

**Appendix H:  
Noise**

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TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Olympic Boulevard to Rolling Hills Drive  
NOTES: Trellis Residential Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18500      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	73.1	150.7	321.4

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TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Rolling Hills Drive to Rossmoor Parkway

NOTES: Trellis Residential Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16400      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	68.1	139.4	296.8

TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rossmoor Parkway to Montecillo Drive  
NOTES: Trellis Residential Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5200      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	0.0	65.1	138.3

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TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Montecillo Drive to Crest Avenue

NOTES: Trellis Residential Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4800      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	61.0	130.8

TABLE Existing-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Olympic Boulevard - North of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18200      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	72.4	149.1	318.0

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TABLE Existing-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Rossmoor Parkway - South of Tice Valley Boulevard

NOTES: Trellis Residential Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15400      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	81.4	169.4



TABLE Existing plus Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Olympic Boulevard to Rolling Hills Drive

NOTES: Trellis Residential Project - Existing plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18900      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	74.1	152.8	326.0

TABLE Existing plus Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Rolling Hills Drive to Rossmoor Parkway

NOTES: Trellis Residential Project - Existing plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16900      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	69.3	142.1	302.7

TABLE Existing plus Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rossmoor Parkway to Montecillo Drive  
NOTES: Trellis Residential Project - Existing plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5700      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	0.0	69.0	146.9

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TABLE Existing plus Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Montecillo Drive to Crest Avenue

NOTES: Trellis Residential Project - Existing plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4900      SPEED (MPH): 35      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) = 60.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	61.8	132.6

TABLE Existing plus Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Olympic Boulevard - North of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Existing plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18400      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	72.9	150.2	320.3

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TABLE Existing plus Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Rossmoor Parkway - South of Tice Valley Boulevard

NOTES: Trellis Residential Project - Existing plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15500      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) = 60.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	81.8	170.1

TABLE Background-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Olympic Boulevard to Rolling Hills Drive  
NOTES: Trellis Residential Project - Background

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21800      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	80.7	167.7	358.4

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TABLE Background-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rolling Hills Drive to Rossmoor Parkway  
NOTES: Trellis Residential Project - Background

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16700      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	68.8	141.1	300.4

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TABLE Background-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rossmoor Parkway to Montecillo Drive  
NOTES: Trellis Residential Project - Background

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5300      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	65.9	140.0

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TABLE Background-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Montecillo Drive to Crest Avenue

NOTES: Trellis Residential Project - Background

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4900      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	61.8	132.6

TABLE Background-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Olympic Boulevard - North of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Background

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21700      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	80.5	167.2	357.3

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TABLE Background-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Rossmoor Parkway - South of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Background

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15600      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	82.1	170.8

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TABLE Background Plus Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Olympic Boulevard to Rolling Hills Drive  
NOTES: Trellis Residential Project - Background Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22200      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	81.6	169.8	362.8

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TABLE Background Plus Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rolling Hills Drive to Rossmoor Parkway  
NOTES: Trellis Residential Project - Background Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17200      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	70.0	143.8	306.3

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TABLE Background Plus Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rossmoor Parkway to Montecillo Drive  
NOTES: Trellis Residential Project - Background Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5800      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	0.0	69.8	148.6

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TABLE Background Plus Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Montecillo Drive to Crest Avenue

NOTES: Trellis Residential Project - Background Plus Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4900      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	61.8	132.6

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TABLE Background Plus Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Olympic Boulevard - North of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Background Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21900      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	81.0	168.3	359.5

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TABLE Background Plus Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Rossmoor Parkway - South of Tice Valley Boulevard

NOTES: Trellis Residential Project - Background Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15600      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	82.1	170.8

TABLE Future-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Olympic Boulevard to Rolling Hills Drive  
NOTES: Trellis Residential Project - Future

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22800      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	83.0	172.7	369.2

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TABLE Future-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rolling Hills Drive to Rossmoor Parkway  
NOTES: Trellis Residential Project - Future

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18100      SPEED (MPH): 35      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) = 64.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	72.2	148.6	316.8

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TABLE Future-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Rossmoor Parkway to Montecillo Drive  
NOTES: Trellis Residential Project - Future

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7300      SPEED (MPH): 35      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) = 61.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	81.1	173.1

---

TABLE Future-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Montecillo Drive to Crest Avenue

NOTES: Trellis Residential Project - Future

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5300      SPEED (MPH): 35      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) = 60.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	65.1	139.7

TABLE Future-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Olympic Boulevard - North of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Future

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27300      SPEED (MPH): 35      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) = 66.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	92.7	194.4	416.2

---

TABLE Future-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Rossmoor Parkway - South of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Future

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17000      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) = 61.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	86.5	180.7

---



TABLE Future Plus Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Tice Valley Boulevard - Olympic Boulevard to Rolling Hills Drive  
NOTES: Trellis Residential Project - Future Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23200      SPEED (MPH): 35      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) = 65.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	83.8	174.7	373.5

---

TABLE Future Plus Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Rolling Hills Drive to Rossmoor Parkway

NOTES: Trellis Residential Project - Future Plus Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18500      SPEED (MPH): 35      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) = 64.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	73.1	150.7	321.4

TABLE Future Plus Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Rossmoor Parkway to Montecillo Drive

NOTES: Trellis Residential Project - Future Plus Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7700      SPEED (MPH): 35      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) = 62.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	83.9	179.3

TABLE Future Plus Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Tice Valley Boulevard - Montecillo Drive to Crest Avenue

NOTES: Trellis Residential Project - Future Plus Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5400      SPEED (MPH): 35      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) = 61.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	65.9	141.5

TABLE Future Plus Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015  
ROADWAY SEGMENT: Olympic Boulevard - North of Tice Valley Boulevard  
NOTES: Trellis Residential Project - Future Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27500      SPEED (MPH): 35      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) = 66.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	93.1	195.3	418.2

TABLE Future Plus Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/03/2015

ROADWAY SEGMENT: Rossmoor Parkway - South of Tice Valley Boulevard

NOTES: Trellis Residential Project - Future Plus Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17000      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) = 61.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	86.5	180.7