

APPENDIX A

SHORT-TERM NOISE LEVEL MEASUREMENT SURVEY SHEETS

Project Number: NPD2001
Project Name: Sunset Crossroads
Test Personnel: Corey Knips



Noise Measurement Survey

Site Number: ST-1 Date: 11/23/21 Time: From 3:52 p.m. To 4:12 p.m.

Site Location: North edge of project site, near first utility pole to the east of the westernmost ravine.

Primary Noise Sources: Traffic on I-10, wind

Measurement Results

	dBA
L _{eq}	54.9
L _{max}	61.9
L _{min}	50.1
L _{peak}	106.1
L ₂	58.3
L ₈	56.8
L ₂₅	55.6
L ₅₀	54.4
L ₉₀	52.4
L ₉₉	51.0
SEL	85.6

Comments: _____

Equipment: Larson Davis 831 SLM Stored File: 505

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	Comments
14.0	7.2	63.7	36.6	

Project Number: NPD2001
Project Name: Sunset Crossroads
Test Personnel: Corey Knips



Noise Measurement Survey

Site Number: ST-2 Date: 11/23/21 Time: From 3:19 p.m. To 3:39 p.m.

Site Location: Near northeast corner of project site, south of large tree
near I-10

Primary Noise Sources: Traffic on I-10

Measurement Results

	dBA
L_{eq}	52.7
L_{max}	62.2
L_{min}	47.8
L_{peak}	111.1
L_2	56.7
L_8	54.8
L_{25}	53.3
L_{50}	52.1
L_{90}	50.1
L_{99}	48.9
SEL	83.5

Comments: _____

Equipment: Larson Davis 831 SLM Stored File: .504

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	Comments
14.0	7.2	63.7	36.6	wind from the SW

Project Number: NPD2001
Project Name: Sunset Crossings
Test Personnel: Corey Knips



Noise Measurement Survey

Site Number: ST-3 Date: 11/23/21 Time: From 1:25 p.m. To 1:45 p.m.

Site Location: Northeast corner of Sunset Avenue and Westward Avenue, approximately 16 feet east of Sunset Avenue pavement and 22 feet north of Westward Avenue pavement

Primary Noise Sources: Wind, very light traffic on Sunset Avenue and Westward Avenue

Measurement Results

	dBA
L _{eq}	55.6
L _{max}	68.8
L _{min}	41.2
L _{peak}	109.1
L ₂	63.8
L ₈	59.6
L ₂₅	55.9
L ₅₀	52.2
L ₉₀	47.0
L ₉₉	42.2
SEL	86.5

Comments: Wind is only 5-8 mph near the ground, but palm tree fronds about 50 feet high are blowing around like it is 20+ mph up there
Filtered out tractor idling on other side of intersection for 2-3 minutes and dirtbikes and four-wheelers in parking lot.

Equipment: Larson Davis 831 SLM Stored File: 501

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	Comments
11.0	5.7	72.9	18.2	

Project Number: NPD2001
Project Name: Sunset Crossroads
Test Personnel: Corey Knips



Noise Measurement Survey

Site Number: ST-4 Date: 11/23/21 Time: From 2:00 p.m. To 2:20 p.m.

Site Location: Northwest corner of Sunset Avenue and Bobcat Road, at Southeast corner of project site. Approximately 40 feet west of Sunset Avenue

Primary Noise Sources: Wind, very light traffic on Sunset Avenue, one vehicle on Bobcat Road

Measurement Results

	dBA
L _{eq}	48.3
L _{max}	65.4
L _{min}	33.3
L _{peak}	113.8
L ₂	56.8
L ₈	51.9
L ₂₅	46.3
L ₅₀	42.3
L ₉₀	37.5
L ₉₉	34.0
SEL	79.4

Comments: Filtered out several 4-wheelers and a dirt bike (several different events)
Gusts of wind up to 14 mph (=50 dBA+)

Equipment: Larson Davis 831 SLM Stored File: .502

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	Comments
14.2	6.5	73.3	23.2	

Project Number: NPD2001
Project Name: Sunset Crossroads
Test Personnel: Corey Knops



Noise Measurement Survey

Site Number: ST-5 Date: 11/23/21 Time: From 2:38 p.m. To 2:58 p.m.

Site Location: South edge of project site, near the west end of Bob Cat Road

Primary Noise Sources: Wind, faint aircraft noise

Measurement Results

	dBA
L_{eq}	43.1
L_{max}	55.3
L_{min}	33.7
L_{peak}	107.7
L_2	49.8
L_8	46.9
L_{25}	43.7
L_{50}	40.9
L_{90}	36.5
L_{99}	34.4
SEL	73.9

Comments: Filtered out aircraft noise

Equipment: Larson Davis 831 SLM Stored File: .503

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	Comments
13.3	7.4	69.9	29.8	

APPENDIX C

FHWA HIGHWAY TRAFFIC NOISE MODEL PRINTOUTS (OPERATIONS)

TABLE Existing No Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	87.2	182.1	389.5

TABLE Existing No Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	105.5	222.7	477.5

TABLE Existing No Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
54.1	111.3	237.3	509.9

TABLE Existing No Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41500 SPEED (MPH): 35 GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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69.4	131.9	275.2	588.5

TABLE Existing No Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15400 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	78.2	147.2	306.3

TABLE Existing No Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	93.1	193.3

TABLE Existing No Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
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AUTOS	75.51	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) = 59.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	0.0	69.6	142.7

TABLE Existing No Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	0.0	0.0	0.0

TABLE Existing No Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	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) = 44.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing No Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	71.9	148.0	315.4

TABLE Existing No Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13275 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
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AUTOS	75.51	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) = 63.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	64.0	129.9	276.1

TABLE Existing No Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9650 SPEED (MPH): 35 GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	0.0	105.4	223.5

TABLE Existing No Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4075 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08
ACTIVE HALF-WIDTH (FT):	12		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	0.0	59.4	125.9

TABLE Existing No Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
75.51	12.57	9.34
M-TRUCKS		
1.56	0.09	0.19
H-TRUCKS		
0.64	0.02	0.08
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	58.8	126.1

TABLE Existing No Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1575 SPEED (MPH): 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	66.8

TABLE Existing No Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing No Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing No Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 250 SPEED (MPH): 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.17

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

TABLE Existing No Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 250 SPEED (MPH): 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.17

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

TABLE Existing No Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	84.5	163.4	342.8

TABLE Existing No Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16850 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	113.0	229.8	488.5

TABLE Existing No Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.1	201.2	429.6

TABLE Existing No Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12450 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	90.9	187.3	399.3

TABLE Existing No Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13750 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): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.8	199.9	426.5

TABLE Existing No Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 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):	26		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.6	159.5	340.0

TABLE Existing No Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9350 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): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	77.8	156.0	330.5

TABLE Existing No Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	91.5	187.3

TABLE Existing No Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 44.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing No Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2300 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) = 59.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	106.7

TABLE Existing No Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH): 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.74

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

TABLE Existing No Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing No Project-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

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

TABLE Existing No Project-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing No Project-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/21/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Existing No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22550 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.5	185.0	395.8

TABLE Existing + Phase 1a-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	107.2	226.3	485.4

TABLE Existing + Phase 1a-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.19	12.52	9.30
M-TRUCKS	1.57	0.09	0.19
H-TRUCKS	0.99	0.03	0.12

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.5	121.2	258.8	556.4

TABLE Existing + Phase 1a-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.31	12.54	9.31
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.87	0.03	0.11

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.9	140.4	294.0	629.4

TABLE Existing + Phase 1a-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16200 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	74.99	12.48	9.27
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	1.24	0.04	0.16

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.5	172.0	361.3

TABLE Existing + Phase 1a-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.57	12.58	9.35
M-TRUCKS	1.51	0.09	0.19
H-TRUCKS	0.62	0.03	0.06

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	93.2	193.4

TABLE Existing + Phase 1a-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5000 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.58	9.34
M-TRUCKS	1.52	0.08	0.18
H-TRUCKS	0.62	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) = 59.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	70.4	144.6

TABLE Existing + Phase 1a-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 47.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11900 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.55	12.58	9.34
M-TRUCKS	1.54	0.09	0.18
H-TRUCKS	0.63	0.02	0.07
ACTIVE HALF-WIDTH (FT):	24		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	71.8	147.7	314.8

