

# OFF-SITE TRAFFIC NOISE LEVELS

Project: St. Regis

## Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): Existing and Future Traffic Volumes  
 Source of Traffic Volumes: Overland Traffic Consultants, Inc.

Community Noise Descriptor:  $L_{dn}$ : \_\_\_\_\_ CNEL: \_\_\_\_\_ X

Assumed 24-Hour Traf	Day	Evening	Night
Total ADT Volume	77.70%	12.70%	9.60%
Medium-Duty Truc	87.43%	5.05%	7.52%
Heavy-Duty Truck:	89.10%	2.84%	8.06%

Analysis Condition Roadway Name	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Posted Speed (mph)	Dist. from Center to Receptor	Barrier Attn. dB(A)	Vehicle Mix			Peak Hour dB(A)	24-Hour dB(A)
										Alpha Factor	Medium Trucks	Heavy Trucks		

## Existing Traffic Volumes

### Santa Monica Boulevard (n)

w. of Century Park West	Commercial	6	24	1,810	14,480	55	100	0.5	0	1.8%	0.7%	69.2	65.6
Century Park W. to Ave. of the Stars	Commercial	8	24	1,885	15,080	55	100	0.5	0	1.8%	0.7%	69.8	66.3
Ave. of the Stars to Century Park East	Commercial	8	24	2,119	16,952	55	100	0.5	0	1.8%	0.7%	70.4	66.8
e. of Century Park East	Commercial	8	24	2,509	20,072	55	100	0.5	0	1.8%	0.7%	71.1	67.5

### Santa Monica Boulevard (s)

w. of Century Park West	Commercial	6	24	1,810	14,480	55	100	0.5	0	1.8%	0.7%	69.2	65.6
Century Park W. to Ave. of the Stars	Commercial	6	24	4,042	32,336	55	100	0.5	0	1.8%	0.7%	72.7	69.1
Ave. of the Stars to Century Park East	Commercial	6	24	3,318	26,544	55	100	0.5	0	1.8%	0.7%	71.8	68.3
e. of Century Park West	Commercial	6	24	3,406	27,248	55	100	0.5	0	1.8%	0.7%	71.9	68.4

### Century Park West

s. of Santa Monica Boulevard	Commercial	4	24	912	7,296	45	100	0.5	0	1.8%	0.7%	63.6	60.2
n. of Constellation Boulevard	Residential	4	24	845	6,760	45	100	0.5	0	1.8%	0.7%	63.3	59.8
s. of Constellation Boulevard	Residential	4	12	1,210	9,680	45	100	0.5	0	1.8%	0.7%	64.7	61.3
n. of Olympic Boulevard	Residential	4	12	1,445	11,560	45	100	0.5	0	1.8%	0.7%	65.5	62.0

