



APPENDIX G:  
NOISE TECHNICAL APPENDIX

# **Carson Marketplace**

## Draft EIR – Appendix G

Noise Technical Appendix

Provided by PCR Services Corporation

October 2005

- G-1 Noise Monitoring Data
- G-2 TENS Analysis (Roadway Noise)

# Appendix G-1

- Noise Monitoring Data

Noise Measurement Data

Project: **Carson Marketplace** Location: **North**

**07/12/05** **07/13/05** **07/14/05** **07/15/05**

**Start Date and Time**

12:45:15 AM		55.80	56.90
1:45:15 AM		52.50	55.60
2:45:15 AM		53.70	53.90
3:45:15 AM		54.70	56.80
4:45:15 AM		59.70	60.70
5:45:15 AM		65.10	65.30
6:45:15 AM		67.70	67.60
7:45:15 AM	67.60	68.60	
8:45:15 AM	65.90	66.20	
9:45:15 AM	65.70	66.30	
10:45:15 AM	65.80	65.80	
11:45:15 AM	65.50	66.40	
12:45:15 PM	66.60	67.50	
1:45:15 PM	66.10	67.30	
2:45:15 PM	67.70	68.60	
3:45:15 PM	68.40	69.50	
4:45:15 PM	69.80	70.10	
5:45:15 PM	68.70	68.90	
6:45:15 PM	67.20	67.50	
7:45:15 PM	66.20	66.00	
8:45:15 PM	65.10	65.30	
9:45:15 PM	62.90	63.60	
10:45:15 PM	60.90	61.60	
11:45:15 PM	57.50	60.20	

7/12/2005	▲	12:00:00 AM	▲	Start
7/13/2005		1:00:00 AM		7/13/05 12:00 AM
7/14/2005		2:00:00 AM		End
7/15/2005	▼	3:00:00 AM	▼	7/14/05 12:00 AM
		4:00:00 AM		
		5:00:00 AM		
		6:00:00 AM	▼	

<b>CNEL</b>	<b>70.0</b>
L <sub>dn</sub>	69.6
24-hr Max.	70.1
24-hr Min.	52.5
24-hr Nighttime Average <sup>a</sup>	61.8
24-hr Nighttime Max	67.7
24-hr Nighttime Min	52.5
24-hr Daytime Average <sup>a</sup>	67.5
24-hr Daytime Max	70.1
24-hr Daytime Min	63.6
Total Period Average	65.9
Total Period Max	70.1
Total Period Min	52.5
Total Period Daytime Average	67.2
Total Period Daytime Max	70.1
Total Period Daytime Min	65.5
Total Period Nighttime Average	61.8
Total Period Nighttime Max	67.7
Total Period Nighttime Min	52.5

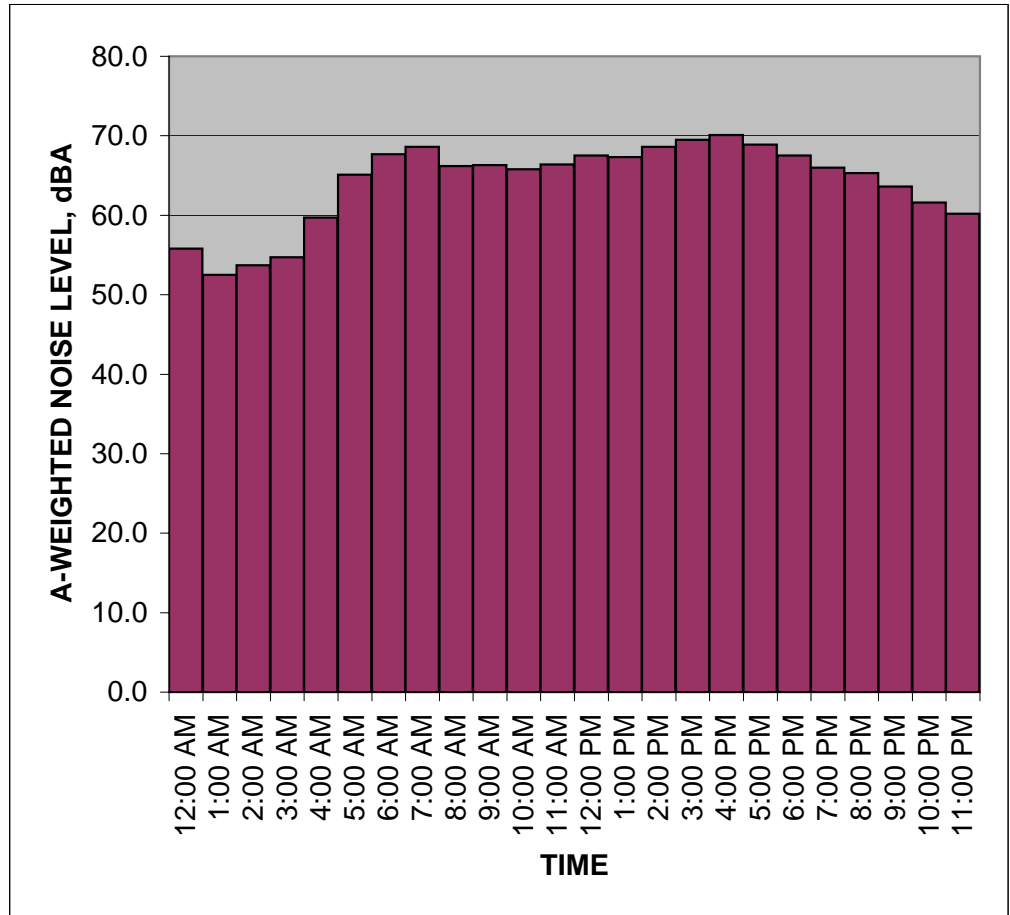
<sup>a</sup> Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