TABLE Existing + Phase 1a-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13625 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.56	12.58	9.35
M-TRUCKS	1.52	0.09	0.18
H-TRUCKS	0.62	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) = 64.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	64.6	131.4	279.4

TABLE Existing + Phase 1a-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	70.83	11.79	8.76
M-TRUCKS	1.70	0.10	0.20
H-TRUCKS	5.72	0.18	0.72

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
57.6	117.5	249.9	536.7

TABLE Existing + Phase 1a-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	67.45	11.22	8.35
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	9.65	0.30	1.21

ACTIVE HALF-WIDTH (FT): 12 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
-----	-----	-----	-----
60.4	128.1	274.9	591.8

TABLE Existing + Phase 1a-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9850 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	67.48	11.23	8.35
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	9.61	0.30	1.21

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.5	127.6	274.7	591.5

TABLE Existing + Phase 1a-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7700 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.30	10.88	8.08
M-TRUCKS	1.47	0.08	0.18
H-TRUCKS	12.11	0.38	1.52

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.16

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
57.3	123.0	264.6	569.9

TABLE Existing + Phase 1a-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 650 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	70.92	11.69	8.77
M-TRUCKS	1.23	0.00	0.00
H-TRUCKS	6.31	0.15	0.93

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	79.3

TABLE Existing + Phase 1a-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 500 SPEED (MPH) : 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	68.14	11.22	8.42
M-TRUCKS	1.60	0.00	0.20
H-TRUCKS	9.02	0.20	1.20

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
	-----	-----	-----	-----
	0.0	0.0	0.0	79.3

TABLE Existing + Phase 1a-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.60	12.40	9.20
M-TRUCKS	1.60	0.00	0.00
H-TRUCKS	0.80	0.00	0.40

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 49.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	75.60	12.40	9.20
M-TRUCKS			
	1.60	0.00	0.00
H-TRUCKS			
	0.80	0.00	0.40

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 49.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	85.4	165.6	347.6

TABLE Existing + Phase 1a-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16850 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	113.0	229.8	488.5

TABLE Existing + Phase 1a-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.1	201.2	429.6

TABLE Existing + Phase 1a-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12550 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	91.3	188.2	401.4

TABLE Existing + Phase 1a-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13850 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.64	0.02	0.07
ACTIVE HALF-WIDTH (FT):	31		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.5	199.2	425.0

TABLE Existing + Phase 1a-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.6	159.5	340.0

TABLE Existing + Phase 1a-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9500 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.54	12.57	9.34
M-TRUCKS	1.54	0.08	0.19
H-TRUCKS	0.63	0.02	0.09
ACTIVE HALF-WIDTH (FT):	32		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	78.9	158.5	335.9

TABLE Existing + Phase 1a-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.59	12.42	9.23
M-TRUCKS	1.47	0.09	0.18
H-TRUCKS	1.75	0.05	0.22

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	63.3	122.0	255.6

TABLE Existing + Phase 1a-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	70.28	11.72	8.69
M-TRUCKS	0.83	0.07	0.07
H-TRUCKS	7.17	0.21	0.96

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	71.2	143.9

TABLE Existing + Phase 1a-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2650 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.77	12.60	9.40
M-TRUCKS	1.36	0.08	0.15
H-TRUCKS	0.57	0.00	0.07

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	52.7	113.0

TABLE Existing + Phase 1a-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH) : 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.74

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

TABLE Existing + Phase 1a-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1a-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1a

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1b-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22550 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.5	185.0	395.8

TABLE Existing + Phase 1b-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	107.2	226.3	485.4

TABLE Existing + Phase 1b-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33900 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
54.5	112.3	239.4	514.4

TABLE Existing + Phase 1b-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.53	12.58	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.08

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
69.8	132.7	276.9	592.3

TABLE Existing + Phase 1b-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15900 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.57	12.58	9.35
M-TRUCKS	1.51	0.09	0.18
H-TRUCKS	0.62	0.02	0.08

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	79.1	149.3	310.9

TABLE Existing + Phase 1b-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.57	12.58	9.35
M-TRUCKS	1.51	0.09	0.19
H-TRUCKS	0.62	0.03	0.06

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	93.2	193.4

TABLE Existing + Phase 1b-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.58	9.34
M-TRUCKS	1.52	0.08	0.18
H-TRUCKS	0.62	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) = 59.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	70.4	144.6

TABLE Existing + Phase 1b-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1b-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 47.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1b-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11900 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.55	12.58	9.34
M-TRUCKS	1.54	0.09	0.18
H-TRUCKS	0.63	0.02	0.07

ACTIVE HALF-WIDTH (FT): 24 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	71.8	147.7	314.8

TABLE Existing + Phase 1b-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13625 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.56	12.58	9.35
M-TRUCKS	1.52	0.09	0.18
H-TRUCKS	0.62	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) = 64.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	64.6	131.4	279.4

TABLE Existing + Phase 1b-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13350 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	72.72	12.10	8.99
M-TRUCKS	1.46	0.09	0.17
H-TRUCKS	3.87	0.12	0.48

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	101.2	214.2	459.7

TABLE Existing + Phase 1b-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11125 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	67.68	11.27	8.38
M-TRUCKS	1.49	0.09	0.19
H-TRUCKS	9.44	0.30	1.16

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
64.2	136.4	292.9	630.6

TABLE Existing + Phase 1b-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11150 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	67.70	11.27	8.38
M-TRUCKS			
	1.49	0.09	0.19
H-TRUCKS			
	9.42	0.30	1.16

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

63.5 136.2 293.2 631.5

TABLE Existing + Phase 1b-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9025 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.89	10.97	8.15
M-TRUCKS	1.40	0.08	0.18
H-TRUCKS	11.53	0.35	1.45

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
61.9	132.9	285.9	615.8

TABLE Existing + Phase 1b-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7650 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	64.23	10.69	7.95
M-TRUCKS	1.37	0.08	0.17
H-TRUCKS	13.41	0.42	1.68

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.4	129.6	278.8	600.5

TABLE Existing + Phase 1b-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7375 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	63.97	10.64	7.91
M-TRUCKS	1.37	0.08	0.16
H-TRUCKS	13.72	0.42	1.73

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
	-----	-----	-----	-----
	59.8	128.2	276.0	594.4

TABLE Existing + Phase 1b-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	64.05	10.65	7.92
M-TRUCKS			
	1.37	0.08	0.17
H-TRUCKS			
	13.64	0.43	1.69

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.7	125.8	270.8	583.2

TABLE Existing + Phase 1b-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6150 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	63.14	10.50	7.80
M-TRUCKS	1.45	0.08	0.18
H-TRUCKS	14.55	0.46	1.84

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
55.0	117.9	253.8	546.5

TABLE Existing + Phase 1b-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	85.4	165.6	347.6

TABLE Existing + Phase 1b-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16850 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	113.0	229.8	488.5

TABLE Existing + Phase 1b-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13900 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08
ACTIVE HALF-WIDTH (FT):	30		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.1	201.2	429.6

TABLE Existing + Phase 1b-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12550 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	91.3	188.2	401.4

TABLE Existing + Phase 1b-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13850 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.64	0.02	0.07

ACTIVE HALF-WIDTH (FT): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.5	199.2	425.0

TABLE Existing + Phase 1b-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.6	159.5	340.0

TABLE Existing + Phase 1b-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9500 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.54	12.57	9.34
M-TRUCKS	1.54	0.08	0.19
H-TRUCKS	0.63	0.02	0.09
ACTIVE HALF-WIDTH (FT):	32		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	78.9	158.5	335.9

TABLE Existing + Phase 1b-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7400 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.53	12.58	9.35
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.64	0.01	0.07

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	91.1	186.4

TABLE Existing + Phase 1b-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH) : 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

ACTIVE HALF-WIDTH (FT) : 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 46.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1b-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2650 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.77	12.60	9.40
M-TRUCKS	1.36	0.08	0.15
H-TRUCKS	0.57	0.00	0.07

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	52.7	113.0

TABLE Existing + Phase 1b-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH) : 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.74

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

TABLE Existing + Phase 1b-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1400 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	59.79	9.93	7.36
M-TRUCKS	1.71	0.07	0.21
H-TRUCKS	18.07	0.57	2.29

