL 55 CNEL ----**-**_____ _____ _____ 177.5 0.0 82.6 382.1

TABLE 2007 Alt 1 A-12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11230 SPEED (MPH): 45 GRADE: .5

ACTIVE HALF-WIDTH (FT): 6 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
0.0 80.5 173.1 372.7

TABLE 2007 Alt 1 A-13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8250 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	0.64	0.02	0.08
T OFFITTE	773 T T 777	NULL (TOP) 6	OTES OUR

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.78

DISTANCE	(FEET) FROM	ROADWAY CENTE	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	54.1	116.0	249.7

TABLE 2007 Alt 1 A-14 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2007 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13460 SPEED (MPH): 40 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.90

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE	TO CNEI	L
70 CNEL	65 CNEL	60 CNEL	55	CNEL	
0.0	74.8	160.7	3	346.0	

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS 2007 CONDITIONS

LAND USE ALTERNATIVE 1 ACCESS ALTERNATIVE B

TABLE 2007 Alt 1 B-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10660 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS		•	
	75.51	12.57	9.34
M-TRUCE	KS		•
	1.56	0.09	0.19
H-TRUCE	KS		
	0.64	0.02	0.08
λ CUTTIVE	HATE WITH	TO - (TREE) 1 TERM	מדחים מנואי

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEI	ū
70 CNEL	65 CNEL	60 CNEL	55 CNEL	
0.0	95.4	200.4	429.3	

TABLE 2007 Alt 1 B-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14105 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 57.0 113.9 241.0 517.0

TABLE 2007 Alt 1 B-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/20/2006

AUTOS

ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22770 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT 75.51 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) = 70.10

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
		-		
75.1	155.0	330.8	7	11.1

TABLE 2007 Alt 1 B-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 WB ramp and I-30 EB ramp

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23000 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
75.5 156.1 333.0 715.9

TABLE 2007 Alt 1 B-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 EB ramp and Boulder Avenue

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22155 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
73.8 152.3 324.9 698.3

TABLE 2007 Alt 1 B-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18470 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS .	•	
	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) = 69.20

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
66.3	135.4	288.0	618.6

TABLE 2007 Alt 1 B-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9190 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS .		
	1.56	0.09	0.19
H-TRUCE	KS		
	0.64	0.02	0.08
_ ~	***	mrr / mm \ 0.4	OTHE CIT

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.01

DISTANCE	(FEET) FROM	ROADWAY CENTER	TIME TO CHEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
			-
0.0	74.1	153.0	326.3

TABLE 2007 Alt 1 B-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9560 SPEED (MPH): 45 GRADE: .5

		DISTRIBUTION	
	DAY	EVENING	NIGHT
ATTEROO			
AUTOS	pe ea	10 55	0 24
V. EDITOT	75.51	12.57	9.34
M-TRUCE			
	1.56	0.09	0.19
H-TRUCE	KS		
	0.64	0.02	0.08
م دستریت	HATE WITE	TT (ETT) - 24	פידיים פעות

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.19

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE	TO CN	\mathbf{EL}
70 CNEL	65 CNEL	60 CNEL	55	CNEL	
0.0	75.9	156.9	3	34.9	

TABLE 2007 Alt 1 B-09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12715 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES NIGHT EVENING 75.51 12.57 9.34 M-TRUCKS 0.09 1.56 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) = 67.93

DISTANCE	(FEET) FROM	ROADWAY CENTE	KLINE TO CHEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	87.4	188.0	404.8

TABLE 2007 Alt 1 B-10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11890 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT

75.5

75.51 12.57 9.34

M-TRUCKS

AUTOS

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) = 67.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 83.6 179.8 387.1

TABLE 2007 Alt 1 B-11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11230 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE	(FEET) FROM	ROADWAY CENTE	KLINE TO CNET
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	80.5	173.1	372.7

TABLE 2007 Alt 1 B-12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8250 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCI	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 64.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 54.1 116.0 249.7

TABLE 2007 Alt 1 B-13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2007 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13460 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT	
AUTOS				
	75.51	12.57	9.34	
M-TRUCI	KS			
	1.56	0.09	0.19	
H-TRUCI	KS			
	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) = 66.90

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	74.8	160.7	346.0

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS 2007 CONDITIONS

LAND USE ALTERNATIVE 2 ACCESS ALTERNATIVE C

TABLE 2007 Alt 2 C-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10680 SPEED (MPH): 50 GRADE: .5

TRAFFI DAY	C DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS		
75.51	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) = 66.82

