

Appendix H: Noise Analysis Summary Tables

Coney Island
20215-0023

Site	Measurement Location	Time	L _{eq}	L ₁	L ₁₀	L ₅₀	L ₉₀	
1	Surf Ave btw W 5th Street and W 8th Street	Weekday	AM	68.2	76.3	71.4	66.1	58.3
			MD	65.7	74.1	68.9	63.2	57.6
			PM	64.6	72.1	67.9	62.3	56.6
		Weekend	MD	65.4	74.2	67.7	61.5	55.5
PM	64.0		71.6	67.7	61.7	54.9		
2	Neptune Ave btw W 8th Street and W 12th Street	Weekday	AM	68.1	77.3	70.8	65.9	59.5
			MD	71.7	80.9	74.4	68.0	60.5
			PM	66.8	75.1	69.7	65.1	59.2
		Weekend	MD	68.3	76.2	71.5	66.4	59.3
PM	68.8		77.0	72.1	66.9	59.0		
3	Stillwell Ave btw Surf Ave and Neptune Ave	Weekday	AM	71.6	78.1	75.8	68.2	61.1
			MD	70.6	79.7	74.3	66.4	60.6
			PM	70.0	77.6	73.7	67.1	61.4
		Weekend	MD	71.7	81.3	75.2	66.9	61.4
PM	71.0		77.8	75.3	67.6	61.1		
4	W 15th Street btw Mermaid Ave and Surf Ave	Weekday	AM	60.5	69.6	64.1	57.1	53.7
			MD	59.1	68.1	60.3	54.9	51.2
			PM	59.8	70.3	61.5	54.2	50.6
		Weekend	MD	56.9	65.8	59.8	53.8	50.6
PM	59.4		69.6	61.2	56.5	53.7		
5	Mermaid Ave btw W 16th Street and W 17th Street	Weekday	AM	70.2	80.2	72.3	66.2	61.3
			MD	65.6	76.3	67.7	62.2	57.6
			PM	64.7	75.8	66.2	61.1	57.6
		Weekend	MD	62.8	71.8	65.0	60.7	57.2
PM	62.4		72.2	64.4	59.6	56.2		
6	W17th Street btw Neptune Ave and Mermaid Ave	Weekday	AM	70.2	80.0	73.6	66.2	58.3
			MD	69.4	79.7	72.9	65.6	54.7
			PM	69.3	79.0	73.3	63.9	56.3
		Weekend	MD	70.6	81.6	72.9	66.2	55.2
PM	67.3		75.2	71.5	64.0	56.7		
7	W 19th Street btw Surf Ave and Mermaid Ave	Weekday	AM	59.0	69.5	61.0	55.4	51.9
			MD	57.3	66.2	59.8	55.3	52.8
			PM	57.9	67.9	60.6	54.8	50.7
		Weekend	MD	56.4	65.3	59.3	53.7	50.8
PM	56.1		65.1	59.2	53.5	50.5		
8	Surf Ave btw W 20th Street and W 21st Street	Weekday	AM	72.1	82.3	75.4	68.2	60.6
			MD	69.1	79.1	71.4	63.5	53.6
			PM	67.5	76.0	71.1	64.0	55.3
		Weekend	MD	67.7	78.9	71.0	61.9	51.9
PM	66.2		76.9	69.0	62.1	56.4		
9	W 21st Street btw Surf Ave and Boardwalk	Weekday	AM	57.6	66.5	60.4	55.2	52.1
			MD	60.3	73.4	60.5	57.3	52.1
			PM	56.7	64.0	59.7	55.2	51.8
		Weekend	MD	54.4	63.0	56.8	51.7	48.5
PM	53.6		59.6	55.7	52.7	50.3		
10	Boardwalk btw W 21st Street and W 20th Street	Weekday	AM	55.4	67.2	56.0	53.0	50.6
			MD	52.9	63.2	54.3	50.2	47.6
			PM	54.1	60.5	56.5	53.1	50.4
		Weekend	MD	49.5	55.2	51.5	48.8	46.9
PM	52.4		56.6	53.8	52.1	50.7		
11	Stillwell Ave btw Surf Ave and Boardwalk	Weekday	AM	56.7	68.2	57.4	52.6	48.4
			MD	55.5	61.6	57.8	54.7	51.1
			PM	56.0	61.5	58.6	55.1	51.9
		Weekend	MD	54.9	64.6	56.5	52.9	49.9
			PM	54.4	63.7	56.9	52.6	49.8