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	92.0	197.9

TABLE Existing + Phase 1b-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3400 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	61.24	10.18	7.56
M-TRUCKS			
	1.62	0.09	0.21
H-TRUCKS			
	16.53	0.53	2.04

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	72.6	156.0	335.8

TABLE Existing + Phase 1b-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4825 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
60.75	10.11	7.52
M-TRUCKS		
1.62	0.08	0.21
H-TRUCKS		
17.03	0.54	2.14
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	93.7	201.6	434.1

TABLE Existing + Phase 1b-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1b

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5900 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	62.62	10.42	7.74
M-TRUCKS	1.44	0.08	0.19
H-TRUCKS	15.13	0.47	1.91

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	99.8	214.6	462.1

TABLE Existing + Phase 1-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22550 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.5	185.0	395.8

TABLE Existing + Phase 1-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	107.2	226.3	485.4

TABLE Existing + Phase 1-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.36	12.54	9.32
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.82	0.03	0.10

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
56.7	117.1	249.9	537.3

TABLE Existing + Phase 1-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.34	12.54	9.32
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.84	0.03	0.10

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.3	138.8	290.5	621.7

TABLE Existing + Phase 1-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16200 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.07	12.50	9.28
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	1.16	0.04	0.13

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	86.3	166.8	349.9

TABLE Existing + Phase 1-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.57	12.58	9.35
M-TRUCKS	1.51	0.09	0.19
H-TRUCKS	0.62	0.03	0.06

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	93.2	193.4

TABLE Existing + Phase 1-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.58	9.34
M-TRUCKS	1.52	0.08	0.18
H-TRUCKS	0.62	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) = 59.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	70.4	144.6

TABLE Existing + Phase 1-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 47.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11900 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.55	12.58	9.34
M-TRUCKS	1.54	0.09	0.18
H-TRUCKS	0.63	0.02	0.07

ACTIVE HALF-WIDTH (FT): 24 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	71.8	147.7	314.8

TABLE Existing + Phase 1-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13625 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.56	12.58	9.35
M-TRUCKS	1.52	0.09	0.18
H-TRUCKS	0.62	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) = 64.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	64.6	131.4	279.4

TABLE Existing + Phase 1-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	72.69	12.10	8.99
M-TRUCKS	1.51	0.09	0.18
H-TRUCKS	3.85	0.12	0.47

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	97.6	206.5	442.9

TABLE Existing + Phase 1-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9825 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	67.25	11.20	8.32
M-TRUCKS	1.60	0.09	0.20
H-TRUCKS	9.83	0.31	1.20

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.5	128.3	275.4	592.9

TABLE Existing + Phase 1-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9850 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	67.27	11.20	8.31
M-TRUCKS	1.59	0.09	0.20
H-TRUCKS	9.81	0.30	1.23

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
60.1	129.0	277.5	597.7

TABLE Existing + Phase 1-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.00	10.82	8.04
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	12.38	0.38	1.55

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
58.0	124.5	267.9	576.9

TABLE Existing + Phase 1-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	61.23	10.18	7.57
M-TRUCKS			
	1.70	0.10	0.20
H-TRUCKS			
	16.42	0.52	2.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	96.2	206.8	445.3

TABLE Existing + Phase 1-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	60.61	10.08	7.49
M-TRUCKS			
	1.77	0.10	0.20
H-TRUCKS			
	17.06	0.53	2.16

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	96.7	207.9	447.8

TABLE Existing + Phase 1-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	60.42	10.05	7.47
M-TRUCKS	1.76	0.11	0.21
H-TRUCKS	17.25	0.55	2.18

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	94.9	204.1	439.4

TABLE Existing + Phase 1-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	59.97	9.97	7.42
M-TRUCKS	1.85	0.09	0.22
H-TRUCKS	17.69	0.55	2.24

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	86.9	186.7	402.1

TABLE Existing + Phase 1-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	0.63	0.02	0.09

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	85.4	165.6	347.6

TABLE Existing + Phase 1-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16850 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	113.0	229.8	488.5

TABLE Existing + Phase 1-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.1	201.2	429.6

TABLE Existing + Phase 1-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12550 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	91.3	188.2	401.4

TABLE Existing + Phase 1-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13850 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.53	12.57	9.34
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.64	0.02	0.07

ACTIVE HALF-WIDTH (FT): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.5	199.2	425.0

TABLE Existing + Phase 1-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.6	159.5	340.0

TABLE Existing + Phase 1-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9500 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.54	12.57	9.34
M-TRUCKS	1.54	0.08	0.19
H-TRUCKS	0.63	0.02	0.09

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	78.9	158.5	335.9

TABLE Existing + Phase 1-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.72	12.44	9.24
M-TRUCKS	1.46	0.08	0.18
H-TRUCKS	1.65	0.05	0.18

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	61.5	117.7	246.0

TABLE Existing + Phase 1-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	70.88	11.80	8.76
M-TRUCKS	0.76	0.07	0.07
H-TRUCKS	6.56	0.21	0.89

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	68.8	138.2

TABLE Existing + Phase 1-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2650 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.77	12.60	9.40
M-TRUCKS	1.36	0.08	0.15
H-TRUCKS	0.57	0.00	0.07

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	52.7	113.0

TABLE Existing + Phase 1-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH) : 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 750 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	63.87	10.67	7.87
M-TRUCKS	1.33	0.13	0.13
H-TRUCKS	13.87	0.40	1.73

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	51.5	110.3

TABLE Existing + Phase 1-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	59.71	9.94	7.35
M-TRUCKS	1.76	0.12	0.24
H-TRUCKS	18.06	0.59	2.23

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	104.0	223.8

TABLE Existing + Phase 1-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2450 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	57.43	9.55	7.10
M-TRUCKS	1.96	0.12	0.24
H-TRUCKS	20.41	0.65	2.54

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.7	143.2	308.2

TABLE Existing + Phase 1-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/13/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	58.67	9.77	7.27
M-TRUCKS	1.87	0.10	0.23
H-TRUCKS	19.10	0.60	2.39

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	73.3	157.5	339.0

TABLE Existing + Phase 1+2-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23200 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.59	12.58	9.35
M-TRUCKS	1.50	0.09	0.18
H-TRUCKS	0.62	0.02	0.07

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	87.9	183.8	393.3

TABLE Existing + Phase 1+2-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31575 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.59	12.58	9.35
M-TRUCKS	1.50	0.09	0.18
H-TRUCKS	0.61	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) = 67.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	107.6	227.2	487.3

TABLE Existing + Phase 1+2-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34550 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.22	12.52	9.31
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.97	0.03	0.12

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.9	122.1	260.8	560.6

TABLE Existing + Phase 1+2-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42400 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.32	12.54	9.32
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.86	0.03	0.10

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.5	139.2	291.5	623.9

TABLE Existing + Phase 1+2-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.02	12.49	9.28
M-TRUCKS	1.53	0.09	0.18
H-TRUCKS	1.22	0.04	0.15

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	87.9	170.7	358.3

TABLE Existing + Phase 1+2-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8575 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
75.71	12.61	9.36
M-TRUCKS		
1.40	0.08	0.17
H-TRUCKS		
0.57	0.02	0.08

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	97.9	204.0

TABLE Existing + Phase 1+2-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.68	12.60	9.36
M-TRUCKS	1.43	0.08	0.17
H-TRUCKS	0.58	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) = 59.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	72.3	148.9

TABLE Existing + Phase 1+2-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1+2-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 47.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1+2-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12550 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.64	12.60	9.36
M-TRUCKS	1.46	0.09	0.18
H-TRUCKS	0.60	0.02	0.05

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	72.6	149.4	318.6

TABLE Existing + Phase 1+2-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14550 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.69	12.60	9.36
M-TRUCKS	1.42	0.08	0.17
H-TRUCKS	0.58	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) = 64.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	66.5	135.8	288.9

TABLE Existing + Phase 1+2-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
70.37	11.71	8.70
M-TRUCKS		
1.47	0.09	0.18
H-TRUCKS		
6.47	0.20	0.81
ACTIVE HALF-WIDTH (FT): 21		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.3	150.4	321.5	691.3

TABLE Existing + Phase 1+2-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17675 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	64.65	10.76	7.99
M-TRUCKS	1.60	0.09	0.20
H-TRUCKS	12.73	0.40	1.58