# Community Noise Equivalent Level, CNEL.

Project: Carson Marketplace  
 Location: North  
 Sources: Traffic Volumes

Date: July 12-14, 2005

TIME	HNL, dB(A)
12:00 AM	55.8
1:00 AM	52.5
2:00 AM	53.7
3:00 AM	54.7
4:00 AM	59.7
5:00 AM	65.1
6:00 AM	67.7
7:00 AM	68.6
8:00 AM	66.2
9:00 AM	66.3
10:00 AM	65.8
11:00 AM	66.4
12:00 PM	67.5
1:00 PM	67.3
2:00 PM	68.6
3:00 PM	69.5
4:00 PM	70.1
5:00 PM	68.9
6:00 PM	67.5
7:00 PM	66.0
8:00 PM	65.3
9:00 PM	63.6
10:00 PM	61.6
11:00 PM	60.2
<b>CNEL, dB(A):</b>	<b>70.0</b>



NOTES:

Noise Measurement Data

Project: **Carson Marketplace** Location: **North East**

	07/14/05	07/15/05	07/16/05	07/17/05	Start Date and Time	
12:34:06 AM		58.30	59.30	59.40	7/14/2005	12:00:00 AM ▲
1:34:06 AM		56.80	58.40	58.10	7/15/2005	1:00:00 AM ▲
2:34:06 AM		55.80	57.50	56.30	7/16/2005	2:00:00 AM ▲
3:34:06 AM		57.30	55.50	53.60	7/17/2005	3:00:00 AM ▼
4:34:06 AM		60.60	58.10	55.70		4:00:00 AM ▼
5:34:06 AM		63.90	59.80	58.10		5:00:00 AM ▼
6:34:06 AM		64.00	60.00	60.00		6:00:00 AM ▼
7:34:06 AM		62.30	60.90	59.70		
8:34:06 AM		59.50	61.00	59.20		
9:34:06 AM	61.20	61.30	60.90	61.50		
10:34:06 AM	60.10	60.50	60.30	59.50		
11:34:06 AM	60.40	58.50	58.00	59.30		
12:34:06 PM	62.30	61.30	58.10	58.30		
1:34:06 PM	58.50	59.60	59.20	58.20		
2:34:06 PM	56.40	57.00	58.70			
3:34:06 PM	60.10	58.00	58.60			
4:34:06 PM	61.70	57.80	56.90			
5:34:06 PM	58.80	58.00	59.40			
6:34:06 PM	59.30	59.30	61.20			
7:34:06 PM	61.80	61.80	62.10			
8:34:06 PM	64.10	61.70	62.00			
9:34:06 PM	63.50	62.30	61.50			
10:34:06 PM	62.20	60.90	60.90			
11:34:06 PM	60.30	59.30	61.90			

<b>CNEL</b>	<b>67.5</b>
L <sub>dn</sub>	67.2
24-hr Max.	64.0
24-hr Min.	55.8
24-hr Nighttime Average <sup>a</sup>	60.8
24-hr Nighttime Max	64.0
24-hr Nighttime Min	55.8
24-hr Daytime Average <sup>a</sup>	60.3
24-hr Daytime Max	62.3
24-hr Daytime Min	57.0
Total Period Average	60.1
Total Period Max	64.1
Total Period Min	53.6
Total Period Daytime Average	60.4
Total Period Daytime Max	62.3
Total Period Daytime Min	56.4
Total Period Nighttime Average	59.7
Total Period Nighttime Max	64.1
Total Period Nighttime Min	53.6

