

**APPENDIX G**

**NOISE CALCULATIONS SHEETS**

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**NOISE LEVEL CALCULATIONS**

**LONG-TERM OPERATIONS**

### Belmont Pool Noise Analysis

	Distance (ft)	Exterior Noise Level	Energy	Interior Noise Level (Windows and Doors Open)	Energy	Interior Noise Level (Windows and Doors Closed)	Energy	Building Attenuation	Exterior Noise Standard					Interior Noise Standard			
									L50	L25	L8	L2	Lmax	L8	L2	Lmax	
<b>Children's Center</b>																	
Bleacher	190	48.9	77624.7	36.9	4897.8	24.9	309.0	8	N	N	N	N	N	N	N	N	N
PA System		54.2	263026.8	42.2	16595.9	30.2	1047.1		Y	N	N	N	N	N	N	N	N
<b>Combined</b>		<b>55.3</b>		<b>43.3</b>		<b>31.3</b>			Y	Y	N	N	N	N	N	N	N
<b>Residences (Across from Ocean Boulevard)</b>																	
Bleacher	325	47.3	53703.2	35.3	3388.4	23.3	213.8	5	N	N	N	N	N	N	N	N	N
PA System		54.5	281838.3	42.5	17782.8	30.5	1122.0		Y	N	N	N	N	N	N	N	N
<b>Combined</b>		<b>55.3</b>		<b>43.3</b>		<b>31.3</b>			Y	Y	N	N	N	N	N	N	N
<b>Residences (Across from Termino Avenue)</b>																	
Bleacher	320	47.4	54954.1	35.4	3467.4	23.4	218.8	5	N	N	N	N	N	N	N	N	N
PA System		54.3	269153.5	42.3	16982.4	30.3	1071.5		Y	N	N	N	N	N	N	N	N
<b>Combined</b>		<b>55.1</b>		<b>43.1</b>		<b>31.1</b>			Y	Y	N	N	N	N	N	N	N

## Speaker Analysis

PA System	Reference Distance (ft)	Reference Noise	Energy
Speaker 1	50	71.3	13489628.8
Speaker 2	50	71.3	13489628.8
Speaker 3	50	71.3	13489628.8
Speaker 4	50	71.3	13489628.8
<b>Speakers 1-4</b>		<b>77.3</b>	

PA System	Reference Distance (ft)	Reference Noise	Energy
Speaker 5	50	71.3	13489628.8
Speaker 6	50	71.3	13489628.8
<b>Speakers 5-6</b>		<b>74.3</b>	

PA System	Reference Distance (ft)	Reference Noise	Energy
Speaker 7	50	71.3	13489628.8
Speaker 8	50	71.3	13489628.8
Speaker 9	50	71.3	13489628.8
Speaker 10	50	71.3	13489628.8
<b>Speakers 7-10</b>		<b>77.3</b>	

PA System	Reference Distance (ft)	Reference Noise	Energy
Speaker 11	50	71.3	13489628.8
Speaker 12	50	71.3	13489628.8
Speaker 13	50	71.3	13489628.8
<b>Speakers 11-13</b>		<b>76.1</b>	

### Children's Center

PA System	Reference Distance (ft)	Reference Noise	Distance (ft)	Noise Level	Intervening Buildings	Directionality Attenuation	Final Noise Level	Energy
Speakers 1-4	50	77.3	307	61.5	8	5	48.5	70794.6
Speakers 5-6	50	74.3	349	57.4	8	1	48.4	69183.1
Speakers 7-10	50	77.3	412	59	8	1	50	100000.0
Speakers 11-13	50	76.1	444	57.1	8	5	44.1	25704.0

Exterior **54.2**  
Interior **30.2**

### Residential 1 (Across from Ocean Boulevard)

PA System	Reference Distance (ft)	Reference Noise	Distance (ft)	Noise Level	Intervening Buildings	Directionality Attenuation	Final Noise Level	Energy
Speakers 1-4	50	77.3	440	58.4	5	5	48.4	69183.1
Speakers 5-6	50	74.3	363	57.1	5	5	47.1	51286.1
Speakers 7-10	50	77.3	328	61	5	5	51	125892.5
Speakers 11-13	50	76.1	527	55.6	5	5	45.6	36307.8

