Appendix C

Noise

Noise Appendix

7/28/2006

Algin 61st Street

10321

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, or office

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

Receptor Location	Site	Hour	NB 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 = Build L10	Category (B L10 noise levels)	CEQR criteria 45 dB(A)	Building Attenuation required
60th Street between Amsterdam and West End Ave	1	AM	1.7	68.5	MARGINALLY ACCEPTABLE	70.2	MARGINALLY UNACCEPTABLE	0.4	70.2	70.7	MARGINALLY UNACCEPTABLE	45	25.7
		MD	1.1	69.3	MARGINALLY ACCEPTABLE	70.4	MARGINALLY UNACCEPTABLE	0.5	70.4	71.0	MARGINALLY UNACCEPTABLE	45	26.0
		PM	1.4	67.9	MARGINALLY ACCEPTABLE	69.3	MARGINALLY ACCEPTABLE	0.1	69.3	69.5	MARGINALLY ACCEPTABLE	45	24.5
61st Street between Amsterdam and West End Ave	2	AM	0.8	70.0	MARGINALLY ACCEPTABLE	70.8	MARGINALLY UNACCEPTABLE	0.6	70.8	71.4	MARGINALLY UNACCEPTABLE	45	26.4
		MD	0.7	66.9	MARGINALLY ACCEPTABLE	67.6	MARGINALLY ACCEPTABLE	0.5	67.6	68.0	MARGINALLY ACCEPTABLE	45	23.0
		PM	0.8	70.3	MARGINALLY UNACCEPTABLE	71.1	MARGINALLY UNACCEPTABLE	0.3	71.1	71.4	MARGINALLY UNACCEPTABLE	45	26.4
West End Ave between 60th and 61st Streets	3	AM	0.8	77.0	MARGINALLY UNACCEPTABLE	77.8	MARGINALLY UNACCEPTABLE	0.1	77.8	77.9	MARGINALLY UNACCEPTABLE	45	32.9
		MD	0.9	76.3	MARGINALLY UNACCEPTABLE	77.2	MARGINALLY UNACCEPTABLE	0.0	77.2	77.2	MARGINALLY UNACCEPTABLE	45	32.2
		PM	1.0	77.9	MARGINALLY UNACCEPTABLE	78.9	MARGINALLY UNACCEPTABLE	0.0	78.9	78.9	MARGINALLY UNACCEPTABLE	45	33.9

Note: If measurements were made during the day, then read data from the "day" column that corresponds to the applicable Existing Leq(1) value; if measurements were made during the night, then read data from the "night" column

RECEPTOR NOISE LEVEL CALCULATION FOR YEAR			2010																			
			EXISTING CONDITIONS							2010 NO BUILD				2010 BUILD							CEQR COMPLIANCE			
Receptor Location	Site	Hour	Volume	%Auto	%Medium	%Heavy	%Bus	PCEs	Leq(1)	Volume	PCEs	Leq(1)	Change	P-G Autos	P-G Medium	P-G Heavy	P-G Bus	Total PCE's	Leq (1)	Change	DAY 7 AM - 10 PM **Existing Leq(1) >= 62 dBA**	DAY 7 AM - 10 PM **Existing Leq(1) = 61 dBA**	DAY 7 AM - 10 PM **Existing Leq(1) <= 60 dBA**	NIGHT 10 PM - 7 AM
60th Street between Amsterdam and West End Ave	1	AM	119	91.2%	5.8%	1.3%	1.6%	305	67.5	178	457	69.2	1.7	21	2	0	0	504	69.7	0.4	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
		MD	113	97.2%	0.9%	0.6%	1.3%	181	66.8	146	234	67.9	1.1	5	2	0	0	265	68.5	0.5	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
		PM	164	91.2%	2.0%	2.0%	4.7%	485	66.8	228	674	68.2	1.4	8	1	0	0	695	68.4	0.1	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
61st Street between Amsterdam and West End Ave	2	AM	110	91.2%	5.8%	1.3%	1.6%	282	67.9	131	336	68.7	0.8	53	0	0	0	389	69.3	0.6	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
		MD	92	97.2%	0.9%	0.6%	1.3%	148	67.9	107	172	68.6	0.7	20	0	0	0	192	69.0	0.5	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
		PM	91	91.2%	2.0%	2.0%	4.7%	269	68.9	109	322	69.7	0.8	26	0	0	0	348	70.0	0.3	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
West End Ave between 60th and 61st Streets	3	AM	1500	91.1%	1.8%	1.3%	5.9%	4227	75.8	1813	5109	76.6	0.8	50	1	0	0	5172	76.7	0.1	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
		MD	1242	90.6%	1.7%	1.3%	6.4%	3589	73.2	1520	4393	74.1	0.9	13	1	0	0	4419	74.1	0.0	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT
		PM	1464	89.0%	3.2%	1.3%	6.5%	4519	75.4	1842	5686	76.4	1.0	24	1	0	0	5723	76.4	0.0	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT