

APPENDIX H

NOISE DATA

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TABLE Existing-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10250 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	111.6	233.4

TABLE Existing-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 43060 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
67.3	133.2	281.2	603.1

TABLE Existing-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 41140 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
111.4	229.8	490.3	1053.8

TABLE Existing-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of US-101 NB Off-Ramp
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 9900 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	109.2	228.1

TABLE Existing-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 30860 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
137.5	294.1	632.6	1362.2

TABLE Existing-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 32360 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
141.3	303.4	653.2	1406.8

TABLE Existing-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of US-101 SB Off-Ramp
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 14720 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	70.2	140.0	296.1

TABLE Existing-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 31350 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
138.3	297.1	639.6	1377.4

TABLE Existing-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22550 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
111.3	238.6	513.5	1105.8

TABLE Existing-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive east of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 30330 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	60.8	130.5	280.8

TABLE Existing-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive west of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22010 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	105.4	226.8

TABLE Existing-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bay Road east of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 19410 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	60.1	128.9	277.4

TABLE Existing-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive east of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22910 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	50.5	108.3	232.9	

TABLE Existing-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive west of Marsh Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 19320 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	96.7	208.0	

TABLE Existing-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 41920 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	75.3	161.8	348.4

TABLE Existing-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive south of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35590 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	67.6	145.1	312.4

TABLE Existing-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Chrysler Drive
NOTES: Menlo Portal - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8270 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	85.8	171.6	363.3

TABLE Existing-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Constitution Drive
NOTES: Menlo Portal - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3970 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	72.7

TABLE Existing-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive east of Chrysler Drive
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10130 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	107.0	230.3

TABLE Existing-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive west of Chrysler Drive
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6560 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	80.2	172.4

TABLE Existing-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive east of Chrysler Drive
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 5950 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	95.0

TABLE Existing-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive west of Chrysler Drive
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 5030 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	85.0

TABLE Existing-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Independence Drive
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4040 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	73.5

TABLE Existing-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Independence Drive east of Chrysler Drive
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4450 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	78.4

TABLE Existing-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street north of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 36330 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
55.2	116.7	250.4	538.9

TABLE Existing-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street south of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35670 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
54.6	115.3	247.4	532.3

TABLE Existing-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road north of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 30180 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
63.9	129.7	275.6	591.8

TABLE Existing-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road south of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 44670 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
80.5	167.3	357.4	768.4

TABLE Existing-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Willow Road
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 21760 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
77.8	152.8	321.8	689.8

TABLE Existing-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive north of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 43650 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
65.4	133.3	283.4	608.6

TABLE Existing-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive south of Bayfront Expressway
NOTES: Menlo Portal - Existing

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 64390 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
82.4	171.5	366.6	788.4

TABLE Existing with Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10330 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.4	112.1	234.5

TABLE Existing with Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 43240 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
67.5	133.6	282.0	604.8

TABLE Existing with Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 41240 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
111.5	230.2	491.0	1055.5

TABLE Existing with Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of US-101 NB Off-Ramp
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10030 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	110.1	230.1

TABLE Existing with Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 31290 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
138.7	296.8	638.5	1374.9

TABLE Existing with Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 32660 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
142.1	305.3	657.2	1415.5

TABLE Existing with Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of US-101 SB Off-Ramp
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 14900 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	70.7	141.1	298.5

TABLE Existing with Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 31610 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
139.1	298.7	643.1	1385.0

TABLE Existing with Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22630 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
111.5	239.2	514.7	1108.4

TABLE Existing with Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive east of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 30410 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	60.9	130.7	281.3

TABLE Existing with Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive west of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22090 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	105.7	227.4

TABLE Existing with Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bay Road east of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 19470 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	60.2	129.2	278.0

TABLE Existing with Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive east of Marsh Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22990 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	50.7	108.5	233.5

TABLE Existing with Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive west of Marsh Road
NOTES: Menlo Portal - Existing with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19380 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	96.9	208.4

TABLE Existing with Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42100 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	75.5	162.3	349.4

TABLE Existing with Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive south of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35830 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	67.9	145.8	313.8

TABLE Existing with Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Chrysler Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 8690 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	88.2	177.2	375.4

TABLE Existing with Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Constitution Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4180 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	75.2

TABLE Existing with Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive east of Chrysler Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10550 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	51.3	109.9	236.5

TABLE Existing with Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive west of Chrysler Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6800 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	82.2	176.6