<b>Avenue of the Stars</b>												
s. of Santa Monica Boulevard	4	24	2,272	18,176	45	100	0.5	0	1.8%	0.7%	67.6	64.1
n. of Constellation Boulevard	4	24	2,570	20,560	45	100	0.5	0	1.8%	0.7%	68.1	64.7
s. of Constellation Boulevard	4	24	2,691	21,528	45	100	0.5	0	1.8%	0.7%	68.3	64.9
n. of Olympic Boulevard (w.bound ramp)	4	24	2,761	22,088	45	100	0.5	0	1.8%	0.7%	68.4	65.0
s. of Olympic Boulevard (w.bound ramp)	4	24	2,558	20,464	45	100	0.5	0	1.8%	0.7%	68.1	64.6
n. of Olympic Boulevard (e.bound ramp)	4	24	2,451	19,608	45	100	0.5	0	1.8%	0.7%	67.9	64.5
s. of Olympic Boulevard (e.bound ramp)	4	24	2,227	17,816	45	100	0.5	0	1.8%	0.7%	67.5	64.0
n. of Galaxy Way	4	24	2,359	18,872	45	100	0.5	0	1.8%	0.7%	67.7	64.3
s. of Galaxy Way	4	24	2,362	18,896	45	100	0.5	0	1.8%	0.7%	67.7	64.3
n. of Empyrean Way	4	18	2,109	16,872	45	100	0.5	0	1.8%	0.7%	67.2	63.7
s. of Empyrean Way	4	18	2,103	16,824	45	100	0.5	0	1.8%	0.7%	67.2	63.7
n. of West Pico Way	4	12	2,104	16,832	45	100	0.5	0	1.8%	0.7%	67.1	63.7
<b>Century Park East</b>												
s. of Santa Monica Boulevard	4	12	2,133	17,064	45	100	0.5	0	1.8%	0.7%	67.2	63.7
n. of Constellation Boulevard	4	12	2,497	19,976	45	100	0.5	0	1.8%	0.7%	67.9	64.4
s. of Constellation Boulevard	4	24	2,207	17,656	45	100	0.5	0	1.8%	0.7%	67.4	64.0
n. of Olympic Boulevard	4	24	4,764	38,112	45	100	0.5	0	1.8%	0.7%	70.8	67.3
s. of Olympic Boulevard	6	24	1,129	9,032	45	100	0.5	0	1.8%	0.7%	64.9	61.4
n. of West Pico Way	6	12	1,495	11,960	45	100	0.5	0	1.8%	0.7%	65.9	62.4
<b>Constellation Boulevard</b>												
e. of Century Park West	4	12	1,018	8,144	45	100	0.5	0	1.8%	0.7%	64.0	60.5
w. of Avenue of the Stars	6	24	1,525	12,200	45	100	0.5	0	1.8%	0.7%	66.2	62.7
e. of Avenue of the Stars	6	24	1,546	12,368	45	100	0.5	0	1.8%	0.7%	66.2	62.8
w. of Century Park East	4	12	1,488	11,904	45	100	0.5	0	1.8%	0.7%	65.6	62.2
<b>Olympic Boulevard</b>												
w. of Century Park West	6	12	6,862	54,896	45	100	0.5	0	1.8%	0.7%	72.5	69.1
e. of Century Park West	6	24	5,747	45,976	45	100	0.5	0	1.8%	0.7%	71.9	68.5
w. of Century Park East	6	24	5,835	46,680	45	100	0.5	0	1.8%	0.7%	72.0	68.5
e. of Century Park East	6	24	6,069	48,552	45	100	0.5	0	1.8%	0.7%	72.2	68.7
<b>West Pico Boulevard</b>												
w. of Overland Avenue	4	12	3,561	28,488	55	100	0.5	0	1.8%	0.7%	71.7	68.1
e. of Overland Avenue	4	24	4,312	34,496	55	100	0.5	0	1.8%	0.7%	72.6	69.1
w. of Beverly Glen Boulevard	6	12	3,699	29,592	55	100	0.5	0	1.8%	0.7%	72.1	68.5
e. of Beverly Glen Boulevard	6	24	3,792	30,336	55	100	0.5	0	1.8%	0.7%	72.4	68.8
w. of Motor Avenue	4	12	3,975	31,800	55	100	0.5	0	1.8%	0.7%	72.2	68.6
e. of Motor Avenue	4	12	4,652	37,216	55	100	0.5	0	1.8%	0.7%	72.8	69.3

w. of Avenue of the Stars	6	24	4,955	39,640	55	100	0.5	0	1.8%	0.7%	73.5	70.0
e. of Avenue of the Stars	6	24	4,011	32,088	55	100	0.5	0	1.8%	0.7%	72.6	69.1
w. of Century Park East	6	24	4,013	32,104	55	100	0.5	0	1.8%	0.7%	72.6	69.1
e. of Century Park East	6	24	4,094	32,752	55	100	0.5	0	1.8%	0.7%	72.7	69.2
<b>Galaxy Way</b>												
e. of Avenue of the Stars	2	0	301	2,408	45	100	0.5	0	1.8%	0.7%	58.5	55.0
<b>Empyrean Way</b>												
e. of Avenue of the Stars	4	12	76	608	45	100	0.5	0	1.8%	0.7%	52.7	49.3
<b>Overland Avenue</b>												
n. of West Pico Way	4	12	2,238	17,904	45	100	0.5	0	1.8%	0.7%	67.4	63.9
s. of West Pico Way	4	24	4,162	33,296	45	100	0.5	0	1.8%	0.7%	70.2	66.7
<b>Beverly Glen Boulevard</b>												
n. of West Pico Way	4	0	1,245	9,960	45	100	0.5	0	1.8%	0.7%	64.7	61.3
<b>Motor Avenue</b>												
s. of West Pico Way	6	24	2,277	18,216	45	100	0.5	0	1.8%	0.7%	67.9	64.5