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	95.6	200.7	429.8

TABLE 2007 Alt 2 C-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21380 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING NIGHT 75.51 12.57 9.34 M-TRUCKS 0.09 1.56 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) = 69.83

DISTANCE	(FEET) FROM	ROADWAY CENTE	KTINE LO CNET
70 CNEL	65 CNEL	60 CNEL	55 CNEL
72.3	148.8	317.3	681.9

TABLE 2007 Alt 2 C-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22570 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT 75.51 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 * *

INEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.07

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
74.7	154.2	328.9	7	07.0

TABLE 2007 Alt 2 C-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 WB ramp and I-30 EB ramp

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22960 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 75.4 155.9 332.7 715.1

TABLE 2007 Alt 2 C-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 EB ramp and Boulder Avenue

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22550 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING DAY NIGHT --------AUTOS 75.51 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) = 70.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL 74.6 154.1 328.7 706.5

TABLE 2007 Alt 2 C-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18470 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
66.3 135.4 288.0 618.6

TABLE 2007 Alt 2 C-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9190 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
	-		
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 65.01

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	74.1	153.0	326.3

TABLE 2007 Alt 2 C-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17025 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT -----75.51 12.57 9.34 M-TRUCKS 0.09 0.19 1.56 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) = 67.69

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEI
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	108.5	229.1	491.4

TABLE 2007 Alt 2 C-09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12475 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL 0.0 86.3 185.6 399.7

TABLE 2007 Alt 2 C-10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11650 SPEED (MPH): 45 GRADE: .5

ACTIVE HALF-WIDTH (FT): 6 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
----- 0.0 82.5 177.4 381.9

TABLE 2007 Alt 2 C-11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11230 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT		
AUTOS					
	75.51	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) = 67.39

DISTANCE	(FEET) FROM	ROADWAY CENTE	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	80.5	173.1	372.7

TABLE 2007 Alt 2 C-12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8260 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT	
AUTOS				
	75.51	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) = 64.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 54.2 116.1 249.9

TABLE 2007 Alt 2 C-13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2007 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10960 SPEED (MPH): 40 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
0.0 65.3 140.2 301.7

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS 2030 CONDITIONS

TABLE 2030 -01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19490 SPEED (MPH): 50 GRADE: .5

ACTIVE HALF-WIDTH (FT): 24 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 68.5 140.2 298.4 641.2

TABLE 2030 -02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33785 SPEED (MPH): 50 GRADE: .5

ACTIVE HALF-WIDTH (FT): 24 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
95.6 200.7 429.9 924.9

TABLE 2030 -03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34485 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.91

DISTANCE	(FEET) FROM	ROADWAY CENTE	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
96.8	203.4	435.8	937.6

TABLE 2030 -04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 WB ramp and I-30 EB ramp

NOTES: - 2030

AUTOS

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31310 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL _____ -----91.2 190.9 408.7 879.2

TABLE 2030 -05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 EB ramp and Boulder Avenue

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27495 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.92

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
84.1	175.3	374.9	806.3

TABLE 2030 -06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16520 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.71

DISTANCE	(FEET) FROM	ROADWAY CENTERI	INE TO CNEL	
70 CNEL	65 CNEL	60 CNEL	55 CNEL	
62.2	126.0	267.5	574.3	

TABLE 2030 -07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16480 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 67.55

DISTANCE	(FEET) FROM	ROADWAY CENTE	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	106.3	224.3	480.9

TABLE 2030 -08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2030

AUTOS

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36110 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING NIGHT 75.51 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) = 70.96

DISTANCE	(FEET) FROM	ROADWAY CENTE	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
84.5	176.2	376.8	810.4

TABLE 2030 -09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2030

AUTOS

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34175 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT 75.51 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) = 72.22

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
78.5	168.7	363.2	782.3

TABLE 2030 -10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33840 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	114111 1 10	DIDIKIDOILON	THICHITION
	DAY	EVENING	NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCK	KS		
	1.56	0.09	0.19
H-TRUCK	KS		
	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) = 72.18

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

78.0 777.2 167.6 360.9

TABLE 2030 -11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2030

AUTOS

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33420 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING ---75.51 12.57 9.34 **1-TRUCKS** S 1.56 0.09 0.19 1-TRUCKS 0.02 0.08 0.64

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

* * CALCULATED NOISE LEVELS * *

INEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.12

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
77.4	166.2	357.9	770.8

TABLE 2030 -12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23340 SPEED (MPH): 40 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.29