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
102.5	219.7	472.6	1017.8

TABLE Existing + Phase 1+2-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16350 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	64.93	10.81	8.03
M-TRUCKS	1.60	0.09	0.20
H-TRUCKS	12.41	0.39	1.54

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
95.5	205.5	442.4	952.9

TABLE Existing + Phase 1+2-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8975 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	64.63	10.75	8.00
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	12.80	0.40	1.60

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
65.4	140.5	302.3	651.1

TABLE Existing + Phase 1+2-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
61.23	10.18	7.57
M-TRUCKS		
1.70	0.10	0.20
H-TRUCKS		
16.42	0.52	2.08
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.2	206.8	445.3

TABLE Existing + Phase 1+2-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	60.61	10.08	7.49
M-TRUCKS	1.77	0.10	0.20
H-TRUCKS	17.06	0.53	2.16

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.7	207.9	447.8

TABLE Existing + Phase 1+2-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
60.42	10.05	7.47
M-TRUCKS		
1.76	0.11	0.21
H-TRUCKS		
17.25	0.55	2.18
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	94.9	204.1	439.4

TABLE Existing + Phase 1+2-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	59.97	9.97	7.42
M-TRUCKS	1.85	0.09	0.22
H-TRUCKS	17.69	0.55	2.24

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
	---	---	---	---
0.0	86.9		186.7	402.1

TABLE Existing + Phase 1+2-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.56	12.58	9.34
M-TRUCKS	1.52	0.09	0.19
H-TRUCKS	0.62	0.02	0.08

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	85.3	165.5	347.3

TABLE Existing + Phase 1+2-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16850 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	113.0	229.8	488.5

TABLE Existing + Phase 1+2-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.1	201.2	429.6

TABLE Existing + Phase 1+2-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.58	9.35
M-TRUCKS	1.50	0.09	0.19
H-TRUCKS	0.62	0.02	0.07

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	91.9	189.6	404.4

TABLE Existing + Phase 1+2-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14150 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.57	12.58	9.34
M-TRUCKS	1.52	0.08	0.18
H-TRUCKS	0.62	0.02	0.09

ACTIVE HALF-WIDTH (FT): 31 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	98.6	204.1	435.6

TABLE Existing + Phase 1+2-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.6	159.5	340.0

TABLE Existing + Phase 1+2-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9800 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.60	12.58	9.35
M-TRUCKS	1.49	0.08	0.18
H-TRUCKS	0.61	0.02	0.09

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	79.9	160.9	341.1

TABLE Existing + Phase 1+2-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9450 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.20	12.35	9.18
M-TRUCKS	1.38	0.08	0.17
H-TRUCKS	2.31	0.06	0.27

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	70.9	140.0	295.3

TABLE Existing + Phase 1+2-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	70.63	11.75	8.73
M-TRUCKS	0.73	0.04	0.07
H-TRUCKS	6.91	0.22	0.92

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	102.2	213.6

TABLE Existing + Phase 1+2-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3450 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	76.20	12.67	9.42
M-TRUCKS	1.04	0.06	0.12
H-TRUCKS	0.43	0.00	0.06

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	60.2	129.1

TABLE Existing + Phase 1+2-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH) : 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.74

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

TABLE Existing + Phase 1+2-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 750 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
63.87	10.67	7.87
M-TRUCKS		
1.33	0.13	0.13
H-TRUCKS		
13.87	0.40	1.73
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	51.5	110.3

TABLE Existing + Phase 1+2-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	59.71	9.94	7.35
M-TRUCKS	1.76	0.12	0.24
H-TRUCKS	18.06	0.59	2.23

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	104.0	223.8

TABLE Existing + Phase 1+2-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2450 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	57.43	9.55	7.10
M-TRUCKS	1.96	0.12	0.24
H-TRUCKS	20.41	0.65	2.54

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.7	143.2	308.2

TABLE Existing + Phase 1+2-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	58.67	9.77	7.27
M-TRUCKS	1.87	0.10	0.23
H-TRUCKS	19.10	0.60	2.39

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.3	157.5	339.0

TABLE Existing + Phase 1+2+3-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.59	12.58	9.35
M-TRUCKS	1.50	0.09	0.18
H-TRUCKS	0.62	0.02	0.07

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.1	184.1	393.8

TABLE Existing + Phase 1+2+3-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.60	12.58	9.35
M-TRUCKS	1.49	0.09	0.18
H-TRUCKS	0.61	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) = 67.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	107.7	227.5	487.9

TABLE Existing + Phase 1+2+3-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.22	12.52	9.30
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.98	0.03	0.12

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
59.1	122.5	261.7	562.7

TABLE Existing + Phase 1+2+3-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42600 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.29	12.53	9.31
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.90	0.03	0.11

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.4	141.4	296.2	634.1

TABLE Existing + Phase 1+2+3-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16500 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	74.94	12.48	9.27
M-TRUCKS	1.53	0.09	0.19
H-TRUCKS	1.30	0.04	0.16

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	89.6	174.8	367.4

TABLE Existing + Phase 1+2+3-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8625 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.72	12.60	9.37
M-TRUCKS	1.39	0.08	0.17
H-TRUCKS	0.57	0.02	0.08

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	98.2	204.7

TABLE Existing + Phase 1+2+3-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.68	12.60	9.36
M-TRUCKS	1.43	0.08	0.17
H-TRUCKS	0.58	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) = 59.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	72.3	148.9

TABLE Existing + Phase 1+2+3-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1+2+3-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 47.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1+2+3-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12600 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.66	12.60	9.36
M-TRUCKS	1.45	0.09	0.17
H-TRUCKS	0.60	0.02	0.05

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	72.5	149.4	318.5

TABLE Existing + Phase 1+2+3-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14625 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.54	12.41	9.22
M-TRUCKS	1.73	0.10	0.21
H-TRUCKS	1.55	0.05	0.19
ACTIVE HALF-WIDTH (FT):	24		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	80.4	167.1	357.0

TABLE Existing + Phase 1+2+3-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
70.75	11.78	8.75
M-TRUCKS		
1.43	0.08	0.17
H-TRUCKS		
6.09	0.19	0.76
ACTIVE HALF-WIDTH (FT): 21		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
71.9	149.6	319.7	687.5

TABLE Existing + Phase 1+2+3-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19075 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.31	10.87	8.08
M-TRUCKS	1.67	0.10	0.21
H-TRUCKS	11.90	0.38	1.48

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
104.0	222.9	479.6	1032.8

TABLE Existing + Phase 1+2+3-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17725 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
65.54	10.90	8.11
M-TRUCKS		
1.67	0.10	0.21
H-TRUCKS		
11.64	0.37	1.46
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
97.7	210.1	452.4	974.3

TABLE Existing + Phase 1+2+3-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10225 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.59	10.92	8.11
M-TRUCKS	1.68	0.10	0.21
H-TRUCKS	11.59	0.35	1.45

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
67.5	145.0	312.1	672.3

TABLE Existing + Phase 1+2+3-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	61.23	10.18	7.57
M-TRUCKS			
	1.70	0.10	0.20
H-TRUCKS			
	16.42	0.52	2.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	96.2	206.8	445.3

TABLE Existing + Phase 1+2+3-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	60.61	10.08	7.49
M-TRUCKS	1.77	0.10	0.20
H-TRUCKS	17.06	0.53	2.16

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.7	207.9	447.8

TABLE Existing + Phase 1+2+3-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	60.42	10.05	7.47
M-TRUCKS	1.76	0.11	0.21
H-TRUCKS	17.25	0.55	2.18

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	94.9	204.1	439.4

TABLE Existing + Phase 1+2+3-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	59.97	9.97	7.42
M-TRUCKS	1.85	0.09	0.22
H-TRUCKS	17.69	0.55	2.24

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	86.9	186.7	402.1

TABLE Existing + Phase 1+2+3-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.56	12.58	9.35
M-TRUCKS	1.52	0.09	0.19
H-TRUCKS	0.62	0.02	0.07

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	84.8	164.1	344.4

TABLE Existing + Phase 1+2+3-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16850 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	113.0	229.8	488.5

TABLE Existing + Phase 1+2+3-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.1	201.2	429.6

TABLE Existing + Phase 1+2+3-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.58	9.35
M-TRUCKS	1.50	0.09	0.19
H-TRUCKS	0.62	0.02	0.07