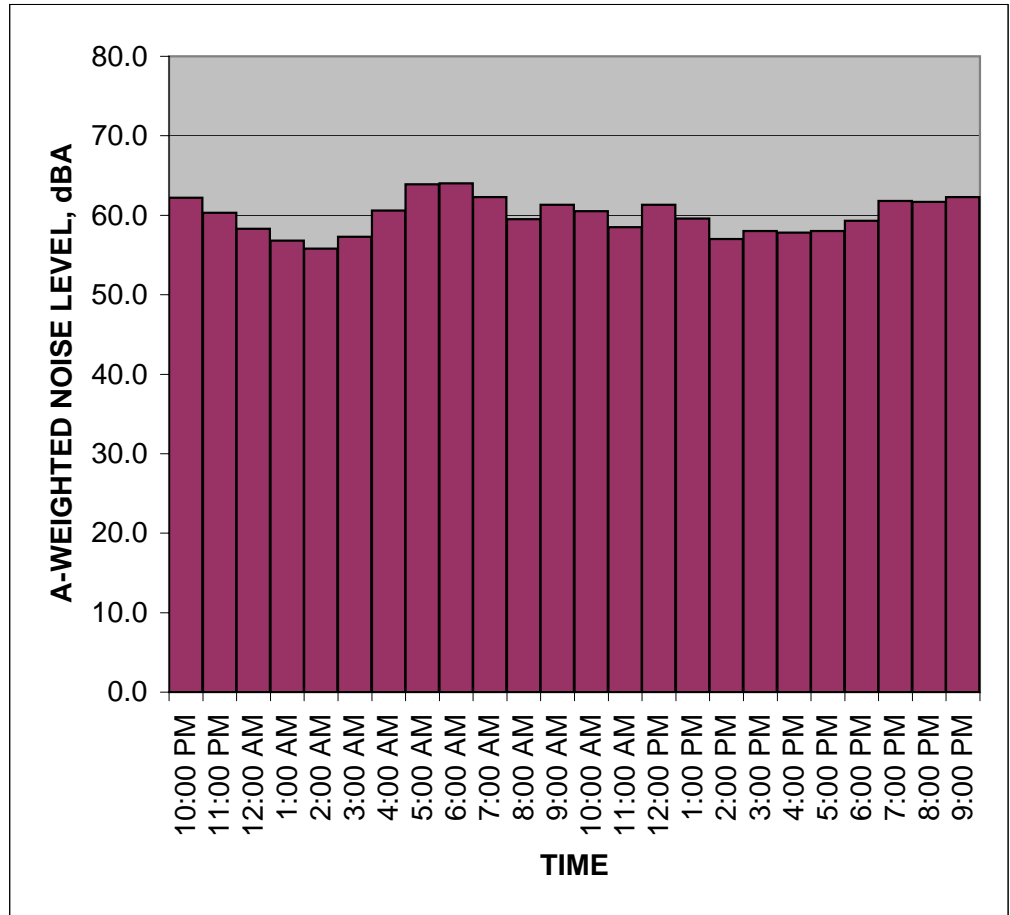
<sup>a</sup> Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

# Community Noise Equivalent Level, CNEL.

Project: Carson Marketplace  
 Location: North East  
 Sources: Traffic Volumes

Date: July 12-14, 2005

TIME	HNL, dB(A)
10:00 PM	62.2
11:00 PM	60.3
12:00 AM	58.3
1:00 AM	56.8
2:00 AM	55.8
3:00 AM	57.3
4:00 AM	60.6
5:00 AM	63.9
6:00 AM	64.0
7:00 AM	62.3
8:00 AM	59.5
9:00 AM	61.3
10:00 AM	60.5
11:00 AM	58.5
12:00 PM	61.3
1:00 PM	59.6
2:00 PM	57.0
3:00 PM	58.0
4:00 PM	57.8
5:00 PM	58.0
6:00 PM	59.3
7:00 PM	61.8
8:00 PM	61.7
9:00 PM	62.3
<b>CNEL, dB(A):</b>	<b>67.5</b>



**NOTES:**

Noise Measurement Data

Project: **Carson Marketplace** Location: **Southeast**

**07/18/05 07/19/05 07/20/05 07/21/05**

**Start Date and Time**

12:00:00 AM		61.68	61.3
1:00:00 AM		64.17	60.01
2:00:00 AM		65.05	59.98
3:00:00 AM		66.06	61.02
4:00:00 AM		66.62	61.8
5:00:00 AM		71.54	64.69
6:00:00 AM		72.32	66.29
7:00:00 AM		70.27	65.09
8:00:00 AM		68.91	65.03
9:00:00 AM		65.82	66.32
10:00:00 AM		64.42	
11:00:00 AM		64.96	
12:00:00 PM	67.13	65.01	
1:00:00 PM	66.2	63.76	
2:00:00 PM	66.23	63.32	
3:00:00 PM	65.83	60.52	
4:00:00 PM	64.7	60.63	
5:00:00 PM	63.34	59.75	
6:00:00 PM	62.24	59.24	
7:00:00 PM	62.55	60.12	
8:00:00 PM	61.83	63.66	
9:00:00 PM	62.05	66.12	
10:00:00 PM	61.52	63.18	
11:00:00 PM	60.12	61.29	