Exterior **54.5**  
Interior **30.5**

### Residential 2 (Across from Termino Avenue)

PA System	Reference Distance (ft)	Reference Noise	Distance (ft)	Noise Level	Intervening Buildings	Directionality Attenuation	Final Noise Level	Energy
Speakers 1-4	50	77.3	426	58.7	5	5	48.7	74131.0
Speakers 5-6	50	74.3	509	54.1	5	1	48.1	64565.4
Speakers 7-10	50	77.3	589	55.9	5	1	49.9	97723.7
Speakers 11-13	50	76.1	538	55.5	5	5	45.5	35481.3

Exterior **54.3**  
Interior **30.3**

**EXISTING TRAFFIC NOISE LEVEL OUTPUT FILE**

TABLE Existing NP (PM)-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard West of Redondo Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25230      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	75.0	154.9	330.6

TABLE Existing NP (PM)-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Redondo Avenue and Loma Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27195      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	78.5	162.7	347.4



TABLE Existing NP (PM)-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Loma Avenue and Mira-Mar Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 27855      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	79.6	165.2	353.0

TABLE Existing NP (PM)-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9240      SPEED (MPH): 30      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	82.0	170.5

TABLE Existing NP (PM)-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Termino Avenue and Bennett Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9575      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	83.8	174.5

TABLE Existing NP (PM)-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Bennett Avenue and Granada Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	77.9	161.5

TABLE Existing NP (PM)-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard East of Granada Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7730      SPEED (MPH): 30      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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0.0	0.0	73.6	151.8

TABLE Existing NP (PM)-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19405      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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	80.0	166.2	355.1

TABLE Existing NP (PM)-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Termino Avenue and 2nd Street

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20155      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) = 65.73

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	81.9	170.4	364.2

TABLE Existing NP (PM)-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Livingston Avenue East of 2nd Street  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3190      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) = 55.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	62.9



TABLE Existing NP (PM)-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: 2nd Street South of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20860      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	104.2	219.7

TABLE Existing NP (PM)-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3110      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): 18      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	106.2

TABLE Existing NP (PM)-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Termino Avenue Between Ocean Boulevard and Livingston Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3495      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): 18      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	55.5	114.5

TABLE Existing NP (PM)-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue North of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 830      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) = 49.92

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

TABLE Existing NP (PM)-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Bennett Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1120      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) = 51.22

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

TABLE Existing NP (PM)-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Bennett Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 740      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) = 49.42

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

TABLE Existing NP (PM)-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Granada Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 710      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) = 49.24

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

TABLE Existing NP (PM)-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Granada Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1500      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) = 52.49

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



TABLE Existing P (PM)-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard West of Redondo Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26110      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): 24      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	76.6	158.4	338.2

TABLE Existing P (PM)-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Redondo Avenue and Loma Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28505      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	80.7	167.8	358.4

TABLE Existing P (PM)-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Loma Avenue and Mira-Mar Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 29095      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	81.7	170.0	363.3

TABLE Existing P (PM)-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10435      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	88.3	184.6

TABLE Existing P (PM)-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Termino Avenue and Bennett Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10815      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	90.3	189.0

TABLE Existing P (PM)-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard Between Bennett Avenue and Granada Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9590      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	83.8	174.7

---

TABLE Existing P (PM)-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard East of Granada Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8360      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	77.1	159.7

TABLE Existing P (PM)-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19555      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) = 65.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	80.4	167.1	356.9



TABLE Existing P (PM)-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Termino Avenue and 2nd Street

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20420      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) = 65.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	82.6	171.9	367.4

TABLE Existing P (PM)-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Livingston Avenue East of 2nd Street  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3190      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) = 55.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	62.9

---

TABLE Existing P (PM)-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: 2nd Street South of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21110      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	105.0	221.4

TABLE Existing P (PM)-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3930      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): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	59.6	123.6

---

TABLE Existing P (PM)-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Termino Avenue Between Ocean Boulevard and Livingston Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3955      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): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	59.8	124.1

TABLE Existing P (PM)-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue North of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 910      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) = 50.32

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

TABLE Existing P (PM)-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Bennett Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3600      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) = 56.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	68.1

TABLE Existing P (PM)-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Bennett Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 740      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) = 49.42

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



TABLE Existing P (PM)-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Granada Avenue South of Ocean Boulevard

NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 710      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) = 49.24

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

TABLE Existing P (PM)-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Granada Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (PM)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1810      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) = 53.30