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	91.9	189.6	404.4

TABLE Existing + Phase 1+2+3-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14200 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.58	9.35
M-TRUCKS	1.51	0.08	0.18
H-TRUCKS	0.62	0.02	0.08

ACTIVE HALF-WIDTH (FT): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	98.1	202.9	433.1

TABLE Existing + Phase 1+2+3-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.6	159.5	340.0

TABLE Existing + Phase 1+2+3-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9800 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.60	12.58	9.35
M-TRUCKS	1.49	0.08	0.18
H-TRUCKS	0.61	0.02	0.09

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	79.9	160.9	341.1

TABLE Existing + Phase 1+2+3-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.60	12.43	9.23
M-TRUCKS	1.34	0.08	0.16
H-TRUCKS	1.88	0.05	0.23

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	68.6	134.7	283.6

TABLE Existing + Phase 1+2+3-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.03	12.16	9.05
M-TRUCKS	0.56	0.03	0.07
H-TRUCKS	4.39	0.13	0.58

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	88.1	182.1

TABLE Existing + Phase 1+2+3-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3550 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	76.23	12.68	9.44
M-TRUCKS	1.01	0.06	0.11
H-TRUCKS	0.42	0.00	0.05

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	60.4	129.6

TABLE Existing + Phase 1+2+3-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH) : 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1+2+3-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 550 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	64.05	10.58	7.85
M-TRUCKS	1.28	0.00	0.18
H-TRUCKS	13.87	0.36	1.83

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	91.2

TABLE Existing + Phase 1+2+3-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	59.71	9.94	7.35
M-TRUCKS	1.76	0.12	0.24
H-TRUCKS	18.06	0.59	2.23

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	104.0	223.8

TABLE Existing + Phase 1+2+3-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2450 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	57.43	9.55	7.10
M-TRUCKS	1.96	0.12	0.24
H-TRUCKS	20.41	0.65	2.54

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.7	143.2	308.2

TABLE Existing + Phase 1+2+3-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	58.67	9.77	7.27
M-TRUCKS			
	1.87	0.10	0.23
H-TRUCKS			
	19.10	0.60	2.39

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	73.3	157.5	339.0

TABLE Existing + Phase 1+2+3+4-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.60	12.58	9.35
M-TRUCKS	1.49	0.09	0.18
H-TRUCKS	0.61	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.9	186.0	398.0

TABLE Existing + Phase 1+2+3+4-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.60	12.59	9.35
M-TRUCKS	1.49	0.09	0.18
H-TRUCKS	0.61	0.02	0.07

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	106.9	225.6	483.8

TABLE Existing + Phase 1+2+3+4-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.17	12.51	9.30
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	1.02	0.03	0.14

ACTIVE HALF-WIDTH (FT): 18 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
60.4	125.4	268.0	576.2

TABLE Existing + Phase 1+2+3+4-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.26	12.53	9.31
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.93	0.03	0.11

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
73.6	142.1	297.7	637.4

TABLE Existing + Phase 1+2+3+4-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	74.86	12.46	9.25
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	1.39	0.04	0.18

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	91.7	179.7	378.4

TABLE Existing + Phase 1+2+3+4-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8675 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.73	12.61	9.37
M-TRUCKS	1.38	0.08	0.17
H-TRUCKS	0.56	0.02	0.08

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	98.4	205.2

TABLE Existing + Phase 1+2+3+4-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5350 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.69	12.61	9.36
M-TRUCKS	1.42	0.07	0.17
H-TRUCKS	0.58	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) = 59.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	72.6	149.6

TABLE Existing + Phase 1+2+3+4-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 350 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	77.43	12.86	9.71
M-TRUCKS	0.00	0.00	0.00
H-TRUCKS	0.00	0.00	0.00

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 45.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1+2+3+4-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 47.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing + Phase 1+2+3+4-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12650 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.66	12.60	9.36
M-TRUCKS	1.45	0.09	0.17
H-TRUCKS	0.59	0.02	0.06

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.3	151.0	322.1

TABLE Existing + Phase 1+2+3+4-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14725 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	74.52	12.41	9.21
M-TRUCKS	1.72	0.10	0.21
H-TRUCKS	1.58	0.05	0.20

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	81.5	169.4	362.1

TABLE Existing + Phase 1+2+3+4-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18125 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	70.43	11.72	8.71
M-TRUCKS	1.51	0.09	0.18
H-TRUCKS	6.37	0.20	0.79

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.2	154.8	330.9	711.7

TABLE Existing + Phase 1+2+3+4-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20225 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.22	10.86	8.07
M-TRUCKS	1.74	0.10	0.22
H-TRUCKS	11.94	0.37	1.48

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----	-----
108.2	232.0	499.2	1075.0	

TABLE Existing + Phase 1+2+3+4-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18925 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
65.41	10.89	8.09
M-TRUCKS		
1.73	0.10	0.22
H-TRUCKS		
11.72	0.36	1.48
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
102.6	220.7	475.3	1023.8

TABLE Existing + Phase 1+2+3+4-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10525 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.61	10.92	8.11
M-TRUCKS	1.75	0.10	0.22
H-TRUCKS	11.50	0.36	1.43

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
68.5	147.2	316.8	682.3

TABLE Existing + Phase 1+2+3+4-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
61.52	10.22	7.60
M-TRUCKS		
1.70	0.10	0.20
H-TRUCKS		
16.12	0.52	2.02
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	94.8	204.0	439.2

TABLE Existing + Phase 1+2+3+4-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	60.67	10.10	7.49
M-TRUCKS	1.77	0.10	0.20
H-TRUCKS	16.98	0.53	2.16

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	96.6	207.7	447.2

TABLE Existing + Phase 1+2+3+4-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	60.42	10.05	7.47
M-TRUCKS	1.76	0.11	0.21
H-TRUCKS	17.25	0.55	2.18

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	94.9	204.1	439.4

TABLE Existing + Phase 1+2+3+4-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	59.97	9.97	7.42
M-TRUCKS	1.85	0.09	0.22
H-TRUCKS	17.69	0.55	2.24

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	86.9	186.7	402.1

TABLE Existing + Phase 1+2+3+4-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.56	12.58	9.35
M-TRUCKS	1.52	0.09	0.19
H-TRUCKS	0.62	0.02	0.07

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	84.8	164.1	344.4

TABLE Existing + Phase 1+2+3+4-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16850 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	113.0	229.8	488.5

TABLE Existing + Phase 1+2+3+4-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13900 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
75.51	12.57	9.34
M-TRUCKS		
1.56	0.09	0.19
H-TRUCKS		
0.64	0.02	0.08
ACTIVE HALF-WIDTH (FT): 30		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.1	201.2	429.6

TABLE Existing + Phase 1+2+3+4-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12950 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.59	9.35
M-TRUCKS	1.50	0.08	0.19
H-TRUCKS	0.62	0.02	0.07

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	92.1	189.9	405.1

TABLE Existing + Phase 1+2+3+4-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14200 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.58	12.58	9.35
M-TRUCKS	1.51	0.08	0.18
H-TRUCKS	0.62	0.02	0.08

ACTIVE HALF-WIDTH (FT): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	98.1	202.9	433.1

TABLE Existing + Phase 1+2+3+4-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.6	159.5	340.0

TABLE Existing + Phase 1+2+3+4-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9850 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.61	12.59	9.35
M-TRUCKS	1.48	0.08	0.18
H-TRUCKS	0.61	0.02	0.08

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	79.6	160.1	339.5

TABLE Existing + Phase 1+2+3+4-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.50	12.41	9.22
M-TRUCKS	1.32	0.08	0.16
H-TRUCKS	2.01	0.06	0.24

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	70.6	139.2	293.6

TABLE Existing + Phase 1+2+3+4-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	72.82	12.12	9.00
M-TRUCKS	0.64	0.03	0.06
H-TRUCKS	4.58	0.15	0.60

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	94.0	195.4

TABLE Existing + Phase 1+2+3+4-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3600 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	76.23	12.69	9.44
M-TRUCKS	1.00	0.06	0.11
H-TRUCKS	0.42	0.00	0.05