TABLE Existing with Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive east of Chrysler Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6190 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	97.5

TABLE Existing with Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive west of Chrysler Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 5720 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	92.6

TABLE Existing with Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Independence Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4320 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	76.8

TABLE Existing with Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Independence Drive east of Chrysler Drive
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4690 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.44

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	81.1

TABLE Existing with Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street north of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 36570 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
55.5	117.2	251.5	541.3

TABLE Existing with Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street south of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35910 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.16

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
54.8	115.8	248.5	534.7

TABLE Existing with Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road north of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 30420 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
64.1	130.4	277.0	595.0

TABLE Existing with Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road south of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 44850 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
80.7	167.7	358.3	770.4

TABLE Existing with Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Willow Road
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 21820 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
77.9	153.0	322.4	691.0

TABLE Existing with Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive north of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 43830 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
65.6	133.6	284.1	610.3

TABLE Existing with Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive south of Bayfront Expressway
NOTES: Menlo Portal - Existing with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 64530 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
82.5	171.8	367.2	789.6

TABLE Near Term -01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10350 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.5	112.2	234.8

TABLE Near Term -02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 49450 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
72.6	145.5	308.1	661.2

TABLE Near Term -03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 47470 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
121.4	252.3	539.1	1159.2

TABLE Near Term -04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of US-101 NB Off-Ramp
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10330 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.4	112.1	234.5

TABLE Near Term -05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 36430 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
153.3	328.4	706.6	1521.5

TABLE Near Term -06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 37500 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
155.8	334.7	720.6	1552.1

TABLE Near Term -07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of US-101 SB Off-Ramp
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 15090 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	71.2	142.2	301.0

TABLE Near Term -08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 34850 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
148.4	318.8	686.3	1478.1

TABLE Near Term -09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25740 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
121.4	260.6	560.8	1207.8

TABLE Near Term -10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive east of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 33520 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	65.0	139.5	300.2

TABLE Near Term -11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive west of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25200 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	53.8	115.3	248.2

TABLE Near Term -12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bay Road east of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 21770 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	64.8	139.1	299.4

TABLE Near Term -13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive east of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 26100 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	55.1	118.1	254.1	

TABLE Near Term -14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive west of Marsh Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 21690 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	104.4	224.6	

TABLE Near Term -15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 48310 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	82.7	177.9	382.9

TABLE Near Term -16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive south of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 38480 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	71.2	152.9	329.1

TABLE Near Term -17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Chrysler Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 11970 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	106.0	217.7	463.9

TABLE Near Term -18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Constitution Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 8640 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	56.8	121.7

TABLE Near Term -19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive east of Chrysler Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 13830 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	61.3	131.6	283.3

TABLE Near Term -20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive west of Chrysler Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6810 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	82.2	176.8

TABLE Near Term -21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive east of Chrysler Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6200 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	97.6

TABLE Near Term -22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive west of Chrysler Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 5110 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	85.9

TABLE Near Term -23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Independence Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4090 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	74.1

TABLE Near Term -24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Independence Drive east of Chrysler Drive
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4530 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	79.3

TABLE Near Term -25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street north of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 39220 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.0	122.8	263.5	567.1

TABLE Near Term -26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street south of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 39720 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.5	123.8	265.7	571.9

TABLE Near Term -27
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
 ROADWAY SEGMENT: Willow Road north of Bayfront Expressway
 NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35860 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
70.6	145.0	308.9	663.8

TABLE Near Term -28
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
 ROADWAY SEGMENT: Willow Road south of Bayfront Expressway
 NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 47640 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
83.7	174.4	373.0	802.0

TABLE Near Term -29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Willow Road
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25250 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
84.2	167.8	354.9	761.5

TABLE Near Term -30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive north of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 46620 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
68.0	139.0	296.0	635.9

TABLE Near Term -31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive south of Bayfront Expressway
NOTES: Menlo Portal - Near Term

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 67400 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
84.8	176.7	377.9	812.8

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

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10430 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.7	112.7	236.0

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

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 49630 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
72.7	145.8	308.9	662.8

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

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 47570 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
121.5	252.6	539.8	1160.8

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

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of US-101 NB Off-Ramp
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10460 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.8	112.9	236.5

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

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 36860 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
154.5	331.0	712.1	1533.5

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

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 37800 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
156.6	336.5	724.5	1560.4

TABLE Near Term with Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of US-101 SB Off-Ramp
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 15270 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	71.6	143.3	303.3