DISTANCE	(FEET) FROM	ROADWAY CENTE	KLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	107.8	231.9	499.3

TABLE 2030 -13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2030

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33240 SPEED (MPH): 40 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

INEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.83

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
63.5	136.3	293.4	ϵ	31.9

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS 2030 CONDITIONS

LAND USE ALTERNATIVE 1 ACCESS ALTERNATIVE 1

TABLE 2030 Alt 1 A-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19500 SPEED (MPH): 50 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
68.5	140.2	298.5	6	41.4

TABLE 2030 Alt 1 A-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33185 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAYEVENING NIGHT 75.51 12.57 9.34 1-TRUCKS 1.56 0.09 0.19 I-TRUCKS 0.02 0.64 0.08

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

* * CALCULATED NOISE LEVELS * *

NEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.74

DISTANCE	(FEET) FROM	ROADWAY CENTER	TINE TO CHEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
94.5	198.4	424.8	913.9

TABLE 2030 Alt 1 A-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Church Avenue and Truck Access

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33270 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
-----94.7 198.7 425.5 915.4

TABLE 2030 Alt 1 A-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street betwteen Truck Access and I-30 freeway

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34715 SPEED (MPH): 50 GRADE: .5

ACTIVE HALF-WIDTH (FT): 24 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 97.2 204.3 437.7 941.7

TABLE 2030 Alt 1 A-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 freeway and I-30 freeway

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31330 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES
DAY EVENING NIGHT
AUTOS
75.51 12.57 9.34
V-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) = 71.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
91.2 191.0 408.9 879.5

TABLE 2030 Alt 1 A-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: 5th Street between I-30 freeway and Boulder Avenue

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27345 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING 75.51 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) = 70.90

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
83.9	174.7	373.6	8	303.3

TABLE 2030 Alt 1 A-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16520 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.71

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
62.2	126.0	267.5	574.3

TABLE 2030 Alt 1 A-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16480 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

INEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.55

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO C	NEL
70 CNEL	65 CNEL	60 CNEL	55 CNEI	د
				•
0.0	106.3	224.3	480.9)

TABLE 2030 Alt 1 A-09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35595 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT	
AUTOS				
	75.51	12.57	9.34	
M-TRUCE	KS	•		
	1.56	0.09	0.19	
H-TRUCE	KS			
	0.64	0.02	0.08	
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ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
83.8 174.6 373.3 802.7

TABLE 2030 Alt 1 A-10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33660 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.16

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
77.7 167.0 359.6 774.4

TABLE 2030 Alt 1 A-11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33850 SPEED (MPH): 45 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
78.0 167.6 360.9 777.4

TABLE 2030 Alt 1 A-12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33420 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCI	KS		•
	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) = 72.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
77.4 166.2 357.9 770.8

TABLE 2030 Alt 1 A-13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23340 SPEED (MPH): 40 GRADE: .5

	TRAFFIC	DISTRIBUTION	PERCENTAGES
	DAY	EVENING	NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	0.64	0.02	0.08
N CITTATA	113 T T3 T-7-T	NETT (TIEN)	A

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.29

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE '	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
0.0	107.8	231.9	4	99.3

TABLE 2030 Alt 1 A-14 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2030 Alt 1 A

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33090 SPEED (MPH): 40 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

NEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.81

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNE	L
70 CNEL	65 CNEL	60 CNEL	55 CNEL	
				
63.3	135.9	292.5	630.0	

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS 2030 CONDITIONS

LAND USE ALTERNATIVE 1 ACCESS ALTERNATIVE B

TABLE 2030 Alt 1 B-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19500 SPEED (MPH): 50 GRADE: .5

		DISTRIBUTION	PERCENTAGES	
	DAY	EVENING	NIGHT	
AUTOS				
÷	75.51	12.57	9.34	
4-TRUCE	KS			
	1.56	0.09	0.19	
H-TRUCE	KS			
	0.64	0.02	0.08	
ACIDITATIO	TINE TO STEE	OTT / TOTAL O. 4	OTHE OUR	~ 7

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
68.5	140.2	298.5	641.4

TABLE 2030 Alt 1 B-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19870 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.51

TABLE 2030 Alt 1 B-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34715 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --AUTOS 75.51 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) = 71.94

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
				-
97.2	204.3	437.7	9	941.7

TABLE 2030 Alt 1 B-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 WB ramp and I-30 EB ramp

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31330 SPEED (MPH): 50 GRADE: .5

