

Appendix D: Noise Supporting Information



Project Number: 5179.0001 Sheet 1 of 1

Project Name: Terraces of Lafayette Test Personnel: Spencer Pignotti

Noise Measurement Survey

Site Number: LT-1 Date: 8/28/18-8/30/18 Time: From 12:18 p.m. To 12:38 p.m.

Site Location: Northeast side of site, approximately 75 feet west of Pleasant Hill Road.

Primary Noise Sources: Traffic on Pleasant Hill Road

Measurement Results

Micasar	ment results
	dBA
Leq	64.0
Lmax	97.2
Lmin	30.5
Lpeak	
L5	
L10	
L50	
L90	
Ldn	68.5
CNEL	

Observed Noise Sources/Events

Obsci	veu noise sources/Events	
Time	Noise Source/Event	dBA

Comments:	
Equipment: SoundTrack LxT	Measured Difference: 0.1 dBA
Settings: A-Weighted⊠ Other□	Slow⊠ Fast□ Windscreen⊠

Atmospheric Conditions:

	,			
Maximum Wind	Average Wind		Relative	
Velocity (mph)	Velocity (mph)	Temperature (F)	Humidity (%)	
Comments:	Minimal wind			

Photos Taken:

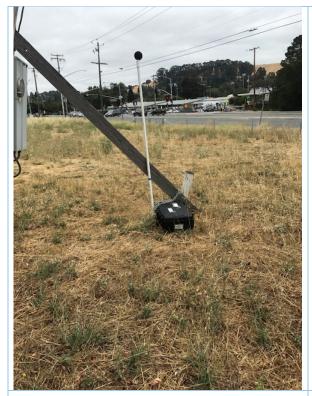
Photo Number	Location/Description
1	View from LT-1 facing north
2	View from LT-1 facing north
3	View from LT-1 facing south
4	View from LT-1 facing west

Traffic Description:

Roadway	# Lanes	Posted Speed	Average Speed	NB/EB Counts	SB/WB Counts
Pleasant Hill Rd	4	35mph			

Diagram/Further Comments:		

Summary Filename	LxT_Data.045		
Serial Number	4397		
Model	SoundTrack LxT®		
Firmware Version	2.301		
User			
Location			
Job Description			
Note Measurement Description			
Start	2018/08/28 12:18:35		
Stop	2018/08/30 12:38:36		
Duration	2 Days 00:20:01.3		
Run Time	2 Days 00:20:01.3		
Pause	0:00:00.0		
Pre Calibration	2018/08/28 12:17:35		
Post Calibration Calibration Deviation	None 		
Campiation Deviation			
Overall Settings			
RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxT2L		
Microphone Correction	Off		
Integration Method Overload	Linear 124.6 dB		
	124.0 ub	С	z
Under Range Peak	80.8	77.8	82.8
Under Range Limit	27.1	27.1	31.8
Noise Floor	18.0	18.0	22.6
Results			
LAeq LAE	64.0 dB 116.4 dB		
EA	49.035 mPa ²	h	
EA8	8.116 mPa ²		
EA40	40.581 mPa ²	h	
LApeak (max)	2018/08/29 18:23:50	113.1 dB	
LASmax	2018/08/29 11:25:25	97.2 dB	
LASmin	2018/08/29 2:06:05	30.5 dB	
SEA	-99.9 dB		
LAS > 85.0 dB (Exceedence Counts / Duration)	11	28.7 s	
LAS > 115.0 dB (Exceedence Counts / Duration)	0	0.0 s	
LApeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s 0.0 s	
		0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s 0.0 s 0.0 s	··00-07·00
LApeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s 0.0 s	2: 00-07:00 61.3
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration)	0 0 Ldn LDay	0.0 s 0.0 s 0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB	0.0 s 0.0 s 0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB	0.0 s 0.0 s 0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB	0.0 s 0.0 s 0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq LAeq	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB	0.0 s 0.0 s 0.0 s	
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LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq LAeq	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB	0.0 s 0.0 s 0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq LAleq LAleq - LAeq # Overloads	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB	0.0 s 0.0 s 0.0 s	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq LAleq - LAeq W Overloads Overload Duration Dose Settings	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2 65.1	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAleq LAleq LAleq LAleq LAleq - LAeq W Overloads Overload Duration Dose Settings Dose Name	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1	
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LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAleq LAleq LAleq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 22 65.1 OSHA-2 5 dB 80 dB	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq LAleq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.00 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2 65.1 OSHA-2 5 dB	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAleq LAleq LAleq LAleq LAleq LAleq - LAeq W Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level	0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq LAleq LAleq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.00 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 27 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAleq LAleq LAleq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAleq - LAeq LAleq - LAeq W Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 0 0.0 s OSHA-1 5 90 90 8	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
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LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAleq LAleq LAleq LAleq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t)	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAleq - LAeq LAleq - LAeq W Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected)	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAleq LAleq LAleq LAleq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t)	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAleq - LAeq LAleq - LAeq W Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t) Lep (t) Statistics LAS5.00	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LAeq LAeq LAleq LAleq LAleq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t) Lep (t) Statistics LASS.00 LAS10.00	0 0 0 Ldn LDay 68.5 69.9 dB 64.0 dB 5.8 dB 65.4 dB 64.0 dB 1.4 dB 0 0.0 s OSHA-1 5 90 90 8	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq LAleq - LAeq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t) Lep (t) Statistics LASS.00 LAS10.00 LAS33.30	O C C C C C C C C C C C C C C C C C C C	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LCeq - LAeq LAleq - LAeq W Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t) Lep (t) Statistics LASS.00 LASS0.00 LAS33.30 LAS50.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LCeq - LAeq LAleq - LAeq LAleq - LAeq # Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t) Lep (t) Statistics LASS.00 LAS31.00 LAS33.30 LAS50.00 LAS75.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	
LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration) Community Noise LCeq LAeq LAeq LCeq - LAeq LAleq - LAeq W Overloads Overload Duration Dose Settings Dose Name Exch. Rate Threshold Criterion Level Criterion Duration Results Dose Projected Dose TWA (Projected) TWA (t) Lep (t) Statistics LASS.00 LASS0.00 LAS33.30 LAS50.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 s 0.0 s 0.0 s 7 07:00-22:00 LNight 2: 65.1 OSHA-2 5 dB 80 dB 90 dB 8 h	



