**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NFNS-101 | 197.9 | 1 | 71.8 | 71.3 | 61.9 | 71.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NFNS-101 | 200.9 | 2 | 73.5 | 73.1 | 62.5 | 73.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NFNS-101 | 203.9 | 3 | 74 | 73.6 | 62.6 | 73.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NFNS-201 | 178 | 1 | 68.2 | 60.4 | 55.7 | 61.7 | 70 | N | 1.3 | Y | N | N | 1 | 1 | 0 |
| NFNS-201 | 181 | 2 | 75.6 | 67.7 | 60.8 | 68.5 | 70 | N | 0.8 | N | N | N | 1 | 1 | 1 |
| NFNS-201 | 184 | 3 | 76.7 | 69.8 | 63.4 | 70.7 | 70 | Y | 0.9 | N | N | N | 1 | 1 | 0 |
| NFNS-202 | 178 | 1 | 66.5 | 58 | 53.6 | 59.4 | 70 | N | 1.4 | Y | N | N | 1 | 1 | 0 |
| NFNS-202 | 181 | 2 | 73.7 | 64.3 | 57.7 | 65.2 | 70 | N | 0.9 | N | N | N | 1 | 1 | 1 |
| NFNS-202 | 184 | 3 | 75.2 | 67 | 60.6 | 67.9 | 70 | N | 0.9 | N | N | N | 1 | 1 | 1 |
| NFNS-301 | 181.6 | 1 | 75.3 | 64.8 | 57.3 | 65.5 | 70 | N | 0.7 | N | N | N | 1 | 1 | 1 |
| NFNS-301 | 184.6 | 2 | 75.5 | 67.8 | 59.7 | 68.4 | 70 | N | 0.6 | N | N | N | 1 | 1 | 1 |
| NFNS-301 | 187.6 | 3 | 75.5 | 68.8 | 62 | 69.6 | 70 | N | 0.8 | N | N | N | 1 | 1 | 1 |
| NFNS-302 | 181.6 | 1 | 74.9 | 64.3 | 55.7 | 64.8 | 70 | N | 0.5 | N | N | N | 1 | 1 | 1 |
| NFNS-302 | 184.6 | 2 | 75.2 | 67.3 | 58.4 | 67.8 | 70 | N | 0.5 | N | N | N | 1 | 1 | 1 |
| NFNS-302 | 187.6 | 3 | 75.2 | 68.5 | 61.1 | 69.2 | 70 | N | 0.7 | N | N | N | 1 | 1 | 1 |
| NTPC-101 | 192.3 | 1 | 71 | 69.9 | 53.9 | 70 | 70 | N | 0.1 | N | N | N | 1 | 1 | 1 |
| NTPC-101 | 195.3 | 2 | 72.6 | 70.7 | 56.6 | 70.8 | 70 | Y | 0.1 | N | N | N | 1 | 1 | 0 |
| NTPC-101 | 198.3 | 3 | 73.4 | 71 | 57.6 | 71.1 | 70 | Y | 0.1 | N | N | N | 1 | 1 | 0 |
| NTPC-201 | 192.3 | 1 | 73.3 | 73 | 51.4 | 73 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NTPC-201 | 195.3 | 2 | 73.8 | 73.4 | 54.2 | 73.4 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NTPC-201 | 198.3 | 3 | 74 | 73.5 | 55.3 | 73.6 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NCHR-101 | 81 | 1 | 48.2 | 47.8 | 38.3 | 48.2 | 65 | N | 0.4 | N | N | N | 1 | 0 | 0 |
| NCHR-101 | 84 | 2 | 50.5 | 50.1 | 40.1 | 50.5 | 65 | N | 0.4 | N | N | N | 1 | 0 | 0 |
| NCHR-101 | 87 | 3 | 53.8 | 53.4 | 42.5 | 53.8 | 65 | N | 0.4 | N | N | N | 1 | 0 | 0 |
| NCHR-101 | 90 | 4 | 60.8 | 60.6 | 46.9 | 60.8 | 65 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NCHR-101 | 93 | 5 | 69.1 | 69.1 | 50 | 69.1 | 65 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NCHR-101 | 96 | 6 | 69.7 | 69.6 | 50.9 | 69.7 | 65 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NCHR-102 | 81 | 1 | 64.9 | 64.8 | 49.9 | 64.9 | 65 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NCHR-102 | 84 | 2 | 72.2 | 72.1 | 53.1 | 72.2 | 65 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NCHR-102 | 87 | 3 | 72.6 | 72.5 | 53.3 | 72.6 | 65 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NCHR-102 | 90 | 4 | 72.6 | 72.5 | 53.8 | 72.6 | 65 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NCHR-102 | 93 | 5 | 72.6 | 72.5 | 54.5 | 72.6 | 65 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NCHR-102 | 96 | 6 | 72.6 | 72.5 | 54.9 | 72.6 | 65 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NCWE-101 | 65.1 | 1 | 81 | 81 | 63.4 | 81 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 67.9 | 2 | 81.1 | 81 | 63.4 | 81.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 70.7 | 3 | 81.1 | 81 | 63.4 | 81.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 73.5 | 4 | 81.1 | 81 | 63.4 | 81.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 76.3 | 5 | 80.9 | 80.8 | 63.2 | 80.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 79.1 | 6 | 80.8 | 80.7 | 63.1 | 80.8 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 81.9 | 7 | 80.5 | 80.5 | 63 | 80.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 84.7 | 8 | 80.3 | 80.2 | 62.8 | 80.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 87.5 | 9 | 80.1 | 80 | 62.6 | 80.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 90.3 | 10 | 79.9 | 79.8 | 62.4 | 79.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 93.1 | 11 | 79.6 | 79.5 | 62.2 | 79.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 95.9 | 12 | 79.4 | 79.3 | 62 | 79.4 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 98.7 | 13 | 79.1 | 79 | 61.8 | 79.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 101.5 | 14 | 78.9 | 78.9 | 61.6 | 78.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 104.3 | 15 | 78.7 | 78.6 | 61.4 | 78.7 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 107.1 | 16 | 78.5 | 78.4 | 61.2 | 78.5 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 109.9 | 17 | 78.3 | 78.2 | 61 | 78.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 112.7 | 18 | 78.1 | 78 | 60.8 | 78.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 115.5 | 19 | 77.9 | 77.8 | 60.6 | 77.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 118.3 | 20 | 77.7 | 77.7 | 60.4 | 77.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 121.1 | 21 | 77.6 | 77.5 | 60.3 | 77.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 123.9 | 22 | 77.4 | 77.3 | 60.1 | 77.4 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 126.7 | 23 | 77.2 | 77.1 | 59.9 | 77.2 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 129.5 | 24 | 77.1 | 77 | 59.7 | 77.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-101 | 132.3 | 25 | 76.9 | 76.9 | 59.6 | 76.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-102 | 65.1 | 1 | 76.4 | 76.2 | 63.5 | 76.4 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 67.9 | 2 | 76.5 | 76.3 | 63.5 | 76.5 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 70.7 | 3 | 76.5 | 76.2 | 63.5 | 76.5 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 73.5 | 4 | 76.4 | 76.2 | 63.4 | 76.4 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 76.3 | 5 | 76.4 | 76.1 | 63.4 | 76.4 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 79.1 | 6 | 76.3 | 76.1 | 63.4 | 76.3 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 81.9 | 7 | 76.2 | 76 | 63.3 | 76.2 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 84.7 | 8 | 76.1 | 75.9 | 63.2 | 76.1 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 87.5 | 9 | 76 | 75.8 | 63.1 | 76 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 90.3 | 10 | 75.9 | 75.6 | 63 | 75.9 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 93.1 | 11 | 75.8 | 75.5 | 62.9 | 75.8 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 95.9 | 12 | 75.6 | 75.4 | 62.8 | 75.6 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 98.7 | 13 | 75.4 | 75.2 | 62.7 | 75.4 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 101.5 | 14 | 75.3 | 75.1 | 62.5 | 75.3 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 104.3 | 15 | 75.2 | 74.9 | 62.3 | 75.2 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 107.1 | 16 | 75 | 74.8 | 62.2 | 75 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 109.9 | 17 | 74.9 | 74.6 | 62 | 74.9 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 112.7 | 18 | 74.7 | 74.5 | 61.9 | 74.7 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 115.5 | 19 | 74.6 | 74.3 | 61.8 | 74.6 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 118.3 | 20 | 74.4 | 74.2 | 61.6 | 74.4 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 121.1 | 21 | 74.3 | 74.1 | 61.5 | 74.3 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 123.9 | 22 | 74.1 | 73.9 | 61.4 | 74.1 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 126.7 | 23 | 74 | 73.8 | 61.2 | 74 | 70 | Y | 0.2 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 129.5 | 24 | 73.9 | 73.6 | 61.1 | 73.9 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-102 | 132.3 | 25 | 73.8 | 73.5 | 61 | 73.8 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 65.1 | 1 | 75.8 | 75.5 | 63.4 | 75.8 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 67.9 | 2 | 75.9 | 75.6 | 63.6 | 75.9 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 70.7 | 3 | 76 | 75.7 | 64.1 | 76 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 73.5 | 4 | 76.1 | 75.8 | 64.5 | 76.1 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 76.3 | 5 | 76.1 | 75.8 | 64.5 | 76.1 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 79.1 | 6 | 76.2 | 75.9 | 64.5 | 76.2 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 81.9 | 7 | 76.1 | 75.8 | 64.4 | 76.1 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 84.7 | 8 | 76 | 75.7 | 64.3 | 76 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 87.5 | 9 | 76 | 75.7 | 64.3 | 76 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 90.3 | 10 | 75.9 | 75.6 | 64.2 | 75.9 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 93.1 | 11 | 75.8 | 75.5 | 64 | 75.8 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 95.9 | 12 | 75.7 | 75.4 | 63.9 | 75.7 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 98.7 | 13 | 75.6 | 75.3 | 63.9 | 75.6 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 101.5 | 14 | 75.5 | 75.1 | 63.8 | 75.5 | 70 | Y | 0.4 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 104.3 | 15 | 75.3 | 75 | 63.6 | 75.3 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 107.1 | 16 | 75.2 | 74.9 | 63.5 | 75.2 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 109.9 | 17 | 75.1 | 74.8 | 63.4 | 75.1 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 112.7 | 18 | 75 | 74.7 | 63.3 | 75 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 115.5 | 19 | 74.8 | 74.5 | 63.2 | 74.8 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 118.3 | 20 | 74.7 | 74.4 | 63.1 | 74.7 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 121.1 | 21 | 74.6 | 74.3 | 62.9 | 74.6 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 123.9 | 22 | 74.5 | 74.2 | 62.8 | 74.5 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 126.7 | 23 | 74.4 | 74 | 62.7 | 74.4 | 70 | Y | 0.4 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 129.5 | 24 | 74.3 | 73.9 | 62.6 | 74.3 | 70 | Y | 0.4 | N | N | N | 4 | 0 | 0 |
| NCWE-103 | 132.3 | 25 | 74.1 | 73.8 | 62.4 | 74.1 | 70 | Y | 0.3 | N | N | N | 4 | 0 | 0 |
| NCWE-104 | 65.1 | 1 | 74.5 | 74.3 | 59.9 | 74.5 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 67.9 | 2 | 74.7 | 74.5 | 60.3 | 74.7 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 70.7 | 3 | 74.8 | 74.6 | 60.9 | 74.8 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 73.5 | 4 | 75 | 74.8 | 62.2 | 75 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 76.3 | 5 | 75.2 | 74.9 | 63.1 | 75.2 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NCWE-104 | 79.1 | 6 | 75.4 | 75.1 | 63.9 | 75.4 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 81.9 | 7 | 75.6 | 75.2 | 64.4 | 75.6 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 84.7 | 8 | 75.6 | 75.3 | 64.6 | 75.6 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 87.5 | 9 | 75.7 | 75.3 | 64.6 | 75.7 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 90.3 | 10 | 75.7 | 75.3 | 64.6 | 75.7 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 93.1 | 11 | 75.7 | 75.3 | 64.5 | 75.7 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 95.9 | 12 | 75.7 | 75.3 | 64.4 | 75.7 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 98.7 | 13 | 75.6 | 75.3 | 64.3 | 75.6 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 101.5 | 14 | 75.6 | 75.2 | 64.3 | 75.6 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 104.3 | 15 | 75.5 | 75.2 | 64.2 | 75.5 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 107.1 | 16 | 75.4 | 75.1 | 64.2 | 75.4 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 109.9 | 17 | 75.3 | 75 | 64.1 | 75.3 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 112.7 | 18 | 75.2 | 74.9 | 64 | 75.2 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 115.5 | 19 | 75.1 | 74.8 | 63.9 | 75.1 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 118.3 | 20 | 75 | 74.7 | 63.8 | 75 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 121.1 | 21 | 74.9 | 74.6 | 63.7 | 74.9 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 123.9 | 22 | 74.8 | 74.5 | 63.6 | 74.8 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 126.7 | 23 | 74.7 | 74.4 | 63.6 | 74.7 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 129.5 | 24 | 74.6 | 74.2 | 63.5 | 74.6 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-104 | 132.3 | 25 | 74.5 | 74.1 | 63.4 | 74.5 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-201 | 51.2 | 1 | 81.2 | 81.2 | 48.2 | 81.2 | 70 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NCWE-201 | 54 | 2 | 81.3 | 81.3 | 48.5 | 81.3 | 70 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NCWE-201 | 56.8 | 3 | 81.5 | 81.5 | 48.8 | 81.5 | 70 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NCWE-201 | 59.6 | 4 | 81.5 | 81.5 | 49.1 | 81.5 | 70 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NCWE-301 | 85.3 | 1 | 72.8 | 72.8 | 52.3 | 72.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 88.1 | 2 | 72.9 | 72.9 | 53.6 | 72.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 90.9 | 3 | 73 | 72.9 | 54.8 | 73 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 93.7 | 4 | 73 | 72.9 | 56 | 73 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 96.5 | 5 | 73 | 72.9 | 57.3 | 73 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 99.3 | 6 | 73 | 72.9 | 58.5 | 73 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 102.1 | 7 | 73 | 72.8 | 59.1 | 73 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 104.9 | 8 | 72.9 | 72.7 | 59.7 | 72.9 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 107.7 | 9 | 72.9 | 72.6 | 60 | 72.9 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 110.5 | 10 | 72.8 | 72.6 | 60.2 | 72.8 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 113.3 | 11 | 72.7 | 72.4 | 60.4 | 72.7 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 116.1 | 12 | 72.6 | 72.3 | 60.6 | 72.6 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 118.9 | 13 | 72.5 | 72.2 | 60.6 | 72.5 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 121.7 | 14 | 72.4 | 72.1 | 60.6 | 72.4 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 124.5 | 15 | 72.3 | 72 | 60.6 | 72.3 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 127.3 | 16 | 72.2 | 71.9 | 60.7 | 72.2 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 130.1 | 17 | 72.1 | 71.8 | 60.7 | 72.1 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 132.9 | 18 | 72.1 | 71.7 | 60.7 | 72.1 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 135.7 | 19 | 72 | 71.7 | 60.9 | 72 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NCWE-301 | 138.5 | 20 | 72 | 71.6 | 61.1 | 72 | 70 | Y | 0.4 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 85.3 | 1 | 77.2 | 77.2 | 56.2 | 77.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 88.1 | 2 | 77.1 | 77 | 57.1 | 77.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 90.9 | 3 | 76.9 | 76.9 | 57.9 | 76.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 93.7 | 4 | 76.7 | 76.7 | 58.6 | 76.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 96.5 | 5 | 76.6 | 76.5 | 59.3 | 76.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 99.3 | 6 | 76.4 | 76.3 | 59.9 | 76.4 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 102.1 | 7 | 76.2 | 76 | 60.4 | 76.2 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 104.9 | 8 | 76 | 75.8 | 60.8 | 76 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 107.7 | 9 | 75.8 | 75.6 | 61 | 75.8 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 110.5 | 10 | 75.6 | 75.4 | 61.2 | 75.6 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 113.3 | 11 | 75.4 | 75.2 | 61.4 | 75.4 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 116.1 | 12 | 75.3 | 75.1 | 61.6 | 75.3 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 118.9 | 13 | 75.1 | 74.9 | 61.7 | 75.1 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 121.7 | 14 | 74.9 | 74.7 | 61.7 | 74.9 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 124.5 | 15 | 74.8 | 74.6 | 61.8 | 74.8 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 127.3 | 16 | 74.6 | 74.4 | 61.8 | 74.6 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 130.1 | 17 | 74.5 | 74.3 | 61.8 | 74.5 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 132.9 | 18 | 74.4 | 74.2 | 61.9 | 74.4 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 135.7 | 19 | 74.3 | 74.1 | 62 | 74.3 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NCWE-302 | 138.5 | 20 | 74.3 | 74 | 62 | 74.3 | 70 | Y | 0.3 | N | N | N | 5 | 0 | 0 |
