

**Appendix H:
Noise Supporting Information**

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Summary

Filename	LxT_Data.060
Serial Number	4397
Model	SoundTrack LxT®
Firmware Version	2.301
User	
Location	
Job Description	
Note	
Measurement Description	
Start	22/01/2019 15:22:40
Stop	25/01/2019 08:55:16
Duration	2 Days 14:17:58.0
Run Time	2 Days 14:12:57.2
Pause	0:05:00.8
Pre Calibration	22/01/2019 15:21:13
Post Calibration	None
Calibration Deviation	---
Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT2L
Microphone Correction	Off
Integration Method	Linear
Overload	124.5 dB

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin
1	Calibration Change	22/01/2019	15:21:13	0.0	0.0	0.0	0.0
2	Run	22/01/2019	15:22:40	0.0	0.0	0.0	0.0
3		22/01/2019	15:22:40	65.6	101.4	85.5	43.6
4		22/01/2019	16:00:00	64.9	99.1	85.3	43.4
5		22/01/2019	17:00:00	68.7	98.5	85.7	46.3
6		22/01/2019	18:00:00	68.5	99.0	85.5	47.4
7		22/01/2019	19:00:00	66.2	98.4	85.1	48.8
8		22/01/2019	20:00:00	65.9	98.4	85.5	49.8
9		22/01/2019	21:00:00	64.4	98.2	85.1	48.8
10		22/01/2019	22:00:00	63.3	97.8	85.3	47.6
11		22/01/2019	23:00:00	64.6	99.5	85.2	46.7
12		23/01/2019	00:00:00	64.4	98.9	85.4	45.1
13		23/01/2019	01:00:00	60.0	98.1	85.0	44.2
14		23/01/2019	02:00:00	50.7	80.5	68.0	43.6
15		23/01/2019	03:00:00	51.4	76.1	62.3	45.4
16		23/01/2019	04:00:00	58.5	85.4	72.9	52.1
17		23/01/2019	05:00:00	66.0	98.4	85.4	49.9
18		23/01/2019	06:00:00	66.5	98.8	85.3	51.5
19		23/01/2019	07:00:00	66.9	98.5	85.7	52.8
20		23/01/2019	08:00:00	66.3	99.8	85.2	48.9
21		23/01/2019	09:00:00	66.1	98.1	85.2	47.0
22		23/01/2019	10:00:00	65.8	98.3	85.6	46.2
23		23/01/2019	11:00:00	65.0	98.0	85.3	46.2
24		23/01/2019	12:00:00	66.1	99.2	85.7	47.2
25		23/01/2019	13:00:00	66.1	98.5	85.5	46.6
26		23/01/2019	14:00:00	65.2	99.2	85.8	44.9
27		23/01/2019	15:00:00	65.7	97.6	85.0	46.7
28		23/01/2019	16:00:00	65.5	97.9	84.9	44.8
29		23/01/2019	17:00:00	67.1	99.0	85.2	47.9
30		23/01/2019	18:00:00	68.3	97.5	84.7	49.5
31		23/01/2019	19:00:00	66.3	98.2	84.9	49.0
32		23/01/2019	20:00:00	65.5	98.0	85.0	50.3
33		23/01/2019	21:00:00	63.0	97.5	84.7	50.2
34		23/01/2019	22:00:00	64.4	98.2	85.0	48.7
35		23/01/2019	23:00:00	64.2	98.3	85.0	47.1
36		24/01/2019	00:00:00	63.8	98.7	84.7	44.4
37		24/01/2019	01:00:00	59.1	96.8	84.5	43.1
38		24/01/2019	02:00:00	51.1	81.3	68.0	43.2
39		24/01/2019	03:00:00	59.4	91.8	72.8	46.2
40		24/01/2019	04:00:00	58.6	85.5	72.6	52.3
41		24/01/2019	05:00:00	65.9	98.4	85.0	54.0
42		24/01/2019	06:00:00	66.1	97.7	84.6	53.5
43		24/01/2019	07:00:00	66.1	97.8	84.7	55.5
44		24/01/2019	08:00:00	66.0	98.4	84.9	53.2
45		24/01/2019	09:00:00	65.7	97.8	84.7	47.0
46		24/01/2019	10:00:00	64.9	97.8	84.8	46.5
47		24/01/2019	11:00:00	64.4	98.3	85.2	46.4
48		24/01/2019	12:00:00	65.9	99.1	85.5	45.9
49		24/01/2019	13:00:00	65.7	97.7	85.2	45.9
50		24/01/2019	14:00:00	63.9	97.6	84.9	45.0
51		24/01/2019	15:00:00	65.9	102.5	85.2	45.0
52	Pause	24/01/2019	15:57:12	0.0	0.0	0.0	0.0
53	Resume	24/01/2019	16:02:13	0.0	0.0	0.0	0.0
54		24/01/2019	16:02:13	113.2	150.6	119.9	112.9
55		24/01/2019	17:00:00	113.2	137.6	113.4	113.0
56		24/01/2019	18:00:00	113.3	137.6	113.5	113.1
57		24/01/2019	19:00:00	113.3	134.6	113.5	113.2
58		24/01/2019	20:00:00	113.4	134.6	113.5	113.2
59		24/01/2019	21:00:00	113.4	137.6	113.5	113.2
60		24/01/2019	22:00:00	113.4	134.6	113.6	113.2
61		24/01/2019	23:00:00	113.4	137.6	113.6	113.2
62		25/01/2019	00:00:00	113.4	137.6	113.6	113.2
63		25/01/2019	01:00:00	113.4	134.6	113.6	113.2
64		25/01/2019	02:00:00	113.4	134.6	113.6	113.2
65		25/01/2019	03:00:00	113.4	134.6	113.6	113.2
66		25/01/2019	04:00:00	113.4	137.6	113.5	113.2
67		25/01/2019	05:00:00	113.4	134.6	113.6	113.2
68	Stop	25/01/2019	05:40:37	0.0	0.0	0.0	0.0
69	Run	25/01/2019	08:55:15	0.0	0.0	0.0	0.0
70		25/01/2019	08:55:15	40.4	64.0	40.6	40.0
71	Stop	25/01/2019	08:55:16	0.0	0.0	0.0	0.0