Photograph 1: View from LT-1 facing north



Photograph 2: View from LT-1 facing east



Photograph 3: View from LT-1 facing south



Photograph 4: View from LT-1 facing west

TABLE Existing-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - Pleasant Hill Road to East Project

Driveway

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12400 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NTGH'I'
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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	JINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	80.6	172.2	370.2

TABLE Existing-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - East Project Driveway to West Project

Driveway

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12500 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NTGHT
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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	80.5	172.9	372.3

TABLE Existing-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - West Project Driveway to Brown Avenue

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12500 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	80.5	172.9	372.3

TABLE Existing-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Quant Road to Stanley Boulevard

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37000 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

NTGHT.
9.34
0.19
0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 69.1 141.6 301.6

TABLE Existing-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Stanley Boulevard to Project

Driveway

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28800 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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	LINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	95.9	201.3	431.2

TABLE Existing-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Project Driveway to Acalanes Avenue

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30300 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) = 67.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 98.9 208.2 446.0

TABLE Existing-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Acalanes Avenue to SR 24 WB Direct

Ramps

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30600 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) = 67.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 99.6 209.5 449.0

TABLE Existing-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: SR 24 - 1st Street ramps to Pleasant Hill Road ramps

NOTES: Terraces of Lafayette - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 147000 SPEED (MPH): 65 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 79.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 359.4 768.7 1653.2 3559.8

TABLE Existing + Project-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - Pleasant Hill Road to East Project

Driveway

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12800 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	N.	LGH'	Τ,
			_
AUTOS			
88.0	8	9.	34
M-TRUCKS			
1.6	55	0.3	19
H-TRUCKS			
0.6	56	0.	80

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

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	LINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	82.3	175.9	378.1

TABLE Existing + Project-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - East Project Driveway to West Project

Driveway

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12500 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NTGHT
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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	LINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	80.5	172.9	372.3

TABLE Existing + Project-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - West Project Driveway to Brown Avenue

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12800 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 81.7 175.7 378.2

TABLE Existing + Project-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Quant Road to Stanley Boulevard

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37300 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

NTGHT.
9.34
0.19
0.08

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 69.4 142.4 303.2

TABLE Existing + Project-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Stanley Boulevard to Project

Driveway

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 29100 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

D A	ΑY	NIGHT
AUTOS		
88	3.08	9.34
M-TRUCKS		
1	L.65	0.19
H-TRUCKS		
().66	0.08

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

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	LINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	96.5	202.7	434.2

