

A P P E N D I X J

N O I S E S T U D Y D A T A



Brighton Landing

Calculated Combined Traffic Noise Levels for the project site

	Existing + Approved + Project CNEL (dBA) 50 feet from Centerline of Outermost Lane	Distance to Roadway Centerline
Leisure Town Road	67.4	76
Elmira Road	65.8	76

Closest Project Outdoor Active Use Areas			
Feet to cl of Leisure Town Road	Distance Attenuation	Resulting Noise Level	Combined Noise Level
100	-2.4	65.0	
Feet to cl of Elmira Road	Distance Attenuation	Resulting Noise Level	
76	0	66.0	69

	Cumulative + Project CNEL (dBA) 50 feet from Centerline of Outermost Lane	Distance to Roadway Centerline
Leisure Town Road	69.2	76
Elmira Road	66.9	76

Closest Project Outdoor Active Use Areas			
Feet to cl of Leisure Town Road	Distance Attenuation	Resulting Noise Level	Combined Noise Level
100	-2.4	67.0	
Feet to cl of Elmira Road	Distance Attenuation	Resulting Noise Level	
76	0	67.0	70

TABLE Existing-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Orange Drive to Sequoia Drive

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17600 SPEED (MPH): 45 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	101.4	217.3	467.5

TABLE Existing-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Sequoia Drive to Ulatis Drive

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15000 SPEED (MPH): 45 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	91.3	195.4	420.2

TABLE Existing-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Ulatis Drive to Elmira Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13100 SPEED (MPH): 45 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	83.6	178.6	384.0

TABLE Existing-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14400 SPEED (MPH): 45 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	88.4	190.0	409.1

TABLE Existing-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Marshall Road to Alamo Drive

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10000 SPEED (MPH): 45 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	69.4	149.0	320.8

TABLE Existing-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Alamo Drive to Vanden Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8700 SPEED (MPH): 45 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	63.3	135.9	292.4

TABLE Existing-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012
ROADWAY SEGMENT: Ulatis Drive - west of Leisure Town Road
NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3200 SPEED (MPH): 40 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	62.2	125.8

TABLE Existing-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012
ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road
NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 50 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	0.0	54.8	117.5

TABLE Existing-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012
ROADWAY SEGMENT: Elmira Road - Leisure Town Road to Christine Drive
NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6400 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	56.6	113.0	239.0

TABLE Existing-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Christine Drive to Nut Tree Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10900 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	76.9	159.3	340.0

TABLE Existing-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012
ROADWAY SEGMENT: Elmira Road - Nut Tree Road to Allison Drive
NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14100 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	90.0	188.4	403.3

TABLE Existing-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Allison Drive to Peabody Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22800 SPEED (MPH): 45 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): 24 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
-----	-----	-----	-----
60.5	121.9	258.6	555.1

TABLE Existing-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Leisure Town Road to Nut Tree Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2300 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Existing-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Nut Tree Road to Peabody Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8200 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	52.6	110.9

TABLE Existing-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Alamo Drive - Leisure Town Road to Vanden Road

NOTES: Brighton Landing - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5500 SPEED (MPH): 45 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) = 62.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	101.5	215.9

TABLE Existing + Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Orange Drive to Sequoia Drive

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17400 SPEED (MPH): 45 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	100.7	215.6	463.9

TABLE Existing + Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Sequoia Drive to Ulatis Drive

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15200 SPEED (MPH): 45 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	92.1	197.1	424.0

TABLE Existing + Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Ulatis Drive to Elmira Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13600 SPEED (MPH): 45 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	85.7	183.1	393.7

TABLE Existing + Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16000 SPEED (MPH): 45 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	94.8	203.8	438.9

TABLE Existing + Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Marshall Road to Alamo Drive

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11800 SPEED (MPH): 45 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): 6

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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0.0 77.4 166.4 358.3

TABLE Existing + Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Alamo Drive to Vanden Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9200 SPEED (MPH): 45 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	65.7	141.0	303.5