Traffic TNM Results

Receiver	Time		Measured Existing L _{eq}	RWCDS Traffic Existing L _{eq}	2019 No Build L _{eq}	2019 Build L _{eq}
1	Weekday	AM	66.9	67.0	68.0	68.3
		MD	67.0	66.2	67.2	67.9
		PM	65.1	64.7	66.2	67.0
	Saturday	MD	64.2	66.2	67.3	67.9
		PM	63.2	65.7	66.9	67.6
2	Weekday	AM	71.2	70.5	71.4	71.9
		MD	70.4	70.2	71.4	72.2
		PM	70.5	68.5	69.1	70.4
	Saturday	MD	69.5	69.1	70.0	71.0
		PM	69.5	67.9	68.7	69.8
3	Weekday	AM	68.2	68.8	69.4	69.9
		MD	68.4	68.6	69.6	70.5
		PM	66.1	68.0	68.9	69.7
	Saturday	MD	66.7	68.5	69.2	69.9
		PM	65.3	68.1	68.9	69.6
4	Weekday	AM	60.1	61.8	63.0	63.6
		MD	60.9	61.0	62.0	63.1
		PM	60.3	60.3	61.2	62.1
	Saturday	MD	57.2	59.8	60.6	61.7
		PM	57.0	60.8	61.6	62.3
5	Weekday	AM	71.1	70.1	70.7	70.8
		MD	70.6	69.7	70.3	70.6
		PM	68.3	69.4	70.2	70.4
	Saturday	MD	68.2	69.6	70.3	70.5
		PM	68.0	69.7	70.4	70.6
6	Weekday	AM	63.3	63.9	64.7	68.2
		MD	64.2	62.4	63.3	67.8
		PM	61.8	61.6	62.8	65.0
	Saturday	MD	63.7	63.1	64.2	66.0
		PM	62.6	62.1	63.2	64.0
7	Weekday	AM	61.3	61.6	62.7	63.5
		MD	60.4	60.7	62.2	63.5
		PM	60.4	61.7	62.9	63.5
	Saturday	MD	59.2	60.3	61.5	62.4
		PM	58.1	60.1	61.1	61.8
8	Weekday	AM	71.8	72.4	73.2	73.6
		MD	70.2	71.5	72.4	73.0
		PM	70.3	70.9	71.9	72.4
	Saturday	MD	68.1	70.0	71.0	71.6
		PM	68.1	69.9	70.7	71.3
9	Weekday	AM	57.1	59.9	60.5	62.4
		MD	56.0	58.8	60.4	62.0
		PM	55.3	58.3	58.8	59.9
	Saturday	MD	53.4	60.1	60.5	61.2
		PM	53.0	57.1	57.9	58.9
10	Weekday	AM	46.2	47.0	47.6	47.8
		MD	45.5	46.2	47.1	47.1
		PM	44.8	45.3	45.5	45.9
	Saturday	MD	42.9	45.6	46.7	47.1
		PM	42.5	44.2	44.9	45.3
11	Weekday	AM	57.2	57.3	58.2	59.1
		MD	58.2	57.8	58.7	59.8
		PM	55.6	56.6	57.7	58.6
	Saturday	MD	54.8	57.5	58.3	59.1
		PM	54.2	57.1	58.0	58.7

EXISTING

Receptor	Cyclone Operations											
	Leq at 30 ft	Rows of Building	Distance factor = $10\log(D/30)$								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
			X	Y	Z	X	Y	Z	(feet)			
Site 1	77	0	3755	1488	20.0	4497	1448	5.0	743	14	0	63
Site 2	77	2	3755	1488	20.0	3556	2970	5.0	1495	17	5	56
Site 3	77	3	3755	1488	20.0	2624	1889	5.0	1200	16	6	55
Site 4	77	4	3755	1488	20.0	2320	1866	5.0	1484	17	8	53
Site 5	77	5	3755	1488	20.0	1879	1948	5.0	1932	18	9	50
Site 6	77	5	3755	1488	20.0	1672	2202	5.0	2202	19	9	49
Site 7	77	5	3755	1488	20.0	1449	1673	5.0	2313	19	9	49
Site 8	77	5	3755	1488	20.0	1076	1318	5.0	2684	20	9	48
Site 9	77	5	3755	1488	20.0	986	737	5.0	2869	20	9	48
Site 10	77	5	3755	1488	20.0	1438	464	5.0	2533	19	9	49
Site 11	77	1	3755	1488	20.0	2731	1092	5.0	1098	16	3	58

NO BUILD

Receptor	Cyclone Operations											
	Leq at 30 ft	Rows of Building	Distance factor = $10\log(D/30)$								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
			X	Y	Z	X	Y	Z	(feet)			
Site 1	77	0	3755	1488	20.0	4497	1448	5.0	743	14	0	63
Site 2	77	2	3755	1488	20.0	3556	2970	5.0	1495	17	5	56
Site 3	77	3	3755	1488	20.0	2624	1889	5.0	1200	16	6	55
Site 4	77	4	3755	1488	20.0	2320	1866	5.0	1484	17	8	53
Site 5	77	5	3755	1488	20.0	1879	1948	5.0	1932	18	9	50
Site 6	77	5	3755	1488	20.0	1672	2202	5.0	2202	19	9	49
Site 7	77	5	3755	1488	20.0	1449	1673	5.0	2313	19	9	49
Site 8	77	5	3755	1488	20.0	1076	1318	5.0	2684	20	9	48
Site 9	77	5	3755	1488	20.0	986	737	5.0	2869	20	9	48
Site 10	77	5	3755	1488	20.0	1438	464	5.0	2533	19	9	49
Site 11	77	1	3755	1488	20.0	2731	1092	5.0	1098	16	3	58