#### Future (2009) Plus Project Traffic Volumes

<b>Santa Monica Boulevard (n)</b>												
w. of Century Park West	6	24	5,765	46,120	55	100	0.5	0	1.8%	0.7%	74.2	70.7
Century Park W. to Ave. of the Stars	8	24	5,666	45,328	55	100	0.5	0	1.8%	0.7%	74.6	71.1
Ave. of the Stars to Century Park East	8	24	5,180	41,440	55	100	0.5	0	1.8%	0.7%	74.2	70.7
e. of Century Park East	8	24	5,532	44,256	55	100	0.5	0	1.8%	0.7%	74.5	71.0
<b>Santa Monica Boulevard (s)</b>												
w. of Century Park West	6	24	1,810	14,480	55	100	0.5	0	1.8%	0.7%	69.2	65.6
Century Park W. to Ave. of the Stars	6	24	4,042	32,336	55	100	0.5	0	1.8%	0.7%	72.7	69.1
Ave. of the Stars to Century Park East	6	24	3,318	26,544	55	100	0.5	0	1.8%	0.7%	71.8	68.3
e. of Century Park West	6	24	3,406	27,248	55	100	0.5	0	1.8%	0.7%	71.9	68.4
<b>Century Park West</b>												
s. of Santa Monica Boulevard	4	24	1,253	10,024	45	100	0.5	0	1.8%	0.7%	65.0	61.5
n. of Constellation Boulevard	4	24	1,050	8,400	45	100	0.5	0	1.8%	0.7%	64.2	60.8
s. of Constellation Boulevard	4	12	1,468	11,744	45	100	0.5	0	1.8%	0.7%	65.6	62.1
n. of Olympic Boulevard	4	12	1,555	12,440	45	100	0.5	0	1.8%	0.7%	65.8	62.4
<b>Avenue of the Stars</b>												
s. of Santa Monica Boulevard	4	24	2,536	20,288	45	100	0.5	0	1.8%	0.7%	68.0	64.6
n. of Constellation Boulevard	4	24	2,836	22,688	45	100	0.5	0	1.8%	0.7%	68.5	65.1
s. of Constellation Boulevard	4	24	3,342	26,736	45	100	0.5	0	1.8%	0.7%	69.2	65.8
n. of Olympic Boulevard (w. bound ramp)	4	24	3,336	26,688	45	100	0.5	0	1.8%	0.7%	69.2	65.8