TABLE Existing + Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012
ROADWAY SEGMENT: Ulatis Drive - west of Leisure Town Road
NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3300 SPEED (MPH): 40 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	63.3	128.3

TABLE Existing + Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9300 SPEED (MPH): 50 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	78.7	169.1	364.1

TABLE Existing + Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Leisure Town Road to Christine Drive

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11100 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	77.8	161.2	344.1

TABLE Existing + Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Christine Drive to Nut Tree Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14700 SPEED (MPH): 45 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) = 66.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	92.4	193.7	414.6

TABLE Existing + Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Nut Tree Road to Allison Drive

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15900 SPEED (MPH): 45 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): 24

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	97.0	203.9	436.8

TABLE Existing + Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Allison Drive to Peabody Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23600 SPEED (MPH): 45 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): 24 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
-----	-----	-----	-----
61.6	124.6	264.5	567.9

TABLE Existing + Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Leisure Town Road to Nut Tree Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	57.7

TABLE Existing + Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Nut Tree Road to Peabody Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8200 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	52.6	110.9

TABLE Existing + Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Alamo Drive - Leisure Town Road to Vanden Road

NOTES: Brighton Landing - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7800 SPEED (MPH): 45 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) = 64.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	61.2	127.3	272.1

TABLE Existing + Approved-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Orange Drive to Sequoia Drive

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19700 SPEED (MPH): 45 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): 26

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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56.6 111.5 234.9 503.6

TABLE Existing + Approved-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Sequoia Drive to Ulatis Drive

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16600 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	100.2	210.0	449.6

TABLE Existing + Approved-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Ulatis Drive to Elmira Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14500 SPEED (MPH): 45 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): 26

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	92.1	192.2	410.9

TABLE Existing + Approved-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16800 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	100.9	211.6	453.1

TABLE Existing + Approved-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Marshall Road to Alamo Drive

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13400 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	87.8	182.5	390.0

TABLE Existing + Approved-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Alamo Drive to Vanden Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13600 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	88.6	184.3	393.8

TABLE Existing + Approved-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Ulatis Drive - west of Leisure Town Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3500 SPEED (MPH): 40 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) = 59.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	65.4	133.3

TABLE Existing + Approved-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2000 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	65.9	133.0

TABLE Existing + Approved-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Leisure Town Road to Christine Drive

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8800 SPEED (MPH): 45 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) = 64.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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

0.0 67.8 138.6 295.0

TABLE Existing + Approved-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Christine Drive to Nut Tree Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12600 SPEED (MPH): 45 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) = 65.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	84.0	175.1	374.3

TABLE Existing + Approved-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Nut Tree Road to Allison Drive

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14600 SPEED (MPH): 45 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) = 66.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	92.0	192.8	412.8

TABLE Existing + Approved-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Allison Drive to Peabody Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23600 SPEED (MPH): 45 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): 24

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

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

61.6 124.6 264.5 567.9

TABLE Existing + Approved-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Leisure Town Road to Nut Tree Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2600 SPEED (MPH): 25 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) = 53.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	52.7

TABLE Existing + Approved-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Nut Tree Road to Peabody Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8400 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	53.4	112.7

TABLE Existing + Approved-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Alamo Drive - Leisure Town Road to Vanden Road

NOTES: Brighton Landing - Existing + Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7300 SPEED (MPH): 45 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) = 63.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	58.8	121.9	260.4

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

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Orange Drive to Sequoia Drive

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19800 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
56.8	111.8	235.7	505.3

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

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Sequoia Drive to Ulatis Drive

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17000 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	101.7	213.3	456.7

TABLE Existing + Approved + Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Ulatis Drive to Elmira Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15300 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	95.2	199.0	425.9

TABLE Existing + Approved + Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18400 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	106.8	224.7	481.4

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

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Marshall Road to Alamo Drive

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15200 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	94.8	198.2	424.0

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

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Alamo Drive to Vanden Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14300 SPEED (MPH): 45 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): 26