| NGHS-101 | 115.9 | 1 | 61.8 | 61.7 | 43.9 | 61.8 | 65 | N | 0.1 | N | N | N | 10 | 0 | 0 |
| NGHS-101 | 118.7 | 2 | 63.1 | 63 | 46 | 63.1 | 65 | N | 0.1 | N | N | N | 10 | 0 | 0 |
| NGHS-101 | 121.5 | 3 | 64.9 | 64.7 | 48.4 | 64.8 | 65 | N | 0.1 | N | N | N | 10 | 0 | 0 |
| NGHS-101 | 124.3 | 4 | 65.9 | 65.6 | 51.1 | 65.8 | 65 | Y | 0.2 | N | N | N | 10 | 0 | 0 |
| NGHS-101 | 127.1 | 5 | 66.6 | 66.3 | 54 | 66.5 | 65 | Y | 0.2 | N | N | N | 10 | 0 | 0 |
| NGHS-101 | 129.9 | 6 | 67.7 | 67.1 | 57.7 | 67.6 | 65 | Y | 0.5 | N | N | N | 10 | 0 | 0 |
| NGHS-201 | 105.6 | 1 | 60.5 | 60.5 | 37 | 60.5 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NGHS-201 | 108.4 | 2 | 60.9 | 60.8 | 38.6 | 60.8 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NGHS-201 | 111.2 | 3 | 61.3 | 61.2 | 40.5 | 61.3 | 65 | N | 0.1 | N | N | N | 5 | 0 | 0 |
| NGHS-201 | 114 | 4 | 61.8 | 61.7 | 42.8 | 61.8 | 65 | N | 0.1 | N | N | N | 5 | 0 | 0 |
| NGHS-301 | 115.9 | 1 | 64.3 | 64.2 | 43 | 64.3 | 65 | N | 0.1 | N | N | N | 10 | 0 | 0 |
| NGHS-301 | 118.7 | 2 | 65.5 | 65.5 | 44.9 | 65.5 | 65 | Y | 0 | N | N | N | 10 | 0 | 0 |
| NGHS-301 | 121.5 | 3 | 67.9 | 67.8 | 46.8 | 67.9 | 65 | Y | 0.1 | N | N | N | 10 | 0 | 0 |
| NGHS-301 | 124.3 | 4 | 68.9 | 68.8 | 48.8 | 68.9 | 65 | Y | 0.1 | N | N | N | 10 | 0 | 0 |
| NGHS-301 | 127.1 | 5 | 69.5 | 69.5 | 50.9 | 69.5 | 65 | Y | 0 | N | N | N | 10 | 0 | 0 |
| NGHS-301 | 129.9 | 6 | 70.2 | 70.1 | 53.3 | 70.2 | 65 | Y | 0.1 | N | N | N | 10 | 0 | 0 |
| NGHS-301 | 132.7 | 7 | 71 | 70.8 | 56.2 | 71 | 65 | Y | 0.2 | N | N | N | 10 | 0 | 0 |
| NGHS-301 | 135.5 | 8 | 72 | 71.8 | 59.1 | 72 | 65 | Y | 0.2 | N | N | N | 10 | 0 | 0 |
| NKSP-101 | 114.7 | 1 | 73.5 | 71.9 | 58.9 | 72.1 | 65 | Y | 0.2 | N | N | N | 1 | 1 | 0 |
| NKSP-101 | 117.5 | 2 | 74.4 | 72.9 | 60.1 | 73.1 | 65 | Y | 0.2 | N | N | N | 1 | 1 | 0 |
| NKSP-101 | 120.3 | 3 | 75.1 | 74 | 61 | 74.2 | 65 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NKSP-101 | 123.1 | 4 | 75.7 | 75 | 61.5 | 75.2 | 65 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NKSP-101 | 125.9 | 5 | 75.9 | 75.5 | 61.9 | 75.7 | 65 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NKSP-101 | 128.7 | 6 | 76 | 75.7 | 62.3 | 75.9 | 65 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NKSP-102 | 114.7 | 1 | 74.5 | 73.1 | 61 | 73.4 | 65 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NKSP-102 | 117.5 | 2 | 75.4 | 74.1 | 62.2 | 74.4 | 65 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NKSP-102 | 120.3 | 3 | 76.1 | 75.1 | 62.8 | 75.4 | 65 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NKSP-102 | 123.1 | 4 | 76.7 | 76.1 | 63.2 | 76.3 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NKSP-102 | 125.9 | 5 | 76.9 | 76.5 | 63.5 | 76.7 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NKSP-102 | 128.7 | 6 | 77 | 76.7 | 63.8 | 76.9 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NKTG-101 | 126.8 | 1 | 56.6 | 55.7 | 52 | 57.2 | 65 | N | 1.5 | Y | N | N | 1 | 0 | 0 |
| NKTG-101 | 129.8 | 2 | 57.5 | 56.6 | 52.9 | 58.1 | 65 | N | 1.5 | Y | N | N | 1 | 0 | 0 |
| NKTG-101 | 132.8 | 3 | 58.2 | 57.3 | 53.7 | 58.9 | 65 | N | 1.6 | Y | N | N | 1 | 0 | 0 |
| NKTG-101 | 135.8 | 4 | 59 | 58 | 54.4 | 59.6 | 65 | N | 1.6 | Y | N | N | 1 | 0 | 0 |
| NKTG-101 | 138.8 | 5 | 59.7 | 58.8 | 55.1 | 60.3 | 65 | N | 1.5 | Y | N | N | 1 | 0 | 0 |
| NKTG-101 | 141.8 | 6 | 60.5 | 59.5 | 55.9 | 61.1 | 65 | N | 1.6 | Y | N | N | 1 | 0 | 0 |
| NKTG-102 | 126.8 | 1 | 56.6 | 56.1 | 48.4 | 56.8 | 65 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NKTG-102 | 129.8 | 2 | 57.2 | 56.8 | 49.1 | 57.5 | 65 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NKTG-102 | 132.8 | 3 | 58 | 57.5 | 49.9 | 58.2 | 65 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NKTG-102 | 135.8 | 4 | 58.8 | 58.3 | 50.7 | 59 | 65 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NKTG-102 | 138.8 | 5 | 59.7 | 59.2 | 51.6 | 59.9 | 65 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NKTG-102 | 141.8 | 6 | 60.7 | 60.1 | 52.6 | 60.8 | 65 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NLEP-01 | 185.7 | 1 | 72.2 | 71.8 | 63.9 | 72.5 | 70 | Y | 0.7 | N | N | N | 4 | 0 | 0 |
| NLEP-01 | 188.7 | 2 | 72.6 | 72.2 | 64.4 | 72.8 | 70 | Y | 0.6 | N | N | N | 4 | 0 | 0 |
| NLEP-01 | 191.7 | 3 | 72.6 | 72.1 | 64.5 | 72.8 | 70 | Y | 0.7 | N | N | N | 4 | 0 | 0 |
| NSBC-101 | 119.6 | 1 | 76 | 76 | 45 | 76 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NSCC-101 | 131.6 | 1 | 52.2 | 50.5 | 48.5 | 52.6 | 70 | N | 2.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 134.4 | 2 | 52.8 | 51.1 | 49 | 53.2 | 70 | N | 2.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 137.2 | 3 | 53.4 | 51.6 | 49.7 | 53.8 | 70 | N | 2.2 | Y | N | N | 3 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSCC-101 | 140 | 4 | 54 | 52.2 | 50.4 | 54.4 | 70 | N | 2.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 142.8 | 5 | 54.6 | 52.8 | 51 | 55 | 70 | N | 2.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 145.6 | 6 | 55.3 | 53.5 | 51.6 | 55.7 | 70 | N | 2.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 148.4 | 7 | 56 | 54.2 | 52.3 | 56.4 | 70 | N | 2.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 151.2 | 8 | 56.8 | 55 | 53.1 | 57.1 | 70 | N | 2.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 154 | 9 | 57.5 | 55.8 | 53.7 | 57.9 | 70 | N | 2.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 156.8 | 10 | 58.4 | 56.7 | 54.5 | 58.8 | 70 | N | 2.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 159.6 | 11 | 59.4 | 57.7 | 55.5 | 59.7 | 70 | N | 2 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 162.4 | 12 | 60.5 | 58.8 | 56.6 | 60.8 | 70 | N | 2 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 165.2 | 13 | 61.6 | 60.1 | 57.6 | 62 | 70 | N | 1.9 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 168 | 14 | 63 | 61.6 | 58.9 | 63.5 | 70 | N | 1.9 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 170.8 | 15 | 64.2 | 63 | 60 | 64.7 | 70 | N | 1.7 | Y | N | N | 3 | 0 | 0 |
| NSCC-101 | 173.6 | 16 | 65.4 | 64.3 | 61 | 66 | 70 | N | 1.7 | Y | N | N | 3 | 0 | 0 |
| NSCC-102 | 131.6 | 1 | 59.7 | 59 | 54.3 | 60.2 | 70 | N | 1.2 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 134.4 | 2 | 60.1 | 59.3 | 54.6 | 60.6 | 70 | N | 1.3 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 137.2 | 3 | 60.5 | 59.8 | 55.1 | 61 | 70 | N | 1.2 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 140 | 4 | 60.9 | 60.1 | 55.6 | 61.4 | 70 | N | 1.3 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 142.8 | 5 | 61.3 | 60.5 | 56.2 | 61.9 | 70 | N | 1.4 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 145.6 | 6 | 61.8 | 60.9 | 56.8 | 62.4 | 70 | N | 1.5 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 148.4 | 7 | 62.3 | 61.4 | 57.5 | 62.9 | 70 | N | 1.5 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 151.2 | 8 | 62.9 | 61.9 | 58.2 | 63.4 | 70 | N | 1.5 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 154 | 9 | 63.5 | 62.5 | 58.8 | 64 | 70 | N | 1.5 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 156.8 | 10 | 64.2 | 63 | 59.6 | 64.6 | 70 | N | 1.6 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 159.6 | 11 | 64.8 | 63.6 | 60.4 | 65.3 | 70 | N | 1.7 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 162.4 | 12 | 65.6 | 64.2 | 61.3 | 66 | 70 | N | 1.8 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 165.2 | 13 | 66.2 | 64.9 | 61.9 | 66.7 | 70 | N | 1.8 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 168 | 14 | 67 | 65.7 | 62.9 | 67.5 | 70 | N | 1.8 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 170.8 | 15 | 67.7 | 66.3 | 63.6 | 68.2 | 70 | N | 1.9 | Y | N | N | 4 | 0 | 0 |
| NSCC-102 | 173.6 | 16 | 68.4 | 67.1 | 64.4 | 69 | 70 | N | 1.9 | Y | N | N | 4 | 0 | 0 |
| NSCC-103 | 131.6 | 1 | 62.3 | 62 | 54.1 | 62.6 | 70 | N | 0.6 | N | N | N | 3 | 0 | 0 |
| NSCC-103 | 134.4 | 2 | 62.5 | 62.1 | 54.5 | 62.8 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-103 | 137.2 | 3 | 62.7 | 62.3 | 55 | 63 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-103 | 140 | 4 | 62.9 | 62.4 | 55.6 | 63.2 | 70 | N | 0.8 | N | N | N | 3 | 0 | 0 |
| NSCC-103 | 142.8 | 5 | 63.2 | 62.6 | 56.2 | 63.5 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-103 | 145.6 | 6 | 63.6 | 63 | 56.9 | 64 | 70 | N | 1 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 148.4 | 7 | 64.3 | 63.6 | 57.9 | 64.7 | 70 | N | 1.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 151.2 | 8 | 65.2 | 64.4 | 58.8 | 65.5 | 70 | N | 1.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 154 | 9 | 65.8 | 65 | 59.5 | 66.1 | 70 | N | 1.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 156.8 | 10 | 66.3 | 65.5 | 60.2 | 66.6 | 70 | N | 1.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 159.6 | 11 | 66.9 | 66 | 61 | 67.2 | 70 | N | 1.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 162.4 | 12 | 67.4 | 66.5 | 61.7 | 67.7 | 70 | N | 1.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 165.2 | 13 | 67.9 | 66.9 | 62.3 | 68.2 | 70 | N | 1.3 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 168 | 14 | 68.4 | 67.3 | 63.1 | 68.7 | 70 | N | 1.4 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 170.8 | 15 | 68.8 | 67.7 | 63.7 | 69.1 | 70 | N | 1.4 | Y | N | N | 3 | 0 | 0 |
| NSCC-103 | 173.6 | 16 | 69.2 | 68 | 64.4 | 69.6 | 70 | N | 1.6 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 131.6 | 1 | 61.6 | 61.2 | 54 | 61.9 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-104 | 134.4 | 2 | 61.8 | 61.4 | 54.4 | 62.1 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-104 | 137.2 | 3 | 62 | 61.5 | 54.9 | 62.4 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-104 | 140 | 4 | 62.2 | 61.7 | 55.5 | 62.6 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-104 | 142.8 | 5 | 62.5 | 61.9 | 56.1 | 62.9 | 70 | N | 1 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 145.6 | 6 | 63 | 62.3 | 56.8 | 63.4 | 70 | N | 1.1 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 148.4 | 7 | 63.7 | 62.9 | 57.8 | 64.1 | 70 | N | 1.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 151.2 | 8 | 64.6 | 63.7 | 58.9 | 64.9 | 70 | N | 1.2 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 154 | 9 | 65.2 | 64.2 | 59.6 | 65.5 | 70 | N | 1.3 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 156.8 | 10 | 65.7 | 64.6 | 60.4 | 66 | 70 | N | 1.4 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 159.6 | 11 | 66.1 | 65 | 61.1 | 66.5 | 70 | N | 1.5 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 162.4 | 12 | 66.7 | 65.5 | 61.8 | 67 | 70 | N | 1.5 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 165.2 | 13 | 67.1 | 65.9 | 62.4 | 67.5 | 70 | N | 1.6 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 168 | 14 | 67.7 | 66.4 | 63.2 | 68.1 | 70 | N | 1.7 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 170.8 | 15 | 68.1 | 66.7 | 63.8 | 68.5 | 70 | N | 1.8 | Y | N | N | 3 | 0 | 0 |
| NSCC-104 | 173.6 | 16 | 68.5 | 67.1 | 64.5 | 69 | 70 | N | 1.9 | Y | N | N | 3 | 0 | 0 |
| NSCC-201 | 124 | 1 | 56.5 | 56.4 | 42.5 | 56.6 | 70 | N | 0.2 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 126.8 | 2 | 56.8 | 56.7 | 43.1 | 56.9 | 70 | N | 0.2 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 129.6 | 3 | 57.3 | 57.2 | 43.8 | 57.4 | 70 | N | 0.2 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 132.4 | 4 | 57.7 | 57.5 | 44.6 | 57.8 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 135.2 | 5 | 58.1 | 57.9 | 45.5 | 58.1 | 70 | N | 0.2 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 138 | 6 | 58.6 | 58.4 | 46.7 | 58.6 | 70 | N | 0.2 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 140.8 | 7 | 59.3 | 59 | 48 | 59.3 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 143.6 | 8 | 60.2 | 59.9 | 49.9 | 60.3 | 70 | N | 0.4 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 146.4 | 9 | 61.3 | 60.9 | 51.9 | 61.4 | 70 | N | 0.5 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 149.2 | 10 | 62.2 | 61.6 | 53.1 | 62.2 | 70 | N | 0.6 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 152 | 11 | 62.7 | 62.2 | 53.9 | 62.8 | 70 | N | 0.6 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 154.8 | 12 | 63.2 | 62.6 | 54.4 | 63.2 | 70 | N | 0.6 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 157.6 | 13 | 63.6 | 63 | 55 | 63.7 | 70 | N | 0.7 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 160.4 | 14 | 64.1 | 63.5 | 55.4 | 64.2 | 70 | N | 0.7 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 163.2 | 15 | 64.6 | 64.1 | 56.3 | 64.7 | 70 | N | 0.6 | N | N | N | 4 | 0 | 0 |
| NSCC-201 | 166 | 16 | 65.3 | 64.7 | 57.6 | 65.5 | 70 | N | 0.8 | N | N | N | 4 | 0 | 0 |
| NSCC-202 | 124 | 1 | 51.4 | 50.9 | 43.2 | 51.6 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 126.8 | 2 | 51.9 | 51.4 | 43.7 | 52 | 70 | N | 0.6 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 129.6 | 3 | 52.4 | 51.8 | 44.2 | 52.5 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 132.4 | 4 | 52.8 | 52.3 | 44.8 | 53 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 135.2 | 5 | 53.3 | 52.8 | 45.3 | 53.5 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 138 | 6 | 53.9 | 53.3 | 46 | 54 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 140.8 | 7 | 54.4 | 53.8 | 46.6 | 54.6 | 70 | N | 0.8 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 143.6 | 8 | 55 | 54.4 | 47.2 | 55.2 | 70 | N | 0.8 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 146.4 | 9 | 55.6 | 55 | 47.9 | 55.8 | 70 | N | 0.8 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 149.2 | 10 | 56.3 | 55.7 | 48.7 | 56.4 | 70 | N | 0.7 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 152 | 11 | 57 | 56.3 | 49.5 | 57.2 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 154.8 | 12 | 57.7 | 57 | 50.4 | 57.9 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 157.6 | 13 | 58.5 | 57.8 | 51.5 | 58.7 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 160.4 | 14 | 59.3 | 58.7 | 52.3 | 59.6 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 163.2 | 15 | 60.3 | 59.7 | 53.5 | 60.6 | 70 | N | 0.9 | N | N | N | 3 | 0 | 0 |
| NSCC-202 | 166 | 16 | 61.3 | 60.7 | 55 | 61.7 | 70 | N | 1 | Y | N | N | 3 | 0 | 0 |
| NSCC-301 | 124.1 | 1 | 58.9 | 58.6 | 46.5 | 58.9 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 126.9 | 2 | 59.6 | 59.3 | 47.4 | 59.6 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 129.7 | 3 | 60.4 | 60.1 | 48.2 | 60.4 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 132.5 | 4 | 61.3 | 61 | 49.2 | 61.3 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 135.3 | 5 | 62.3 | 62.1 | 50.3 | 62.4 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 138.1 | 6 | 63.5 | 63.2 | 51.6 | 63.5 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 140.9 | 7 | 64.5 | 64.2 | 53.1 | 64.6 | 70 | N | 0.4 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 143.7 | 8 | 65.6 | 65.3 | 54.7 | 65.6 | 70 | N | 0.3 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 146.5 | 9 | 66.5 | 66.1 | 56.5 | 66.6 | 70 | N | 0.5 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 149.3 | 10 | 67.5 | 67 | 58.4 | 67.5 | 70 | N | 0.5 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 152.1 | 11 | 68.4 | 67.8 | 59.9 | 68.4 | 70 | N | 0.6 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 154.9 | 12 | 69.3 | 68.7 | 61 | 69.3 | 70 | N | 0.6 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 157.7 | 13 | 70.1 | 69.5 | 61.9 | 70.2 | 70 | N | 0.7 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 160.5 | 14 | 70.8 | 70.2 | 62.6 | 70.9 | 70 | Y | 0.7 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 163.3 | 15 | 71.5 | 71 | 63.1 | 71.6 | 70 | Y | 0.6 | N | N | N | 4 | 0 | 0 |
| NSCC-301 | 166.1 | 16 | 72.1 | 71.5 | 63.4 | 72.2 | 70 | Y | 0.7 | N | N | N | 4 | 0 | 0 |