s. of Olympic Boulevard (w.bound ramp)	4	24	3,130	25,040	45	100	0.5	0	1.8%	0.7%	69.0	65.5
n. of Olympic Boulevard (e.bound ramp)	4	24	2,954	23,632	45	100	0.5	0	1.8%	0.7%	68.7	65.3
s. of Olympic Boulevard (e.bound ramp)	4	24	2,675	21,400	45	100	0.5	0	1.8%	0.7%	68.3	64.8
n. of Galaxy Way	4	24	2,808	22,464	45	100	0.5	0	1.8%	0.7%	68.5	65.0
s. of Galaxy Way	4	24	2,811	22,488	45	100	0.5	0	1.8%	0.7%	68.5	65.0
n. of Empyrean Way	4	18	2,542	20,336	45	100	0.5	0	1.8%	0.7%	68.0	64.5
s. of Empyrean Way	4	18	2,536	20,288	45	100	0.5	0	1.8%	0.7%	68.0	64.5
n. of West Pico Way	4	12	2,578	20,624	45	100	0.5	0	1.8%	0.7%	68.0	64.6
<b>Century Park East</b>												
s. of Santa Monica Boulevard	4	12	2,460	19,680	45	100	0.5	0	1.8%	0.7%	67.8	64.4
n. of Constellation Boulevard	4	12	2,950	23,600	45	100	0.5	0	1.8%	0.7%	68.6	65.1
s. of Constellation Boulevard	4	24	2,689	21,512	45	100	0.5	0	1.8%	0.7%	68.3	64.9
n. of Olympic Boulevard	4	24	2,654	21,232	45	100	0.5	0	1.8%	0.7%	68.2	64.8
s. of Olympic Boulevard	6	24	1,235	9,880	45	100	0.5	0	1.8%	0.7%	65.2	61.8
n. of West Pico Way	6	12	1,671	13,368	45	100	0.5	0	1.8%	0.7%	66.4	62.9
<b>Constellation Boulevard</b>												
e. of Century Park West	4	12	1,054	8,432	45	100	0.5	0	1.8%	0.7%	64.1	60.7
w. of Avenue of the Stars	6	24	1,960	15,680	45	100	0.5	0	1.8%	0.7%	67.2	63.8
e. of Avenue of the Stars	6	24	1,842	14,736	45	100	0.5	0	1.8%	0.7%	67.0	63.5
w. of Century Park East	4	12	1,665	13,320	45	100	0.5	0	1.8%	0.7%	66.1	62.7
<b>Olympic Boulevard</b>												
w. of Century Park West	6	12	7,716	61,728	45	100	0.5	0	1.8%	0.7%	73.0	69.6
e. of Century Park West	6	24	6,511	52,088	45	100	0.5	0	1.8%	0.7%	72.5	69.0
w. of Century Park East	6	24	6,450	51,600	45	100	0.5	0	1.8%	0.7%	72.4	69.0
e. of Century Park East	6	24	6,757	54,056	45	100	0.5	0	1.8%	0.7%	72.6	69.2
<b>West Pico Boulevard</b>												
w. of Overland Avenue	4	12	4,102	32,816	55	100	0.5	0	1.8%	0.7%	72.3	68.7
e. of Overland Avenue	4	24	4,993	39,944	55	100	0.5	0	1.8%	0.7%	73.3	69.7
w. of Beverly Glen Boulevard	6	12	4,373	34,984	55	100	0.5	0	1.8%	0.7%	72.8	69.3
e. of Beverly Glen Boulevard	6	24	4,478	35,824	55	100	0.5	0	1.8%	0.7%	73.1	69.6
w. of Motor Avenue	4	12	4,652	37,216	55	100	0.5	0	1.8%	0.7%	72.8	69.3
e. of Motor Avenue	4	12	5,566	44,528	55	100	0.5	0	1.8%	0.7%	73.6	70.1
w. of Avenue of the Stars	6	24	5,868	46,944	55	100	0.5	0	1.8%	0.7%	74.3	70.7
e. of Avenue of the Stars	6	24	4,754	38,032	55	100	0.5	0	1.8%	0.7%	73.4	69.8
w. of Century Park East	6	24	4,899	39,192	55	100	0.5	0	1.8%	0.7%	73.5	69.9
e. of Century Park East	6	24	4,938	39,504	55	100	0.5	0	1.8%	0.7%	73.5	70.0
<b>Galaxy Way</b>												

e. of Avenue of the Stars <b>Empyrean Way</b>	2	0	287	2,296	45	100	0.5	0	1.8%	0.7%	58.3	54.8
e. of Avenue of the Stars <b>Overland Avenue</b>	4	12	80	640	45	100	0.5	0	1.8%	0.7%	52.9	49.5
n. of West Pico Way	4	12	2,327	18,616	45	100	0.5	0	1.8%	0.7%	67.6	64.1
s. of West Pico Way	4	24	4,414	35,312	45	100	0.5	0	1.8%	0.7%	70.4	67.0
<b>Beverly Glen Boulevard</b>												
n. of West Pico Way	4	0	1,369	10,952	45	100	0.5	0	1.8%	0.7%	65.2	61.7
<b>Motor Avenue</b>												
s. of West Pico Way	6	24	2,536	20,288	45	100	0.5	0	1.8%	0.7%	68.4	64.9