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	61.0	130.8

TABLE Existing + Phase 1+2+3+4-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH) : 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
75.51	12.57	9.34
M-TRUCKS		
1.56	0.09	0.19
H-TRUCKS		
0.64	0.02	0.08
ACTIVE HALF-WIDTH (FT) : 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.74

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

TABLE Existing + Phase 1+2+3+4-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 750 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	63.87	10.67	7.87
M-TRUCKS	1.33	0.13	0.13
H-TRUCKS	13.87	0.40	1.73

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	51.5	110.3

TABLE Existing + Phase 1+2+3+4-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	59.71	9.94	7.35
M-TRUCKS	1.76	0.12	0.24
H-TRUCKS	18.06	0.59	2.23

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	104.0	223.8

TABLE Existing + Phase 1+2+3+4-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2450 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	57.43	9.55	7.10
M-TRUCKS	1.96	0.12	0.24
H-TRUCKS	20.41	0.65	2.54

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	66.7	143.2	308.2

TABLE Existing + Phase 1+2+3+4-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Existing + Phase 1+2+3+4

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
58.67	9.77	7.27
M-TRUCKS		
1.87	0.10	0.23
H-TRUCKS		
19.10	0.60	2.39
ACTIVE HALF-WIDTH (FT): 6		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.3	157.5	339.0

TABLE 2027 No Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 25150 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	93.9	197.0	421.9

TABLE 2027 No Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
56.9	113.7	240.7	516.4

TABLE 2027 No Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.1	120.3	256.8	552.2

TABLE 2027 No Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 46750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.6	142.0	297.5	637.0

TABLE 2027 No Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17350 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	82.8	158.4	331.1

TABLE 2027 No Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	100.3	209.4

TABLE 2027 No Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5450 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	74.5	153.9

TABLE 2027 No Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2027 No Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	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) = 44.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 No Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13150 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.1	159.6	340.8

TABLE 2027 No Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	68.5	140.3	298.7

TABLE 2027 No Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	55.9	113.6	241.5

TABLE 2027 No Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4475 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	63.1	134.0

TABLE 2027 No Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4475 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	62.3	133.7

TABLE 2027 No Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	73.0

TABLE 2027 No Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 475 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 50.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 No Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 No Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 650 SPEED (MPH): 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.32

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

TABLE 2027 No Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 475 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 50.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 No Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20650 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08
ACTIVE HALF-WIDTH (FT):	42		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	89.9	176.3	371.1

TABLE 2027 No Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19000 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
67.4	121.1	248.3	528.8

TABLE 2027 No Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15650 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08
ACTIVE HALF-WIDTH (FT):	30		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	104.4	217.4	464.7

TABLE 2027 No Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14000 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.5	202.1	431.6

TABLE 2027 No Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15450 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): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	103.8	215.7	460.8

TABLE 2027 No Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14750 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	83.2	172.3	367.8

TABLE 2027 No Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10550 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): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	83.2	168.6	357.9

TABLE 2027 No Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8200 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	98.0	202.0

TABLE 2027 No Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 900 SPEED (MPH) : 35 GRADE: .5

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.97

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

TABLE 2027 No Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2550 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) = 59.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	53.3	114.3

TABLE 2027 No Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 No Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2027 No Project-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2027 No Project-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2027 No Project-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - 2027 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 + Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.58	12.58	9.35
M-TRUCKS	1.50	0.09	0.18
H-TRUCKS	0.62	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	95.5	200.7	429.8

TABLE 2027 + Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35550 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.59	12.58	9.35
M-TRUCKS	1.50	0.09	0.18
H-TRUCKS	0.61	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) = 68.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
57.9	116.0	245.7	527.2

TABLE 2027 + Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 39050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.21	12.52	9.30
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.98	0.03	0.13

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
64.0	133.6	285.6	614.3

TABLE 2027 + Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 48000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.28	12.53	9.31
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.90	0.03	0.12

ACTIVE HALF-WIDTH (FT): 37 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
78.5	153.7	323.4	693.0

TABLE 2027 + Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18600 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	74.93	12.47	9.26
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	1.31	0.04	0.16

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	95.5	188.7	398.0

TABLE 2027 + Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.70	12.61	9.37
M-TRUCKS	1.41	0.08	0.18
H-TRUCKS	0.58	0.02	0.05

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	102.6	214.3

TABLE 2027 + Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.67	12.60	9.36
M-TRUCKS	1.43	0.08	0.17
H-TRUCKS	0.59	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) = 60.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	77.6	160.7

TABLE 2027 + Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 350 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	77.43	12.86	9.71
M-TRUCKS	0.00	0.00	0.00
H-TRUCKS	0.00	0.00	0.00

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 45.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 + Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 150 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.33	12.67	9.33
M-TRUCKS	1.33	0.00	0.00
H-TRUCKS	0.67	0.00	0.67

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 47.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2027 + Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

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

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.65	12.60	9.35
M-TRUCKS	1.45	0.09	0.18
H-TRUCKS	0.60	0.02	0.06

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	78.4	162.6	347.3

TABLE 2027 + Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16400 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	74.62	12.42	9.23
M-TRUCKS	1.71	0.10	0.21
H-TRUCKS	1.48	0.05	0.18

ACTIVE HALF-WIDTH (FT): 24 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	85.2	177.7	380.1

TABLE 2027 + Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	70.64	11.76	8.74
M-TRUCKS	1.51	0.09	0.19
H-TRUCKS	6.12	0.19	0.76

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
76.6	160.2	342.7	737.0

TABLE 2027 + Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20625 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.42	10.89	8.10
M-TRUCKS	1.73	0.10	0.22
H-TRUCKS	11.72	0.36	1.46

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
108.6	232.9	501.1	1079.1

TABLE 2027 + Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19275 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	65.61	10.93	8.12
M-TRUCKS			
	1.73	0.10	0.22
H-TRUCKS			
	11.51	0.36	1.42

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

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

102.2 219.8 473.2 1019.2

TABLE 2027 + Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	65.81	10.95	8.14
M-TRUCKS			
	1.74	0.10	0.21
H-TRUCKS			
	11.27	0.35	1.43

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
69.1	148.4	319.4	687.8

TABLE 2027 + Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4275 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	62.25	10.36	7.69
M-TRUCKS	1.68	0.09	0.21
H-TRUCKS	15.29	0.49	1.94

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	95.7	205.8	443.2

TABLE 2027 + Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	62.03	10.34	7.68
M-TRUCKS	1.75	0.11	0.21
H-TRUCKS	15.47	0.48	1.93

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	73.2	157.3	338.7

TABLE 2027 + Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4200 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
---	-----	-----
AUTOS		
61.85	10.30	7.66
M-TRUCKS		
1.74	0.12	0.21
H-TRUCKS		
15.66	0.50	1.96

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	95.5	205.5	442.5

TABLE 2027 + Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3425 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	61.00	10.16	7.53
M-TRUCKS	1.81	0.09	0.23
H-TRUCKS	16.55	0.53	2.10

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	86.6	186.2	401.0

TABLE 2027 + Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.55	12.58	9.35
M-TRUCKS	1.53	0.09	0.18
H-TRUCKS	0.63	0.02	0.07

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	89.9	176.2	371.0

TABLE 2027 + Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19000 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
67.4	121.1	248.3	528.8

TABLE 2027 + Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15650 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	104.4	217.4	464.7

TABLE 2027 + Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14500 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.57	12.59	9.35
M-TRUCKS	1.50	0.09	0.19
H-TRUCKS	0.62	0.02	0.07

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	98.6	204.6	437.0

TABLE 2027 + Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15950 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.57	12.58	9.35
M-TRUCKS	1.51	0.09	0.18
H-TRUCKS	0.62	0.02	0.08

ACTIVE HALF-WIDTH (FT): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	105.4	219.1	468.2

TABLE 2027 + Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14750 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	83.2	172.3	367.8

TABLE 2027 + Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11000 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.59	12.58	9.35
M-TRUCKS	1.50	0.08	0.18
H-TRUCKS	0.62	0.02	0.08
ACTIVE HALF-WIDTH (FT):	32		SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	84.8	172.1	365.6

TABLE 2027 + Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10900 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.59	12.42	9.23
M-TRUCKS	1.34	0.07	0.17
H-TRUCKS	1.89	0.06	0.23

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.1	145.1	306.5

TABLE 2027 + Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.33	12.20	9.06
M-TRUCKS	0.81	0.05	0.10
H-TRUCKS	3.85	0.12	0.48