| NSCC-302 | 124.1 | 1 | 61.4 | 61.3 | 46.4 | 61.4 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 126.9 | 2 | 61.9 | 61.8 | 47.2 | 62 | 70 | N | 0.2 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 129.7 | 3 | 62.6 | 62.4 | 48.1 | 62.6 | 70 | N | 0.2 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 132.5 | 4 | 63.3 | 63.2 | 49.1 | 63.3 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSCC-302 | 135.3 | 5 | 64.2 | 64 | 50.2 | 64.2 | 70 | N | 0.2 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 138.1 | 6 | 65.1 | 64.9 | 51.4 | 65.1 | 70 | N | 0.2 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 140.9 | 7 | 65.9 | 65.7 | 53 | 65.9 | 70 | N | 0.2 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 143.7 | 8 | 66.8 | 66.5 | 54.6 | 66.8 | 70 | N | 0.3 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 146.5 | 9 | 67.6 | 67.3 | 56.4 | 67.6 | 70 | N | 0.3 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 149.3 | 10 | 68.4 | 68 | 58.1 | 68.5 | 70 | N | 0.5 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 152.1 | 11 | 69.2 | 68.8 | 59.4 | 69.3 | 70 | N | 0.5 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 154.9 | 12 | 70 | 69.5 | 60.5 | 70.1 | 70 | N | 0.6 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 157.7 | 13 | 70.7 | 70.2 | 61.4 | 70.7 | 70 | Y | 0.5 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 160.5 | 14 | 71.4 | 70.9 | 62.1 | 71.5 | 70 | Y | 0.6 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 163.3 | 15 | 72 | 71.6 | 62.5 | 72.1 | 70 | Y | 0.5 | N | N | N | 3 | 0 | 0 |
| NSCC-302 | 166.1 | 16 | 72.5 | 72 | 62.8 | 72.5 | 70 | Y | 0.5 | N | N | N | 3 | 0 | 0 |
| NSJA-101 | 67.2 | 1 | 76.3 | 76.2 | 61.3 | 76.3 | 65 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSJA-101 | 70.2 | 2 | 76.4 | 76.2 | 61.7 | 76.4 | 65 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSJA-101 | 73.2 | 3 | 76.4 | 76.2 | 62.1 | 76.4 | 65 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSJA-101 | 76.2 | 4 | 76.4 | 76.2 | 62.2 | 76.4 | 65 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSJA-101 | 79.2 | 5 | 76.3 | 76.1 | 62.2 | 76.3 | 65 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSJA-101 | 82.2 | 6 | 76.2 | 76.1 | 62.2 | 76.2 | 65 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSJA-101 | 85.2 | 7 | 76.1 | 76 | 62.2 | 76.1 | 65 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSJA-101 | 88.2 | 8 | 76.1 | 75.9 | 62.1 | 76.1 | 65 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLC-101 | 126.8 | 1 | 58.1 | 57.4 | 51.4 | 58.4 | 65 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NSLC-101 | 129.8 | 2 | 58.8 | 58.1 | 52 | 59.1 | 65 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NSLC-101 | 132.8 | 3 | 59.5 | 58.8 | 52.7 | 59.8 | 65 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NSLC-101 | 135.8 | 4 | 60.3 | 59.6 | 53.4 | 60.6 | 65 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NSLC-101 | 138.8 | 5 | 61.2 | 60.5 | 54.3 | 61.4 | 65 | N | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLC-101 | 141.8 | 6 | 62.3 | 61.6 | 55.1 | 62.5 | 65 | N | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLC-102 | 126.8 | 1 | 57 | 56.3 | 51.3 | 57.5 | 65 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NSLC-102 | 129.8 | 2 | 57.6 | 56.9 | 51.9 | 58.1 | 65 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NSLC-102 | 132.8 | 3 | 58.3 | 57.6 | 52.6 | 58.8 | 65 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NSLC-102 | 135.8 | 4 | 59 | 58.2 | 53.4 | 59.5 | 65 | N | 1.3 | Y | N | N | 2 | 0 | 0 |
| NSLC-102 | 138.8 | 5 | 59.9 | 59 | 54.4 | 60.3 | 65 | N | 1.3 | Y | N | N | 2 | 0 | 0 |
| NSLC-102 | 141.8 | 6 | 60.8 | 59.9 | 55.5 | 61.2 | 65 | N | 1.3 | Y | N | N | 2 | 0 | 0 |
| NSLD-101 | 145 | 1 | 74 | 72.7 | 62 | 73.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 147.8 | 2 | 73.9 | 72.5 | 62.1 | 72.9 | 70 | Y | 0.4 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 150.6 | 3 | 73.7 | 72.3 | 62.2 | 72.7 | 70 | Y | 0.4 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 153.4 | 4 | 73.6 | 72.1 | 62.3 | 72.5 | 70 | Y | 0.4 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 156.2 | 5 | 73.5 | 71.9 | 62.4 | 72.4 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 159 | 6 | 73.5 | 71.8 | 62.6 | 72.3 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 161.8 | 7 | 73.4 | 71.7 | 62.8 | 72.2 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 164.6 | 8 | 73.3 | 71.6 | 62.9 | 72.1 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 167.4 | 9 | 73.3 | 71.5 | 63.1 | 72.1 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 170.2 | 10 | 73.2 | 71.4 | 63.2 | 72.1 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 173 | 11 | 73.2 | 71.4 | 63.4 | 72 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 175.8 | 12 | 73.1 | 71.3 | 63.4 | 72 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 178.6 | 13 | 73 | 71.2 | 63.5 | 71.9 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 181.4 | 14 | 73 | 71.2 | 63.5 | 71.9 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 184.2 | 15 | 72.9 | 71.1 | 63.6 | 71.8 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 187 | 16 | 72.9 | 71.1 | 63.6 | 71.8 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 189.8 | 17 | 72.8 | 71 | 63.6 | 71.8 | 70 | Y | 0.8 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 192.6 | 18 | 72.7 | 71 | 63.6 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 195.4 | 19 | 72.7 | 71 | 63.5 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-101 | 198.2 | 20 | 72.6 | 71 | 63.5 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 201 | 21 | 72.6 | 70.9 | 63.5 | 71.7 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 203.8 | 22 | 72.5 | 70.9 | 63.5 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 206.6 | 23 | 72.5 | 70.9 | 63.4 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 209.4 | 24 | 72.4 | 70.9 | 63.4 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 212.2 | 25 | 72.4 | 70.9 | 63.4 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 215 | 26 | 72.3 | 70.9 | 63.3 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 217.8 | 27 | 72.3 | 70.9 | 63.3 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 220.6 | 28 | 72.2 | 70.9 | 63.2 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 223.4 | 29 | 72.2 | 70.9 | 63.2 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 226.2 | 30 | 72.1 | 70.9 | 63.2 | 71.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 229 | 31 | 72.1 | 70.8 | 63.1 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 231.8 | 32 | 72 | 70.8 | 63.1 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 234.6 | 33 | 72 | 70.8 | 63 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 237.4 | 34 | 71.9 | 70.7 | 63 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 240.2 | 35 | 71.9 | 70.7 | 63 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 243 | 36 | 71.8 | 70.7 | 62.9 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 245.8 | 37 | 71.8 | 70.7 | 62.9 | 71.3 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 248.6 | 38 | 71.7 | 70.6 | 62.8 | 71.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 251.4 | 39 | 71.7 | 70.6 | 62.8 | 71.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-101 | 254.2 | 40 | 71.6 | 70.5 | 62.8 | 71.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 145 | 1 | 72.4 | 70.8 | 59.9 | 71.1 | 70 | Y | 0.3 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 147.8 | 2 | 72.6 | 71 | 60 | 71.4 | 70 | Y | 0.4 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 150.6 | 3 | 72.6 | 71 | 60.2 | 71.3 | 70 | Y | 0.3 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 153.4 | 4 | 72.5 | 70.8 | 60.4 | 71.2 | 70 | Y | 0.4 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 156.2 | 5 | 72.4 | 70.7 | 60.6 | 71.1 | 70 | Y | 0.4 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 159 | 6 | 72.4 | 70.6 | 60.8 | 71 | 70 | Y | 0.4 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 161.8 | 7 | 72.3 | 70.5 | 61.1 | 71 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 164.6 | 8 | 72.3 | 70.4 | 61.3 | 71 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 167.4 | 9 | 72.2 | 70.3 | 61.6 | 70.9 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 170.2 | 10 | 72.1 | 70.3 | 61.8 | 70.8 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 173 | 11 | 72.1 | 70.2 | 62 | 70.8 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 175.8 | 12 | 72 | 70.1 | 62.1 | 70.8 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 178.6 | 13 | 72 | 70.1 | 62.2 | 70.7 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 181.4 | 14 | 71.9 | 70 | 62.3 | 70.7 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 184.2 | 15 | 71.9 | 70 | 62.3 | 70.7 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 187 | 16 | 71.8 | 70 | 62.3 | 70.7 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 189.8 | 17 | 71.8 | 70 | 62.4 | 70.7 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 192.6 | 18 | 71.7 | 70 | 62.4 | 70.6 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 195.4 | 19 | 71.7 | 69.9 | 62.3 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 198.2 | 20 | 71.6 | 69.9 | 62.3 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-102 | 201 | 21 | 71.5 | 69.9 | 62.3 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 203.8 | 22 | 71.5 | 69.9 | 62.3 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 206.6 | 23 | 71.4 | 69.9 | 62.2 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 209.4 | 24 | 71.4 | 69.9 | 62.2 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 212.2 | 25 | 71.3 | 69.9 | 62.1 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 215 | 26 | 71.2 | 69.8 | 62.1 | 70.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 217.8 | 27 | 71.2 | 69.8 | 62.1 | 70.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 220.6 | 28 | 71.1 | 69.8 | 62.1 | 70.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 223.4 | 29 | 71.1 | 69.8 | 62 | 70.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-102 | 226.2 | 30 | 71 | 69.8 | 62 | 70.4 | 70 | N | 0.6 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 229 | 31 | 71 | 69.8 | 62 | 70.4 | 70 | N | 0.6 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 231.8 | 32 | 70.9 | 69.7 | 61.9 | 70.4 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 234.6 | 33 | 70.9 | 69.7 | 61.9 | 70.3 | 70 | N | 0.6 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 237.4 | 34 | 70.8 | 69.6 | 61.8 | 70.3 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 240.2 | 35 | 70.8 | 69.6 | 61.8 | 70.3 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 243 | 36 | 70.7 | 69.6 | 61.8 | 70.2 | 70 | N | 0.6 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 245.8 | 37 | 70.7 | 69.5 | 61.8 | 70.2 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 248.6 | 38 | 70.6 | 69.5 | 61.7 | 70.1 | 70 | N | 0.6 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 251.4 | 39 | 70.6 | 69.5 | 61.7 | 70.1 | 70 | N | 0.6 | N | N | N | 1 | 0 | 1 |
| NSLD-102 | 254.2 | 40 | 70.5 | 69.4 | 61.6 | 70.1 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-201 | 145 | 1 | 75.5 | 73.9 | 64.5 | 74.4 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-201 | 147.8 | 2 | 75.3 | 73.7 | 64.6 | 74.2 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 150.6 | 3 | 75.2 | 73.5 | 64.8 | 74.1 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 153.4 | 4 | 75.1 | 73.4 | 65 | 73.9 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 156.2 | 5 | 75 | 73.2 | 65.1 | 73.8 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 159 | 6 | 74.9 | 73.1 | 65.2 | 73.7 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 161.8 | 7 | 74.7 | 72.9 | 65.2 | 73.6 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 164.6 | 8 | 74.6 | 72.8 | 65.3 | 73.5 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 167.4 | 9 | 74.5 | 72.7 | 65.2 | 73.4 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 170.2 | 10 | 74.4 | 72.7 | 65.2 | 73.4 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 173 | 11 | 74.3 | 72.6 | 65.2 | 73.3 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-201 | 175.8 | 12 | 74.2 | 72.5 | 65.2 | 73.3 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 178.6 | 13 | 74.1 | 72.5 | 65.1 | 73.3 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 181.4 | 14 | 74.1 | 72.5 | 65.1 | 73.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 184.2 | 15 | 74 | 72.5 | 65.1 | 73.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 187 | 16 | 73.9 | 72.5 | 65 | 73.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 189.8 | 17 | 73.8 | 72.5 | 65 | 73.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 192.6 | 18 | 73.8 | 72.5 | 64.9 | 73.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 195.4 | 19 | 73.7 | 72.5 | 64.9 | 73.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 198.2 | 20 | 73.6 | 72.4 | 64.8 | 73.1 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 201 | 21 | 73.6 | 72.4 | 64.8 | 73 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 203.8 | 22 | 73.5 | 72.3 | 64.7 | 73 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 206.6 | 23 | 73.4 | 72.3 | 64.7 | 73 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 209.4 | 24 | 73.4 | 72.2 | 64.6 | 72.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 212.2 | 25 | 73.3 | 72.2 | 64.5 | 72.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 215 | 26 | 73.2 | 72.1 | 64.5 | 72.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 217.8 | 27 | 73.2 | 72 | 64.4 | 72.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 220.6 | 28 | 73.1 | 72 | 64.4 | 72.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 223.4 | 29 | 73 | 72 | 64.3 | 72.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 226.2 | 30 | 73 | 71.9 | 64.3 | 72.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 229 | 31 | 72.9 | 71.9 | 64.2 | 72.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 231.8 | 32 | 72.9 | 71.8 | 64.2 | 72.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 234.6 | 33 | 72.8 | 71.8 | 64.1 | 72.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 237.4 | 34 | 72.7 | 71.7 | 64 | 72.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 240.2 | 35 | 72.7 | 71.6 | 64 | 72.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 243 | 36 | 72.6 | 71.6 | 63.9 | 72.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 245.8 | 37 | 72.6 | 71.5 | 63.9 | 72.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 248.6 | 38 | 72.5 | 71.5 | 63.8 | 72.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 251.4 | 39 | 72.5 | 71.5 | 63.8 | 72.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-201 | 254.2 | 40 | 72.4 | 71.4 | 63.7 | 72.1 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 145 | 1 | 73.8 | 71.6 | 63 | 72.2 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 147.8 | 2 | 73.9 | 71.7 | 63.3 | 72.3 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 150.6 | 3 | 73.9 | 71.7 | 63.6 | 72.3 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 153.4 | 4 | 73.8 | 71.6 | 63.7 | 72.2 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 156.2 | 5 | 73.7 | 71.5 | 63.9 | 72.2 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 159 | 6 | 73.6 | 71.3 | 64 | 72.1 | 70 | Y | 0.8 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 161.8 | 7 | 73.5 | 71.3 | 64.1 | 72.1 | 70 | Y | 0.8 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 164.6 | 8 | 73.4 | 71.3 | 64.1 | 72 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 167.4 | 9 | 73.3 | 71.2 | 64.1 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 170.2 | 10 | 73.2 | 71.2 | 64.1 | 71.9 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 173 | 11 | 73.1 | 71.2 | 64.1 | 71.9 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 175.8 | 12 | 73 | 71.2 | 64.1 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 1 | 0 |