EXISTING

Receptor	Public Speakers											
	Leq at 30 ft	Rows of Building	Distance factor = 20log(D/30)								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
			X	Y	Z	X	Y	Z	(feet)			
Site 1	75	0	3375	1519	20.0	4497	1448	5.0	1124	31	0	44
Site 2	75	2	3375	1519	20.0	3556	2970	5.0	1462	34	5	37
Site 3	75	3	3375	1519	20.0	2624	1889	5.0	837	29	6	40
Site 4	75	4	3375	1519	20.0	2320	1866	5.0	1111	31	8	36
Site 5	75	5	3375	1519	20.0	1879	1948	5.0	1556	34	9	32
Site 6	75	5	3375	1519	20.0	1672	2202	5.0	1835	36	9	30
Site 7	75	5	3375	1519	20.0	1449	1673	5.0	1932	36	9	30
Site 8	75	5	3375	1519	20.0	1076	1318	5.0	2308	38	9	28
Site 9	75	5	3375	1519	20.0	986	737	5.0	2514	38	9	28
Site 10	75	5	3375	1519	20.0	1438	464	5.0	2206	37	9	29
Site 11	75	1	3375	1519	20.0	2731	1092	5.0	773	28	3	44

NO BUILD

Receptor	Public Speakers											
	Leq at 30 ft	Rows of Building	Distance factor = 20log(D/30)								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
			X	Y	Z	X	Y	Z	(feet)			
Site 1	75	0	3152	1318	20.0	4497	1448	5.0	1351	33	0	42
Site 2	75	2	3152	1318	20.0	3556	2970	5.0	1701	35	5	35
Site 3	75	3	3152	1318	20.0	2624	1889	5.0	778	28	6	41
Site 4	75	4	3152	1318	20.0	2320	1866	5.0	996	30	8	37
Site 5	75	5	3152	1318	20.0	1879	1948	5.0	1420	34	9	32
Site 6	75	5	3152	1318	20.0	1672	2202	5.0	1724	35	9	31
Site 7	75	5	3152	1318	20.0	1449	1673	5.0	1740	35	9	31
Site 8	75	5	3152	1318	20.0	1076	1318	5.0	2076	37	9	29
Site 9	75	5	3152	1318	20.0	986	737	5.0	2243	37	9	29
Site 10	75	5	3152	1318	20.0	1438	464	5.0	1915	36	9	30
Site 11	75	1	3152	1318	20.0	2731	1092	5.0	478	24	3	48

EXISTING

Receptor	People Noise											
	Leq at 30 ft	Rows of Building	Distance factor = 10log(D/30)								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
X	Y	Z	X	Y	Z	(feet)						
Site 1	70	0	3375	1519	5.0	4497	1448	5.0	1124	16	0	54
Site 2	70	2	3375	1519	5.0	3556	2970	5.0	1462	17	5	49
Site 3	70	3	3375	1519	5.0	2624	1889	5.0	837	14	6	50
Site 4	70	4	3375	1519	5.0	2320	1866	5.0	1111	16	8	47
Site 5	70	5	3375	1519	5.0	1879	1948	5.0	1556	17	9	44
Site 6	70	5	3375	1519	5.0	1672	2202	5.0	1835	18	9	43
Site 7	70	5	3375	1519	5.0	1449	1673	5.0	1932	18	9	43
Site 8	70	5	3375	1519	5.0	1076	1318	5.0	2308	19	9	42
Site 9	70	5	3375	1519	5.0	986	737	5.0	2514	19	9	42
Site 10	70	5	3375	1519	5.0	1438	464	5.0	2206	19	9	42
Site 11	70	1	3375	1519	5.0	2731	1092	5.0	773	14	3	53

NO BUILD

Receptor	People Noise											
	Leq at 30 ft	Rows of Building	Distance factor = 10log(D/30)								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
X	Y	Z	X	Y	Z	(feet)						
Site 1	70	0	3152	1318	5.0	4497	1448	5.0	1351	17	0	53
Site 2	70	2	3152	1318	5.0	3556	2970	5.0	1701	18	5	48
Site 3	70	3	3152	1318	5.0	2624	1889	5.0	778	14	6	50
Site 4	70	4	3152	1318	5.0	2320	1866	5.0	996	15	8	47
Site 5	70	5	3152	1318	5.0	1879	1948	5.0	1420	17	9	44
Site 6	70	5	3152	1318	5.0	1672	2202	5.0	1724	18	9	43
Site 7	70	5	3152	1318	5.0	1449	1673	5.0	1740	18	9	43
Site 8	70	5	3152	1318	5.0	1076	1318	5.0	2076	18	9	43
Site 9	70	5	3152	1318	5.0	986	737	5.0	2243	19	9	42
Site 10	70	5	3152	1318	5.0	1438	464	5.0	1915	18	9	43
Site 11	70	1	3152	1318	5.0	2731	1092	5.0	478	12	3	55

