

Appendix D

Operational Noise

Atlantic Yards SEIS
Operational Noise Analysis results

Site	Location	Time	Existing				No Build				Build				
			Measured Leq	Measured L10	TNM Leq	Adjustment Factor	TNM Leq	Actual Leq	NB - Ex Leq	Actual L10	TNM Leq	Actual Leq	Bd - NB Leq	Actual L10	
1	Pacific Street between 4th and Flatbush Avenues	weekday	AM	64.1	66.0	65.2	1.1	67.3	66.2	2.1	68.1	67.3	66.2	0.0	68.1
			MD	60.0	62.2	65.7	5.7	67.6	61.9	1.9	64.1	67.7	62.0	0.1	64.2
			PM	60.7	62.7	65.6	4.9	68.4	63.5	2.8	65.5	68.4	63.5	0.0	65.5
			PG	61.8	64.0	65.3	3.5	66.8	63.3	1.5	65.5	66.8	63.3	0.0	65.5
		weekend	MD	61.4	62.9	64.9	3.5	67.5	64.0	2.6	65.5	67.6	64.1	0.1	65.6
2	Corner of Dean Street and Flatbush Avenue	weekday	AM	75.3	78.6	73.1	-2.2	74.3	76.5	1.2	79.8	74.5	76.7	0.2	80.0
			MD	75.7	77.6	72.9	-2.8	73.7	76.5	0.8	78.4	74.0	76.8	0.3	78.7
			PM	71.8	74.4	72.6	0.8	73.5	72.7	0.9	75.3	73.7	72.9	0.2	75.5
			PG	72.1	74.2	71.6	-0.5	72.4	72.9	0.8	75.0	72.4	72.9	0.0	75.0
		weekend	MD	73.3	76.9	72.1	-1.2	73.1	74.3	1.0	77.9	73.1	74.3	0.0	77.9
3	Dean Street between Flatbush and 6th Avenues	weekday	AM	67.0	70.3	64.6	-2.4	64.8	67.2	0.2	70.5	65.6	68.0	0.8	71.3
			MD	68.8	71.1	63.7	-5.1	63.9	69.0	0.2	71.3	64.6	69.7	0.7	72.0
			PM	65.1	69.0	64.2	-0.9	64.3	65.2	0.1	69.1	64.6	65.5	0.3	69.4
			PG	65.4	66.4	62.8	-2.6	62.7	65.3	-0.1	66.3	62.9	65.5	0.2	66.5
		weekend	MD	67.4	69.8	63.1	-4.3	64.0	68.3	0.9	70.7	64.4	68.7	0.4	71.1
4	Pacific Street between 6th and Carlton Avenues	weekday	AM	62.2	65.2	64.9	2.7	66.3	63.6	1.4	66.6	62.1	59.4	-4.2	62.4
			MD	61.6	63.0	63.3	1.7	64.4	62.7	1.1	64.1	61.4	59.7	-3.0	61.1
			PM	56.5	57.7	63.3	6.8	65.2	58.4	1.9	59.6	61.7	54.9	-3.5	56.1
			PG	57.8	61.1	63.0	5.2	64.2	59.0	1.2	62.3	59.7	54.5	-4.5	57.8
		weekend	MD	56.7	59.7	62.2	5.5	63.7	58.2	1.5	61.2	59.2	53.7	-4.5	56.7
5	Dean Street between Carlton and Vanderbilt Avenues	weekday	AM	65.9	68.4	65.0	-0.9	65.3	66.2	0.3	68.7	65.6	66.5	0.3	69.0
			MD	62.6	65.7	63.4	0.8	64.0	63.2	0.6	66.3	64.0	63.2	0.0	66.3
			PM	65.5	65.4	63.8	-1.7	64.3	66.0	0.5	65.9	65.0	66.7	0.7	66.6
			PG	62.7	66.3	62.7	0.0	63.0	63.0	0.3	66.6	62.6	62.6	-0.4	66.2
		weekend	MD	62.1	65.6	62.4	0.3	62.7	62.4	0.3	65.9	62.4	62.1	-0.3	65.6
6	Vanderbilt Avenue between Atlantic Avenue and Dean Street	weekday	AM	67.8	70.0	70.4	2.6	70.7	68.1	0.3	70.3	70.1	67.5	-0.6	69.7
			MD	67.1	70.9	69.6	2.5	69.8	67.3	0.2	71.1	70.0	67.5	0.2	71.3
			PM	66.0	69.6	69.8	3.8	69.9	66.1	0.1	69.7	72.4	68.6	2.5	72.2
			PG	67.6	70.3	69.6	2.0	69.6	67.6	0.0	70.3	69.7	67.7	0.1	70.4
		weekend	MD	65.0	67.8	69.2	4.2	69.2	65.0	0.0	67.8	69.5	65.3	0.3	68.1
7	Atlantic Avenue between Carlton and Clermont Avenues	weekday	AM	68.5	71.8	71.7	3.2	72.3	69.1	0.6	72.4	72.5	69.3	0.2	72.6
			MD	68.8	71.2	71.6	2.8	72.5	69.7	0.9	72.1	72.7	69.9	0.2	72.3
			PM	70.7	74.2	70.7	0.0	71.3	71.3	0.6	74.8	71.5	71.5	0.2	75.0
