

TABLE Existing (2020)-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue

NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22900 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 55 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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90.0	162.9	334.9	713.7

TABLE Existing (2020)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27100 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 61 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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100.3	182.0	374.5	798.1

TABLE Existing (2020)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19400 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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79.8	145.5	299.8	639.3

TABLE Existing (2020)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to Marine Way
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41800 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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143.1	277.8	583.4	1249.5

TABLE Existing (2020)-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
Off-Ramp
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 45700 SPEED (MPH): 55 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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149.8	293.8	618.6	1325.8

TABLE Existing (2020)-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road

NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37200 SPEED (MPH): 55 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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130.2	256.1	539.6	1156.6

TABLE Existing (2020)-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37200 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
130.2	256.1	539.6	1156.6

TABLE Existing (2020)-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine
Center Drive
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37200 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
130.2	256.1	539.6	1156.6

TABLE Existing (2020)-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to
Waterworks Way
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27100 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
99.7	181.7	374.3	798.1

TABLE Existing (2020)-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27100 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
99.7	181.7	374.3	798.1

TABLE Existing (2020)-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine

NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27900 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.9	184.9	381.5	813.7

TABLE Existing (2020)-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27900 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.9	184.9	381.5	813.7

TABLE Existing (2020)-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Existing (2020)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38100 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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116.6	223.5	467.6	1000.6

TABLE Existing (2020) With Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23100 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 55 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.3	163.8	336.8	717.9

TABLE Existing (2020) With Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28400 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 61 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
-----	-----	-----	-----
102.3	187.2	386.0	823.3

TABLE Existing (2020) With Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20200 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.2	149.1	307.8	656.6

TABLE Existing (2020) With Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to
Marine Way

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42600 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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144.5	281.2	590.7	1265.4

TABLE Existing (2020) With Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
Off-Ramp
NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 46500 SPEED (MPH): 55 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
151.2	297.0	625.7	1341.2

TABLE Existing (2020) With Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38400 SPEED (MPH): 55 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
132.4	261.3	551.0	1181.3

TABLE Existing (2020) With Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38400 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
132.4	261.3	551.0	1181.3

TABLE Existing (2020) With Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine Center Drive
NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38600 SPEED (MPH): 55 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
132.8	262.1	552.9	1185.4

TABLE Existing (2020) With Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to
Waterworks Way

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28900 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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102.5	188.8	390.3	832.9

TABLE Existing (2020) With Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway
NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 29000 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
102.7	189.2	391.2	834.8

TABLE Existing (2020) With Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 30200 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
104.5	193.9	401.7	857.6

TABLE Existing (2020) With Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway

NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28600 SPEED (MPH): 50 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
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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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
102.0	187.7	387.7	827.1

TABLE Existing (2020) With Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Existing (2020) With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 39600 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
118.8	228.9	479.5	1026.6

TABLE Short-term Interim Approved-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23200 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): 55 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.5	164.2	337.8	719.9

TABLE Short-term Interim Approved-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27500 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): 61 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
100.9	183.6	378.0	805.9

TABLE Short-term Interim Approved-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 19600 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
80.2	146.4	301.8	643.6

TABLE Short-term Interim Approved-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to
Marine Way

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 51900 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
160.3	318.4	672.7	1442.9

TABLE Short-term Interim Approved-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
Off-Ramp
NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 63800 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
179.7	363.3	771.0	1655.3

TABLE Short-term Interim Approved-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33600 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
123.5	240.2	504.6	1081.0

TABLE Short-term Interim Approved-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33000 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
122.4	237.5	498.7	1068.1

TABLE Short-term Interim Approved-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine
Center Drive

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 32900 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
122.2	237.1	497.7	1065.9

TABLE Short-term Interim Approved-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to
Waterworks Way

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34500 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
111.1	210.2	438.1	936.8

TABLE Short-term Interim Approved-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33500 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
109.6	206.5	429.8	918.6

TABLE Short-term Interim Approved-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34800 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
111.6	211.3	440.6	942.2

TABLE Short-term Interim Approved-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway

NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33800 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
110.1	207.6	432.3	924.1

TABLE Short-term Interim Approved-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Short-term Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 43800 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
125.0	243.7	512.4	1097.7

Project-01

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23300 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): 55 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.6	164.6	338.7	722.0

Project-02

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28800 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): 61 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
-----	-----	-----	-----
102.9	188.7	389.6	831.0

Project-03

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 20300 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.4	149.5	308.8	658.8

Project-04

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to Marine Way
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 52100 SPEED (MPH): 55 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): 70 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
-----	-----	-----	-----
160.6	319.2	674.4	1446.6

Project-05

TABLE Short-term Interim Approved With

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
 ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
 Off-Ramp
 NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 64000 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
180.0	364.0	772.6	1658.7

Project-06

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34300 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
124.8	243.3	511.5	1095.9

Project-07

TABLE Short-term Interim Approved With

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33600 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
123.5	240.2	504.6	1081.0

Project-08

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine Center Drive
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34100 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
124.5	242.5	509.6	1091.6

Project-09

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to
Waterworks Way
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36000 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
113.4	215.8	450.5	963.6

Project-10

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35000 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): 60 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
-----	-----	-----	-----
111.9	212.1	442.3	945.8

Project-11

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36800 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
114.6	218.7	457.0	977.8

Project-12

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34100 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
110.5	208.7	434.8	929.5

Project-13

TABLE Short-term Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Short-term Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 44900 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
126.6	247.6	520.8	1116.0

TABLE Long-Range Interim Approved-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26200 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): 55 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
95.3	176.6	365.5	780.4

TABLE Long-Range Interim Approved-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33600 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): 61 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
110.3	207.1	430.7	920.5

TABLE Long-Range Interim Approved-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22800 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.7	160.4	333.1	711.5

TABLE Long-Range Interim Approved-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to
Marine Way

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 54400 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
164.4	328.1	693.9	1488.7

TABLE Long-Range Interim Approved-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
Off-Ramp

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 59900 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
173.4	348.9	739.5	1587.3

TABLE Long-Range Interim Approved-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35900 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
127.8	250.4	527.1	1129.6

TABLE Long-Range Interim Approved-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35100 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
126.3	246.9	519.3	1112.8

TABLE Long-Range Interim Approved-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine Center Drive
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 32800 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
122.0	236.6	496.7	1063.8

TABLE Long-Range Interim Approved-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to
Waterworks Way
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34300 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
110.8	209.5	436.5	933.2

TABLE Long-Range Interim Approved-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34100 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
110.5	208.7	434.8	929.5

TABLE Long-Range Interim Approved-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35300 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
112.3	213.2	444.7	951.1

TABLE Long-Range Interim Approved-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33600 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
109.7	206.9	430.6	920.5

TABLE Long-Range Interim Approved-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 45800 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.33

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
127.9	250.7	527.6	1130.8

Project-01

TABLE Long-Range Interim Approved With

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
 ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue
 NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26300 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): 55 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
95.5	177.0	366.5	782.3

Project-02

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34300 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): 61 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
111.4	209.8	436.6	933.1

Project-03

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23100 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
86.2	161.6	335.9	717.7

Project-04

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to Marine Way
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 54600 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
164.8	328.8	695.6	1492.4

Project-05
 TABLE Long-Range Interim Approved With
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
 ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
 Off-Ramp
 NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 60100 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
173.7	349.6	741.1	1590.8

Project-06

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36200 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
128.4	251.7	530.0	1135.9

Project-07

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35400 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
126.9	248.2	522.3	1119.1

Project-08

TABLE Long-Range Interim Approved With

FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine Center Drive

NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33400 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
123.2	239.3	502.7	1076.7

Project-09

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to
Waterworks Way
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35200 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): 60 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
-----	-----	-----	-----
112.2	212.8	443.9	949.3

Project-10

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 35000 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): 60 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
-----	-----	-----	-----
111.9	212.1	442.3	945.8

Project-11

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36300 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
113.9	216.9	453.0	968.9