TABLE Near Term with Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35110 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 75.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
149.1	320.4	689.7	1485.4

TABLE Near Term with Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25820 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
121.7	261.1	562.0	1210.3

TABLE Near Term with Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive east of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 33600 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	65.1	139.7	300.6

TABLE Near Term with Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive west of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25280 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	53.9	115.6	248.7

TABLE Near Term with Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bay Road east of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 21840 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	64.9	139.4	300.1

TABLE Near Term with Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive east of Marsh Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 26180 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	55.2	118.3	254.6

TABLE Near Term with Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive west of Marsh Road
NOTES: Menlo Portal - Near Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21750 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	104.6	225.0	

TABLE Near Term with Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 48490 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.58

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	82.9	178.3	383.9

TABLE Near Term with Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive south of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 38720 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	71.5	153.5	330.4

TABLE Near Term with Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Chrysler Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 12390 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	108.2	222.7	474.7

TABLE Near Term with Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Constitution Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 8850 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	57.7	123.7

TABLE Near Term with Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive east of Chrysler Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 14250 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	62.6	134.3	289.0

TABLE Near Term with Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive west of Chrysler Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 7050 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	84.1	180.9

TABLE Near Term with Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive east of Chrysler Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6440 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	100.1

TABLE Near Term with Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive west of Chrysler Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 5350 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	88.5

TABLE Near Term with Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Independence Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4370 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	77.4

TABLE Near Term with Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Independence Drive east of Chrysler Drive
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4770 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	82.1

TABLE Near Term with Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street north of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 39460 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.2	123.3	264.6	569.4

TABLE Near Term with Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street south of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 39960 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
58.7	124.3	266.8	574.2

TABLE Near Term with Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road north of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 36100 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
70.9	145.6	310.3	666.8

TABLE Near Term with Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road south of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 47820 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
83.9	174.9	373.9	804.1

TABLE Near Term with Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Willow Road
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25310 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
84.3	168.1	355.5	762.7

TABLE Near Term with Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive north of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 46800 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
68.1	139.4	296.7	637.5

TABLE Near Term with Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive south of Bayfront Expressway
NOTES: Menlo Portal - Near Term with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 67540 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
84.9	177.0	378.5	813.9

TABLE Cumulative without Project -01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10720 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	59.5	114.7	240.3

TABLE Cumulative without Project -02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 54910 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
77.0	155.6	330.2	708.9

TABLE Cumulative without Project -03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 52520 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
129.1	269.5	576.5	1239.9

TABLE Cumulative without Project -04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of US-101 NB Off-Ramp
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10410 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	58.6	112.6	235.7

TABLE Cumulative without Project -05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 40990 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
165.7	355.2	764.3	1646.0

TABLE Cumulative without Project -06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 41980 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
167.9	360.9	776.9	1673.4

TABLE Cumulative without Project -07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of US-101 SB Off-Ramp
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 19500 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	82.2	167.6	356.5

TABLE Cumulative without Project -08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 38720 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
159.1	341.9	736.2	1585.6

TABLE Cumulative without Project -09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 27240 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
126.1	270.6	582.4	1254.2

TABLE Cumulative without Project -10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive east of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35010 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	66.9	143.5	309.0

TABLE Cumulative without Project -11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive west of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25800 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	54.7	117.2	252.1

TABLE Cumulative without Project -12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bay Road east of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22640 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	66.5	142.8	307.4

TABLE Cumulative without Project -13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive east of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 27600 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	57.1	122.5	263.7	

TABLE Cumulative without Project -14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive west of Marsh Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22850 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	50.5	108.1	232.5	

TABLE Cumulative without Project -15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 56710 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	92.0	197.9	426.1

TABLE Cumulative without Project -16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 43940 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	77.7	167.0	359.5

TABLE Cumulative without Project -17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Chrysler Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 15190 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
65.1	122.2	254.2	543.2

TABLE Cumulative without Project -18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Constitution Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 9230 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	59.3	127.2

TABLE Cumulative without Project -19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive east of Chrysler Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 19690 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	77.5	166.5	358.5

TABLE Cumulative without Project -20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive west of Chrysler Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 11260 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	53.6	114.8	247.0

TABLE Cumulative without Project -21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive east of Chrysler Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10630 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.99

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

TABLE Cumulative without Project -22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive west of Chrysler Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6550 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	101.3

TABLE Cumulative without Project -23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Independence Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4240 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	75.9