	TRAFFIC I	DISTRIBUTION	PERCENTAGES
	DAY	EVENING	NIGHT
•		~	
AUTOS			
	75.51	12.57	9.34
M-TRUCKS			
	1.56	0.09	0.19
H-TRUCKS			
	0.64	0.02	0.08
ACTIVE	HALF-WID	TH (FT): 24	SITE CH

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL 91.2 191.0 408.9 879.5

TABLE 2030 Alt 1 B-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 EB ramp and Boulder Avenue

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27345 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
83.9 174.7 373.6 803.3

TABLE 2030 Alt 1 B-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16520 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.71

DISTANCE	(FEET) FROM	ROADWAY CENTE	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
62.2	126.0	267.5	574.3

TABLE 2030 Alt 1 B-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16480 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) = 67.55

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
			
0.0	106.3	224.3	480.9

TABLE 2030 Alt 1 B-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22070 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT ---75.51 12.57 9.34 1-TRUCKS 1.56 0.09 0.19 I-TRUCKS 0.64 0.02 0.08

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

* * CALCULATED NOISE LEVELS * *

"NEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.82

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
			-	. – – –
63.1	128.0	271.9	5	83.9

TABLE 2030 Alt 1 B-09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34480 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES EVENING NIGHT 75.51 12.57 9.34 4-TRUCKS 0.09 1.56 0.19 I-TRUCKS 0.64 0.02 0.08

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

* * CALCULATED NOISE LEVELS * *

NEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.26

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE T	O CNEL
70 CNEL	65 CNEL	60 CNEL	55 C	NEL
79.0	169.7	365.4	78	7.0

TABLE 2030 Alt 1 B-10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34080 SPEED (MPH): 45 GRADE: .5

	TRAFFIC	DISTRIBUTION	PERCENTAGES
	DAY	EVENING	NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	0.64	0.02	0.08
		and the second s	

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 78.4 168.4 362.6 780.9

TABLE 2030 Alt 1 B-11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33420 SPEED (MPH): 45 GRADE: .5

	TRAFFIC	DISTRIBUTION	PERCENTAGES
	DAY	EVENING	NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCI	KS		
	1.56	0.09	0.19
H-TRUCI	KS		
	0.64	0.02	0.08
			C T T T C T T

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
----- 77.4 166.2 357.9 770.8

TABLE 2030 Alt 1 B-12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23340 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS		•	
	75.51	12.57	9.34
M-TRUCI	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	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) = 69.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----0.0 107.8 231.9 499.3

TABLE 2030 Alt 1 B-13 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue south of 5th Street

NOTES: - 2030 Alt 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33090 SPEED (MPH): 40 GRADE: .5

TRAF DAY	FIC DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS		
75.5	1 12.57	9.34
1-TRUCKS		
1.5	0.09	0.19
H-TRUCKS		
0.6	4 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) = 70.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
63.3 135.9 292.5 630.0

SANTA ANA RIVER WASH EIR FHWA TRAFFIC NOISE MODEL PRINTOUTS

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2030 CONDITIONS

TABLE 2030 Alt 2 C-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street west of Alabama Street

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19520 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DIS	TRIBUTION	PERCENTAG	ES	
	DAY	EVENING	NIGHT	•	
AUTOS					
	75.51	12.57	9.34		
1-TRUC	KS				
	1.56	0.09	0.19		
H-TRUC	KS				
	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) = 69.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
68.5 140.3 298.7 641.8

TABLE 2030 Alt 2 C-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Alabama Street and Church Avenue

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33815 SPEED (MPH): 50 GRADE: .5

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.82

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
95.6	200.8	430.1	925.4

TABLE 2030 Alt 2 C-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34525 SPEED (MPH): 50 GRADE: .5

	TRAFFIC :	DISTRIBUTION EVENING	PERCENTAGES NIGHT
AUTOS			
	75.51	12.57	9.34
M-TRUCE	KS		
	1.56	0.09	0.19
H-TRUCE	KS		
	0.64	0.02	0.08
∆ ୯ Ͳፕ℧℞	ματ.π-ωτο	TH (FT) + 24	СТТЕ СНД

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL 65 CNEL 60 CNEL 55 CNEL 96.9 203.6 436.1 938.3

TABLE 2030 Alt 2 C-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 WB ramp and I-30 EB ramp

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31450 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT _ _ _ AUTOS 75.51 12.57 9.34 **M-TRUCKS** 1.56 0.09 0.19 H-TRUCKS 0.02 0.08 0.64 ACTIVE HALF-WIDTH (FT): 24