| NSLD-202 | 178.6 | 13 | 72.9 | 71.2 | 64.1 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 181.4 | 14 | 72.9 | 71.2 | 64 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 184.2 | 15 | 72.8 | 71.2 | 64 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 187 | 16 | 72.7 | 71.2 | 63.9 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 189.8 | 17 | 72.7 | 71.2 | 63.9 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 192.6 | 18 | 72.6 | 71.2 | 63.9 | 72 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 195.4 | 19 | 72.5 | 71.2 | 63.8 | 71.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 198.2 | 20 | 72.5 | 71.1 | 63.8 | 71.9 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 201 | 21 | 72.4 | 71.1 | 63.7 | 71.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 203.8 | 22 | 72.3 | 71 | 63.7 | 71.8 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 206.6 | 23 | 72.2 | 71 | 63.6 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 209.4 | 24 | 72.2 | 71 | 63.5 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 212.2 | 25 | 72.1 | 70.9 | 63.5 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 215 | 26 | 72 | 70.8 | 63.4 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 217.8 | 27 | 72 | 70.8 | 63.4 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 220.6 | 28 | 71.9 | 70.7 | 63.3 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 223.4 | 29 | 71.9 | 70.7 | 63.3 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 226.2 | 30 | 71.8 | 70.6 | 63.2 | 71.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 229 | 31 | 71.7 | 70.6 | 63.2 | 71.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 231.8 | 32 | 71.7 | 70.5 | 63.1 | 71.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 234.6 | 33 | 71.6 | 70.4 | 63.1 | 71.2 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 237.4 | 34 | 71.5 | 70.4 | 63 | 71.1 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 240.2 | 35 | 71.5 | 70.3 | 63 | 71.1 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 243 | 36 | 71.4 | 70.3 | 62.9 | 71 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 245.8 | 37 | 71.4 | 70.2 | 62.9 | 71 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 248.6 | 38 | 71.3 | 70.2 | 62.8 | 70.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 251.4 | 39 | 71.3 | 70.1 | 62.8 | 70.9 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-202 | 254.2 | 40 | 71.2 | 70.1 | 62.7 | 70.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 145 | 1 | 73.2 | 71.1 | 62.3 | 71.6 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 147.8 | 2 | 73.2 | 71.2 | 62.6 | 71.7 | 70 | Y | 0.5 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 150.6 | 3 | 73.2 | 71.2 | 62.8 | 71.8 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 153.4 | 4 | 73.1 | 71.1 | 63 | 71.7 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 156.2 | 5 | 73 | 71 | 63.1 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 159 | 6 | 72.9 | 70.9 | 63.2 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 161.8 | 7 | 72.8 | 70.9 | 63.3 | 71.5 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 164.6 | 8 | 72.7 | 70.9 | 63.3 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 167.4 | 9 | 72.6 | 70.8 | 63.3 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 170.2 | 10 | 72.5 | 70.8 | 63.3 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-301 | 173 | 11 | 72.4 | 70.8 | 63.2 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 175.8 | 12 | 72.3 | 70.8 | 63.2 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 178.6 | 13 | 72.2 | 70.7 | 63.2 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 181.4 | 14 | 72.1 | 70.7 | 63.1 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 184.2 | 15 | 72.1 | 70.7 | 63.1 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 187 | 16 | 72 | 70.7 | 63 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 189.8 | 17 | 71.9 | 70.6 | 63 | 71.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 192.6 | 18 | 71.9 | 70.6 | 63 | 71.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 195.4 | 19 | 71.8 | 70.5 | 62.9 | 71.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 198.2 | 20 | 71.7 | 70.4 | 62.8 | 71.1 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 201 | 21 | 71.6 | 70.4 | 62.8 | 71.1 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 203.8 | 22 | 71.5 | 70.3 | 62.7 | 71 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 206.6 | 23 | 71.5 | 70.2 | 62.7 | 70.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 209.4 | 24 | 71.4 | 70.2 | 62.6 | 70.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 212.2 | 25 | 71.3 | 70.1 | 62.6 | 70.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 215 | 26 | 71.2 | 70 | 62.5 | 70.8 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 217.8 | 27 | 71.2 | 70 | 62.5 | 70.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 220.6 | 28 | 71.1 | 69.9 | 62.4 | 70.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 223.4 | 29 | 71 | 69.8 | 62.4 | 70.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 226.2 | 30 | 71 | 69.8 | 62.3 | 70.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-301 | 229 | 31 | 70.9 | 69.7 | 62.3 | 70.4 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 231.8 | 32 | 70.8 | 69.6 | 62.2 | 70.4 | 70 | N | 0.8 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 234.6 | 33 | 70.8 | 69.6 | 62.2 | 70.3 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 237.4 | 34 | 70.7 | 69.5 | 62.1 | 70.3 | 70 | N | 0.8 | N | N | N | 1 | 0 | 1 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-301 | 240.2 | 35 | 70.6 | 69.5 | 62.1 | 70.2 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 243 | 36 | 70.6 | 69.4 | 62 | 70.1 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 245.8 | 37 | 70.5 | 69.4 | 62 | 70.1 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 248.6 | 38 | 70.5 | 69.3 | 61.9 | 70.1 | 70 | N | 0.8 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 251.4 | 39 | 70.5 | 69.3 | 61.9 | 70 | 70 | N | 0.7 | N | N | N | 1 | 0 | 1 |
| NSLD-301 | 254.2 | 40 | 70.4 | 69.2 | 61.8 | 70 | 70 | N | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 145 | 1 | 74.7 | 72.6 | 64 | 73.2 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 147.8 | 2 | 74.5 | 72.5 | 64.1 | 73.1 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 150.6 | 3 | 74.4 | 72.3 | 64.3 | 73 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 153.4 | 4 | 74.3 | 72.2 | 64.3 | 72.9 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 156.2 | 5 | 74.1 | 72.1 | 64.3 | 72.8 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 159 | 6 | 74 | 72.1 | 64.4 | 72.8 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 161.8 | 7 | 73.9 | 72.1 | 64.3 | 72.8 | 70 | Y | 0.7 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 164.6 | 8 | 73.7 | 72.1 | 64.3 | 72.7 | 70 | Y | 0.6 | N | N | N | 1 | 1 | 0 |
| NSLD-302 | 167.4 | 9 | 73.6 | 72.1 | 64.2 | 72.7 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 170.2 | 10 | 73.5 | 72 | 64.2 | 72.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 173 | 11 | 73.4 | 72 | 64.1 | 72.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 175.8 | 12 | 73.3 | 71.9 | 64.1 | 72.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 178.6 | 13 | 73.2 | 71.9 | 64.1 | 72.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 181.4 | 14 | 73.2 | 71.9 | 64 | 72.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 184.2 | 15 | 73.1 | 71.8 | 64 | 72.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 187 | 16 | 73 | 71.8 | 63.9 | 72.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 189.8 | 17 | 73 | 71.7 | 63.9 | 72.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 192.6 | 18 | 72.9 | 71.7 | 63.8 | 72.3 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 195.4 | 19 | 72.8 | 71.6 | 63.7 | 72.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 198.2 | 20 | 72.7 | 71.5 | 63.7 | 72.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 201 | 21 | 72.6 | 71.5 | 63.6 | 72.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 203.8 | 22 | 72.5 | 71.4 | 63.6 | 72.1 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 206.6 | 23 | 72.5 | 71.3 | 63.5 | 72 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 209.4 | 24 | 72.4 | 71.3 | 63.4 | 71.9 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 212.2 | 25 | 72.3 | 71.2 | 63.4 | 71.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 215 | 26 | 72.3 | 71.1 | 63.3 | 71.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 217.8 | 27 | 72.2 | 71 | 63.2 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 220.6 | 28 | 72.1 | 71 | 63.2 | 71.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 223.4 | 29 | 72.1 | 70.9 | 63.1 | 71.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 226.2 | 30 | 72 | 70.9 | 63.1 | 71.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 229 | 31 | 71.9 | 70.8 | 63 | 71.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 231.8 | 32 | 71.9 | 70.8 | 63 | 71.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 234.6 | 33 | 71.8 | 70.7 | 62.9 | 71.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 237.4 | 34 | 71.8 | 70.7 | 62.8 | 71.3 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 240.2 | 35 | 71.7 | 70.6 | 62.8 | 71.3 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 243 | 36 | 71.7 | 70.6 | 62.7 | 71.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 245.8 | 37 | 71.6 | 70.6 | 62.7 | 71.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 248.6 | 38 | 71.6 | 70.5 | 62.6 | 71.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 251.4 | 39 | 71.5 | 70.5 | 62.6 | 71.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-302 | 254.2 | 40 | 71.5 | 70.4 | 62.6 | 71.1 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 145 | 1 | 77.8 | 76.3 | 69 | 77.1 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 147.8 | 2 | 77.6 | 76.3 | 68.9 | 77 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 150.6 | 3 | 77.5 | 76.3 | 68.8 | 77 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 153.4 | 4 | 77.4 | 76.2 | 68.7 | 77 | 70 | Y | 0.8 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 156.2 | 5 | 77.3 | 76.2 | 68.6 | 76.9 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 159 | 6 | 77.2 | 76.1 | 68.5 | 76.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 161.8 | 7 | 77.1 | 76.1 | 68.4 | 76.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 164.6 | 8 | 77 | 76 | 68.3 | 76.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 167.4 | 9 | 76.9 | 75.9 | 68.2 | 76.6 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 170.2 | 10 | 76.8 | 75.9 | 68 | 76.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 173 | 11 | 76.7 | 75.8 | 67.9 | 76.5 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 175.8 | 12 | 76.7 | 75.7 | 67.8 | 76.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 178.6 | 13 | 76.6 | 75.7 | 67.7 | 76.3 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 181.4 | 14 | 76.5 | 75.6 | 67.6 | 76.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 184.2 | 15 | 76.4 | 75.5 | 67.5 | 76.2 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 187 | 16 | 76.3 | 75.5 | 67.4 | 76.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 189.8 | 17 | 76.3 | 75.4 | 67.3 | 76 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 192.6 | 18 | 76.2 | 75.3 | 67.2 | 76 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 195.4 | 19 | 76.1 | 75.3 | 67.1 | 75.9 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 198.2 | 20 | 76 | 75.2 | 67 | 75.8 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 201 | 21 | 75.9 | 75.1 | 66.9 | 75.7 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 203.8 | 22 | 75.9 | 75 | 66.8 | 75.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 206.6 | 23 | 75.8 | 75 | 66.7 | 75.6 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 209.4 | 24 | 75.7 | 74.9 | 66.6 | 75.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 212.2 | 25 | 75.6 | 74.8 | 66.5 | 75.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 215 | 26 | 75.6 | 74.8 | 66.5 | 75.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 217.8 | 27 | 75.5 | 74.7 | 66.4 | 75.3 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 220.6 | 28 | 75.4 | 74.6 | 66.3 | 75.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 223.4 | 29 | 75.4 | 74.6 | 66.2 | 75.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 226.2 | 30 | 75.3 | 74.5 | 66.2 | 75.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 229 | 31 | 75.2 | 74.4 | 66.1 | 75 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 231.8 | 32 | 75.2 | 74.4 | 66 | 75 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 234.6 | 33 | 75.1 | 74.3 | 65.9 | 74.9 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 237.4 | 34 | 75 | 74.3 | 65.9 | 74.8 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 240.2 | 35 | 75 | 74.2 | 65.8 | 74.8 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 243 | 36 | 74.9 | 74.1 | 65.7 | 74.7 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 245.8 | 37 | 74.8 | 74.1 | 65.7 | 74.7 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 248.6 | 38 | 74.8 | 74 | 65.6 | 74.6 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 251.4 | 39 | 74.7 | 74 | 65.5 | 74.5 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-303 | 254.2 | 40 | 74.7 | 73.9 | 65.5 | 74.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 145 | 1 | 78.2 | 77.1 | 69.3 | 77.8 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 147.8 | 2 | 78.1 | 77.1 | 69.2 | 77.7 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 150.6 | 3 | 78 | 77 | 69.1 | 77.7 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 153.4 | 4 | 77.9 | 77 | 69 | 77.6 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 156.2 | 5 | 77.8 | 76.9 | 68.8 | 77.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 159 | 6 | 77.7 | 76.8 | 68.7 | 77.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 161.8 | 7 | 77.6 | 76.7 | 68.5 | 77.4 | 70 | Y | 0.7 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 164.6 | 8 | 77.5 | 76.7 | 68.4 | 77.3 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 167.4 | 9 | 77.4 | 76.6 | 68.3 | 77.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 170.2 | 10 | 77.3 | 76.5 | 68.1 | 77.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 173 | 11 | 77.2 | 76.4 | 68 | 77 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 175.8 | 12 | 77.1 | 76.4 | 67.9 | 76.9 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 178.6 | 13 | 77 | 76.3 | 67.8 | 76.9 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 181.4 | 14 | 77 | 76.2 | 67.7 | 76.8 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 184.2 | 15 | 76.9 | 76.1 | 67.6 | 76.7 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 187 | 16 | 76.8 | 76.1 | 67.5 | 76.6 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 189.8 | 17 | 76.7 | 76 | 67.4 | 76.5 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 192.6 | 18 | 76.6 | 75.9 | 67.3 | 76.5 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 195.4 | 19 | 76.6 | 75.8 | 67.2 | 76.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 198.2 | 20 | 76.5 | 75.8 | 67.1 | 76.3 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 201 | 21 | 76.4 | 75.7 | 67 | 76.2 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 203.8 | 22 | 76.3 | 75.6 | 66.9 | 76.2 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 206.6 | 23 | 76.2 | 75.5 | 66.8 | 76.1 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 209.4 | 24 | 76.2 | 75.5 | 66.7 | 76 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 212.2 | 25 | 76.1 | 75.4 | 66.6 | 75.9 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 215 | 26 | 76 | 75.3 | 66.5 | 75.9 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 217.8 | 27 | 75.9 | 75.2 | 66.4 | 75.8 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-304 | 220.6 | 28 | 75.9 | 75.2 | 66.4 | 75.7 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 223.4 | 29 | 75.8 | 75.1 | 66.3 | 75.6 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 226.2 | 30 | 75.7 | 75 | 66.2 | 75.6 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 229 | 31 | 75.7 | 75 | 66.1 | 75.5 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 231.8 | 32 | 75.6 | 74.9 | 66 | 75.4 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 234.6 | 33 | 75.5 | 74.8 | 66 | 75.4 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 237.4 | 34 | 75.4 | 74.8 | 65.9 | 75.3 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 240.2 | 35 | 75.4 | 74.7 | 65.8 | 75.2 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 243 | 36 | 75.3 | 74.7 | 65.7 | 75.2 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 245.8 | 37 | 75.3 | 74.6 | 65.7 | 75.1 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 248.6 | 38 | 75.2 | 74.5 | 65.6 | 75 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 251.4 | 39 | 75.1 | 74.5 | 65.5 | 75 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-304 | 254.2 | 40 | 75.1 | 74.4 | 65.5 | 75 | 70 | Y | 0.6 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 145 | 1 | 77.5 | 77 | 67.6 | 77.5 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 147.8 | 2 | 77.4 | 77 | 67.5 | 77.