**Future (2009) without Project Traffic Volumes**

**Santa Monica Boulevard (n)**

w. of Century Park West	6	24	5,766	46,128	55	100	0.5	0	1.8%	0.7%	74.2	70.7
Century Park W. to Ave. of the Stars	8	24	5,667	45,336	55	100	0.5	0	1.8%	0.7%	74.6	71.1
Ave. of the Stars to Century Park East	8	24	5,181	41,448	55	100	0.5	0	1.8%	0.7%	74.2	70.7
e. of Century Park East	8	24	5,533	44,264	55	100	0.5	0	1.8%	0.7%	74.5	71.0
<b>Santa Monica Boulevard (s)</b>												
w. of Century Park West	6	24	1,810	14,480	55	100	0.5	0	1.8%	0.7%	69.2	65.6
Century Park W. to Ave. of the Stars	6	24	4,042	32,336	55	100	0.5	0	1.8%	0.7%	72.7	69.1
Ave. of the Stars to Century Park East	6	24	3,318	26,544	55	100	0.5	0	1.8%	0.7%	71.8	68.3
e. of Century Park West	6	24	3,406	27,248	55	100	0.5	0	1.8%	0.7%	71.9	68.4
<b>Century Park West</b>												
s. of Santa Monica Boulevard	4	24	1,253	10,024	45	100	0.5	0	1.8%	0.7%	65.0	61.5
n. of Constellation Boulevard	4	24	1,050	8,400	45	100	0.5	0	1.8%	0.7%	64.2	60.8
s. of Constellation Boulevard	4	12	1,468	11,744	45	100	0.5	0	1.8%	0.7%	65.6	62.1
n. of Olympic Boulevard	4	12	1,556	12,448	45	100	0.5	0	1.8%	0.7%	65.8	62.4
<b>Avenue of the Stars</b>												
s. of Santa Monica Boulevard	4	24	2,538	20,304	45	100	0.5	0	1.8%	0.7%	68.0	64.6
n. of Constellation Boulevard	4	24	2,838	22,704	45	100	0.5	0	1.8%	0.7%	68.5	65.1
s. of Constellation Boulevard	4	24	3,344	26,752	45	100	0.5	0	1.8%	0.7%	69.2	65.8
n. of Olympic Boulevard (w.bound ramp)	4	24	2,950	23,600	45	100	0.5	0	1.8%	0.7%	68.7	65.3
s. of Olympic Boulevard (w.bound ramp)	4	24	3,077	24,616	45	100	0.5	0	1.8%	0.7%	68.9	65.4
n. of Olympic Boulevard (e.bound ramp)	4	24	2,959	23,672	45	100	0.5	0	1.8%	0.7%	68.7	65.3
s. of Olympic Boulevard (e.bound ramp)	4	24	2,677	21,416	45	100	0.5	0	1.8%	0.7%	68.3	64.8
n. of Galaxy Way	4	24	2,810	22,480	45	100	0.5	0	1.8%	0.7%	68.5	65.0
s. of Galaxy Way	4	24	2,813	22,504	45	100	0.5	0	1.8%	0.7%	68.5	65.0