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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

0.0 91.4 190.4 407.2

TABLE Existing + Approved + Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Ulatis Drive - west of Leisure Town Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3600 SPEED (MPH): 40 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	66.5	135.7

TABLE Existing + Approved + Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9700 SPEED (MPH): 50 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	84.6	175.4	374.6

TABLE Existing + Approved + Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Leisure Town Road to Christine Drive

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12900 SPEED (MPH): 45 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) = 66.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	85.2	177.8	380.2

TABLE Existing + Approved + Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Christine Drive to Nut Tree Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16100 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	97.8	205.6	440.5

TABLE Existing + Approved + Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Nut Tree Road to Allison Drive

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16300 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	98.5	207.3	444.1

TABLE Existing + Approved + Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Allison Drive to Peabody Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 24300 SPEED (MPH): 45 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): 24

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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

62.7 127.0 269.7 579.1

TABLE Existing + Approved + Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Leisure Town Road to Nut Tree Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3200 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	60.1

TABLE Existing + Approved + Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Nut Tree Road to Peabody Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8400 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	53.4	112.7

TABLE Existing + Approved + Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Alamo Drive - Leisure Town Road to Vanden Road

NOTES: Brighton Landing - Existing + Approved + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8700 SPEED (MPH): 45 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) = 64.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	65.5	136.7	292.5

TABLE Cumulative 2035 Existing GP-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Orange Drive to Sequoia Drive

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31400 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
73.4	150.2	319.7	686.8

TABLE Cumulative 2035 Existing GP-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Sequoia Drive to Ulatis Drive

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27800 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
68.4	138.8	294.9	633.3

TABLE Cumulative 2035 Existing GP-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Ulatis Drive to Elmira Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 25800 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
65.6	132.3	280.7	602.6

TABLE Cumulative 2035 Existing GP-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26900 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
67.2	135.9	288.6	619.6

TABLE Cumulative 2035 Existing GP-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Marshall Road to Alamo Drive

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23300 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
62.0	124.0	262.4	563.1

TABLE Cumulative 2035 Existing GP-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Alamo Drive to Vanden Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20200 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
57.4	113.3	238.9	512.1

TABLE Cumulative 2035 Existing GP-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Ulatis Drive - west of Leisure Town Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5600 SPEED (MPH): 40 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	86.7	180.9

TABLE Cumulative 2035 Existing GP-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5400 SPEED (MPH): 50 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	60.4	120.3	254.2

TABLE Cumulative 2035 Existing GP-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Leisure Town Road to Christine Drive

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14300 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	90.8	190.2	407.1

TABLE Cumulative 2035 Existing GP-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Christine Drive to Nut Tree Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16900 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	100.8	212.3	454.9

TABLE Cumulative 2035 Existing GP-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Nut Tree Road to Allison Drive

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17800 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	104.2	219.6	470.9

TABLE Cumulative 2035 Existing GP-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Allison Drive to Peabody Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26100 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
65.3	133.0	282.7	607.3

TABLE Cumulative 2035 Existing GP-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Leisure Town Road to Nut Tree Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3600 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	64.8

TABLE Cumulative 2035 Existing GP-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Nut Tree Road to Peabody Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8400 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	53.4	112.7

TABLE Cumulative 2035 Existing GP-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Alamo Drive - Leisure Town Road to Vanden Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12900 SPEED (MPH): 45 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) = 66.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	83.8	177.2	380.1

TABLE Cum 2035 Existing GP + Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Orange Drive to Sequoia Drive

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31500 SPEED (MPH): 45 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): 26

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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73.6 150.5 320.3 688.2

TABLE Cum 2035 Existing GP + Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Sequoia Drive to Ulatis Drive

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28200 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
69.0	140.1	297.7	639.4

TABLE Cum 2035 Existing GP + Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Ulatis Drive to Elmira Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26400 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
66.5	134.3	285.0	611.9