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
91.4 191.5 409.9 881.8

TABLE 2030 Alt 2 C-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between I-30 EB ramp and Boulder Avenue

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27740 SPEED (MPH): 50 GRADE: .5

	TRAFFIC	DISTRIBUTION	PERCENTAGES
	DAY	EVENING	NIGHT
\UTOS			
	75.51	12.57	9.34
1-TRUCI	KS		
	1.56	0.09	0.19
I-TRUCI	KS		
	0.64	0.02	0.08
ACTIVE	HALF-WID	TH (FT): 24	STTE CHA

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

* * CALCULATED NOISE LEVELS * *

NEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
84.6 176.4 377.1 811.0

TABLE 2030 Alt 2 C-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street east of Boulder Avenue

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16520 SPEED (MPH): 50 GRADE: .5

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

* * CALCULATED NOISE LEVELS * *

NEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL
70 CNEL 65 CNEL 60 CNEL 55 CNEL
62.2 126.0 267.5 574.3

TABLE 2030 Alt 2 C-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street north of 5th Street

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16480 SPEED (MPH): 45 GRADE: .5

TRAFFIC DIS	TRIBUTION	PERCENTAG:	ES	
DAY	EVENING	NIGHT		
\UTOS	•			
75.51	12.57	9.34		
1-TRUCKS				
1.56	0.09	0.19		
I-TRUCKS				
0.64	0.02	0.08	•	
ACTIVE HALF-WIDTH	(FT): 24	SITE (CHARACTERISTICS:	SOFT

* * CALCULATED NOISE LEVELS * *

'NEL 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
0.0 106.3 224.3 480.9

TABLE 2030 Alt 2 C-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

AUTOS

ROADWAY SEGMENT: Alabama Street between 5th Street and 3rd Street

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36185 SPEED (MPH): 45 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.97

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO CNE	L
70 CNEL	65 CNEL	60 CNEL	55 CNEL	
				
84.6	176.5	377.3	811.5	

TABLE 2030 Alt 2 C-09 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between 3rd Street and Robertson's Access

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34250 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO	CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNE	L
					-
78.6	169.0	363.8	-	783.	5

TABLE 2030 Alt 2 C-10 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street between Robertson's Access and Cemex Access

NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33840 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
AUTOS		
75.51	12.57	9.34
1-TRUCKS		
1.56	0.09	0.19
I-TRUCKS		
0.64	0.02	0.08
		~~~~ ~~

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

#### * * CALCULATED NOISE LEVELS * *

INEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.18

#### DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
78.0	167.6	360.9	777.2

#### TABLE 2030 Alt 2 C-11 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2030 Alt 2 C

#### * * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33420 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): 6 SITE CHARACTERISTICS: SOFT

#### * * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.12

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE	TO CNEL
70 CNEL	65 CNEL	60 CNEL	55	CNEL
		·		
77.4	166.2	357.9	-	770.8

### TABLE 2030 Alt 2 C-12 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Boulder Avenue north of 5th Street

NOTES: - 2030 Alt 2 C

#### * * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23350 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DIS	TRIBUTION EVENING	PERCENTAGES NIGHT		
<b>LUTOS</b>					
	75.51	12.57	9.34		
1-TRUC	KS	,		*	
	1.56	0.09	0.19		
I-TRUC	KS				
	0.64	0.02	0.08		
'CTIVE	HALF-WIDTH	(FT): 6	SITE CHAR	ACTERISTICS:	SOFT

#### * * CALCULATED NOISE LEVELS * *

NEL 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 ----- 0.0 107.8 231.9 499.4

### TABLE 2030 Alt 2 C-13 FHWA ROADWAY NOISE LEVEL ANALYSIS

**EXAMPLE 10/19/2006** 

**COADWAY SEGMENT:** Boulder Avenue south of 5th Street

IOTES: - 2030 Alt 2 C

#### * * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33495 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DAY	DISTRIBUTION EVENING	PERCENTAGES NIGHT	
LUTOS				
	75.51	12.57	9.34	
I-TRUCI	KS			
	1.56	0.09	0.19	
I-TRUCE	KS			
	0.64	0.02	0.08	
CTIVE	HALF-WID	TH (FT): 6	SITE CHAR	7

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

#### * * CALCULATED NOISE LEVELS * *

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

DISTANCE	(FEET) FROM	ROADWAY CENTER	RLINE TO CNEL
70 CNEL	65 CNEL	60 CNEL	55 CNEL
63.8	137.0	294.9	635.1