EXISTING

Receptor	Ride Motors												Total dBA at receptor
	Leq at 30 ft	Rows of Building	Distance factor = 15log(D/30)							Shielding	dBA at receptor		
			Source Location			Receptor Location			Distance			dBA	
X	Y	Z	X	Y	Z	(feet)							
Site 1	65	0	3375	1519	5.0	4497	1448	5.0	1124	24	0	41	63.7
Site 2	65	2	3375	1519	5.0	3556	2970	5.0	1462	25	5	35	56.4
Site 3	65	3	3375	1519	5.0	2624	1889	5.0	837	22	6	37	56.2
Site 4	65	4	3375	1519	5.0	2320	1866	5.0	1111	24	8	34	53.7
Site 5	65	5	3375	1519	5.0	1879	1948	5.0	1556	26	9	30	51.0
Site 6	65	5	3375	1519	5.0	1672	2202	5.0	1835	27	9	29	50.4
Site 7	65	5	3375	1519	5.0	1449	1673	5.0	1932	27	9	29	50.1
Site 8	65	5	3375	1519	5.0	1076	1318	5.0	2308	28	9	28	49.5
Site 9	65	5	3375	1519	5.0	986	737	5.0	2514	29	9	27	49.1
Site 10	65	5	3375	1519	5.0	1438	464	5.0	2206	28	9	28	49.7
Site 11	65	1	3375	1519	5.0	2731	1092	5.0	773	21	3	41	59.6

NO BUILD

Receptor	Ride Motors												Total dBA at receptor
	Leq at 30 ft	Rows of Building	Distance factor = 15log(D/30)							Shielding	dBA at receptor		
			Source Location			Receptor Location			Distance			dBA	
X	Y	Z	X	Y	Z	(feet)							
Site 1	65	0	3152	1318	5.0	4497	1448	5.0	1351	25	0	40	63.6
Site 2	65	2	3152	1318	5.0	3556	2970	5.0	1701	26	5	34	56.3
Site 3	65	3	3152	1318	5.0	2624	1889	5.0	778	21	6	38	56.3
Site 4	65	4	3152	1318	5.0	2320	1866	5.0	996	23	8	35	53.8
Site 5	65	5	3152	1318	5.0	1879	1948	5.0	1420	25	9	31	51.1
Site 6	65	5	3152	1318	5.0	1672	2202	5.0	1724	26	9	30	50.4
Site 7	65	5	3152	1318	5.0	1449	1673	5.0	1740	26	9	30	50.2
Site 8	65	5	3152	1318	5.0	1076	1318	5.0	2076	28	9	28	49.6
Site 9	65	5	3152	1318	5.0	986	737	5.0	2243	28	9	28	49.3
Site 10	65	5	3152	1318	5.0	1438	464	5.0	1915	27	9	29	49.8
Site 11	65	1	3152	1318	5.0	2731	1092	5.0	478	18	3	44	60.4

BUILD

Receptor	Cyclone Operations												
	Leq at 30 ft	Rows of Building	Distance factor = $10\log(D/30)$									Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA			
			X	Y	Z	X	Y	Z	(feet)				
Site 1	77	0	3755	1488	20.0	4497	1448	5.0	743	14	0	63	
Site 2	77	2	3755	1488	20.0	3556	2970	5.0	1495	17	5	56	
Site 3	77	3	3755	1488	20.0	2624	1889	5.0	1200	16	6	55	
Site 4	77	4	3755	1488	20.0	2320	1866	5.0	1484	17	8	53	
Site 5	77	5	3755	1488	20.0	1879	1948	5.0	1932	18	9	50	
Site 6	77	5	3755	1488	20.0	1672	2202	5.0	2202	19	9	49	
Site 7	77	5	3755	1488	20.0	1449	1673	5.0	2313	19	9	49	
Site 8	77	5	3755	1488	20.0	1076	1318	5.0	2684	20	9	48	
Site 9	77	5	3755	1488	20.0	986	737	5.0	2869	20	9	48	
Site 10	77	5	3755	1488	20.0	1438	464	5.0	2533	19	9	49	
Site 11	77	1	3755	1488	20.0	2731	1092	5.0	1098	16	3	58	

BUILD

Receptor	Public Speakers											
	Leq at 30 ft	Rows of Building	Distance factor = $20\log(D/30)$								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
			X	Y	Z	X	Y	Z	(feet)			
Site 1	75	1	3560	1098	20.0	4497	1448	5.0	1000	30	3	42
Site 2	75	3	3560	1098	20.0	3556	2970	5.0	1872	36	6	33
Site 3	75	0	2797	1040	20.0	2624	1889	5.0	867	29	0	46
Site 4	75	3	2797	1040	20.0	2320	1866	5.0	954	30	6	39
Site 5	75	4	2212	867	20.0	1879	1948	5.0	1131	32	8	36
Site 6	75	5	2212	867	20.0	1672	2202	5.0	1440	34	9	32
Site 7	75	3	2212	867	20.0	1449	1673	5.0	1110	31	6	38
Site 8	75	3	2212	867	20.0	1076	1318	5.0	1222	32	6	37
Site 9	75	3	2212	867	20.0	986	737	5.0	1233	32	6	37
Site 10	75	3	2212	867	20.0	1438	464	5.0	873	29	6	40
Site 11	75	0	2797	1040	20.0	2731	1092	5.0	85	9	0	66

BUILD

Receptor	People Noise											
	Leq at 30 ft	Rows of Building	Distance factor = $10\log(D/30)$								Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA		
			X	Y	Z	X	Y	Z	(feet)			
Site 1	70	1	3560	1098	5.0	4497	1448	5.0	1000	15	3	52
Site 2	70	3	3560	1098	5.0	3556	2970	5.0	1872	18	6	46
Site 3	70	0	2797	1040	5.0	2624	1889	5.0	866	15	0	55
Site 4	70	3	2797	1040	5.0	2320	1866	5.0	954	15	6	49
Site 5	70	4	2212	867	5.0	1879	1948	5.0	1131	16	8	47
Site 6	70	5	2212	867	5.0	1672	2202	5.0	1440	17	9	44
Site 7	70	3	2212	867	5.0	1449	1673	5.0	1110	16	6	48
Site 8	70	3	2212	867	5.0	1076	1318	5.0	1222	16	6	48
Site 9	70	3	2212	867	5.0	986	737	5.0	1233	16	6	48
Site 10	70	3	2212	867	5.0	1438	464	5.0	873	15	6	49
Site 11	70	0	2797	1040	5.0	2731	1092	5.0	84	4	0	66

BUILD

Receptor	Ride Motors												Total dBA at receptor	
	Leq at 30 ft	Rows of Building	Distance factor = $15\log(D/30)$									Shielding		dBA at receptor
			Source Location			Receptor Location			Distance	dBA				
			X	Y	Z	X	Y	Z	(feet)					
Site 1	65	1	3560	1098	5.0	4497	1448	5.0	1000	23	3	39	64.7	
Site 2	65	3	3560	1098	5.0	3556	2970	5.0	1872	27	6	32	57.8	
Site 3	65	0	2797	1040	5.0	2624	1889	5.0	866	22	0	43	63.9	
Site 4	65	3	2797	1040	5.0	2320	1866	5.0	954	23	6	36	58.2	
Site 5	65	4	2212	867	5.0	1879	1948	5.0	1131	24	8	34	55.9	
Site 6	65	5	2212	867	5.0	1672	2202	5.0	1440	25	9	31	53.9	
Site 7	65	3	2212	867	5.0	1449	1673	5.0	1110	24	6	35	57.0	
Site 8	65	3	2212	867	5.0	1076	1318	5.0	1222	24	6	35	56.5	
Site 9	65	3	2212	867	5.0	986	737	5.0	1233	24	6	35	56.4	
Site 10	65	3	2212	867	5.0	1438	464	5.0	873	22	6	37	57.8	
Site 11	65	0	2797	1040	5.0	2731	1092	5.0	84	7	0	58	74.2	

BUILD

Receptor	Roller coasters Operations												
	Leq at 30 ft	Rows of Building	Distance factor = $10\log(D/30)$									Shielding	dBA at receptor
			Source Location			Receptor Location			Distance	dBA			
			X	Y	Z	X	Y	Z	(feet)				
Site 1	77	1	3560	1098	20.0	4497	1448	5.0	1000	15	3	59	
Site 2	77	3	3560	1098	20.0	3556	2970	5.0	1872	18	6	53	
Site 3	77	0	2797	1040	20.0	2624	1889	5.0	867	15	0	62	
Site 4	77	3	2797	1040	20.0	2320	1866	5.0	954	15	6	56	
Site 5	77	4	2212	867	20.0	1879	1948	5.0	1131	16	8	54	
Site 6	77	5	2212	867	20.0	1672	2202	5.0	1440	17	9	51	
Site 7	77	3	2212	867	20.0	1449	1673	5.0	1110	16	6	55	
Site 8	77	3	2212	867	20.0	1076	1318	5.0	1222	16	6	55	
Site 9	77	3	2212	867	20.0	986	737	5.0	1233	16	6	55	
Site 10	77	3	2212	867	20.0	1438	464	5.0	873	15	6	56	
Site 11	77	0	2797	1040	20.0	2731	1092	5.0	85	5	0	72	