TABLE Cum 2035 Existing GP + Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27400 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
67.9	137.6	292.1	627.2

TABLE Cum 2035 Existing GP + Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Marshall Road to Alamo Drive

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 24500 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
63.7	128.0	271.3	582.2

TABLE Cum 2035 Existing GP + Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Alamo Drive to Vanden Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20900 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
58.4	115.7	244.3	523.8

TABLE Cum 2035 Existing GP + Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Ulatis Drive - west of Leisure Town Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5800 SPEED (MPH): 40 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	88.5	185.2

TABLE Cum 2035 Existing GP + Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12600 SPEED (MPH): 50 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	99.3	208.2	445.6

TABLE Cum 2035 Existing GP + Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Leisure Town Road to Christine Drive

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16900 SPEED (MPH): 45 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) = 67.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	100.8	212.3	454.9

TABLE Cum 2035 Existing GP + Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Christine Drive to Nut Tree Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19100 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	108.9	230.1	493.5

TABLE Cum 2035 Existing GP + Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Nut Tree Road to Allison Drive

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18900 SPEED (MPH): 45 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) = 67.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	108.2	228.5	490.0

TABLE Cum 2035 Existing GP + Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Allison Drive to Peabody Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26700 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
66.2	134.9	287.0	616.6

TABLE Cum 2035 Existing GP + Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Leisure Town Road to Nut Tree Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3800 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	67.1

TABLE Cum 2035 Existing GP + Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Nut Tree Road to Peabody Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8400 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	53.4	112.7

TABLE Cum 2035 Existing GP + Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Alamo Drive - Leisure Town Road to Vanden Road

NOTES: Brighton Landing - Cum 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13700 SPEED (MPH): 45 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) = 66.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	87.1	184.3	395.6

TABLE Cumulative 2035 Proposed GP-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Orange Drive to Sequoia Drive

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31800 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
74.0	151.4	322.4	692.6

TABLE Cumulative 2035 Proposed GP-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Sequoia Drive to Ulatis Drive

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27700 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
68.3	138.5	294.2	631.8

TABLE Cumulative 2035 Proposed GP-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Ulatis Drive to Elmira Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27000 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
67.3	136.3	289.3	621.1

TABLE Cumulative 2035 Proposed GP-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28800 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
69.8	142.0	301.9	648.4

TABLE Cumulative 2035 Proposed GP-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Marshall Road to Alamo Drive

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 25000 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
64.5	129.7	274.9	590.1

TABLE Cumulative 2035 Proposed GP-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Alamo Drive to Vanden Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20700 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
58.1	115.0	242.7	520.5

TABLE Cumulative 2035 Proposed GP-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Ulatis Drive - west of Leisure Town Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6400 SPEED (MPH): 40 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	94.1	197.5

TABLE Cumulative 2035 Proposed GP-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12900 SPEED (MPH): 50 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): 26 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	100.8	211.4	452.7

TABLE Cumulative 2035 Proposed GP-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Leisure Town Road to Christine Drive

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17800 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	104.2	219.6	470.9

TABLE Cumulative 2035 Proposed GP-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Christine Drive to Nut Tree Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19900 SPEED (MPH): 45 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): 24

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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56.1 111.8 236.3 507.0

TABLE Cumulative 2035 Proposed GP-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Nut Tree Road to Allison Drive

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19200 SPEED (MPH): 45 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): 24

SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

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

0.0 109.3 230.9 495.2

TABLE Cumulative 2035 Proposed GP-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Allison Drive to Peabody Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26200 SPEED (MPH): 45 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
65.4	133.3	283.5	608.9

TABLE Cumulative 2035 Proposed GP-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Leisure Town Road to Nut Tree Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4200 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	71.6

TABLE Cumulative 2035 Proposed GP-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Marshall Road - Nut Tree Road to Peabody Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8400 SPEED (MPH): 25 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	53.4	112.7

TABLE Cumulative 2035 Proposed GP-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Alamo Drive - Leisure Town Road to Vanden Road