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 150.6 | 3 | 77.4 | 76.9 | 67.4 | 77.4 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 153.4 | 4 | 77.4 | 76.9 | 67.3 | 77.4 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 156.2 | 5 | 77.3 | 76.9 | 67.1 | 77.3 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 159 | 6 | 77.2 | 76.8 | 67 | 77.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 161.8 | 7 | 77.1 | 76.7 | 66.8 | 77.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 164.6 | 8 | 77 | 76.6 | 66.7 | 77.1 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 167.4 | 9 | 77 | 76.6 | 66.5 | 77 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 170.2 | 10 | 76.9 | 76.5 | 66.4 | 76.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 173 | 11 | 76.8 | 76.5 | 66.2 | 76.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 175.8 | 12 | 76.7 | 76.4 | 66.1 | 76.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 178.6 | 13 | 76.7 | 76.3 | 65.9 | 76.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 181.4 | 14 | 76.6 | 76.2 | 65.9 | 76.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 184.2 | 15 | 76.5 | 76.1 | 65.7 | 76.5 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 187 | 16 | 76.4 | 76.1 | 65.6 | 76.5 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 189.8 | 17 | 76.4 | 76 | 65.5 | 76.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 192.6 | 18 | 76.3 | 75.9 | 65.3 | 76.3 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 195.4 | 19 | 76.2 | 75.9 | 65.2 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 198.2 | 20 | 76.1 | 75.8 | 65.1 | 76.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 201 | 21 | 76.1 | 75.7 | 65 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 203.8 | 22 | 76 | 75.7 | 64.9 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 206.6 | 23 | 75.9 | 75.6 | 64.8 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 209.4 | 24 | 75.8 | 75.5 | 64.7 | 75.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 212.2 | 25 | 75.8 | 75.4 | 64.6 | 75.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 215 | 26 | 75.7 | 75.4 | 64.5 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 217.8 | 27 | 75.7 | 75.3 | 64.3 | 75.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 220.6 | 28 | 75.6 | 75.3 | 64.3 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 223.4 | 29 | 75.5 | 75.2 | 64.2 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 226.2 | 30 | 75.4 | 75.1 | 64.1 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 229 | 31 | 75.4 | 75 | 64 | 75.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 231.8 | 32 | 75.3 | 75 | 63.9 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 234.6 | 33 | 75.3 | 75 | 63.8 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 237.4 | 34 | 75.2 | 74.9 | 63.7 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 240.2 | 35 | 75.1 | 74.8 | 63.7 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 243 | 36 | 75 | 74.7 | 63.6 | 75.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 245.8 | 37 | 75 | 74.7 | 63.5 | 75 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 248.6 | 38 | 74.9 | 74.6 | 63.4 | 75 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 251.4 | 39 | 74.9 | 74.6 | 63.3 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-305 | 254.2 | 40 | 74.8 | 74.5 | 63.3 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 145 | 1 | 75.7 | 75.5 | 62.3 | 75.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 147.8 | 2 | 76.1 | 75.8 | 63.3 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 150.6 | 3 | 76.2 | 75.9 | 64.4 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 153.4 | 4 | 76.2 | 75.9 | 64.9 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 156.2 | 5 | 76.2 | 75.9 | 65.1 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 159 | 6 | 76.2 | 75.8 | 65.1 | 76.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 161.8 | 7 | 76.1 | 75.8 | 65 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 164.6 | 8 | 76.1 | 75.7 | 65 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 167.4 | 9 | 76 | 75.6 | 64.9 | 76 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 170.2 | 10 | 75.9 | 75.6 | 64.8 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 173 | 11 | 75.8 | 75.5 | 64.6 | 75.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 175.8 | 12 | 75.8 | 75.4 | 64.5 | 75.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 178.6 | 13 | 75.7 | 75.4 | 64.3 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 181.4 | 14 | 75.6 | 75.3 | 64.2 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 184.2 | 15 | 75.6 | 75.2 | 64.1 | 75.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 187 | 16 | 75.5 | 75.2 | 64 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 189.8 | 17 | 75.4 | 75.1 | 63.9 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 192.6 | 18 | 75.4 | 75.1 | 63.8 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 195.4 | 19 | 75.3 | 75 | 63.6 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 198.2 | 20 | 75.2 | 74.9 | 63.5 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 201 | 21 | 75.2 | 74.9 | 63.4 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 203.8 | 22 | 75.1 | 74.8 | 63.3 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 206.6 | 23 | 75 | 74.7 | 63.2 | 75 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 209.4 | 24 | 74.9 | 74.6 | 63.1 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 212.2 | 25 | 74.9 | 74.6 | 63 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 215 | 26 | 74.8 | 74.5 | 62.9 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 217.8 | 27 | 74.7 | 74.5 | 62.8 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 220.6 | 28 | 74.7 | 74.4 | 62.7 | 74.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 223.4 | 29 | 74.6 | 74.3 | 62.6 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 226.2 | 30 | 74.5 | 74.3 | 62.6 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 229 | 31 | 74.5 | 74.2 | 62.5 | 74.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 231.8 | 32 | 74.4 | 74.1 | 62.4 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 234.6 | 33 | 74.4 | 74.1 | 62.3 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 237.4 | 34 | 74.3 | 74 | 62.2 | 74.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 240.2 | 35 | 74.2 | 74 | 62.1 | 74.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 243 | 36 | 74.2 | 73.9 | 62 | 74.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 245.8 | 37 | 74.1 | 73.8 | 62 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 248.6 | 38 | 74 | 73.8 | 61.9 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 251.4 | 39 | 74 | 73.7 | 61.8 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-306 | 254.2 | 40 | 73.9 | 73.7 | 61.7 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 145 | 1 | 75.6 | 75.2 | 62.3 | 75.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 147.8 | 2 | 76 | 75.6 | 63.6 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 150.6 | 3 | 76.2 | 75.7 | 64.8 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 153.4 | 4 | 76.2 | 75.7 | 65.5 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 156.2 | 5 | 76.2 | 75.7 | 65.7 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 159 | 6 | 76.1 | 75.7 | 65.7 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 161.8 | 7 | 76.1 | 75.6 | 65.6 | 76 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 164.6 | 8 | 76 | 75.5 | 65.5 | 75.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 167.4 | 9 | 75.9 | 75.5 | 65.4 | 75.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 170.2 | 10 | 75.8 | 75.4 | 65.3 | 75.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 173 | 11 | 75.7 | 75.3 | 65.1 | 75.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 175.8 | 12 | 75.7 | 75.3 | 65 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 178.6 | 13 | 75.6 | 75.2 | 64.9 | 75.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 181.4 | 14 | 75.5 | 75.1 | 64.7 | 75.5 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 184.2 | 15 | 75.4 | 75 | 64.6 | 75.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 187 | 16 | 75.4 | 75 | 64.5 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 189.8 | 17 | 75.3 | 74.9 | 64.4 | 75.3 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 192.6 | 18 | 75.2 | 74.8 | 64.3 | 75.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 195.4 | 19 | 75.2 | 74.8 | 64.1 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 198.2 | 20 | 75.1 | 74.7 | 64 | 75.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-401 | 201 | 21 | 75 | 74.6 | 63.9 | 75 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 203.8 | 22 | 74.9 | 74.6 | 63.8 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 206.6 | 23 | 74.9 | 74.5 | 63.7 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 209.4 | 24 | 74.8 | 74.4 | 63.6 | 74.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 212.2 | 25 | 74.7 | 74.3 | 63.5 | 74.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 215 | 26 | 74.6 | 74.3 | 63.4 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 217.8 | 27 | 74.6 | 74.2 | 63.3 | 74.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 220.6 | 28 | 74.5 | 74.2 | 63.2 | 74.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 223.4 | 29 | 74.4 | 74.1 | 63.1 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 226.2 | 30 | 74.4 | 74 | 63.1 | 74.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 229 | 31 | 74.3 | 74 | 63 | 74.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 231.8 | 32 | 74.2 | 73.9 | 62.9 | 74.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 234.6 | 33 | 74.2 | 73.8 | 62.8 | 74.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 237.4 | 34 | 74.1 | 73.8 | 62.7 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 240.2 | 35 | 74 | 73.7 | 62.6 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 243 | 36 | 74 | 73.6 | 62.5 | 74 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 245.8 | 37 | 73.9 | 73.6 | 62.5 | 73.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 248.6 | 38 | 73.9 | 73.5 | 62.4 | 73.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 251.4 | 39 | 73.8 | 73.5 | 62.4 | 73.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-401 | 254.2 | 40 | 73.7 | 73.4 | 62.3 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 145 | 1 | 77.5 | 76.8 | 67.3 | 77.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 147.8 | 2 | 77.4 | 76.7 | 67.3 | 77.2 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 150.6 | 3 | 77.3 | 76.7 | 67.2 | 77.2 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 153.4 | 4 | 77.3 | 76.6 | 67 | 77.1 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 156.2 | 5 | 77.2 | 76.6 | 66.8 | 77 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 159 | 6 | 77.1 | 76.6 | 66.7 | 77 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 161.8 | 7 | 77 | 76.5 | 66.5 | 76.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 164.6 | 8 | 76.9 | 76.4 | 66.4 | 76.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 167.4 | 9 | 76.9 | 76.3 | 66.3 | 76.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 170.2 | 10 | 76.8 | 76.3 | 66.1 | 76.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 173 | 11 | 76.7 | 76.2 | 66 | 76.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 175.8 | 12 | 76.6 | 76.1 | 65.8 | 76.5 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 178.6 | 13 | 76.5 | 76.1 | 65.7 | 76.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 181.4 | 14 | 76.4 | 76 | 65.5 | 76.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 184.2 | 15 | 76.4 | 75.9 | 65.4 | 76.3 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 187 | 16 | 76.3 | 75.8 | 65.3 | 76.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 189.8 | 17 | 76.2 | 75.8 | 65.2 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 192.6 | 18 | 76.1 | 75.7 | 65 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 195.4 | 19 | 76.1 | 75.6 | 64.9 | 76 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 198.2 | 20 | 76 | 75.5 | 64.8 | 75.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 201 | 21 | 75.9 | 75.5 | 64.7 | 75.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 203.8 | 22 | 75.8 | 75.4 | 64.6 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 206.6 | 23 | 75.7 | 75.3 | 64.5 | 75.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 209.4 | 24 | 75.7 | 75.2 | 64.4 | 75.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 212.2 | 25 | 75.6 | 75.2 | 64.3 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 215 | 26 | 75.5 | 75.1 | 64.2 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 217.8 | 27 | 75.4 | 75 | 64.1 | 75.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 220.6 | 28 | 75.4 | 75 | 64 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 223.4 | 29 | 75.3 | 74.9 | 63.9 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 226.2 | 30 | 75.2 | 74.8 | 63.8 | 75.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 229 | 31 | 75.2 | 74.8 | 63.7 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 231.8 | 32 | 75.1 | 74.7 | 63.7 | 75 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 234.6 | 33 | 75 | 74.6 | 63.6 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 237.4 | 34 | 74.9 | 74.6 | 63.5 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 240.2 | 35 | 74.9 | 74.5 | 63.4 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 243 | 36 | 74.8 | 74.4 | 63.3 | 74.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 245.8 | 37 | 74.8 | 74.4 | 63.2 | 74.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 248.6 | 38 | 74.7 | 74.3 | 63.2 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 251.4 | 39 | 74.6 | 74.2 | 63.1 | 74.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-402 | 254.2 | 40 | 74.6 | 74.2 | 63 | 74.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 145 | 1 | 75.4 | 75.3 | 59.3 | 75.4 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 147.8 | 2 | 75.8 | 75.6 | 62.1 | 75.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 150.6 | 3 | 75.9 | 75.7 | 63.6 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 153.4 | 4 | 75.9 | 75.6 | 64.1 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 156.2 | 5 | 75.9 | 75.6 | 64.2 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 159 | 6 | 75.9 | 75.6 | 64.3 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 161.8 | 7 | 75.8 | 75.5 | 64.2 | 75.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 164.6 | 8 | 75.8 | 75.4 | 64.1 | 75.8 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 167.4 | 9 | 75.7 | 75.4 | 63.9 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 170.2 | 10 | 75.6 | 75.3 | 63.8 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 173 | 11 | 75.6 | 75.3 | 63.6 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 175.8 | 12 | 75.5 | 75.2 | 63.5 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 178.6 | 13 | 75.4 | 75.1 | 63.4 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 181.4 | 14 | 75.4 | 75.1 | 63.2 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 184.2 | 15 | 75.3 | 75 | 63.1 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 187 | 16 | 75.2 | 74.9 | 63 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 189.8 | 17 | 75.1 | 74.9 | 62.9 | 75.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 192.6 | 18 | 75.1 | 74.8 | 62.7 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 195.4 | 19 | 75 | 74.7 | 62.6 | 75 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 198.2 | 20 | 74.9 | 74.6 | 62.5 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 201 | 21 | 74.8 | 74.6 | 62.4 | 74.