7/18/2005	▲	12:00:00 AM	▲	Start
7/19/2005		1:00:00 AM		7/19/05 12:00 AM
7/20/2005		2:00:00 AM		End
7/21/2005	▼	3:00:00 AM		7/20/05 12:00 AM
		4:00:00 AM		
		5:00:00 AM		
		6:00:00 AM	▼	

<b>CNEL</b>	<b>73.8</b>
L <sub>dn</sub>	73.6
24-hr Max.	72.3
24-hr Min.	59.2
24-hr Nighttime Average <sup>a</sup>	67.5
24-hr Nighttime Max	72.3
24-hr Nighttime Min	61.3
24-hr Daytime Average <sup>a</sup>	65.0
24-hr Daytime Max	70.3
24-hr Daytime Min	59.2
Total Period Average	65.2
Total Period Max	72.3
Total Period Min	59.2
Total Period Daytime Average	64.9
Total Period Daytime Max	70.3
Total Period Daytime Min	59.2
Total Period Nighttime Average	65.7
Total Period Nighttime Max	72.3
Total Period Nighttime Min	60.0

<sup>a</sup> Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

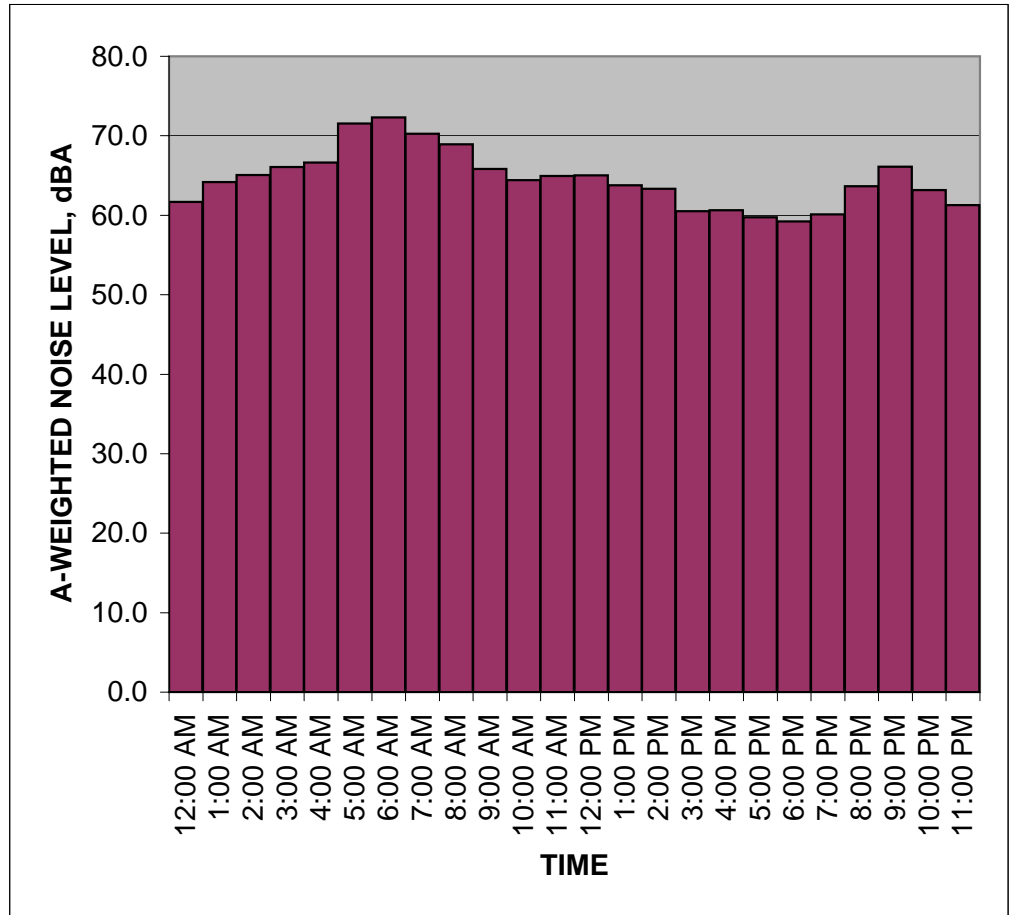


# Community Noise Equivalent Level, CNEL.

Project: Carson Marketplace  
 Location: Southeast  
 Sources: Traffic Volumes

Date: July 18-20, 2005

TIME	HNL, dB(A)
12:00 AM	61.7
1:00 AM	64.2
2:00 AM	65.1
3:00 AM	66.1
4:00 AM	66.6
5:00 AM	71.5
6:00 AM	72.3
7:00 AM	70.3
8:00 AM	68.9
9:00 AM	65.8
10:00 AM	64.4
11:00 AM	65.0
12:00 PM	65.0
1:00 PM	63.8
2:00 PM	63.3
3:00 PM	60.5
4:00 PM	60.6
5:00 PM	59.8
6:00 PM	59.2
7:00 PM	60.1
8:00 PM	63.7
9:00 PM	66.1
10:00 PM	63.2
11:00 PM	61.3
<b>CNEL, dB(A):</b>	<b>73.8</b>



