

APPENDIX J

Supplemental Noise Analysis for Section 7.10

Project: 86 Fair Oaks Avenue

Receiver Parameters	
Receiver:	Green Hotel Apartments
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	56 dBA

Noise Source Parameters	
Number of Noise Sources: 1	

Noise Source Parameters	
Source 1	
Source Type:	Stationary Source
Specific Source:	Parking Garage
Daytime hrs	Avg. Number of Autos/hr: 63
Nighttime hrs	Avg. Number of Autos/hr: 20
Distance	Distance from Source to Receiver (ft): 150
Adjustments	Number of Intervening Rows of Buildings: 0
	Noise Barrier?: No
	Joint Track/Crossover?: No
	Embedded Track?: No
	Aerial Structure?: No

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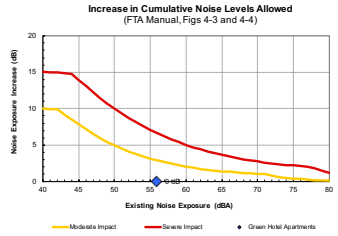
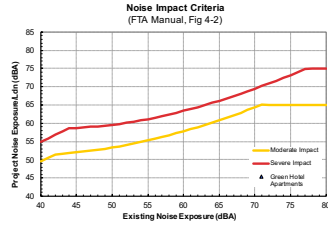
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Project Results Summary	
Existing Ldn:	56 dBA
Total Project Ldn:	56 dBA
Total Noise Exposure:	56 dBA
Increase:	0 dB
Impact:	None

Distance to Impact Contours	
Dist to Mod. Impact Contour:	(Source 1): 23 ft
Dist to Sev. Impact Contour:	(Source 1): 113 ft

Source 1 Results	
Leq(day):	31.7 dBA
Leq(night):	27.5 dBA
Ldn:	34.8 dBA



Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use

Source: ITE Trip Generation Manual , 10th Edition

Land Use Code Setting	221 Multifamily Housing (Mid-Rise)					
	General Urban/Suburban		Dense Multi-Use Urban		Center City Core	
Time Period	Weekday		Weekday		Weekday	
Trip Type	Vehicle		Vehicle		Vehicle	
# Data Sites	8		4		3	
	% of 24-Hour Traffic		% of 24-Hour Traffic		% of 24-Hour Traffic	
Time	Entering	Exiting	Entering	Exiting	Entering	Exiting
12-1 AM	0.7	0.3	0.8	0.2	2.6	0
1-2 AM	0.3	0.2	1.3	0.1	0.4	0
2-3 AM	0.2	0.2	0.8	0.3	0.9	0.9
3-4 AM	0.4	0.3	0.6	0.3	0.4	0
4-5 AM	0.3	0.8	0.6	0.0	0.4	1.8
5-6 AM	0.6	2.7	2.3	1.6	0.4	3.1
6-7 AM	1.5	6.5	4.1	4.1	1.8	8.0
7-8 AM	2.8	12.1	4.2	17.7	5.3	12.0
8-9 AM	3.5	8.8	5.1	9.2	4.8	10.2
9-10 AM	2.9	5.7	2.5	5.6	5.7	4.9
10-11 AM	2.7	4.7	4.4	3.8	2.2	4.9
11-12 PM	4.5	4.5	3.1	5.7	3.9	2.7
12-1 PM	4.8	4.6	4.7	5.2	4.4	2.7
1-2 PM	4.1	4.8	5.3	3.7	3.9	6.7
2-3 PM	5.8	5.0	5.9	3.3	3.9	4.9
3-4 PM	6.7	4.9	6.2	4.4	6.1	4.0
4-5 PM	10.6	6.2	10.0	4.7	4.8	5.8
5-6 PM	12.6	7.7	8.7	4.1	8.3	7.6
6-7 PM	9.3	6.6	6.7	8.6	8.8	4.0
7-8 PM	7.8	4.8	6.7	4.4	7.9	4.4
8-9 PM	7.0	3.3	5.1	4.3	7.0	2.2
9-10 PM	5.5	2.2	4.6	3.1	5.3	4.9
10-11 PM	3.6	1.9	4.4	2.8	7.0	3.1
11-12 AM	2.0	1.1	1.9	2.8	3.5	1.3

	Hourly Trips			Average Daytime	Average Nighttime
12-1 AM	1.0	0.5	4		4
1-2 AM	0.5	0.25	2		2
2-3 AM	0.4	0.2	2		2
3-4 AM	0.7	0.35	3		3
4-5 AM	1.1	0.55	5		5
5-6 AM	3.3	1.65	14		14
6-7 AM	8.0	4	35		35
7-8 AM	14.9	7.45	65	65	
8-9 AM	12.3	6.15	53	53	
9-10 AM	8.6	4.3	37	37	
10-11 AM	7.4	3.7	32	32	
11-12 PM	9.0	4.5	39	39	
12-1 PM	9.4	4.7	41	41	
1-2 PM	8.9	4.45	39	39	
2-3 PM	10.8	5.4	47	47	
3-4 PM	11.6	5.8	50	50	
4-5 PM	16.8	8.4	73	73	
5-6 PM	20.3	10.15	88	88	
6-7 PM	15.9	7.95	69	69	
7-8 PM	12.6	6.3	55		55
8-9 PM	10.3	5.15	45		45
9-10 PM	7.7	3.85	33		33
10-11 PM	5.5	2.75	24		24
11-12 AM	3.1	1.55	13		13
ADT			866	53	20