

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 DAY	PERCENTAGES EVENING	NIGHT
	---	-----	-----
AUTOS	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 CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	69.8	149.8	322.6

TABLE 2030 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 - 2030 with Project

* * ASSUMPTIONS * *

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

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	EVENING -----	NIGHT -----
AUTOS			
	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 CENTERLINE TO CNEL

70 CNEL -----	65 CNEL -----	60 CNEL -----	55 CNEL -----
0.0	69.8	149.8	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

DAY	EVENING	NIGHT
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	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) = 66.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---------	---------	---------	---------

-----	-----	-----	-----
-------	-------	-------	-------

0.0	86.1	179.7	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

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17815 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) = 69.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
65.0	132.3	281.2	603.9

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

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18315 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) = 69.16

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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 68.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 67.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 64.41

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		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 67.27

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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 67.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.8	167.3	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 66.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	75.8	162.9	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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 66.46

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 66.80

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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 69.82

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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	154.0	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 70.01

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

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18470 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) = 69.20

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 65.01

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 67.69

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 67.84

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 -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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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	54.1	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

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
---	-----	-----

AUTOS		
75.51	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 CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	95.4	200.4	429.3

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 69.70

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

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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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 CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.5	151.5	323.0	694.3

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

RUN DATE: 10/19/2006

ROADWAY SEGMENT: 5th Street between 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

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) = 70.11

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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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
-----	-----	-----	-----
75.5	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS	75.51	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) = 69.99

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
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
---	-----	-----

AUTOS		
75.51	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) = 69.20

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 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 65.01

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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 67.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 67.63

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

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
---	-----	-----

AUTOS

75.51	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	82.6	177.5	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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	54.1	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 66.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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 CENTERLINE TO CNEL

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	12.57	9.34

M-TRUCKS		
1.56	0.09	0.19

H-TRUCKS		
0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
57.0	113.9	241.0	517.0

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

RUN DATE: 10/20/2006

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
---	-----	-----

AUTOS

75.51	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 CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.1	155.0	330.8	711.1

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.5	156.1	333.0	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	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) = 69.99

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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 69.20

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 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 65.01

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 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 65.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	75.9	156.9	334.9

TABLE 2007 Alt 1 B-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 1 B

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12715 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) = 67.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

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
---	-----	-----

AUTOS		
75.51	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) = 67.64

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	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	54.1	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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS	75.51	12.57
M-TRUCKS	1.56	0.09
H-TRUCKS	0.64	0.02

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 CENTERLINE 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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 CENTERLINE 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

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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 69.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.3	148.8	317.3	681.9

RUN DATE: 10/19/2006
ROADWAY SEGMENT: 5th Street between Church Avenue and I-30 WB ramp
NOTES: - 2007 Alt 2 C

74.7	154.2	328.9	707.0
------	-------	-------	-------

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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 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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS	75.51	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 69.20

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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 65.01

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 2 C-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

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
---	-----	-----

AUTOS

75.51	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) = 67.69

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 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 67.84

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS	75.51	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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 66.01

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 69.43

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS	75.51	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) = 71.82

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 71.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31310 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) = 71.49

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	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) = 70.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
----	-----	-----

AUTOS		
75.51	12.57	9.34
M-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 * *

CNEL 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 -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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	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 CENTERLINE 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

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36110 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) = 70.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34175 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) = 72.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 72.18

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 -11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/19/2006

ROADWAY SEGMENT: Alabama Street south of Cemex Access

NOTES: - 2030

* * 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
------	------	------

I-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 CENTERLINE 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	12.57	9.34
-------	-------	------

4-TRUCKS

1.56	0.09	0.19
------	------	------

1-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) = 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 -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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	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) = 70.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---------	---------	---------	---------

-----	-----	-----	-----
-------	-------	-------	-------

63.5	136.3	293.4	631.9
------	-------	-------	-------

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		
0.64	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) = 69.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---------	---------	---------	---------

-----	-----	-----	-----
68.5	140.2	298.5	641.4

TABLE 2030 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: - 2030 Alt 1 A

* * ASSUMPTIONS * *

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	12.57	9.34
-------	-------	------

4-TRUCKS

1.56	0.09	0.19
------	------	------

1-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) = 71.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS	75.51	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) = 71.75

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 between Truck Access and I-30 freeway

NOTES: - 2030 Alt 1 A

* * 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 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
M-TRUCKS	1.56	0.09
H-TRUCKS	0.64	0.02

9.34	0.19	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

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	NIGHT
---	-----	-----

AUTOS	75.51	12.57
M-TRUCKS	1.56	0.09
H-TRUCKS	0.64	0.02

9.34

0.19

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 CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
83.9	174.7	373.6	803.3

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
----	-----	-----

AUTOS		
75.51	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) = 68.71

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 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	12.57	9.34
-------	-------	------

M-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 * *

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	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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 70.89

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 72.16

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 72.18

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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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 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-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) = 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 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	12.57	9.34
4-TRUCKS		
1.56	0.09	0.19
1-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) = 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
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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 69.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 69.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
69.2	141.9	302.3	649.5

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 CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---------	---------	---------	---------

-----	-----	-----	-----
-------	-------	-------	-------

97.2	204.3	437.7	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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
----	-----	-----

AUTOS

75.51	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) = 71.49

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

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS			
	75.51	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 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	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) = 68.71

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 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 CENTERLINE 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

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
-----	---------	-------

---	-----	-----
-----	-------	-------

AUTOS

75.51	12.57	9.34
-------	-------	------

1-TRUCKS

1.56	0.09	0.19
------	------	------

1-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) = 68.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
---------	---------	---------	---------

-----	-----	-----	-----
-------	-------	-------	-------

63.1	128.0	271.9	583.9
------	-------	-------	-------

TABLE 2030 Alt 1 B-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 1 B

* * ASSUMPTIONS * *

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
----	-----	-----

AUTOS	75.51	12.57	9.34
4-TRUCKS	1.56	0.09	0.19
1-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) = 72.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.0	169.7	365.4	787.0

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-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) = 72.21

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-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 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 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
2030 CONDITIONS
LAND USE ALTERNATIVE 2 ACCESS ALTERNATIVE C

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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	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) = 69.44

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

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 71.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE 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 PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 71.91

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		
0.64	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) = 71.51

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
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-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 * *

CNEL 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

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-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 * *

CNEL 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 DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
---	-----	-----

AUTOS		
75.51	12.57	9.34
4-TRUCKS		
1.56	0.09	0.19
1-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 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

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

DAY	EVENING	NIGHT
---	-----	-----

AUTOS

75.51	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) = 70.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

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 CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
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
-------	-------	------

4-TRUCKS

1.56	0.09	0.19
------	------	------

1-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) = 72.18

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 CENTERLINE 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 DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS			
	75.51	12.57	9.34
4-TRUCKS			
	1.56	0.09	0.19
1-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) = 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

RUN DATE: 10/19/2006
ROADWAY SEGMENT: Boulder Avenue south of 5th Street
NOTES: - 2030 Alt 2 C

* * ASSUMPTIONS * *

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

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
I-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 * *

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

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