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 203.8 | 22 | 74.7 | 74.5 | 62.3 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 206.6 | 23 | 74.7 | 74.4 | 62.2 | 74.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 209.4 | 24 | 74.6 | 74.4 | 62.1 | 74.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 212.2 | 25 | 74.5 | 74.3 | 62 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 215 | 26 | 74.5 | 74.2 | 61.9 | 74.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 217.8 | 27 | 74.4 | 74.1 | 61.8 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 220.6 | 28 | 74.3 | 74.1 | 61.7 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 223.4 | 29 | 74.3 | 74 | 61.6 | 74.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 226.2 | 30 | 74.2 | 74 | 61.5 | 74.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 229 | 31 | 74.1 | 73.9 | 61.4 | 74.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 231.8 | 32 | 74.1 | 73.8 | 61.3 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 234.6 | 33 | 74 | 73.8 | 61.2 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 237.4 | 34 | 73.9 | 73.7 | 61.1 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 240.2 | 35 | 73.9 | 73.6 | 61.1 | 73.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 243 | 36 | 73.8 | 73.6 | 61 | 73.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 245.8 | 37 | 73.7 | 73.5 | 60.9 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 248.6 | 38 | 73.7 | 73.5 | 60.8 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 251.4 | 39 | 73.6 | 73.4 | 60.7 | 73.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-403 | 254.2 | 40 | 73.6 | 73.3 | 60.7 | 73.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 145 | 1 | 75.9 | 75.7 | 60.5 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 147.8 | 2 | 76.2 | 75.9 | 63.1 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 150.6 | 3 | 76.2 | 75.9 | 64.4 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 153.4 | 4 | 76.2 | 75.9 | 64.8 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 156.2 | 5 | 76.2 | 75.9 | 64.9 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 159 | 6 | 76.1 | 75.8 | 64.8 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 161.8 | 7 | 76.1 | 75.7 | 64.7 | 76.1 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 164.6 | 8 | 76 | 75.7 | 64.6 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 167.4 | 9 | 75.9 | 75.6 | 64.5 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 170.2 | 10 | 75.8 | 75.5 | 64.3 | 75.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 173 | 11 | 75.7 | 75.4 | 64.2 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 175.8 | 12 | 75.7 | 75.4 | 64 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 178.6 | 13 | 75.6 | 75.3 | 63.9 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-404 | 181.4 | 14 | 75.5 | 75.2 | 63.8 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 184.2 | 15 | 75.4 | 75.1 | 63.6 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 187 | 16 | 75.3 | 75.1 | 63.5 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 189.8 | 17 | 75.3 | 75 | 63.4 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 192.6 | 18 | 75.2 | 74.9 | 63.3 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 195.4 | 19 | 75.1 | 74.8 | 63.2 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 198.2 | 20 | 75 | 74.8 | 63.1 | 75 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 201 | 21 | 75 | 74.7 | 62.9 | 75 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 203.8 | 22 | 74.9 | 74.6 | 62.8 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 206.6 | 23 | 74.8 | 74.6 | 62.7 | 74.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 209.4 | 24 | 74.8 | 74.5 | 62.6 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 212.2 | 25 | 74.7 | 74.4 | 62.5 | 74.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 215 | 26 | 74.6 | 74.3 | 62.4 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 217.8 | 27 | 74.5 | 74.3 | 62.3 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 220.6 | 28 | 74.5 | 74.2 | 62.2 | 74.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 223.4 | 29 | 74.4 | 74.1 | 62.2 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 226.2 | 30 | 74.3 | 74.1 | 62.1 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 229 | 31 | 74.3 | 74 | 62 | 74.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 231.8 | 32 | 74.2 | 73.9 | 61.9 | 74.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 234.6 | 33 | 74.1 | 73.8 | 61.8 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 237.4 | 34 | 74.1 | 73.8 | 61.7 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 240.2 | 35 | 74 | 73.7 | 61.6 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 243 | 36 | 73.9 | 73.7 | 61.6 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 245.8 | 37 | 73.8 | 73.6 | 61.5 | 73.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 248.6 | 38 | 73.8 | 73.5 | 61.4 | 73.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 251.4 | 39 | 73.7 | 73.5 | 61.3 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-404 | 254.2 | 40 | 73.7 | 73.4 | 61.2 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 145 | 1 | 77.6 | 77.3 | 64.8 | 77.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 147.8 | 2 | 77.7 | 77.4 | 65.6 | 77.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 150.6 | 3 | 77.8 | 77.5 | 65.9 | 77.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 153.4 | 4 | 77.7 | 77.4 | 66 | 77.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 156.2 | 5 | 77.7 | 77.4 | 66 | 77.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 159 | 6 | 77.6 | 77.3 | 65.8 | 77.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 161.8 | 7 | 77.6 | 77.3 | 65.7 | 77.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 164.6 | 8 | 77.5 | 77.2 | 65.5 | 77.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 167.4 | 9 | 77.4 | 77.2 | 65.4 | 77.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 170.2 | 10 | 77.4 | 77.1 | 65.3 | 77.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 173 | 11 | 77.3 | 77 | 65.1 | 77.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 175.8 | 12 | 77.2 | 76.9 | 65 | 77.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 178.6 | 13 | 77.1 | 76.8 | 64.8 | 77.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 181.4 | 14 | 77 | 76.8 | 64.7 | 77 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 184.2 | 15 | 76.9 | 76.7 | 64.6 | 76.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 187 | 16 | 76.8 | 76.6 | 64.5 | 76.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 189.8 | 17 | 76.8 | 76.5 | 64.3 | 76.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 192.6 | 18 | 76.7 | 76.4 | 64.2 | 76.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 195.4 | 19 | 76.6 | 76.4 | 64.1 | 76.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 198.2 | 20 | 76.5 | 76.3 | 64 | 76.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 201 | 21 | 76.4 | 76.2 | 63.9 | 76.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 203.8 | 22 | 76.4 | 76.1 | 63.8 | 76.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 206.6 | 23 | 76.3 | 76 | 63.7 | 76.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 209.4 | 24 | 76.2 | 76 | 63.5 | 76.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 212.2 | 25 | 76.1 | 75.9 | 63.4 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 215 | 26 | 76 | 75.8 | 63.3 | 76 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 217.8 | 27 | 76 | 75.7 | 63.2 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 220.6 | 28 | 75.9 | 75.7 | 63.2 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 223.4 | 29 | 75.8 | 75.6 | 63.1 | 75.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 226.2 | 30 | 75.7 | 75.5 | 63 | 75.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 229 | 31 | 75.7 | 75.4 | 62.9 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 231.8 | 32 | 75.6 | 75.4 | 62.8 | 75.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 234.6 | 33 | 75.5 | 75.3 | 62.7 | 75.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 237.4 | 34 | 75.5 | 75.2 | 62.6 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 240.2 | 35 | 75.4 | 75.2 | 62.5 | 75.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 243 | 36 | 75.3 | 75.1 | 62.4 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 245.8 | 37 | 75.3 | 75 | 62.4 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 248.6 | 38 | 75.2 | 75 | 62.3 | 75.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 251.4 | 39 | 75.1 | 74.9 | 62.2 | 75.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-405 | 254.2 | 40 | 75.1 | 74.8 | 62.1 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 145 | 1 | 75.5 | 75.4 | 55.6 | 75.5 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 147.8 | 2 | 76.2 | 76.2 | 58.3 | 76.2 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 150.6 | 3 | 76.6 | 76.5 | 60.9 | 76.6 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 153.4 | 4 | 76.7 | 76.6 | 62.6 | 76.7 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 156.2 | 5 | 76.8 | 76.6 | 63.7 | 76.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 159 | 6 | 76.8 | 76.5 | 64.2 | 76.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 161.8 | 7 | 76.7 | 76.5 | 64.4 | 76.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 164.6 | 8 | 76.7 | 76.4 | 64.4 | 76.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 167.4 | 9 | 76.6 | 76.3 | 64.4 | 76.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 170.2 | 10 | 76.5 | 76.3 | 64.2 | 76.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 173 | 11 | 76.5 | 76.2 | 64.2 | 76.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 175.8 | 12 | 76.4 | 76.1 | 64.1 | 76.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 178.6 | 13 | 76.3 | 76 | 63.9 | 76.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 181.4 | 14 | 76.2 | 76 | 63.8 | 76.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 184.2 | 15 | 76.1 | 75.9 | 63.7 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 187 | 16 | 76.1 | 75.8 | 63.6 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 189.8 | 17 | 76 | 75.7 | 63.5 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 192.6 | 18 | 75.9 | 75.7 | 63.3 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 195.4 | 19 | 75.8 | 75.6 | 63.2 | 75.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 198.2 | 20 | 75.7 | 75.5 | 63.1 | 75.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 201 | 21 | 75.7 | 75.4 | 63 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 203.8 | 22 | 75.6 | 75.3 | 62.9 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 206.6 | 23 | 75.5 | 75.3 | 62.8 | 75.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 209.4 | 24 | 75.4 | 75.2 | 62.7 | 75.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 212.2 | 25 | 75.4 | 75.1 | 62.6 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 215 | 26 | 75.3 | 75 | 62.5 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 217.8 | 27 | 75.2 | 75 | 62.4 | 75.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 220.6 | 28 | 75.1 | 74.9 | 62.3 | 75.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 223.4 | 29 | 75 | 74.8 | 62.2 | 75 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 226.2 | 30 | 75 | 74.7 | 62.2 | 75 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 229 | 31 | 74.9 | 74.7 | 62.1 | 74.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 231.8 | 32 | 74.8 | 74.6 | 62 | 74.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 234.6 | 33 | 74.8 | 74.5 | 61.9 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 237.4 | 34 | 74.7 | 74.5 | 61.8 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 240.2 | 35 | 74.6 | 74.4 | 61.8 | 74.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 243 | 36 | 74.6 | 74.3 | 61.7 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 245.8 | 37 | 74.5 | 74.3 | 61.6 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 248.6 | 38 | 74.4 | 74.2 | 61.5 | 74.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 251.4 | 39 | 74.4 | 74.1 | 61.5 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-406 | 254.2 | 40 | 74.3 | 74.1 | 61.4 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 145 | 1 | 74.4 | 74.3 | 53.6 | 74.4 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 147.8 | 2 | 75.4 | 75.4 | 55.7 | 75.4 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 150.6 | 3 | 75.9 | 75.8 | 58.2 | 75.9 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 153.4 | 4 | 76.1 | 75.9 | 60.4 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 156.2 | 5 | 76.1 | 75.9 | 62.1 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 159 | 6 | 76.1 | 75.9 | 62.9 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-501 | 161.8 | 7 | 76.1 | 75.9 | 63.4 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 164.6 | 8 | 76.1 | 75.8 | 63.6 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 167.4 | 9 | 76 | 75.7 | 63.7 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 170.2 | 10 | 75.9 | 75.6 | 63.6 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 173 | 11 | 75.8 | 75.6 | 63.5 | 75.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 175.8 | 12 | 75.7 | 75.5 | 63.5 | 75.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 178.6 | 13 | 75.7 | 75.4 | 63.4 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 181.4 | 14 | 75.6 | 75.3 | 63.2 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 184.2 | 15 | 75.5 | 75.2 | 63.1 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 187 | 16 | 75.4 | 75.1 | 63 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 189.8 | 17 | 75.3 | 75.1 | 62.9 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 192.6 | 18 | 75.3 | 75 | 62.8 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 195.4 | 19 | 75.2 | 74.9 | 62.7 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 198.2 | 20 | 75.1 | 74.8 | 62.5 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 201 | 21 | 75 | 74.8 | 62.4 | 75 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 203.8 | 22 | 74.9 | 74.7 | 62.3 | 74.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 206.6 | 23 | 74.9 | 74.6 | 62.2 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 209.4 | 24 | 74.8 | 74.5 | 62.1 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 212.2 | 25 | 74.7 | 74.5 | 62 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 215 | 26 | 74.6 | 74.4 | 61.9 | 74.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 217.8 | 27 | 74.6 | 74.3 | 61.8 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 220.6 | 28 | 74.5 | 74.2 | 61.7 | 74.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 223.4 | 29 | 74.4 | 74.2 | 61.7 | 74.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 226.2 | 30 | 74.3 | 74.1 | 61.6 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 229 | 31 | 74.2 | 74 | 61.5 | 74.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 231.8 | 32 | 74.2 | 73.9 | 61.4 | 74.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 234.6 | 33 | 74.1 | 73.9 | 61.3 | 74.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 237.4 | 34 | 74.1 | 73.8 | 61.2 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 240.2 | 35 | 74 | 73.7 | 61.1 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 243 | 36 | 73.9 | 73.7 | 61.1 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 245.8 | 37 | 73.8 | 73.6 | 61 | 73.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 248.6 | 38 | 73.8 | 73.5 | 60.9 | 73.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 251.4 | 39 | 73.7 | 73.5 | 60.9 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-501 | 254.2 | 40 | 73.7 | 73.5 | 60.9 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 145 | 1 | 77.5 | 77.2 | 65.6 | 77.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 147.8 | 2 | 77.6 | 77.2 | 66.2 | 77.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 150.6 | 3 | 77.6 | 77.2 | 66.2 | 77.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 153.4 | 4 | 77.6 | 77.2 | 66.2 | 77.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 156.2 | 5 | 77.5 | 77.1 | 66 | 77.