**NOTES:**

Noise Measurement Data

Project: **Carson Marketplace** Location: **North West**

**07/14/05 07/15/05 07/16/05 07/17/05**

**Start Date and Time**

Time	07/14/05	07/15/05	07/16/05	07/17/05
12:00:00 AM		60.20	55.33	
1:00:00 AM		62.92	55.30	
2:00:00 AM		61.50	55.79	
3:00:00 AM		65.48	56.32	
4:00:00 AM		67.58	56.21	
5:00:00 AM		67.04	58.50	
6:00:00 AM		69.93	59.95	
7:00:00 AM		73.64	60.59	
8:00:00 AM	60.36	74.21	61.46	
9:00:00 AM	58.58	75.41	61.69	
10:00:00 AM	60.67	69.76	60.07	
11:00:00 AM	59.07	64.76		
12:00:00 PM	57.11	57.91		
1:00:00 PM	57.09	58.27		
2:00:00 PM	56.41	59.55		
3:00:00 PM	54.18	56.66		
4:00:00 PM	54.23	58.13		
5:00:00 PM	54.78	54.98		
6:00:00 PM	53.25	55.93		
7:00:00 PM	51.79	55.76		
8:00:00 PM	48.92	55.34		
9:00:00 PM	57.19	54.41		
10:00:00 PM	56.55	54.48		
11:00:00 PM	61.53	54.99		

7/14/2005	▲ 12:00:00 AM ▲	Start
7/15/2005	1:00:00 AM	7/15/05 12:00 AM
7/16/2005	2:00:00 AM	End
7/17/2005	3:00:00 AM	7/16/05 12:00 AM
	4:00:00 AM	
	5:00:00 AM	
	6:00:00 AM ▼	

<b>CNEL</b>	<b>72.2</b>
L <sub>dn</sub>	72.1
24-hr Max.	75.4
24-hr Min.	54.4
24-hr Nighttime Average <sup>a</sup>	65.1
24-hr Nighttime Max	69.9
24-hr Nighttime Min	54.5
24-hr Daytime Average <sup>a</sup>	68.3
24-hr Daytime Max	75.4
24-hr Daytime Min	54.4
Total Period Average	64.6
Total Period Max	75.4
Total Period Min	48.9
Total Period Daytime Average	65.4
Total Period Daytime Max	75.4
Total Period Daytime Min	53.3
Total Period Nighttime Average	62.8
Total Period Nighttime Max	69.9
Total Period Nighttime Min	48.9

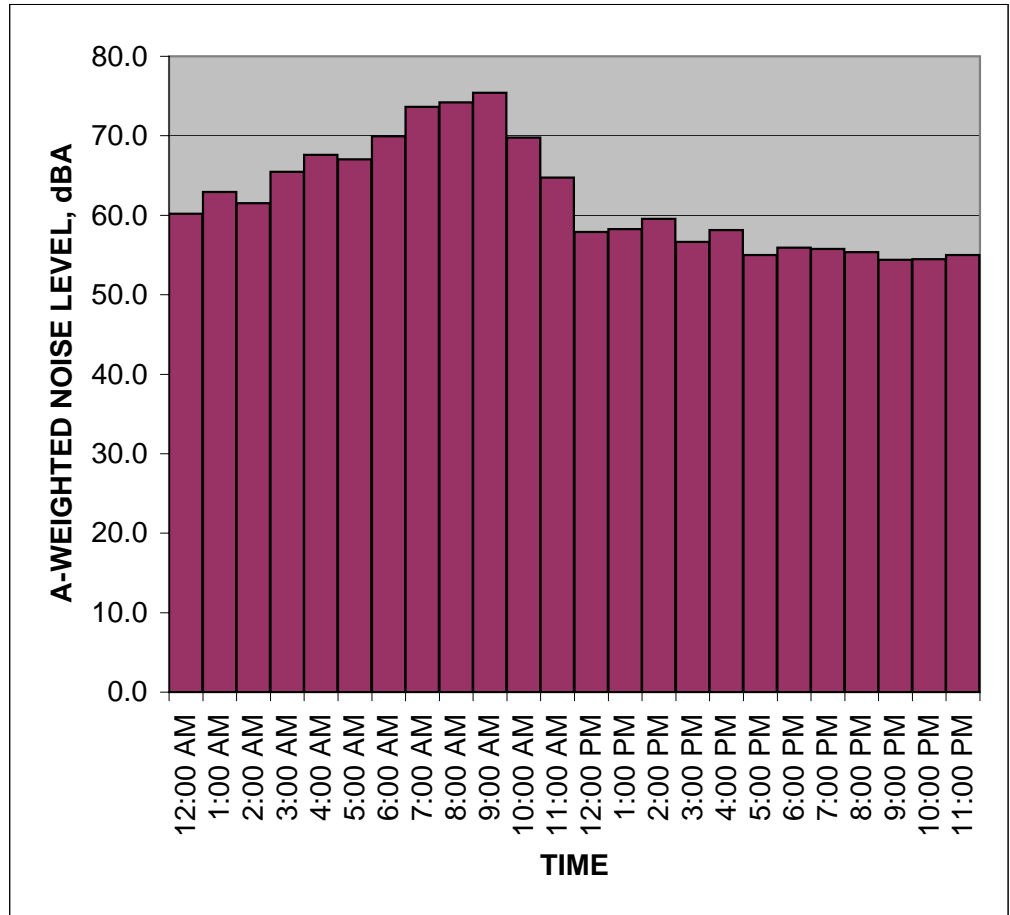
<sup>a</sup> Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