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	98.5	205.3

TABLE 2027 + Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3900 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	76.22	12.70	9.41
M-TRUCKS	1.03	0.05	0.13
H-TRUCKS	0.41	0.03	0.02

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	63.2	135.6

TABLE 2027 + Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2027 + Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 750 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	63.87	10.67	7.87
M-TRUCKS	1.33	0.13	0.13
H-TRUCKS	13.87	0.40	1.73

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	51.5	110.3

TABLE 2027 + Project-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	59.71	9.94	7.35
M-TRUCKS	1.76	0.12	0.24
H-TRUCKS	18.06	0.59	2.23

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	104.0	223.8

TABLE 2027 + Project-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2450 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	57.43	9.55	7.10
M-TRUCKS	1.96	0.12	0.24
H-TRUCKS	20.41	0.65	2.54

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.7	143.2	308.2

TABLE 2027 + Project-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - 2027 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	58.67	9.77	7.27
M-TRUCKS	1.87	0.10	0.23
H-TRUCKS	19.10	0.60	2.39

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	73.3	157.5	339.0

TABLE 2045 No Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 25150 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	93.9	197.0	421.9

TABLE 2045 No Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
56.9	113.7	240.7	516.4

TABLE 2045 No Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.1	120.3	256.8	552.2

TABLE 2045 No Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 46750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 37 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
73.6	142.0	297.5	637.0

TABLE 2045 No Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17400 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	82.9	158.6	331.7

TABLE 2045 No Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.9	115.1	242.0

TABLE 2045 No Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	55.5	110.5	233.5

TABLE 2045 No Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2045 No Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2045 No Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13150 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.1	159.6	340.8

TABLE 2045 No Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	70.9	145.7	310.5

TABLE 2045 No Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	55.9	113.6	241.5

TABLE 2045 No Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	67.3	143.2

TABLE 2045 No Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4950 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	66.6	142.9

TABLE 2045 No Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4700 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	64.3	138.1

TABLE 2045 No Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	74.4

TABLE 2045 No Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	74.4

TABLE 2045 No Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	74.4

TABLE 2045 No Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1075 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	52.0

TABLE 2045 No Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	89.9	176.3	371.1

TABLE 2045 No Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19000 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
67.4	121.1	248.3	528.8

TABLE 2045 No Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16300 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	107.0	223.2	477.5

TABLE 2045 No Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15200 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	102.5	213.3	455.8

TABLE 2045 No Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15450 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): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	103.8	215.7	460.8

TABLE 2045 No Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14750 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	83.2	172.3	367.8

TABLE 2045 No Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10550 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): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	83.2	168.6	357.9

TABLE 2045 No Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8200 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	98.0	202.0

TABLE 2045 No Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3150 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	109.1

TABLE 2045 No Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2550 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) = 59.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	53.3	114.3

TABLE 2045 No Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	74.4

TABLE 2045 No Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2045 No Project-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2045 No Project-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2045 No Project-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/22/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - 2045 No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2045 + Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 6th Street/Ramsey Street

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.58	12.58	9.35
M-TRUCKS	1.50	0.09	0.18
H-TRUCKS	0.62	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	95.5	200.7	429.8

TABLE 2045 + Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 6th Street/Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35550 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.59	12.58	9.35
M-TRUCKS	1.50	0.09	0.18
H-TRUCKS	0.61	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) = 68.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
57.9	116.0	245.7	527.2

TABLE 2045 + Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between I-10 WB Ramps and I-10
EB Ramps

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 39050 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.21	12.52	9.30
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.98	0.03	0.13

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
64.0	133.6	285.6	614.3

TABLE 2045 + Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of I-10 EB Ramps

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 48000 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.28	12.53	9.31
M-TRUCKS	1.55	0.09	0.19
H-TRUCKS	0.90	0.03	0.12

ACTIVE HALF-WIDTH (FT): 37 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
-----	-----	-----	-----
78.5	153.7	323.4	693.0

TABLE 2045 + Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	74.93	12.47	9.26
M-TRUCKS	1.54	0.09	0.19
H-TRUCKS	1.30	0.04	0.18

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	96.8	191.8	404.9

TABLE 2045 + Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11800 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.67	12.60	9.36
M-TRUCKS	1.43	0.08	0.18
H-TRUCKS	0.58	0.02	0.08

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	60.9	119.9	252.6

TABLE 2045 + Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Springs Avenue South of Potero Boulevard

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.60	12.59	9.35
M-TRUCKS	1.50	0.08	0.19
H-TRUCKS	0.61	0.02	0.06

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	55.6	110.7	234.0

TABLE 2045 + Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road Between Driveway 1 and Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 350 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	77.43	12.86	9.71
M-TRUCKS	0.00	0.00	0.00
H-TRUCKS	0.00	0.00	0.00

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 45.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE 2045 + Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Highland Home Road South of Sun Lakes Boulevard/Westward Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 0 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	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) = 22.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE 2045 + Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue North of Ramsey Street

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

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

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.65	12.60	9.35
M-TRUCKS	1.45	0.09	0.18
H-TRUCKS	0.60	0.02	0.06

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	78.4	162.6	347.3

TABLE 2045 + Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Ramsey Street and I-10 WB Ramps

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17250 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	74.70	12.43	9.23
M-TRUCKS	1.69	0.10	0.20
H-TRUCKS	1.41	0.04	0.20

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.3	184.7	395.1

TABLE 2045 + Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 WB Ramps and I-10 EB Ramps

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	70.64	11.76	8.74
M-TRUCKS	1.51	0.09	0.19
H-TRUCKS	6.12	0.19	0.76

ACTIVE HALF-WIDTH (FT): 21 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
76.6	160.2	342.7	737.0

TABLE 2045 + Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.65	10.93	8.12
M-TRUCKS	1.72	0.09	0.21
H-TRUCKS	11.47	0.36	1.45

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
109.4	234.6	504.7	1087.0

TABLE 2045 + Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19775 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.85	10.96	8.15
M-TRUCKS	1.72	0.10	0.21
H-TRUCKS	11.25	0.35	1.41
ACTIVE HALF-WIDTH (FT):	6	SITE CHARACTERISTICS: SOFT	

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
103.0	221.6	477.2	1027.7

TABLE 2045 + Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	67.88	11.30	8.40
M-TRUCKS	1.70	0.10	0.21
H-TRUCKS	9.01	0.29	1.11

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
71.1	152.7	328.6	707.7

TABLE 2045 + Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5650 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	65.48	10.90	8.10
M-TRUCKS			
	1.66	0.11	0.21
H-TRUCKS			
	11.73	0.37	1.44

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	98.0	210.7	453.8

TABLE 2045 + Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5500 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	65.01	10.84	8.04
M-TRUCKS	1.71	0.11	0.22
H-TRUCKS	12.22	0.36	1.49

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	98.2	211.2	454.8

TABLE 2045 + Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5350 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	64.94	10.82	8.04
M-TRUCKS	1.70	0.11	0.22
H-TRUCKS	12.28	0.37	1.52

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	97.2	209.0	450.0

TABLE 2045 + Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4025 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS			
	63.16	10.51	7.80
M-TRUCKS			
	1.79	0.10	0.22
H-TRUCKS			
	14.18	0.45	1.79

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	87.9	189.1	407.1

TABLE 2045 + Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 6th Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.55	12.58	9.35
M-TRUCKS	1.53	0.09	0.18
H-TRUCKS	0.63	0.02	0.07

ACTIVE HALF-WIDTH (FT): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	89.9	176.2	371.0

TABLE 2045 + Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Springs Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19000 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): 42 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
67.4	121.1	248.3	528.8

TABLE 2045 + Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Highland Home Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16300 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	107.0	223.2	477.5

TABLE 2045 + Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Highland Home Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15700 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.57	12.59	9.35
M-TRUCKS	1.51	0.09	0.18
H-TRUCKS	0.62	0.02	0.07

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	103.3	215.0	459.6

TABLE 2045 + Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street West of Sunset Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15950 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.57	12.58	9.35
M-TRUCKS	1.51	0.09	0.18
H-TRUCKS	0.62	0.02	0.08

ACTIVE HALF-WIDTH (FT): 31 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	105.4	219.1	468.2

TABLE 2045 + Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Ramsey Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14750 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	83.2	172.3	367.8

TABLE 2045 + Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: 1st Street West of Highland Springs Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11000 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	75.59	12.58	9.35
M-TRUCKS	1.50	0.08	0.18
H-TRUCKS	0.62	0.02	0.08