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

---

TABLE Existing NP (Sat)-01  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
 ROADWAY SEGMENT: Ocean Boulevard West of Redondo Avenue  
 NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18050      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	61.7	124.8	264.8

TABLE Existing NP (Sat)-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Redondo Avenue and Loma Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19720      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	64.9	132.1	280.8

TABLE Existing NP (Sat)-03  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Loma Avenue and Mira-Mar Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20655      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	66.7	136.1	289.5

TABLE Existing NP (Sat)-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8540      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	78.1	161.9

TABLE Existing NP (Sat)-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Termino Avenue and Bennett Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8900      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	80.1	166.4

TABLE Existing NP (Sat)-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Bennett Avenue and Granada Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7705      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	73.5	151.5



TABLE Existing NP (Sat)-07  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
 ROADWAY SEGMENT: Ocean Boulevard East of Granada Avenue  
 NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7240      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	70.8	145.5

TABLE Existing NP (Sat)-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12785      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) = 63.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	62.6	126.8	269.4

TABLE Existing NP (Sat)-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Termino Avenue and 2nd Street

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14490      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) = 64.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	67.3	137.5	292.6

TABLE Existing NP (Sat)-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Livingston Avenue East of 2nd Street  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3050      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) = 55.57

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

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TABLE Existing NP (Sat)-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: 2nd Street South of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16370      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	89.5	187.3

---

TABLE Existing NP (Sat)-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2990      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): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	103.5

TABLE Existing NP (Sat)-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Termino Avenue Between Ocean Boulevard and Livingston Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3440      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): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	55.0	113.3

TABLE Existing NP (Sat)-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue North of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 600      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) = 48.51

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



TABLE Existing NP (Sat)-15  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
 ROADWAY SEGMENT: Bennett Avenue South of Ocean Boulevard  
 NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1560      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) = 52.66

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

TABLE Existing NP (Sat)-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Bennett Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 700      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) = 49.18

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

---

TABLE Existing NP (Sat)-17  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
 ROADWAY SEGMENT: Granada Avenue South of Ocean Boulevard  
 NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1150      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) = 51.33

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

TABLE Existing NP (Sat)-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Granada Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing NP (Sat)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1420      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) = 52.25

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

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TABLE Existing P (Sat)-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard West of Redondo Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20210      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	65.8	134.2	285.4

TABLE Existing P (Sat)-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Redondo Avenue and Loma Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23050      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): 24      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	71.1	146.1	311.3

TABLE Existing P (Sat)-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Loma Avenue and Mira-Mar Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23655      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	72.2	148.6	316.7

TABLE Existing P (Sat)-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11540      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	94.0	197.2



TABLE Existing P (Sat)-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard Between Termino Avenue and Bennett Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12280      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	97.7	205.4

TABLE Existing P (Sat)-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Ocean Boulevard Between Bennett Avenue and Granada Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10665      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	89.5	187.3

TABLE Existing P (Sat)-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Ocean Boulevard East of Granada Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8940      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): 24      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	80.3	166.9

---

TABLE Existing P (Sat)-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Mira-Mar Avenue and Termino Avenue

NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12895      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) = 63.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	62.9	127.5	270.9

TABLE Existing P (Sat)-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016

ROADWAY SEGMENT: Livingston Avenue Between Termino Avenue and 2nd Street

NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15215      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) = 64.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	69.2	141.9	302.2

TABLE Existing P (Sat)-10  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
 ROADWAY SEGMENT: Livingston Avenue East of 2nd Street  
 NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3050      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) = 55.57

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

TABLE Existing P (Sat)-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: 2nd Street South of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17060      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): 24      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	91.9	192.5

TABLE Existing P (Sat)-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5230      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): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	71.0	149.0



TABLE Existing P (Sat)-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue Between Ocean Boulevard and Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4560      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): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	65.2	136.2

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TABLE Existing P (Sat)-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Termino Avenue North of Livingston Avenue  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 850      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) = 50.02

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

TABLE Existing P (Sat)-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Bennett Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8320      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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	55.4	118.7

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TABLE Existing P (Sat)-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Bennett Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 700      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) = 49.18

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

TABLE Existing P (Sat)-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Granada Avenue South of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1150      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) = 51.33

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

TABLE Existing P (Sat)-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/09/2016  
ROADWAY SEGMENT: Granada Avenue North of Ocean Boulevard  
NOTES: Belmont Pool Revitalization - Existing - Existing P (Sat)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2260      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) = 54.27

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