# Community Noise Equivalent Level, CNEL.

Project: Carson Marketplace  
 Location: North West  
 Sources: Traffic Volumes

Date: July 14-16, 2005

TIME	HNL, dB(A)
12:00 AM	60.2
1:00 AM	62.9
2:00 AM	61.5
3:00 AM	65.5
4:00 AM	67.6
5:00 AM	67.0
6:00 AM	69.9
7:00 AM	73.6
8:00 AM	74.2
9:00 AM	75.4
10:00 AM	69.8
11:00 AM	64.8
12:00 PM	57.9
1:00 PM	58.3
2:00 PM	59.6
3:00 PM	56.7
4:00 PM	58.1
5:00 PM	55.0
6:00 PM	55.9
7:00 PM	55.8
8:00 PM	55.3
9:00 PM	54.4
10:00 PM	54.5
11:00 PM	55.0
<b>CNEL, dB(A):</b>	<b>72.2</b>



**NOTES:**

# Appendix G-2

- TENS Analysis (Roadway Noise)

Carson Marketplace  
TENS Analysis

Existing									
Roadway/Segment	Traffic Volumes			ROW	Leq		CNEL		
	AM	PM	ADT		50 Feet	100 Feet	ROW	50 Feet	100 Feet
Main Street _ I-405 SB on Ramp to Del Amo Boulevard	1374	1590	-	67.3	63.6	61.6	68.5	64.8	62.9
Main Street _ Del Amo Boulevard to Lenardo Drive	1587	1709	-	67.6	63.9	62.0	68.8	65.1	63.2
Main Street _ Lenardo Drive to Torrance Boulevard	1598	1745	-	70.3	66.7	64.7	71.5	67.9	65.9
Del Amo Boulevard _ Figueroa Street to Main Street	1366	1434	-	68.7	64.8	62.7	69.9	66.0	63.9
Del Amo Boulevard _ Main Street to Stamps Drive	1687	1366	-	69.4	65.5	63.4	70.7	66.7	64.7
Del Amo Boulevard _ East of Stamps Drive	1797	1141	-	69.7	65.7	63.7	70.9	67.0	64.9
Lenardo Drive _ East of Main Street	-	-	-	-	-	-	-	-	-
Future - No Project									
Roadway/Segment	Traffic Volumes			ROW	Leq		CNEL		
	AM	PM	ADT		50 Feet	100 Feet	ROW	50 Feet	100 Feet
Main Street _ I-405 SB on Ramp to Del Amo Boulevard	1538	1779	-	67.7	64.1	62.1	69.0	65.3	63.4
Main Street _ Del Amo Boulevard to Lenardo Drive	1729	1872	-	68.0	64.3	62.4	69.2	65.5	63.6
Main Street _ Lenardo Drive to Torrance Boulevard	1741	1908	-	70.7	67.1	65.1	71.9	68.3	66.3
Del Amo Boulevard _ Figueroa Street to Main Street	1947	2117	-	70.4	66.5	64.4	71.6	67.7	65.6
Del Amo Boulevard _ Main Street to Stamps Drive	2363	2137	-	70.9	66.9	64.9	72.1	68.2	66.1
Del Amo Boulevard _ East of Stamps Drive	2479	1900	-	71.1	67.1	65.1	72.3	68.4	66.3
Lenardo Drive _ East of Main Street	-	-	-	-	-	-	-	-	-
Future - with Project									
Roadway/Segment	Traffic Volumes			ROW	Leq		CNEL		
	AM	PM	ADT		50 Feet	100 Feet	ROW	50 Feet	100 Feet
Main Street _ I-405 SB on Ramp to Del Amo Boulevard	1703	2126	-	68.5	64.9	62.9	69.7	66.1	64.1
Main Street _ Del Amo Boulevard to Lenardo Drive	1899	2201	-	68.7	65.0	63.1	69.9	66.2	64.3
Main Street _ Lenardo Drive to Torrance Boulevard	2102	2711	-	72.2	68.6	66.6	73.4	69.8	67.8
Del Amo Boulevard _ Figueroa Street to Main Street	2818	4061	-	73.3	69.3	67.3	74.5	70.5	68.5
Del Amo Boulevard _ Main Street to Stamps Drive	3292	4182	-	73.4	69.4	67.4	74.6	70.6	68.6
Del Amo Boulevard _ East of Stamps Drive	2793	2546	-	71.6	67.7	65.6	72.8	68.9	66.8
Lenardo Drive _ East of Main Street	467	1047	-	65.5	60.1	57.8	66.7	61.3	59.0