CNEL Calculations					
Time	Hourly Leq	Leq'	0.1*Leq	antiLog	
16:00:00	64.9	64.9	6.49239	3107346	
17:00:00	68.7	68.7	6.865633	7338928	
18:00:00	68.5	68.5	6.853024	7128929	
19:00:00	66.2	71.2	7.116837	13086916	
20:00:00	65.9	70.9	7.094474	12430083	
21:00:00	64.4	69.4	6.936806	8645811	
22:00:00	63.3	73.3	7.325315	21150230	
23:00:00	64.6	74.6	7.459792	28826527	
00:00:00	64.4	74.4	7.435457	27255669	
01:00:00	60.0	70.0	7.001309	10030182	
02:00:00	50.7	60.7	6.067298	1167610	
03:00:00	51.4	61.4	6.140862	1383126	
04:00:00	58.5	68.5	6.845198	7001606	
05:00:00	66.0	76.0	7.598316	39656665	
06:00:00	66.5	76.5	7.64699	44359864	
07:00:00	66.9	66.9	6.68616	4854676	
08:00:00	66.3	66.3	6.631826	4283769	
09:00:00	66.1	66.1	6.609879	4072664	
10:00:00	65.8	65.8	6.576688	3773014	
11:00:00	65.0	65.0	6.504599	3195943	
12:00:00	66.1	66.1	6.614199	4113382	
13:00:00	66.1	66.1	6.6134	4105823	
14:00:00	65.2	65.2	6.518003	3296121	
15:00:00	65.7	65.7	6.566226	3683208	
Sum				2.68E+08	
Sum/24				11164504	
Log10(Sum/24)				7.047839	
10*Log10(Sum/24)				70.47839	
24 Hour CNEL				70	

CNEL Calculations					
Time	Hourly Leq	Leq'	0.1*Leq	antiLog	
16:00:00	65.5	65.5	6.550222	3549948	
17:00:00	67.1	67.1	6.709862	5126982	
18:00:00	68.3	68.3	6.831326	6781496	
19:00:00	66.3	71.3	7.133456	13597417	
20:00:00	65.5	70.5	7.051225	11251865	
21:00:00	63.0	68.0	6.796342	6256648	
22:00:00	64.4	74.4	7.437778	27401761	
23:00:00	64.2	74.2	7.423081	26489954	
00:00:00	63.8	73.8	7.37827	23892981	
01:00:00	59.1	69.1	6.913579	8195570	
02:00:00	51.1	61.1	6.109784	1287610	
03:00:00	59.4	69.4	6.944061	8791458	
04:00:00	58.6	68.6	6.859386	7234120	
05:00:00	65.9	75.9	7.591064	38999918	
06:00:00	66.1	76.1	7.605533	40321143	
07:00:00	66.1	66.1	6.609624	4070282	
08:00:00	66.0	66.0	6.597202	3955501	
09:00:00	65.7	65.7	6.573864	3748556	
10:00:00	64.9	64.9	6.492239	3106266	
11:00:00	64.4	64.4	6.443263	2775002	
12:00:00	65.9	65.9	6.592499	3912900	
13:00:00	65.7	65.7	6.570878	3722870	
14:00:00	63.9	63.9	6.38876	2447712	
15:00:00	65.9	65.9	6.590467	3894638	
Sum				2.61E+08	
Sum/24				10867192	
Log10(Sum/24)				7.036117	
10*Log10(Sum/24)				70.36117	
24 Hour CNEL				70	