Project-12

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33500 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
109.6	206.5	429.8	918.6

Project-13

TABLE Long-Range Interim Approved With
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Long-Range Interim Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 46100 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
128.4	251.7	529.9	1135.7

TABLE Build Out Approved-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue

NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 25200 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): 55 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
93.7	172.5	356.4	760.5

TABLE Build Out Approved-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine
NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33200 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): 61 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
109.7	205.6	427.4	913.2

TABLE Build Out Approved-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22200 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
84.7	157.8	327.3	699.0

TABLE Build Out Approved-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to
Marine Way

NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 64100 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
180.1	364.3	773.4	1660.5

TABLE Build Out Approved-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
Off-Ramp
NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 70500 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
190.2	387.4	823.6	1769.0

TABLE Build Out Approved-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road

NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41900 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
138.8	276.1	583.6	1251.8

TABLE Build Out Approved-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41300 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
137.7	273.6	578.1	1239.9

TABLE Build Out Approved-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine
Center Drive
NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37500 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
130.8	257.4	542.4	1162.8

TABLE Build Out Approved-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to Waterworks Way
NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38900 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
117.8	226.4	474.0	1014.5

TABLE Build Out Approved-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway
NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 39800 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
119.1	229.6	481.1	1030.0

TABLE Build Out Approved-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine

NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 40300 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
119.8	231.4	485.1	1038.6

TABLE Build Out Approved-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway

NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38000 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
116.4	223.1	466.7	998.8

TABLE Build Out Approved-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Build Out Approved

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 50800 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
135.1	267.6	564.9	1211.4

TABLE Build Out Approved With Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Jeffrey Road to Sand Canyon Avenue

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 25100 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): 55 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
-----	-----	-----	-----
93.6	172.1	355.5	758.5

TABLE Build Out Approved With Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Sand Canyon Avenue to Hoag Irvine

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 33700 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): 61 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
-----	-----	-----	-----
110.4	207.5	431.6	922.3

TABLE Build Out Approved With Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Alton Parkway from Hoag Irvine to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22500 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): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.2	159.1	330.2	705.3

TABLE Build Out Approved With Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Northbound Off-Ramp to
Marine Way

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 64200 SPEED (MPH): 55 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): 70 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 73.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
180.3	364.7	774.2	1662.2

TABLE Build Out Approved With Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Marine Way to I-5 Southbound
Off-Ramp

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 70700 SPEED (MPH): 55 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): 70 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
-----	-----	-----	-----
190.5	388.1	825.2	1772.4

TABLE Build Out Approved With Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from I-5 Southbound Off-Ramp to Burt Road

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 42200 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
139.3	277.3	586.3	1257.8

TABLE Build Out Approved With Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Burt Road to Laguna Canyon Road

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41600 SPEED (MPH): 55 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): 60 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
-----	-----	-----	-----
138.2	274.8	580.8	1245.9

TABLE Build Out Approved With Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Laguna Canyon Road to Irvine Center Drive

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38000 SPEED (MPH): 55 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
131.7	259.5	547.2	1173.1

TABLE Build Out Approved With Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Irvine Center Drive to
Waterworks Way

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 39700 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
118.9	229.2	480.3	1028.3

TABLE Build Out Approved With Project-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Waterworks Way to Barranca Parkway

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 40600 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
120.3	232.5	487.5	1043.7

TABLE Build Out Approved With Project-11
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Barranca Parkway to Hoag Irvine

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41100 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
121.0	234.2	491.4	1052.3

TABLE Build Out Approved With Project-12
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020

ROADWAY SEGMENT: Sand Canyon Avenue from Hoag Irvine to Alton Parkway

NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37700 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
116.0	222.0	464.3	993.6

TABLE Build Out Approved With Project-13
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 09/09/2020
ROADWAY SEGMENT: Sand Canyon Avenue from Alton Parkway to I-405
Northbound Off-Ramp
NOTES: Hoag Hospital Expansion - Build Out Approved With Project

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 50900 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): 60 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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135.3	267.9	565.6	1213.0