Summary				
Roadway/Segment	CNEL			
	50 ft. from ROW		At ROW	
	Project Increment	Cumulative Increment	Project Increment	Cumulative Increment
Main Street _ I-405 SB on Ramp to Del Amo Boulevard	0.8	1.3	0.7	1.2
Main Street _ Del Amo Boulevard to Lenardo Drive	0.7	1.1	0.7	1.1
Main Street _ Lenardo Drive to Torrance Boulevard	1.5	1.9	1.5	1.9
Del Amo Boulevard _ Figueroa Street to Main Street	2.8	4.5	2.9	4.6
Del Amo Boulevard _ Main Street to Stamps Drive	2.4	3.9	2.5	3.9
Del Amo Boulevard _ East of Stamps Drive	0.5	1.9	0.5	1.9
Lenardo Drive _ East of Main Street	-	-	-	-

Carson Marketplace  
TENS Analysis

Existing									
Roadway/Segment	Traffic Volumes			Leq			CNEL		
	AM	PM	ADT	ROW	50 Feet	100 Feet	ROW	50 Feet	100 Feet
Main Street _ Torrance Boulevard to 213th Street	1748	1770	-	67.3	63.9	62.0	68.5	65.1	63.2
Main Street _ 213th Street to Carson Street	1647	1848	-	67.5	64.1	62.2	68.7	65.3	63.4
Torrance Boulevard _ Main Street to Figueroa Street	908	1086	-	68.4	63.9	61.7	69.6	65.1	62.9
213th Street _ East of Main Street	688	704	-	63.1	59.2	57.2	64.4	60.4	58.4
Carson Street _ Figueroa Street to Main Street	1704	2389	-	69.9	65.7	63.7	71.2	67.0	64.9
Carson Street _ East of Main Street	1730	2370	-	69.9	65.7	63.6	71.1	66.9	64.8
Future - No Project									
Roadway/Segment	Traffic Volumes			Leq			CNEL		
	AM	PM	ADT	ROW	50 Feet	100 Feet	ROW	50 Feet	100 Feet
Main Street _ Torrance Boulevard to 213th Street	1904	1942	-	67.7	64.3	62.4	68.9	65.5	63.6
Main Street _ 213th Street to Carson Street	1798	2024	-	67.9	64.5	62.6	69.1	65.7	63.8
Torrance Boulevard _ Main Street to Figueroa Street	960	1151	-	68.6	64.1	62.0	69.8	65.3	63.2
213th Street _ East of Main Street	724	744	-	63.4	59.4	57.4	64.6	60.7	58.6
Carson Street _ Figueroa Street to Main Street	1942	2662	-	70.4	66.2	64.1	71.6	67.4	65.3
Carson Street _ East of Main Street	1998	2673	-	70.4	66.2	64.1	71.6	67.4	65.4
Future - with Project									
Roadway/Segment	Traffic Volumes			Leq			CNEL		
	AM	PM	ADT	ROW	50 Feet	100 Feet	ROW	50 Feet	100 Feet
Main Street _ Torrance Boulevard to 213th Street	2098	2372	-	68.6	65.2	63.3	69.8	66.4	64.5
Main Street _ 213th Street to Carson Street	1992	2454	-	68.7	65.3	63.4	70.0	66.5	64.6
Torrance Boulevard _ Main Street to Figueroa Street	1128	1523	-	69.8	65.3	63.2	71.0	66.6	64.4
213th Street _ East of Main Street	724	744	-	63.4	59.4	57.4	64.6	60.7	58.6
Carson Street _ Figueroa Street to Main Street	2056	2979	-	70.9	66.7	64.6	72.1	67.9	65.8
Carson Street _ East of Main Street	2052	2887	-	70.8	66.6	64.5	72.0	67.8	65.7