Noise Analysis Results in L10

Note: This L10 calculation sheet is valid for the following in addition to Residential 7 AM - 10 PM school, museum, library, court, house of worship, transient hotel or motel, public meeting room, auditorium, out patient public health facility, commercial

Categories	
L10 < or equal 65 dBA	acceptable
65 < L10 < or equal 70 dBA	marginally acceptable
70 < L10 < or equal 80 dBA	marginally acceptable
L10 > 80 dBA	clearly unacceptable

Receptor Location	Site	Hour	No Build Change	Existing L10	Category (Existing L10 noise levels)	Existing L10 + NB Change = NB L10	Category (NB L10 noise levels)	Build Change	No Build L10	No Build L10 + Build Change = L10	Category (B L10 noise levels)	CEQR criteria 45 dB(A)	Building Attenuation required
Surf Ave btw W 5th St and W 8th St	1	Weekday AM	1.0	71.5	MARGINALLY UNACCEPTABLE	72.5	MARGINALLY UNACCEPTABLE	0.3	72.5	72.8	MARGINALLY UNACCEPTABLE	45	27.8
		Weekday MD	0.6	70.5	MARGINALLY UNACCEPTABLE	71.1	MARGINALLY UNACCEPTABLE	0.9	71.1	72.0	MARGINALLY UNACCEPTABLE	45	27.0
		Weekday PM	0.8	70.3	MARGINALLY UNACCEPTABLE	71.1	MARGINALLY UNACCEPTABLE	0.9	71.1	72.0	MARGINALLY UNACCEPTABLE	45	27.0
		Saturday MD	0.8	71.2	MARGINALLY UNACCEPTABLE	72.0	MARGINALLY UNACCEPTABLE	0.7	72.0	72.7	MARGINALLY UNACCEPTABLE	45	27.7
		Saturday PM	0.8	72.0	MARGINALLY UNACCEPTABLE	72.8	MARGINALLY UNACCEPTABLE	0.8	72.8	73.6	MARGINALLY UNACCEPTABLE	45	28.6
Neptune Ave btw W 8th St and W 12th St	2	Weekday AM	0.9	70.1	MARGINALLY UNACCEPTABLE	71.0	MARGINALLY UNACCEPTABLE	0.5	71.0	71.5	MARGINALLY UNACCEPTABLE	45	26.5
		Weekday MD	1.2	74.3	MARGINALLY UNACCEPTABLE	75.5	MARGINALLY UNACCEPTABLE	0.8	75.5	76.3	MARGINALLY UNACCEPTABLE	45	31.3
		Weekday PM	0.5	68.3	MARGINALLY ACCEPTABLE	68.8	MARGINALLY ACCEPTABLE	1.3	68.8	70.1	MARGINALLY UNACCEPTABLE	45	25.1
		Saturday MD	0.8	71.4	MARGINALLY UNACCEPTABLE	72.2	MARGINALLY UNACCEPTABLE	1.0	72.2	73.3	MARGINALLY UNACCEPTABLE	45	28.3
		Saturday PM	0.7	70.8	MARGINALLY UNACCEPTABLE	71.6	MARGINALLY UNACCEPTABLE	1.1	71.6	72.7	MARGINALLY UNACCEPTABLE	45	27.7
Stillwell Ave btw Surf Ave and Neptune Ave	3	Weekday AM	0.6	76.4	MARGINALLY UNACCEPTABLE	77.0	MARGINALLY UNACCEPTABLE	0.5	77.0	77.5	MARGINALLY UNACCEPTABLE	45	32.5
		Weekday MD	1.0	74.6	MARGINALLY UNACCEPTABLE	75.6	MARGINALLY UNACCEPTABLE	1.3	75.6	76.9	MARGINALLY UNACCEPTABLE	45	31.9
		Weekday PM	0.9	75.7	MARGINALLY UNACCEPTABLE	76.6	MARGINALLY UNACCEPTABLE	1.1	76.6	77.7	MARGINALLY UNACCEPTABLE	45	32.7
		Saturday MD	0.7	77.1	MARGINALLY UNACCEPTABLE	77.8	MARGINALLY UNACCEPTABLE	1.0	77.8	78.7	MARGINALLY UNACCEPTABLE	45	33.7
		Saturday PM	0.8	78.2	MARGINALLY UNACCEPTABLE	79.0	MARGINALLY UNACCEPTABLE	0.9	79.0	79.9	MARGINALLY UNACCEPTABLE	45	34.9
W 15th St btw Mermaid Ave and Surf Ave	4	Weekday AM	1.2	65.8	MARGINALLY ACCEPTABLE	67.0	MARGINALLY ACCEPTABLE	0.6	67.0	67.6	MARGINALLY ACCEPTABLE	45	22.6
		Weekday MD	0.8	61.5	ACCEPTABLE	62.3	ACCEPTABLE	1.9	62.3	64.2	ACCEPTABLE	45	19.2
		Weekday PM	0.8	62.5	ACCEPTABLE	63.2	ACCEPTABLE	1.7	63.2	64.9	ACCEPTABLE	45	19.9
		Saturday MD	0.7	63.4	ACCEPTABLE	64.1	ACCEPTABLE	1.9	64.1	66.0	MARGINALLY ACCEPTABLE	45	21.0
		Saturday PM	0.7	65.5	MARGINALLY ACCEPTABLE	66.2	MARGINALLY ACCEPTABLE	1.2	66.2	67.4	MARGINALLY ACCEPTABLE	45	22.4
Mermaid Ave btw W 16th St and W 17th St	5	Weekday AM	0.6	71.3	MARGINALLY UNACCEPTABLE	71.9	MARGINALLY UNACCEPTABLE	0.1	71.9	72.0	MARGINALLY UNACCEPTABLE	45	27.0
		Weekday MD	0.6	67.0	MARGINALLY ACCEPTABLE	67.6	MARGINALLY ACCEPTABLE	0.6	67.6	68.1	MARGINALLY ACCEPTABLE	45	23.1