TABLE Cumulative without Project -24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Independence Drive east of Chrysler Drive
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 5160 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	86.4

TABLE Cumulative without Project -25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 43140 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
61.6	130.8	280.7	604.2

TABLE Cumulative without Project -26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 45140 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.16

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
63.4	134.7	289.3	622.8

TABLE Cumulative without Project -27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 51330 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
87.7	183.2	391.9	842.9

TABLE Cumulative without Project -28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 64220 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
100.8	212.2	454.8	978.6

TABLE Cumulative without Project -29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Willow Road
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 40200 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
109.8	226.4	482.8	1037.7

TABLE Cumulative without Project -30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 59660 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
78.7	163.2	348.5	749.4

TABLE Cumulative without Project -31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative without Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 82080 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
95.8	201.1	430.8	926.8

TABLE Cumulative with Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10800 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	59.7	115.2	241.5

TABLE Cumulative with Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 55090 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
77.1	155.9	330.9	710.5

TABLE Cumulative with Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 52620 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
129.3	269.9	577.2	1241.5

TABLE Cumulative with Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road south of US-101 NB Off-Ramp
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10540 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	59.0	113.5	237.6

TABLE Cumulative with Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 41420 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
166.8	357.7	769.7	1657.5

TABLE Cumulative with Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 NB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 42280 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
168.7	362.6	780.6	1681.3

TABLE Cumulative with Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Marsh Road north of US-101 SB Off-Ramp
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 19680 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	82.7	168.6	358.7

TABLE Cumulative with Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp east of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 38980 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 76.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
159.8	343.5	739.5	1592.7

TABLE Cumulative with Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: US-101 SB Off-Ramp west of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 27320 SPEED (MPH): 65 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 74.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
126.3	271.1	583.5	1256.7

TABLE Cumulative with Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive east of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 35090 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	67.0	143.8	309.5

TABLE Cumulative with Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Scott Drive west of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 25880 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	54.8	117.4	252.6

TABLE Cumulative with Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bay Road east of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 22700 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	66.6	143.0	307.9

TABLE Cumulative with Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive east of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 27680 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	57.2	122.8	264.2

TABLE Cumulative with Project-14
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Florence Street-Bohannon Drive west of Marsh Road
NOTES: Menlo Portal - Cumulative with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22910 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	50.5	108.3	232.9

TABLE Cumulative with Project-15
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 56890 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	92.2	198.3	427.0

TABLE Cumulative with Project-16
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 44180 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	78.0	167.6	360.8

TABLE Cumulative with Project-17
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Chrysler Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 15610 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
65.9	124.3	258.8	553.2

TABLE Cumulative with Project-18
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Constitution Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 9450 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	60.2	129.2

TABLE Cumulative with Project-19
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive east of Chrysler Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 20110 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	78.6	168.9	363.6

TABLE Cumulative with Project-20
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Constitution Drive west of Chrysler Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 11490 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	54.3	116.4	250.4

TABLE Cumulative with Project-21
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive east of Chrysler Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 10870 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	66.0	141.8

TABLE Cumulative with Project-22
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Jefferson Drive west of Chrysler Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 6790 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	103.7

TABLE Cumulative with Project-23
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chrysler Drive north of Independence Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 4520 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	79.2

TABLE Cumulative with Project-24
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Independence Drive east of Chrysler Drive
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 5400 SPEED (MPH): 25 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 5 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	89.1

TABLE Cumulative with Project-25
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 43380 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
61.8	131.2	281.8	606.5

TABLE Cumulative with Project-26
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Chilco Street south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 45380 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
63.7	135.2	290.3	625.0

TABLE Cumulative with Project-27
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 51570 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
87.9	183.7	393.1	845.5

TABLE Cumulative with Project-28
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Willow Road south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 64400 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
101.0	212.6	455.7	980.4

TABLE Cumulative with Project-29
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: Bayfront Expressway west of Willow Road
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 40260 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
109.9	226.6	483.3	1038.7

TABLE Cumulative with Project-30
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive north of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 59840 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
78.8	163.5	349.2	750.9

TABLE Cumulative with Project-31
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 08/03/2020
ROADWAY SEGMENT: University Drive south of Bayfront Expressway
NOTES: Menlo Portal - Cumulative with Project

*** ASSUMPTIONS ***

AVERAGE DAILY TRAFFIC: 82220 SPEED (MPH): 35 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

*** CALCULATED NOISE LEVELS ***

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
95.9	201.3	431.3	927.9