TABLE Existing + Project-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Project Driveway to Acalanes Avenue

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31500 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

NTGHT.
9.34
0.19
0.08

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

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 101.4 213.5 457.7

TABLE Existing + Project-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Acalanes Avenue to SR 24 WB Direct

Ramps

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31800 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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	JINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	102.0	214.9	460.6

TABLE Existing + Project-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: SR 24 - 1st Street ramps to Pleasant Hill Road ramps

NOTES: Terraces of Lafayette - Existing + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 147000 SPEED (MPH): 65 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 79.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 359.4 768.7 1653.2 3559.8

TABLE Cumulative No Project-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - Pleasant Hill Road to East Project

Driveway

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17300 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): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	100.3	214.8	462.1

TABLE Cumulative No Project-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - East Project Driveway to West Project

Driveway

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17400 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	100.2	215.5	464.1

TABLE Cumulative No Project-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - West Project Driveway to Brown Avenue

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17400 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	100.2	215.5	464.1

TABLE Cumulative No Project-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Quant Road to Stanley Boulevard

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 51800 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NTGHT
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) = 65.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 84.6 176.3 377.0

TABLE Cumulative No Project-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Stanley Boulevard to Project

Driveway

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 40300 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	N1GH'I'
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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
59.0	118.5	251.2	539.1

TABLE Cumulative No Project-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Project Driveway to Acalanes Avenue

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

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

TRAFFIC DISTRIBUTION PERCENTAGES

NTGHT
9.34
0.19
0.08

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

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTER	LINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
60.7	122.4	259.7	557.6

TABLE Cumulative No Project-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Acalanes Avenue to SR 24 WB Direct

Ramps

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42800 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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
61.0	123.2	261.4	561.1

TABLE Cumulative No Project-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: SR 24 - 1st Street ramps to Pleasant Hill Road ramps

NOTES: Terraces of Lafayette - Cumulative No Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 147000 SPEED (MPH): 65 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

Di	AY	NIGHT
AUTOS		
88	8.08	9.34
${\tt M-TRUCKS}$		
	1.65	0.19
H-TRUCKS		
(0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
359.4	768.7	1653.2	3559.8

TABLE Cumulative + Project-01 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - Pleasant Hill Road to East Project

Driveway

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17700 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	N1GH'I'
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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	101.8	218.1	469.2

TABLE Cumulative + Project-02 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - East Project Driveway to West Project

Driveway

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17400 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NTGHT
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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	100.2	215.5	464.1

TABLE Cumulative + Project-03 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Deer Hill Road - West Project Driveway to Brown Avenue

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17800 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): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 101.7 218.8 471.2

TABLE Cumulative + Project-04 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Quant Road to Stanley Boulevard

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 52100 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

D	NIGH	H.T.
-		
JTOS		
8	08 9.	.34
TRUCKS		
	65 0.	.19
TRUCKS		
	66 0.	.08
-TRUCKS	65 0	. 19

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

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 0.0 84.9 177.0 378.5

TABLE Cumulative + Project-05 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Stanley Boulevard to Project

Driveway

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 40600 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

NIGHT
9.34
0.19
0.08

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

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
59.2	119.1	252.4	541.7

TABLE Cumulative + Project-06 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Project Driveway to Acalanes Avenue

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 43600 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

NTGHT.
9.34
0.19
0.08

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

* * CALCULATED NOISE LEVELS * *

DISTANCE	(FEET) FROM	ROADWAY CENTERI	LINE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
61.7	124.7	264.6	568.1

TABLE Cumulative + Project-07 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: Pleasant Hill Road - Acalanes Avenue to SR 24 WB Direct

Ramps

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 44000 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NTGHT	
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 * *

DISTANCE	(FEET) FROM	ROADWAY CENTERL	INE TO Ldn
70 Ldn	65 Ldn	60 Ldn	55 Ldn
62.0	125.4	266.2	571.5

TABLE Cumulative + Project-08 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/30/2018

ROADWAY SEGMENT: SR 24 - 1st Street ramps to Pleasant Hill Road ramps

NOTES: Terraces of Lafayette - Cumulative + Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 147000 SPEED (MPH): 65 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 79.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn
70 Ldn 65 Ldn 60 Ldn 55 Ldn
----- 359.4 768.7 1653.2 3559.8