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 159 | 6 | 77.4 | 77 | 65.9 | 77.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 161.8 | 7 | 77.3 | 77 | 65.8 | 77.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 164.6 | 8 | 77.2 | 76.9 | 65.6 | 77.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 167.4 | 9 | 77.1 | 76.8 | 65.4 | 77.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 170.2 | 10 | 77 | 76.7 | 65.3 | 77 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 173 | 11 | 76.9 | 76.6 | 65.2 | 76.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 175.8 | 12 | 76.8 | 76.5 | 65 | 76.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 178.6 | 13 | 76.7 | 76.4 | 64.9 | 76.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 181.4 | 14 | 76.6 | 76.3 | 64.7 | 76.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 184.2 | 15 | 76.6 | 76.3 | 64.6 | 76.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 187 | 16 | 76.5 | 76.2 | 64.5 | 76.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 189.8 | 17 | 76.4 | 76.1 | 64.4 | 76.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 192.6 | 18 | 76.3 | 76 | 64.3 | 76.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 195.4 | 19 | 76.2 | 75.9 | 64.2 | 76.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 198.2 | 20 | 76.1 | 75.8 | 64.1 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 201 | 21 | 76 | 75.7 | 64 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 203.8 | 22 | 75.9 | 75.6 | 63.9 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 206.6 | 23 | 75.8 | 75.5 | 63.8 | 75.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 209.4 | 24 | 75.7 | 75.4 | 63.7 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 212.2 | 25 | 75.6 | 75.4 | 63.6 | 75.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 215 | 26 | 75.6 | 75.3 | 63.5 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 217.8 | 27 | 75.5 | 75.2 | 63.4 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 220.6 | 28 | 75.4 | 75.1 | 63.3 | 75.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 223.4 | 29 | 75.3 | 75.1 | 63.2 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 226.2 | 30 | 75.3 | 75 | 63.1 | 75.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 229 | 31 | 75.2 | 74.9 | 63 | 75.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 231.8 | 32 | 75.1 | 74.8 | 62.9 | 75.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 234.6 | 33 | 75 | 74.7 | 62.8 | 75 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 237.4 | 34 | 75 | 74.7 | 62.8 | 74.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 240.2 | 35 | 74.9 | 74.6 | 62.7 | 74.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 243 | 36 | 74.8 | 74.5 | 62.6 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 245.8 | 37 | 74.7 | 74.5 | 62.5 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 248.6 | 38 | 74.7 | 74.4 | 62.4 | 74.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 251.4 | 39 | 74.6 | 74.3 | 62.4 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-502 | 254.2 | 40 | 74.5 | 74.3 | 62.3 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 145 | 1 | 79.8 | 79.6 | 67.4 | 79.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 147.8 | 2 | 79.8 | 79.6 | 67.2 | 79.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 150.6 | 3 | 79.8 | 79.5 | 67 | 79.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 153.4 | 4 | 79.6 | 79.4 | 66.8 | 79.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 156.2 | 5 | 79.5 | 79.3 | 66.7 | 79.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 159 | 6 | 79.4 | 79.2 | 66.5 | 79.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 161.8 | 7 | 79.3 | 79.1 | 66.3 | 79.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 164.6 | 8 | 79.2 | 78.9 | 66.2 | 79.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 167.4 | 9 | 79 | 78.8 | 66 | 79 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 170.2 | 10 | 78.9 | 78.7 | 65.9 | 78.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 173 | 11 | 78.8 | 78.5 | 65.7 | 78.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 175.8 | 12 | 78.6 | 78.4 | 65.6 | 78.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 178.6 | 13 | 78.5 | 78.3 | 65.4 | 78.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 181.4 | 14 | 78.4 | 78.1 | 65.3 | 78.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 184.2 | 15 | 78.2 | 78 | 65.2 | 78.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 187 | 16 | 78.1 | 77.9 | 65.1 | 78.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 189.8 | 17 | 78 | 77.8 | 65 | 78 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 192.6 | 18 | 77.9 | 77.7 | 64.9 | 77.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 195.4 | 19 | 77.8 | 77.6 | 64.8 | 77.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 198.2 | 20 | 77.7 | 77.5 | 64.7 | 77.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 201 | 21 | 77.6 | 77.4 | 64.6 | 77.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 203.8 | 22 | 77.5 | 77.2 | 64.4 | 77.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 206.6 | 23 | 77.4 | 77.2 | 64.3 | 77.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 209.4 | 24 | 77.3 | 77 | 64.2 | 77.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 212.2 | 25 | 77.2 | 77 | 64.1 | 77.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 215 | 26 | 77.1 | 76.8 | 64 | 77.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 217.8 | 27 | 77 | 76.7 | 64 | 77 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 220.6 | 28 | 76.9 | 76.7 | 63.9 | 76.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 223.4 | 29 | 76.8 | 76.6 | 63.8 | 76.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 226.2 | 30 | 76.7 | 76.5 | 63.7 | 76.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 229 | 31 | 76.6 | 76.4 | 63.6 | 76.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 231.8 | 32 | 76.5 | 76.3 | 63.5 | 76.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 234.6 | 33 | 76.4 | 76.2 | 63.4 | 76.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 237.4 | 34 | 76.4 | 76.2 | 63.3 | 76.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 240.2 | 35 | 76.3 | 76.1 | 63.2 | 76.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 243 | 36 | 76.2 | 76 | 63.2 | 76.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 245.8 | 37 | 76.1 | 75.9 | 63.1 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 248.6 | 38 | 76.1 | 75.8 | 63 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-503 | 251.4 | 39 | 76 | 75.8 | 62.9 | 76 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-503 | 254.2 | 40 | 75.9 | 75.7 | 62.9 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 145 | 1 | 80 | 79.7 | 67 | 80 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 147.8 | 2 | 79.9 | 79.7 | 66.9 | 79.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 150.6 | 3 | 79.8 | 79.6 | 66.7 | 79.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 153.4 | 4 | 79.7 | 79.5 | 66.6 | 79.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 156.2 | 5 | 79.6 | 79.4 | 66.4 | 79.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 159 | 6 | 79.4 | 79.2 | 66.2 | 79.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 161.8 | 7 | 79.3 | 79.1 | 66.1 | 79.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 164.6 | 8 | 79.1 | 78.9 | 65.9 | 79.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 167.4 | 9 | 79 | 78.8 | 65.8 | 79 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 170.2 | 10 | 78.8 | 78.6 | 65.7 | 78.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 173 | 11 | 78.7 | 78.5 | 65.5 | 78.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 175.8 | 12 | 78.6 | 78.4 | 65.4 | 78.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 178.6 | 13 | 78.4 | 78.2 | 65.2 | 78.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 181.4 | 14 | 78.3 | 78.1 | 65.1 | 78.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 184.2 | 15 | 78.2 | 78 | 65 | 78.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 187 | 16 | 78.1 | 77.8 | 64.9 | 78.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 189.8 | 17 | 77.9 | 77.7 | 64.8 | 77.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 192.6 | 18 | 77.8 | 77.6 | 64.7 | 77.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 195.4 | 19 | 77.7 | 77.5 | 64.5 | 77.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 198.2 | 20 | 77.6 | 77.4 | 64.4 | 77.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 201 | 21 | 77.5 | 77.3 | 64.3 | 77.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 203.8 | 22 | 77.4 | 77.2 | 64.3 | 77.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 206.6 | 23 | 77.3 | 77.1 | 64.2 | 77.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 209.4 | 24 | 77.2 | 76.9 | 64.1 | 77.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 212.2 | 25 | 77.1 | 76.9 | 64 | 77.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 215 | 26 | 77 | 76.8 | 63.9 | 77 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 217.8 | 27 | 76.9 | 76.7 | 63.8 | 76.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 220.6 | 28 | 76.8 | 76.6 | 63.7 | 76.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 223.4 | 29 | 76.7 | 76.5 | 63.6 | 76.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 226.2 | 30 | 76.6 | 76.4 | 63.5 | 76.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 229 | 31 | 76.5 | 76.3 | 63.4 | 76.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 231.8 | 32 | 76.4 | 76.2 | 63.3 | 76.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 234.6 | 33 | 76.4 | 76.1 | 63.3 | 76.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 237.4 | 34 | 76.3 | 76.1 | 63.2 | 76.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 240.2 | 35 | 76.2 | 76 | 63.1 | 76.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 243 | 36 | 76.1 | 75.9 | 63 | 76.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 245.8 | 37 | 76 | 75.8 | 62.9 | 76 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 248.6 | 38 | 76 | 75.7 | 62.9 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 251.4 | 39 | 75.9 | 75.7 | 62.8 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-504 | 254.2 | 40 | 75.9 | 75.6 | 62.7 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 145 | 1 | 75.8 | 75.6 | 62 | 75.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 147.8 | 2 | 76 | 75.8 | 62.3 | 76 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 150.6 | 3 | 76 | 75.8 | 62.4 | 76 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 153.4 | 4 | 76 | 75.8 | 62.6 | 76 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 156.2 | 5 | 76 | 75.8 | 62.7 | 76 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 159 | 6 | 75.9 | 75.7 | 62.8 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 161.8 | 7 | 75.9 | 75.7 | 62.7 | 75.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 164.6 | 8 | 75.8 | 75.6 | 62.7 | 75.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 167.4 | 9 | 75.7 | 75.5 | 62.6 | 75.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 170.2 | 10 | 75.6 | 75.4 | 62.5 | 75.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 173 | 11 | 75.6 | 75.3 | 62.4 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 175.8 | 12 | 75.5 | 75.3 | 62.4 | 75.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 178.6 | 13 | 75.4 | 75.2 | 62.3 | 75.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 181.4 | 14 | 75.3 | 75.1 | 62.2 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 184.2 | 15 | 75.2 | 75 | 62.1 | 75.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 187 | 16 | 75.1 | 74.9 | 62.1 | 75.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 189.8 | 17 | 75 | 74.8 | 62 | 75 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 192.6 | 18 | 74.9 | 74.7 | 61.9 | 74.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 195.4 | 19 | 74.8 | 74.6 | 61.8 | 74.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 198.2 | 20 | 74.7 | 74.5 | 61.7 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 201 | 21 | 74.7 | 74.4 | 61.6 | 74.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 203.8 | 22 | 74.6 | 74.3 | 61.6 | 74.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 206.6 | 23 | 74.5 | 74.2 | 61.5 | 74.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 209.4 | 24 | 74.4 | 74.1 | 61.4 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 212.2 | 25 | 74.3 | 74.1 | 61.3 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 215 | 26 | 74.2 | 74 | 61.3 | 74.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 217.8 | 27 | 74.1 | 73.9 | 61.2 | 74.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 220.6 | 28 | 74 | 73.8 | 61.1 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 223.4 | 29 | 74 | 73.7 | 61.1 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 226.2 | 30 | 73.9 | 73.6 | 61 | 73.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 229 | 31 | 73.8 | 73.6 | 60.9 | 73.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 231.8 | 32 | 73.7 | 73.5 | 60.8 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 234.6 | 33 | 73.6 | 73.4 | 60.8 | 73.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 237.4 | 34 | 73.6 | 73.4 | 60.7 | 73.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 240.2 | 35 | 73.5 | 73.3 | 60.6 | 73.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 243 | 36 | 73.4 | 73.2 | 60.6 | 73.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 245.8 | 37 | 73.4 | 73.1 | 60.5 | 73.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 248.6 | 38 | 73.3 | 73.1 | 60.4 | 73.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 251.4 | 39 | 73.2 | 73 | 60.4 | 73.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-601 | 254.2 | 40 | 73.2 | 72.9 | 60.3 | 73.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 145 | 1 | 76.9 | 76.7 | 62.9 | 76.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 147.8 | 2 | 77 | 76.8 | 62.9 | 77 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 150.6 | 3 | 77 | 76.8 | 62.9 | 77 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 153.4 | 4 | 77 | 76.8 | 63 | 77 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 156.2 | 5 | 76.9 | 76.7 | 63.1 | 76.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 159 | 6 | 76.8 | 76.6 | 63.2 | 76.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 161.8 | 7 | 76.7 | 76.6 | 63.2 | 76.7 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 164.6 | 8 | 76.6 | 76.4 | 63.1 | 76.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 167.4 | 9 | 76.5 | 76.3 | 63.1 | 76.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 170.2 | 10 | 76.5 | 76.3 | 63 | 76.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 173 | 11 | 76.4 | 76.1 | 63 | 76.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 175.8 | 12 | 76.2 | 76 | 62.9 | 76.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 178.6 | 13 | 76.2 | 76 | 62.8 | 76.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 181.4 | 14 | 76.1 | 75.8 | 62.7 | 76.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 184.2 | 15 | 76 | 75.7 | 62.6 | 76 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 187 | 16 | 75.9 | 75.6 | 62.6 | 75.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 189.8 | 17 | 75.7 | 75.5 | 62.5 | 75.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 192.6 | 18 | 75.7 | 75.4 | 62.4 | 75.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 195.4 | 19 | 75.6 | 75.3 | 62.3 | 75.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 198.2 | 20 | 75.5 | 75.2 | 62.2 | 75.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 201 | 21 | 75.4 | 75.2 | 62.2 | 75.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 203.8 | 22 | 75.3 | 75.1 | 62.1 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 206.6 | 23 | 75.2 | 75 | 62 | 75.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 209.4 | 24 | 75.1 | 74.9 | 62 | 75.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 212.2 | 25 | 75 | 74.8 | 61.9 | 75 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 215 | 26 | 74.9 | 74.7 | 61.8 | 74.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 217.8 | 27 | 74.8 | 74.6 | 61.8 | 74.