Summary				
Roadway/Segment	CNEL			
	50 ft. from ROW		At ROW	
	Project Increment	Cumulative Increment	Project Increment	Cumulative Increment
Main Street _ Torrance Boulevard to 213th Street	0.9	1.3	0.9	1.3
Main Street _ 213th Street to Carson Street	0.8	1.2	0.9	1.3
Torrance Boulevard _ East of Main Street	0.0	0.2	0.0	0.2
Torrance Boulevard _ Main Street to Figueroa Street	1.3	1.5	1.2	1.4
213th Street _ East of Main Street	0.0	0.3	0.0	0.2
Carson Street _ Figueroa Street to Main Street	0.5	0.9	0.5	0.9
Carson Street _ East of Main Street	0.4	0.9	0.4	0.9

Carson Marketplace  
TENS Analysis

Existing									
Roadway/Segment	Traffic Volumes			ROW	Leq		CNEL		
	AM	PM	ADT		50 Feet	100 Feet	ROW	50 Feet	100 Feet
Torrance Blvd _ East of Main Street	168	197	-	60.9	55.5	53.2	62.2	56.7	54.4
Carson Street _ West of Avalon Boulevard	1745	2347	-	68.6	65.1	63.2	69.8	66.3	64.4
Carson Street _ Avalon Bl to I-405 SB Ramps	2367	2371	-	68.6	65.2	63.3	69.8	66.4	64.5
Avalon Blvd _ North of I-405 NB Ramps	2774	3439	-	71.1	67.2	65.1	72.4	68.4	66.4
Avalon Boulevard _ I-405 SB Ramps to 213th Street	2172	2583	-	69.9	65.9	63.9	71.1	67.1	65.1
Avalon Boulevard _ 213th Street to Carson Street	2104	2510	-	69.8	65.8	63.8	71.0	67.0	65.0
213th Street _ West of Avalon Boulevard	637	795	-	65.1	60.3	58.0	66.4	61.5	59.2
Future - No Project									
Roadway/Segment	Traffic Volumes			ROW	Leq		CNEL		
	AM	PM	ADT		50 Feet	100 Feet	ROW	50 Feet	100 Feet
Torrance Blvd _ East of Main Street	176	207	-	61.2	55.7	53.4	62.4	56.9	54.6
Carson Street _ West of Avalon Boulevard	1935	2563	-	68.9	65.5	63.6	70.1	66.7	64.8
Carson Street _ Avalon Bl to I-405 SB Ramps	2551	2571	-	68.9	65.5	63.6	70.2	66.7	64.8
Avalon Blvd _ North of I-405 NB Ramps	3470	4236	-	72.0	68.1	66.0	73.3	69.3	67.3
Avalon Boulevard _ I-405 SB Ramps to 213th Street	2466	2921	-	70.4	66.5	64.4	71.6	67.7	65.6
Avalon Boulevard _ 213th Street to Carson Street	2389	2848	-	70.3	66.4	64.3	71.5	67.6	65.5
213th Street _ West of Avalon Boulevard	670	839	-	65.4	60.5	58.3	66.6	61.7	59.5
Future - with Project									
Roadway/Segment	Traffic Volumes			ROW	Leq		CNEL		
	AM	PM	ADT		50 Feet	100 Feet	ROW	50 Feet	100 Feet
Torrance Blvd _ East of Main Street	176	207	-	61.2	55.7	53.4	62.4	56.9	54.6
Carson Street _ West of Avalon Boulevard	1990	2777	-	69.3	65.9	64.0	70.5	67.1	65.2
Carson Street _ Avalon Bl to I-405 SB Ramps	2677	2799	-	69.3	65.9	64.0	70.5	67.1	65.2
Avalon Blvd _ North of I-405 NB Ramps	3581	4407	-	72.2	68.3	66.2	73.4	69.5	67.4
Avalon Boulevard _ I-405 SB Ramps to 213th Street	2749	3562	-	71.3	67.3	65.3	72.5	68.5	66.5
Avalon Boulevard _ 213th Street to Carson Street	2621	3387	-	71.1	67.1	65.1	72.3	68.3	66.3
213th Street _ West of Avalon Boulevard	670	839	-	65.4	60.5	58.3	66.6	61.7	59.5

Summary				
Roadway/Segment	CNEL			
	50 ft. from ROW		At ROW	
	Project Increment	Cumulative Increment	Project Increment	Cumulative Increment
Torrance Blvd _ East of Main Street	0.0	0.2	0.0	0.2
Carson Street _ West of Avalon Boulevard	0.4	0.8	0.4	0.7
Carson Street _ Avalon Bl to I-405 SB Ramps	0.4	0.7	0.3	0.7
Avalon Blvd _ North of I-405 NB Ramps	0.2	1.1	0.1	1.0
Avalon Boulevard _ I-405 SB Ramps to 213th Street	0.8	1.4	0.9	1.4
Avalon Boulevard _ 213th Street to Carson Street	0.7	1.3	0.8	1.3
213th Street _ West of Avalon Boulevard	0.0	0.2	0.0	0.2