2048.0011

Project Number: ~~2048.0011~~
Project Name: Del Hambre Apartments
Test Personnel: Spencer

Sheet ___ of ___

Noise Measurement Survey

Site Number: ST-1 Date: 1/22/19 Time: From 3:00pm To 3:15pm

Site Location: In front of driveway of 112 Roble Road, 50 yds to intersection of Roble Rd & Del Hambre

Primary Noise Sources: Construction noise, auto traffic along Roble Rd into apartment buildings, BART passings

Measurement Results

	dBA
Leq	57.1
Lmax	75.6
Lmin	43.5
L5	58.9
L10	52.8
L50	47.6
L90	45.1
Ldn	—
CNEL	—

Observed Noise Sources/Events

Time	Noise Source/Event	dBA
3:06	Bart train Leaving	78 ~

Comments: _____

Equipment: LXT-1
Settings: A-Weighted Other

Measured Difference: 0.27 dBA
Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
3.8	1.0	65	—
Comments: <u>Clear, Sunny day w/ little to no wind</u>			

2648.0011

Project Number: ~~2648.0011~~
Project Name: Del Hambre Apartments
Test Personnel: Spencer

Sheet ___ of ___

Noise Measurement Survey

Site Number: ST-2 Date: 1/22/19 Time: From 2:38 To 2:53

Site Location: 100 yds east of ST-3, on Honey Trail

Primary Noise Sources: Construction noise, garden blowers, Traffic on Trent Blvd & Honey Trail, Bart trains

Measurement Results

	dBA
Leq	56.9
Lmax	69.6
Lmin	45.4
L5	64.0
L10	58.7
L50	53.2
L90	49.2
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: _____

Equipment: _____
Settings: A-Weighted Other

Measured Difference: -0.2 dBA
Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
3.8	1.0	65.8	
Comments: <u>Clear, sunny day, little to no wind</u>			

2648.0011

Project Number: ~~2648.0011~~
Project Name: Del Hombro Apartments
Test Personnel: Spencer

Sheet 1 of 1

Noise Measurement Survey

Site Number: ST-3 Date: 1/21/19 Time: From 2:10 p.m. To 2:25

Site Location: Corner of Heney Trail and Del Hombro Lane

Primary Noise Sources: Construction across Del Hombro Lane on apartment buildings, Bart train passings, Treat Blvd. traffic, bicyclists & pedestrians

Measurement Results

	dBA
Leq	61.2
Lmax	76.0
Lmin	48.8
L5	65.2
L10	62.4
L50	59.2
L90	52.2
Ldn	—
CNEL	—

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: 2 Bart passings, 2:21

Equipment: LXT-1
Settings: A-Weighted Other

Measured Difference: -0.11 dBA
Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
<u>3.8</u>	<u>1.0</u>	<u>65</u>	<u>—</u>
Comments: <u>Clear, Sunny day w/ little to no wind</u>			

Project Number: 2648.0011
 Project Name: Del Hombre Apartments
 Test Personnel: Spencer

Sheet ___ of ___

Noise Measurement Survey

Site Number: LT-1 Date: 1/22/19 Time: From ^{1/22}3:30 pm To ^{1/24}3:30 pm

Site Location:
Northwest corner of site 50 feet to intersection of Roble Road & Del Hombre Lane

Primary Noise Sources: Construction across Del Hombre Ln on West apartment buildings, auto traffic on Treat Blvd & Roble Road, & Bus train passings

Measurement Results

	dBA
Leq	
Lmax	85.8
Lmin	43.1
L5	
L10	
L50	
L90	
Ldn	
CNEL	70.0

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: _____

Equipment: LXT-1 Measured Difference: _____ dBA
 Settings: A-Weighted Other Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
3.8	1.0	65	—	
Comments: <u>Clear, sunny day w/ little to no wind</u>				

TABLE Existing-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Iron Horse Lane to Coggins Drive
NOTES: Del Hombre Apartments Project - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4000 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	68.7

TABLE Existing-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Coggins Drive to Del Hombre
NOTES: Del Hombre Apartments Project - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3600 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	64.0

TABLE Existing-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Roble Road to Santos Lane
NOTES: Del Hombre Apartments Project - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3100 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	58.0

TABLE Existing-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Del Hombre - Honey Trail to Roble Road
NOTES: Del Hombre Apartments Project - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 200 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 43.33

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-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Coggins Drive - Las Juntas Way to Jones Road
NOTES: Del Hombre Apartments Project - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5900 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	88.8

