

APPENDIX F
NOISE MODELING

TABLE Existing-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Francisco Drive to El Dorado Hills Blvd
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 14600 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	108.5	229.2	491.5

TABLE Existing-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - El Dorado Hills Blvd to Silva Valley Parkway
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 14400 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	105.2	226.3	487.3

TABLE Existing-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Silva Valley Parkway to Loch Way
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10300 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	98.8	212.4	457.4	

TABLE Existing-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Loch Way to Wilson Estates Connector
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	97.5	209.7	451.5	

TABLE Existing-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Wilson Estates Connector to Malcom Dixon Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	97.5	209.7	451.5	

TABLE Existing-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Malcom Dixon Road to Site Access RIRO
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	97.5	209.7	451.5	

TABLE Existing-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Site Access RIRO to Site
Access Full
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
	-----	-----	-----	-----
0.0	97.5	209.7	451.5	

TABLE Existing-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Site Access Full to Deer
Valley Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
	-----	-----	-----	-----
0.0	97.5	209.7	451.5	

TABLE Existing-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Deer Valley Road to Silver Springs Parkway
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
	-----	-----	-----	-----
0.0	95.5	205.5	442.5	

TABLE Existing-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Silver Springs Parkway to Bass Lake Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10400 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
	-----	-----	-----	-----
0.0	99.4	213.8	460.4	

TABLE Existing-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Bass Lake Road to Cambridge Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 11600 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	106.9	229.9	495.1	

TABLE Existing-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Cambridge Road to Cameron Park Drive
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 9400 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn	70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	93.5	200.0	430.2	

TABLE Existing + Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Francisco Drive to El Dorado Hills Blvd
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16300 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
58.0	116.3	246.4	528.7

TABLE Existing + Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - El Dorado Hills Blvd to Silva Valley Parkway
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17800 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
58.9	122.1	260.8	560.7

TABLE Existing + Project-03
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
 ROADWAY SEGMENT: Green Valley Road - Silva Valley Parkway to Loch Way
 NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
59.1	122.7	262.0	563.3

TABLE Existing + Project-04
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
 ROADWAY SEGMENT: Green Valley Road - Loch Way to Wilson Estates Connector
 NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
58.4	121.0	258.3	555.3

TABLE Existing + Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Wilson Estates Connector to Malcom Dixon Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
58.4	121.0	258.3	555.3

TABLE Existing + Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Malcom Dixon Road to Site Access RIRO
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
58.4	121.0	258.3	555.3

TABLE Existing + Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Site Access RIRO to Site Access Full
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
55.8	115.2	245.7	528.2

TABLE Existing + Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Site Access Full to Deer Valley Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11200 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	105.6	225.0	483.3

TABLE Existing + Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Deer Valley Road to Silver Springs Parkway
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11000 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	104.4	222.3	477.6

TABLE Existing + Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Silver Springs Parkway to Bass Lake Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11500 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	107.5	228.9	491.9

TABLE Existing + Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Bass Lake Road to Cambridge Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12500 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
55.0	113.4	241.9	519.9

TABLE Existing + Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Cambridge Road to Cameron Park Drive
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10900 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	103.8	221.0	474.7

TABLE Existing + Approved-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Francisco Drive to El Dorado Hills Blvd
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17700 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
60.8	122.6	260.2	558.5

TABLE Existing + Approved-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - El Dorado Hills Blvd to Silva Valley Parkway
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18200 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
57.3	122.9	264.5	569.6

TABLE Existing + Approved-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Silva Valley Parkway to Loch Way
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
54.0	115.8	249.3	536.8

TABLE Existing + Approved-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Loch Way to Wilson Estates Connector
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
53.2	114.1	245.5	528.6

TABLE Existing + Approved-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Wilson Estates Connector to Malcom Dixon Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12500 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
52.4	112.3	241.6	520.3

TABLE Existing + Approved-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Malcom Dixon Road to Site Access RIRO
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
53.2	114.1	245.5	528.6

TABLE Existing + Approved-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Site Access RIRO to Site Access Full
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12200 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
51.6	110.5	237.7	511.9

TABLE Existing + Approved-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Site Access Full to Deer Valley Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12200 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
51.6	110.5	237.7	511.9

TABLE Existing + Approved-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Deer Valley Road to Silver Springs Parkway
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12300 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
51.8	111.1	239.0	514.7

TABLE Existing + Approved-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Silver Springs Parkway to Bass Lake Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11300 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	105.0	225.9	486.6

TABLE Existing + Approved-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Bass Lake Road to Cambridge Road
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12600 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
52.7	112.9	242.9	523.1

TABLE Existing + Approved-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Cambridge Road to Cameron Park Drive
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11100 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	104.2	223.4	480.6

01
 TABLE Existing + Approved + Project-
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
 ROADWAY SEGMENT: Green Valley Road - Francisco Drive to El Dorado Hills Blvd
 NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved + Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 19400 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
64.0	130.1	276.4	593.7

02
 TABLE Existing + Approved + Project-
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
 ROADWAY SEGMENT: Green Valley Road - El Dorado Hills Blvd to Silva Valley Parkway
 NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved + Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 20500 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
64.2	133.9	286.4	616.0

03

TABLE Existing + Approved + Project-
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Silva Valley Parkway to Loch Way
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved + Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 16800 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
65.8	137.6	294.3	633.1

04

TABLE Existing + Approved + Project-
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Loch Way to Wilson Estates Connector
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing + Approved + Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 16500 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
65.1	136.0	290.8	625.5

05
 TABLE Existing + Approved + Project-
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
 ROADWAY SEGMENT: Green Valley Road - Wilson Estates Connector to
 Malcom Dixon Road
 NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing +
 Approved + Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 16200 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
64.4	134.3	287.3	617.9

06
 TABLE Existing + Approved + Project-
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
 ROADWAY SEGMENT: Green Valley Road - Malcom Dixon Road to Site
 Access RIRO
 NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing +
 Approved + Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 16500 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
65.1	136.0	290.8	625.5

07

TABLE Existing + Approved + Project-
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/28/2015
ROADWAY SEGMENT: Green Valley Road - Site Access RIRO to Site
Access Full
NOTES: Dixon Ranch Green Valley Blvd. Expansion - Existing +
Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14900 SPEED (MPH): 55 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
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AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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61.2	127.2	271.8	584.4