		Weekday PM	0.8	67.4	MARGINALLY ACCEPTABLE	68.2	MARGINALLY ACCEPTABLE	0.4	68.2	68.6	MARGINALLY ACCEPTABLE	45	23.6
		Saturday MD	0.7	66.6	MARGINALLY ACCEPTABLE	67.3	MARGINALLY ACCEPTABLE	0.5	67.3	67.8	MARGINALLY ACCEPTABLE	45	22.8
		Saturday PM	0.7	66.3	MARGINALLY ACCEPTABLE	67.0	MARGINALLY ACCEPTABLE	0.5	67.0	67.5	MARGINALLY ACCEPTABLE	45	22.5
W17th St btw Neptune Ave and Mermaid Ave	6	Weekday AM	0.8	74.2	MARGINALLY UNACCEPTABLE	75.0	MARGINALLY UNACCEPTABLE	3.5	75.0	78.5	MARGINALLY UNACCEPTABLE	45	33.5
		Weekday MD	0.9	71.2	MARGINALLY UNACCEPTABLE	72.1	MARGINALLY UNACCEPTABLE	4.5	72.1	76.6	MARGINALLY UNACCEPTABLE	45	31.6
		Weekday PM	1.2	73.2	MARGINALLY UNACCEPTABLE	74.3	MARGINALLY UNACCEPTABLE	2.2	74.3	76.6	MARGINALLY UNACCEPTABLE	45	31.6
		Saturday MD	1.1	72.3	MARGINALLY UNACCEPTABLE	73.4	MARGINALLY UNACCEPTABLE	1.8	73.4	75.3	MARGINALLY UNACCEPTABLE	45	30.3
		Saturday PM	1.1	71.1	MARGINALLY UNACCEPTABLE	72.2	MARGINALLY UNACCEPTABLE	0.9	72.2	73.0	MARGINALLY UNACCEPTABLE	45	28.0
W 19th St btw Surf Ave and Mermaid Ave	7	Weekday AM	1.1	61.3	ACCEPTABLE	62.4	ACCEPTABLE	0.8	62.4	63.2	ACCEPTABLE	45	18.2
		Weekday MD	1.3	60.8	ACCEPTABLE	62.1	ACCEPTABLE	2.4	62.1	64.5	ACCEPTABLE	45	19.5
		Weekday PM	1.1	62.4	ACCEPTABLE	63.5	ACCEPTABLE	1.7	63.5	65.2	MARGINALLY ACCEPTABLE	45	20.2
		Saturday MD	1.0	61.1	ACCEPTABLE	62.2	ACCEPTABLE	2.2	62.2	64.4	ACCEPTABLE	45	19.4
		Saturday PM	0.9	61.8	ACCEPTABLE	62.7	ACCEPTABLE	2.0	62.7	64.7	ACCEPTABLE	45	19.7
Surf Ave btw W 20th St and W 21st St	8	Weekday AM	0.8	76.0	MARGINALLY UNACCEPTABLE	76.8	MARGINALLY UNACCEPTABLE	0.4	76.8	77.2	MARGINALLY UNACCEPTABLE	45	32.2
		Weekday MD	0.9	72.7	MARGINALLY UNACCEPTABLE	73.6	MARGINALLY UNACCEPTABLE	0.7	73.6	74.3	MARGINALLY UNACCEPTABLE	45	29.3
		Weekday PM	1.0	71.8	MARGINALLY UNACCEPTABLE	72.7	MARGINALLY UNACCEPTABLE	0.7	72.7	73.4	MARGINALLY UNACCEPTABLE	45	28.4
		Saturday MD	1.0	72.9	MARGINALLY UNACCEPTABLE	73.9	MARGINALLY UNACCEPTABLE	0.7	73.9	74.6	MARGINALLY UNACCEPTABLE	45	29.6
		Saturday PM	0.8	70.9	MARGINALLY UNACCEPTABLE	71.7	MARGINALLY UNACCEPTABLE	0.8	71.7	72.4	MARGINALLY UNACCEPTABLE	45	27.4
W 21st St btw Surf Ave and Boardwalk	9	Weekday AM	0.6	63.2	ACCEPTABLE	63.8	ACCEPTABLE	1.9	63.8	65.7	MARGINALLY ACCEPTABLE	45	20.7
		Weekday MD	1.6	63.5	ACCEPTABLE	65.0	ACCEPTABLE	1.9	65.0	66.9	MARGINALLY ACCEPTABLE	45	21.9
		Weekday PM	0.5	63.1	ACCEPTABLE	63.5	ACCEPTABLE	2.0	63.5	65.5	MARGINALLY ACCEPTABLE	45	20.5
		Saturday MD	0.4	63.8	ACCEPTABLE	64.2	ACCEPTABLE	1.5	64.2	65.6	MARGINALLY ACCEPTABLE	45	20.6
		Saturday PM	0.7	60.4	ACCEPTABLE	61.1	ACCEPTABLE	2.3	61.1	63.3	ACCEPTABLE	45	18.3
Boardwalk btw W 21st St and W 20th St	10	Weekday AM	0.6	56.8	ACCEPTABLE	57.4	ACCEPTABLE	0.2	57.4	57.6	ACCEPTABLE	45	12.6
		Weekday MD	0.7	56.5	ACCEPTABLE	57.2	ACCEPTABLE	3.7	57.2	60.9	ACCEPTABLE	45	15.9
		Weekday PM	0.2	58.2	ACCEPTABLE	58.4	ACCEPTABLE	3.7	58.4	62.1	ACCEPTABLE	45	17.1
		Saturday MD	0.8	56.1	ACCEPTABLE	56.9	ACCEPTABLE	4.3	56.9	61.3	ACCEPTABLE	45	16.3
		Saturday PM	0.6	56.8	ACCEPTABLE	57.4	ACCEPTABLE	3.7	57.4	61.1	ACCEPTABLE	45	16.1
Stillwell Ave btw Surf Ave and Boardwalk	11	Weekday AM	0.9	57.5	ACCEPTABLE	58.4	ACCEPTABLE	0.9	58.4	59.3	ACCEPTABLE	45	14.3
		Weekday MD	0.8	63.2	ACCEPTABLE	64.0	ACCEPTABLE	12.6	64.0	76.6	MARGINALLY UNACCEPTABLE	45	31.6
		Weekday PM	0.9	64.1	ACCEPTABLE	65.0	ACCEPTABLE	12.0	65.0	77.0	MARGINALLY UNACCEPTABLE	45	32.0
		Saturday MD	0.8	63.3	ACCEPTABLE	64.1	ACCEPTABLE	11.9	64.1	76.0	MARGINALLY UNACCEPTABLE	45	31.0
		Saturday PM	0.8	64.1	ACCEPTABLE	64.9	ACCEPTABLE	11.9	64.9	76.9	MARGINALLY UNACCEPTABLE	45	31.9