n. of Empyrean Way	4	18	2,544	20,352	45	100	0.5	0	1.8%	0.7%	68.0	64.6
s. of Empyrean Way	4	18	2,538	20,304	45	100	0.5	0	1.8%	0.7%	68.0	64.5
n. of West Pico Way	4	12	2,580	20,640	45	100	0.5	0	1.8%	0.7%	68.0	64.6
<b>Century Park East</b>												
s. of Santa Monica Boulevard	4	12	2,460	19,680	45	100	0.5	0	1.8%	0.7%	67.8	64.4
n. of Constellation Boulevard	4	12	2,950	23,600	45	100	0.5	0	1.8%	0.7%	68.6	65.1
s. of Constellation Boulevard	4	24	2,689	21,512	45	100	0.5	0	1.8%	0.7%	68.3	64.9
n. of Olympic Boulevard	4	24	2,654	21,232	45	100	0.5	0	1.8%	0.7%	68.2	64.8
s. of Olympic Boulevard	6	24	1,234	9,872	45	100	0.5	0	1.8%	0.7%	65.2	61.8
n. of West Pico Way	6	12	1,671	13,368	45	100	0.5	0	1.8%	0.7%	66.4	62.9
<b>Constellation Boulevard</b>												
e. of Century Park West	4	12	1,054	8,432	45	100	0.5	0	1.8%	0.7%	64.1	60.7
w. of Avenue of the Stars	6	24	1,960	15,680	45	100	0.5	0	1.8%	0.7%	67.2	63.8
e. of Avenue of the Stars	6	24	1,842	14,736	45	100	0.5	0	1.8%	0.7%	67.0	63.5
w. of Century Park East	4	12	1,665	13,320	45	100	0.5	0	1.8%	0.7%	66.1	62.7
<b>Olympic Boulevard</b>												
w. of Century Park West	6	12	7,719	61,752	45	100	0.5	0	1.8%	0.7%	73.0	69.6
e. of Century Park West	6	24	6,513	52,104	45	100	0.5	0	1.8%	0.7%	72.5	69.0
w. of Century Park East	6	24	6,450	51,600	45	100	0.5	0	1.8%	0.7%	72.4	69.0
e. of Century Park East	6	24	6,757	54,056	45	100	0.5	0	1.8%	0.7%	72.6	69.2
<b>West Pico Boulevard</b>												
w. of Overland Avenue	4	12	4,103	32,824	55	100	0.5	0	1.8%	0.7%	72.3	68.7
e. of Overland Avenue	4	24	4,994	39,952	55	100	0.5	0	1.8%	0.7%	73.3	69.7
w. of Beverly Glen Boulevard	6	12	4,374	34,992	55	100	0.5	0	1.8%	0.7%	72.8	69.3
e. of Beverly Glen Boulevard	6	24	4,479	35,832	55	100	0.5	0	1.8%	0.7%	73.1	69.6
w. of Motor Avenue	4	12	4,653	37,224	55	100	0.5	0	1.8%	0.7%	72.8	69.3
e. of Motor Avenue	4	12	5,567	44,536	55	100	0.5	0	1.8%	0.7%	73.6	70.1
w. of Avenue of the Stars	6	24	5,869	46,952	55	100	0.5	0	1.8%	0.7%	74.3	70.7
e. of Avenue of the Stars	6	24	4,755	38,040	55	100	0.5	0	1.8%	0.7%	73.4	69.8
w. of Century Park East	6	24	4,900	39,200	55	100	0.5	0	1.8%	0.7%	73.5	69.9
e. of Century Park East	6	24	4,939	39,512	55	100	0.5	0	1.8%	0.7%	73.5	70.0
<b>Galaxy Way</b>												
e. of Avenue of the Stars	2	0	287	2,296	45	100	0.5	0	1.8%	0.7%	58.3	54.8
<b>Empyrean Way</b>												
e. of Avenue of the Stars	4	12	80	640	45	100	0.5	0	1.8%	0.7%	52.9	49.5
<b>Overland Avenue</b>												
n. of West Pico Way	4	12	2,327	18,616	45	100	0.5	0	1.8%	0.7%	67.6	64.1

s. of West Pico Way <b>Beverly Glen Boulevard</b>	4	24	4,414	35,312	45	100	0.5	0	1.8%	0.7%	70.4	67.0
n. of West Pico Way <b>Motor Avenue</b>	4	0	1,369	10,952	45	100	0.5	0	1.8%	0.7%	65.2	61.7
s. of West Pico Way	6	24	2,538	20,304	45	100	0.5	0	1.8%	0.7%	68.4	64.9