			PG	70.7	72.7	69.9	-0.8	70.4	71.2	0.5	73.2	70.5	71.3	0.1	73.3
		weekend	MD	68.9	70.8	70.2	1.3	71.3	70.0	1.1	71.9	71.5	70.2	0.2	72.1
8	4th Avenue between Atlantic Avenue and Pacific Street	weekday	AM	68.7	71.6	72.1	3.4	72.8	69.4	0.7	72.3	72.8	69.4	0.0	72.3
			MD	69.6	72.1	72.0	2.4	72.6	70.2	0.6	72.7	72.7	70.3	0.1	72.8
			PM	67.5	70.4	71.3	3.8	72.0	68.2	0.7	71.1	72.1	68.3	0.1	71.2
			PG	70.1	72.8	70.1	0.0	70.7	70.7	0.6	73.4	70.7	70.7	0.0	73.4
		weekend	MD	68.0	71.0	70.4	2.4	71.5	69.1	1.1	72.1	71.6	69.2	0.1	72.2
9	Dean Street between 4th and 5th Avenues	weekday	AM	62.1	65.4	64.4	2.3	64.7	62.4	0.3	65.7	65.0	62.7	0.3	66.0
			MD	62.1	63.8	64.8	2.7	65.0	62.3	0.2	64.0	65.3	62.6	0.3	64.3
			PM	63.4	65.1	64.6	1.2	64.8	63.6	0.2	65.3	65.2	64.0	0.4	65.7
			PG	59.2	61.2	64.4	5.2	64.4	59.2	0.0	61.2	64.6	59.4	0.2	61.4
		weekend	MD	59.6	62.5	63.5	3.9	65.2	61.3	1.7	64.2	65.5	61.6	0.3	64.5
10	6th Avenue between Pacific and Dean Streets	weekday	AM	68.4	70.8	68.6	0.2	68.6	68.4	0.0	70.8	68.6	68.4	0.0	70.8
			MD	70.2	72.7	68.5	-1.7	68.5	70.2	0.0	72.7	68.5	70.2	0.0	72.7
			PM	63.7	65.5	69.3	5.6	69.4	63.8	0.1	65.6	69.4	63.8	0.0	65.6
			PG	65.1	67.3	68.3	3.2	68.3	65.1	0.0	67.3	68.2	65.0	-0.1	67.2
		weekend	MD	61.8	64.7	68.5	6.7	68.9	62.2	0.4	65.1	68.9	62.2	0.0	65.1
11	Bergen Street between 6th and Carlton Avenues	weekday	AM	62.7	65.8	67.5	4.8	68.3	63.5	0.8	66.6	68.8	64.0	0.5	67.1
			MD	62.0	65.8	65.9	3.9	67.0	63.1	1.1	66.9	67.3	63.4	0.3	67.2
			PM	64.5	66.1	66.4	1.9	67.2	65.3	0.8	66.9	67.4	65.5	0.2	67.1
			PG	62.3	65.4	66.0	3.7	66.5	62.8	0.5	65.9	66.6	62.9	0.1	66.0
		weekend	MD	61.9	65.0	65.2	3.3	66.5	63.2	1.3	66.3	66.9	63.6	0.4	66.7
12	Carlton Avenue between Pacific and Dean Streets	weekday	AM	63.6	66.6	63.3	-0.3	63.7	64.0	0.4	67.0	64.1	64.4	0.4	67.4
			MD	60.4	63.8	61.5	1.1	61.9	60.8	0.4	64.2	61.5	60.4	-0.4	63.8
			PM	59.8	62.8	62.1	2.3	62.5	60.2	0.4	63.2	62.2	59.9	-0.3	62.9
			PG	61.4	63.9	60.2	-1.2	60.5	61.7	0.3	64.2	59.7	60.9	-0.8	63.4
		weekend	MD	61.0	64.2	60.9	-0.1	61.5	61.6	0.6	64.8	61.5	61.6	0.0	64.8
13	Dean Street between 6th and Carlton Avenues	weekday	AM	61.1	63.6	65.6	4.5	65.4	60.9	-0.2	63.4	66.3	61.8	0.9	64.3
			MD	64.9	67.9	64.3	-0.6	64.2	64.8	-0.1	67.8	64.9	65.5	0.7	68.5
			PM	65.1	67.4	65.9	0.8	66.0	65.2	0.1	67.5	66.3	65.5	0.3	67.8
			PG	63.7	66.5	64.9	1.2	64.8	63.6	-0.1	66.4	65.1	63.9	0.3	66.7
		weekend	MD	61.9	65.0	64.2	2.3	65.5	63.2	1.3	66.3	66.0	63.7	0.5	66.8
14	Atlantic Avenue between S. Oxford and Cumberland Streets	weekday	AM	69.3	72.5	72.4	3.1	72.4	69.3	0.0	72.5	72.8	69.7	0.4	72.9
			MD	70.4	73.2	73.1	2.7	73.5	70.8	0.4	73.6	73.6	70.9	0.1	73.7
			PM	68.8	72.1	71.1	2.3	71.7	69.4	0.6	72.7	72.0	69.7	0.3	73.0
			PG	68.7	69.8	70.2	1.5	70.8	69.3	0.6	70.4	70.9	69.4	0.1	70.5
		weekend	MD	69.0	73.3	71.2	2.2	71.9	69.7	0.7	74.0	72.1	69.9	0.2	74.2