NOTES: Brighton Landing - Cumulative 2035 Proposed GP

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15600 SPEED (MPH): 45 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) = 67.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	94.6	200.9	431.3

TABLE Cumulative 2035 Existing GP + Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27400 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

ELEVATION AT ROAD SURFACE: 0

ELEVATION AT BARRIER BASE: 0

BARRIER HEIGHT (FT): 6

BARRIER TYPE: WALL

ELEVATION AT RECEPTOR BASE: 0

RECEPTOR HEIGHT (FT): 5

ROADWAY CENTERLINE TO RECEPTOR DISTANCE (FT): 110

BARRIER TO RECEPTOR DISTANCE (FT): 10

* * CALCULATED NOISE LEVELS * *

Ldn WITHOUT BARRIER (dB) = 66.50

BARRIER ATTENUATION (dB):

Autos: -6.15

Med. Trucks: -5.87

Hvy. Trucks: -5.31

Ldn WITH BARRIER (dB) = 60.57

TABLE Cumulative 2035 Existing GP + Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Leisure Town Road - Elmira Road to Marshall Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27400 SPEED (MPH): 45 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): 26 SITE CHARACTERISTICS: SOFT

ELEVATION AT ROAD SURFACE: 0

ELEVATION AT BARRIER BASE: 0

BARRIER HEIGHT (FT): 8

BARRIER TYPE: WALL

ELEVATION AT RECEPTOR BASE: 0

RECEPTOR HEIGHT (FT): 5

ROADWAY CENTERLINE TO RECEPTOR DISTANCE (FT): 110

BARRIER TO RECEPTOR DISTANCE (FT): 10

* * CALCULATED NOISE LEVELS * *

Ldn WITHOUT BARRIER (dB) = 66.50

BARRIER ATTENUATION (dB):

Autos:	-9.10
Med. Trucks:	-8.79
Hvy. Trucks:	-7.98

Ldn WITH BARRIER (dB) = 57.69

TABLE Cumulative 2035 Existing GP + Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12600 SPEED (MPH): 50 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): 26

SITE CHARACTERISTICS: SOFT

ELEVATION AT ROAD SURFACE: 0

ELEVATION AT BARRIER BASE: 0

BARRIER HEIGHT (FT): 6

BARRIER TYPE: WALL

ELEVATION AT RECEPTOR BASE: 0

RECEPTOR HEIGHT (FT): 5

ROADWAY CENTERLINE TO RECEPTOR DISTANCE (FT): 86

BARRIER TO RECEPTOR DISTANCE (FT): 10

* * CALCULATED NOISE LEVELS * *

Ldn WITHOUT BARRIER (dB) = 66.01

BARRIER ATTENUATION (dB):

Autos: -6.39

Med. Trucks: -6.00

Hvy. Trucks: -5.25

Ldn WITH BARRIER (dB) = 59.91

TABLE Cumulative 2035 Existing GP + Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/30/2012

ROADWAY SEGMENT: Elmira Road - Water Street to Leisure Town Road

NOTES: Brighton Landing - Cumulative 2035 Existing GP + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12600 SPEED (MPH): 50 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): 26

SITE CHARACTERISTICS: SOFT

ELEVATION AT ROAD SURFACE: 0

ELEVATION AT BARRIER BASE: 0

BARRIER HEIGHT (FT): 8

BARRIER TYPE: WALL

ELEVATION AT RECEPTOR BASE: 0

RECEPTOR HEIGHT (FT): 5

ROADWAY CENTERLINE TO RECEPTOR DISTANCE (FT): 86

BARRIER TO RECEPTOR DISTANCE (FT): 10

* * CALCULATED NOISE LEVELS * *

Ldn WITHOUT BARRIER (dB) = 66.01

BARRIER ATTENUATION (dB):

Autos: -9.38

Med. Trucks: -8.98

Hvy. Trucks: -7.91

Ldn WITH BARRIER (dB) = 56.99