Building Attenuation (in dBA): Year 2019

Potential Development Site	Block	Governing Noise Site	Maximum Build L10	Building Attenuation
1 (North)	7072	8, 9	77.2	35
1 (South)	7072	9, 10	66.9	25
2 (North)	7071	8, 9	77.2	35
2 (South)	7071	9, 10	66.9	25
3	7064	3, 4	79.9	35
4	7063	4, 8	77.2	35
5	7062	7, 8	77.2	35
6	7061	7, 8	77.2	35
7	7060	7, 8	77.2	35
8	7063	5	72.0	30
9	7061	5	72.0	30
10	7060	5	72.0	30
11	7074	11	77.0	35
12 (East)	8696	1, 11	77.0	35
12 (West)	8696	1, 11	77.0	35
13	7074	11	77.0	35
14	8695	11	77.0	35
15	8696	11	77.0	35
16 & 17	7266	1	73.6	30
18-20	7268	1	73.6	30
A (North)	7073	8, 9	77.2	35
A (South)	7073	9, 10	66.9	25
B	7064	3	79.9	35
C	7064	5	72.0	30
D & E	7063	5	72.0	30
F	7061	5	72.0	30
G	7074	1, 11	77.0	35
H	8694	1, 11	77.0	35
I	8696	11	77.0	35
J & K	7268	1	73.6	30

Note: Attenuation values shown assume a residential use; commercial uses would require 5 dBA less attenuation.