TABLE Existing-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Jones Road - Coggins Drive to Harvey Drive
NOTES: Del Hombre Apartments Project - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7100 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	102.9

TABLE Existing + Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Las Juntas Way - Iron Horse Lane to Coggins Drive

NOTES: Del Hombre Apartments Project - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4400 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	73.1

TABLE Existing + Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Coggins Drive to Del Hombre
NOTES: Del Hombre Apartments Project - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4600 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	75.3

TABLE Existing + Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Roble Road to Santos Lane
NOTES: Del Hombre Apartments Project - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3400 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	61.7

TABLE Existing + Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Del Hombre - Honey Trail to Roble Road
NOTES: Del Hombre Apartments Project - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1500 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.08

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 + Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Coggins Drive - Las Juntas Way to Jones Road
NOTES: Del Hombre Apartments Project - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6400 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	93.7

TABLE Existing + Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Jones Road - Coggins Drive to Harvey Drive
NOTES: Del Hombre Apartments Project - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7500 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	106.5

TABLE Near-Term without Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Las Juntas Way - Iron Horse Lane to Coggins Drive

NOTES: Del Hombre Apartments Project - Near-Term without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4800 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	77.5

TABLE Near-Term without Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Coggins Drive to Del Hombre
NOTES: Del Hombre Apartments Project - Near-Term without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4700 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	76.4

TABLE Near-Term without Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Roble Road to Santos Lane
NOTES: Del Hombre Apartments Project - Near-Term without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4400 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	73.1

TABLE Near-Term without Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Del Hombre - Honey Trail to Roble Road
NOTES: Del Hombre Apartments Project - Near-Term without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 600 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

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

TABLE Near-Term without Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Coggins Drive - Las Juntas Way to Jones Road
NOTES: Del Hombre Apartments Project - Near-Term without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6700 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	96.6

TABLE Near-Term without Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Jones Road - Coggins Drive to Harvey Drive
NOTES: Del Hombre Apartments Project - Near-Term without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7900 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	110.1

TABLE Near-Term with Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Las Juntas Way - Iron Horse Lane to Coggins Drive

NOTES: Del Hombre Apartments Project - Near-Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5300 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	82.7

TABLE Near-Term with Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Coggins Drive to Del Hombre
NOTES: Del Hombre Apartments Project - Near-Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5700 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	86.8

TABLE Near-Term with Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Roble Road to Santos Lane
NOTES: Del Hombre Apartments Project - Near-Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4800 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	77.5

TABLE Near-Term with Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Del Hombre - Honey Trail to Roble Road
NOTES: Del Hombre Apartments Project - Near-Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1900 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

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

TABLE Near-Term with Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Coggins Drive - Las Juntas Way to Jones Road

NOTES: Del Hombre Apartments Project - Near-Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7200 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.89

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

TABLE Near-Term with Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Jones Road - Coggins Drive to Harvey Drive

NOTES: Del Hombre Apartments Project - Near-Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8400 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	57.2	114.5

Project-01

TABLE Cumulative (Year 2040) without
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Iron Horse Lane to Coggins Drive
NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5200 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	81.7

Project-02

TABLE Cumulative (Year 2040) without
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Coggins Drive to Del Hombre
NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) without
Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5100 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	80.6

Project-03

TABLE Cumulative (Year 2040) without
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Las Juntas Way - Roble Road to Santos Lane
NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) without
Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4700 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	76.4

Project-04

TABLE Cumulative (Year 2040) without
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Del Hombre - Honey Trail to Roble Road
NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) without
Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 600 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

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

Project-05

TABLE Cumulative (Year 2040) without
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Coggins Drive - Las Juntas Way to Jones Road
NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7300 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	102.3

Project-06

TABLE Cumulative (Year 2040) without
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Jones Road - Coggins Drive to Harvey Drive
NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) without Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8500 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	57.6	115.3

TABLE Cumulative (Year 2040) with Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Las Juntas Way - Iron Horse Lane to Coggins Drive

NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5700 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	86.8

TABLE Cumulative (Year 2040) with Project-02
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
 ROADWAY SEGMENT: Las Juntas Way - Coggins Drive to Del Hombre
 NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6100 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.17

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

TABLE Cumulative (Year 2040) with Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Las Juntas Way - Roble Road to Santos Lane

NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5100 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	80.6

TABLE Cumulative (Year 2040) with Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019
ROADWAY SEGMENT: Del Hombre - Honey Trail to Roble Road
NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1900 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.11

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

TABLE Cumulative (Year 2040) with Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Coggins Drive - Las Juntas Way to Jones Road

NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7800 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.24

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

TABLE Cumulative (Year 2040) with Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/31/2019

ROADWAY SEGMENT: Jones Road - Coggins Drive to Harvey Drive

NOTES: Del Hombre Apartments Project - Cumulative (Year 2040) with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9000 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): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	0.0	59.5	119.6

