# Appendix C

# Noise

7/28/2006

Algin 61st Street

10321



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 | | | | | | | | | | | | | | | | | CEQR COMPLIANCE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | EXISTING CONDITIONS | | | | | | | 2010 NO BUILD | | | | 2010 BUILD | | | | | | | | | |
| **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 |

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 |