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	84.8	172.1	365.6

TABLE 2045 + Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10900 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	74.59	12.42	9.23
M-TRUCKS	1.34	0.07	0.17
H-TRUCKS	1.89	0.06	0.23

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.1	145.1	306.5

TABLE 2045 + Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	74.11	12.33	9.16
M-TRUCKS	1.08	0.06	0.13
H-TRUCKS	2.70	0.10	0.33

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.4	113.8	239.2

TABLE 2045 + Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Lincoln Street East of Sunset Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3900 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	76.22	12.70	9.41
M-TRUCKS	1.03	0.05	0.13
H-TRUCKS	0.41	0.03	0.02

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	63.2	135.6

TABLE 2045 + Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Westward Avenue East of Sunset Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	74.4

TABLE 2045 + Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 750 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	63.87	10.67	7.87
M-TRUCKS	1.33	0.13	0.13
H-TRUCKS	13.87	0.40	1.73

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	51.5	110.3

TABLE 2045 + Project-32
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	59.71	9.94	7.35
M-TRUCKS	1.76	0.12	0.24
H-TRUCKS	18.06	0.59	2.23

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	104.0	223.8

TABLE 2045 + Project-33
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2450 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	57.43	9.55	7.10
M-TRUCKS	1.96	0.12	0.24
H-TRUCKS	20.41	0.65	2.54

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.7	143.2	308.2

TABLE 2045 + Project-34
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/24/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - 2045 + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
---	---	---	---
AUTOS	58.67	9.77	7.27
M-TRUCKS	1.87	0.10	0.23
H-TRUCKS	19.10	0.60	2.39

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	73.3	157.5	339.0

APPENDIX D

FHWA HIGHWAY TRAFFIC NOISE MODEL PRINTOUTS (CONSTRUCTION)

TABLE Construction Traffic-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Highland Springs Avenue North of 1st Street/Sun Lakes Boulevard

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16525 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 43 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	80.9	153.7	320.7

TABLE Construction Traffic-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Highland Springs Avenue Between 1st Street/Sun Lakes Boulevard and Potero Boulevard

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8825 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	101.2	211.4

TABLE Construction Traffic-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sun Lakes Boulevard East of Highland Springs Road

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8425 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 32 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	99.5	205.6

TABLE Construction Traffic-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sun Lakes Boulevard West of Highland Home Road

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1275 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 28 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	64.1

TABLE Construction Traffic-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sunset Avenue Between I-10 EB Ramps and Driveway 19

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3200 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	107.4

TABLE Construction Traffic-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 19 and Lincoln Street

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3225 SPEED (MPH): 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	107.5

TABLE Construction Traffic-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sunset Avenue Between Lincoln Street and Westward Avenue

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

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

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	95.5

TABLE Construction Traffic-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sunset Avenue Between Westward Avenue and Driveway 20

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1375 SPEED (MPH): 35 GRADE: .5

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.58

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

TABLE Construction Traffic-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 20 and Driveway 21

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1375 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	61.1

TABLE Construction Traffic-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 21 and Driveway 22

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1375 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	61.1

TABLE Construction Traffic-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Sunset Avenue Between Driveway 22 and Bobcat Road

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1375 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	61.1

TABLE Construction Traffic-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 5 and Driveway 8

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1125 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Construction Traffic-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 8 and Driveway 12

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1125 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Construction Traffic-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 12 and Driveway 18

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1125 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Construction Traffic-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/05/2023

ROADWAY SEGMENT: Bobcat Road Between Driveway 18 and Sunset Avenue

NOTES: Sunset Crossroads - Construction Traffic

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1125 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	0.0

APPENDIX E

SOUNDPLAN PRINTOUTS

Sunset Crossroads

Project No. NPD2001

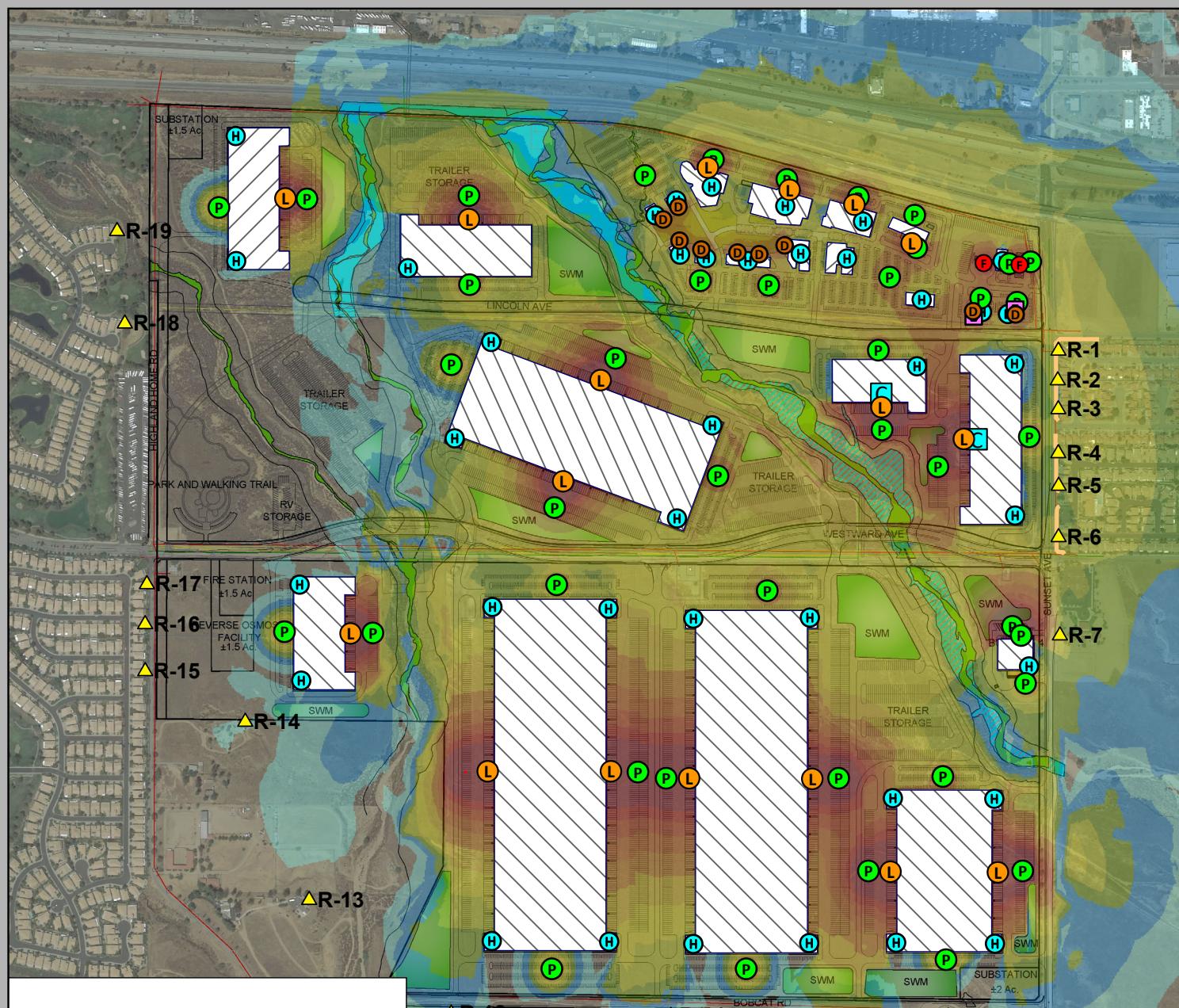
Project Operational Noise Levels - Daytime



Sunset Crossroads

Project No. NPD2001

Project Operational Noise Levels - Nighttime



Legend

- Building
- Receptor
- Fueling
- HVAC
- Outdoor Dining
- Parking
- Speakerphone
- Trailer/RV Storage
- Truck Loading/Unloading or Delivery
- Wall

Hourly Noise Level (dBA Leq)

- | |
|-------|
| < 45. |
| ≥ 45. |
| ≥ 47. |
| ≥ 49. |
| ≥ 51. |
| ≥ 53. |
| ≥ 55. |
| ≥ 57. |
| ≥ 59. |
| ≥ 61. |
| ≥ 63. |
| ≥ 65. |

Scale

0 50 100 200 300 400 feet