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 220.6 | 28 | 74.7 | 74.5 | 61.7 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 223.4 | 29 | 74.7 | 74.4 | 61.6 | 74.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 226.2 | 30 | 74.6 | 74.4 | 61.6 | 74.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 229 | 31 | 74.5 | 74.3 | 61.5 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 231.8 | 32 | 74.4 | 74.2 | 61.4 | 74.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLD-602 | 234.6 | 33 | 74.4 | 74.1 | 61.3 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 237.4 | 34 | 74.3 | 74.1 | 61.3 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 240.2 | 35 | 74.2 | 74 | 61.2 | 74.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 243 | 36 | 74.1 | 73.9 | 61.1 | 74.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 245.8 | 37 | 74 | 73.8 | 61.1 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 248.6 | 38 | 74 | 73.8 | 61 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 251.4 | 39 | 73.9 | 73.7 | 61 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-602 | 254.2 | 40 | 73.8 | 73.6 | 60.9 | 73.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 145 | 1 | 75.3 | 75.2 | 60 | 75.3 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 147.8 | 2 | 75.3 | 75.2 | 60.4 | 75.3 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 150.6 | 3 | 75.3 | 75.2 | 60.5 | 75.3 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 153.4 | 4 | 75.3 | 75.1 | 60.7 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 156.2 | 5 | 75.2 | 75.1 | 60.7 | 75.2 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 159 | 6 | 75.2 | 75 | 60.7 | 75.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 161.8 | 7 | 75.1 | 74.9 | 60.7 | 75.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 164.6 | 8 | 75 | 74.9 | 60.8 | 75 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 167.4 | 9 | 74.9 | 74.8 | 60.7 | 74.9 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 170.2 | 10 | 74.9 | 74.7 | 60.8 | 74.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 173 | 11 | 74.8 | 74.6 | 60.8 | 74.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 175.8 | 12 | 74.7 | 74.6 | 60.8 | 74.7 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 178.6 | 13 | 74.6 | 74.5 | 60.8 | 74.6 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 181.4 | 14 | 74.6 | 74.4 | 60.8 | 74.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 184.2 | 15 | 74.5 | 74.3 | 60.9 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 187 | 16 | 74.5 | 74.3 | 60.9 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 189.8 | 17 | 74.4 | 74.2 | 60.9 | 74.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 192.6 | 18 | 74.3 | 74.1 | 60.9 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 195.4 | 19 | 74.3 | 74.1 | 60.9 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 198.2 | 20 | 74.2 | 74 | 60.9 | 74.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 201 | 21 | 74.1 | 73.9 | 60.9 | 74.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 203.8 | 22 | 74 | 73.8 | 60.8 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 206.6 | 23 | 74 | 73.8 | 60.8 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 209.4 | 24 | 73.9 | 73.7 | 60.8 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 212.2 | 25 | 73.8 | 73.6 | 60.7 | 73.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 215 | 26 | 73.7 | 73.5 | 60.7 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 217.8 | 27 | 73.7 | 73.5 | 60.6 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 220.6 | 28 | 73.6 | 73.4 | 60.6 | 73.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 223.4 | 29 | 73.5 | 73.3 | 60.5 | 73.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 226.2 | 30 | 73.4 | 73.2 | 60.5 | 73.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 229 | 31 | 73.4 | 73.2 | 60.4 | 73.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 231.8 | 32 | 73.3 | 73.1 | 60.4 | 73.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 234.6 | 33 | 73.2 | 73 | 60.3 | 73.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 237.4 | 34 | 73.2 | 73 | 60.3 | 73.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 240.2 | 35 | 73.1 | 72.9 | 60.2 | 73.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 243 | 36 | 73.1 | 72.8 | 60.2 | 73.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 245.8 | 37 | 73 | 72.7 | 60.1 | 73 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 248.6 | 38 | 72.9 | 72.7 | 60.1 | 72.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 251.4 | 39 | 72.9 | 72.6 | 60.1 | 72.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-701 | 254.2 | 40 | 72.8 | 72.6 | 60 | 72.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 145 | 1 | 76.4 | 76.3 | 60.3 | 76.4 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 147.8 | 2 | 76.4 | 76.3 | 60.6 | 76.4 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 150.6 | 3 | 76.3 | 76.2 | 60.8 | 76.3 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 153.4 | 4 | 76.3 | 76.2 | 61 | 76.3 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 156.2 | 5 | 76.2 | 76.1 | 61 | 76.2 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 159 | 6 | 76.1 | 76 | 61.1 | 76.1 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 161.8 | 7 | 76 | 75.9 | 61.1 | 76 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 164.6 | 8 | 75.9 | 75.8 | 61.1 | 75.9 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 167.4 | 9 | 75.8 | 75.7 | 61.1 | 75.8 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 170.2 | 10 | 75.8 | 75.6 | 61.2 | 75.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 173 | 11 | 75.7 | 75.5 | 61.2 | 75.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 175.8 | 12 | 75.6 | 75.4 | 61.2 | 75.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 178.6 | 13 | 75.5 | 75.3 | 61.2 | 75.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 181.4 | 14 | 75.4 | 75.2 | 61.2 | 75.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 184.2 | 15 | 75.3 | 75.1 | 61.3 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 187 | 16 | 75.3 | 75.1 | 61.3 | 75.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 189.8 | 17 | 75.2 | 75 | 61.4 | 75.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 192.6 | 18 | 75.1 | 74.9 | 61.4 | 75.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 195.4 | 19 | 75 | 74.8 | 61.4 | 75 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 198.2 | 20 | 74.9 | 74.7 | 61.4 | 74.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 201 | 21 | 74.8 | 74.6 | 61.4 | 74.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 203.8 | 22 | 74.8 | 74.5 | 61.4 | 74.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 206.6 | 23 | 74.7 | 74.5 | 61.3 | 74.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 209.4 | 24 | 74.6 | 74.4 | 61.3 | 74.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 212.2 | 25 | 74.5 | 74.3 | 61.3 | 74.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 215 | 26 | 74.4 | 74.2 | 61.2 | 74.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 217.8 | 27 | 74.4 | 74.1 | 61.2 | 74.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 220.6 | 28 | 74.3 | 74.1 | 61.1 | 74.3 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 223.4 | 29 | 74.2 | 74 | 61.1 | 74.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 226.2 | 30 | 74.1 | 73.9 | 61 | 74.1 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 229 | 31 | 74 | 73.8 | 61 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 231.8 | 32 | 74 | 73.8 | 60.9 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 234.6 | 33 | 73.9 | 73.7 | 60.9 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 237.4 | 34 | 73.8 | 73.6 | 60.8 | 73.8 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 240.2 | 35 | 73.8 | 73.5 | 60.8 | 73.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 243 | 36 | 73.7 | 73.5 | 60.7 | 73.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 245.8 | 37 | 73.6 | 73.4 | 60.7 | 73.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 248.6 | 38 | 73.6 | 73.3 | 60.6 | 73.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 251.4 | 39 | 73.5 | 73.3 | 60.6 | 73.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLD-702 | 254.2 | 40 | 73.4 | 73.2 | 60.6 | 73.4 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NSLE-101 | 114.7 | 1 | 75.1 | 74.3 | 43.8 | 74.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 117.5 | 2 | 75.1 | 74.3 | 44.6 | 74.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 120.3 | 3 | 75 | 74.2 | 45.3 | 74.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 123.1 | 4 | 74.9 | 74.2 | 46.1 | 74.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 125.9 | 5 | 74.8 | 74.2 | 46.9 | 74.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 128.7 | 6 | 74.7 | 74.1 | 47.8 | 74.2 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 131.5 | 7 | 74.6 | 74.1 | 48.7 | 74.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 134.3 | 8 | 74.5 | 74 | 49.6 | 74 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 137.1 | 9 | 74.4 | 73.9 | 50.6 | 73.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 139.9 | 10 | 74.3 | 73.8 | 51.8 | 73.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 142.7 | 11 | 74.2 | 73.7 | 53 | 73.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 145.5 | 12 | 74 | 73.5 | 54.1 | 73.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 148.3 | 13 | 73.9 | 73.4 | 55.1 | 73.5 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 151.1 | 14 | 73.8 | 73.3 | 55.7 | 73.4 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 153.9 | 15 | 73.7 | 73.2 | 56 | 73.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 156.7 | 16 | 73.5 | 73.1 | 56.2 | 73.2 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 159.5 | 17 | 73.4 | 73 | 56.5 | 73.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 162.3 | 18 | 73.3 | 72.8 | 56.7 | 72.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 165.1 | 19 | 73.2 | 72.7 | 56.9 | 72.8 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 167.9 | 20 | 73.1 | 72.6 | 57.1 | 72.7 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 170.7 | 21 | 73 | 72.5 | 57.3 | 72.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 173.5 | 22 | 72.9 | 72.4 | 57.6 | 72.5 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 176.3 | 23 | 72.8 | 72.3 | 58.2 | 72.5 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-101 | 179.1 | 24 | 72.7 | 72.2 | 59.1 | 72.4 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-102 | 114.7 | 1 | 78.3 | 78 | 53.7 | 78 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLE-102 | 117.5 | 2 | 78.4 | 78.1 | 55.2 | 78.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 120.3 | 3 | 78.5 | 78.2 | 56.4 | 78.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 123.1 | 4 | 78.4 | 78.1 | 58.2 | 78.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 125.9 | 5 | 78.3 | 78 | 59.4 | 78.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 128.7 | 6 | 78.1 | 77.8 | 60.6 | 77.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 131.5 | 7 | 78 | 77.7 | 61.4 | 77.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 134.3 | 8 | 77.8 | 77.5 | 61.8 | 77.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 137.1 | 9 | 77.6 | 77.3 | 62.1 | 77.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 139.9 | 10 | 77.5 | 77.1 | 62.3 | 77.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 142.7 | 11 | 77.3 | 77 | 62.4 | 77.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 145.5 | 12 | 77.1 | 76.8 | 62.6 | 77 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 148.3 | 13 | 77 | 76.7 | 62.7 | 76.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 151.1 | 14 | 76.8 | 76.5 | 62.7 | 76.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 153.9 | 15 | 76.7 | 76.3 | 62.8 | 76.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 156.7 | 16 | 76.5 | 76.2 | 62.9 | 76.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 159.5 | 17 | 76.4 | 76 | 63 | 76.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 162.3 | 18 | 76.2 | 75.8 | 63 | 76.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 165.1 | 19 | 76.1 | 75.7 | 63 | 75.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 167.9 | 20 | 76 | 75.6 | 63.1 | 75.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 170.7 | 21 | 75.8 | 75.4 | 63.1 | 75.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 173.5 | 22 | 75.7 | 75.3 | 63 | 75.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 176.3 | 23 | 75.6 | 75.2 | 63 | 75.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-102 | 179.1 | 24 | 75.5 | 75.1 | 63 | 75.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-103 | 114.7 | 1 | 78.3 | 78 | 58.4 | 78 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 117.5 | 2 | 78.4 | 78.2 | 59.4 | 78.2 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 120.3 | 3 | 78.5 | 78.3 | 59.9 | 78.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 123.1 | 4 | 78.5 | 78.2 | 60.6 | 78.3 | 70 | Y | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 125.9 | 5 | 78.4 | 78.2 | 61.2 | 78.2 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 128.7 | 6 | 78.2 | 78 | 61.7 | 78.1 | 70 | Y | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 131.5 | 7 | 78.1 | 77.9 | 62.3 | 78 | 70 | Y | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 134.3 | 8 | 77.9 | 77.7 | 62.7 | 77.8 | 70 | Y | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 137.1 | 9 | 77.8 | 77.5 | 63.1 | 77.7 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 139.9 | 10 | 77.6 | 77.4 | 63.2 | 77.5 | 70 | Y | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 142.7 | 11 | 77.4 | 77.2 | 63.4 | 77.4 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 145.5 | 12 | 77.3 | 77 | 63.5 | 77.2 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 148.3 | 13 | 77.1 | 76.8 | 63.5 | 77 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 151.1 | 14 | 77 | 76.7 | 63.5 | 76.9 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 153.9 | 15 | 76.8 | 76.5 | 63.5 | 76.7 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 156.7 | 16 | 76.7 | 76.4 | 63.5 | 76.6 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 159.5 | 17 | 76.5 | 76.2 | 63.5 | 76.4 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 162.3 | 18 | 76.4 | 76.1 | 63.5 | 76.3 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 165.1 | 19 | 76.3 | 75.9 | 63.5 | 76.2 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 167.9 | 20 | 76.1 | 75.8 | 63.5 | 76.1 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 170.7 | 21 | 76 | 75.7 | 63.5 | 75.9 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 173.5 | 22 | 75.9 | 75.6 | 63.4 | 75.8 | 70 | Y | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 176.3 | 23 | 75.8 | 75.4 | 63.4 | 75.7 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-103 | 179.1 | 24 | 75.7 | 75.3 | 63.3 | 75.6 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-104 | 114.7 | 1 | 73.4 | 73 | 53.9 | 73.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 117.5 | 2 | 73.9 | 73.4 | 56.8 | 73.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 120.3 | 3 | 74.3 | 73.8 | 58.1 | 73.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 123.1 | 4 | 74.6 | 74.2 | 59 | 74.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 125.9 | 5 | 74.9 | 74.5 | 59.6 | 74.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 128.7 | 6 | 75 | 74.7 | 60 | 74.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 131.5 | 7 | 75.1 | 74.8 | 60.3 | 75 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 134.3 | 8 | 75.1 | 74.8 | 60.5 | 75 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 137.1 | 9 | 75.1 | 74.9 | 60.7 | 75 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 139.9 | 10 | 75.1 | 74.8 | 60.9 | 75 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 142.7 | 11 | 75 | 74.7 | 61 | 74.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 145.5 | 12 | 74.9 | 74.6 | 61.1 | 74.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 148.3 | 13 | 74.8 | 74.5 | 61.2 | 74.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 151.1 | 14 | 74.7 | 74.4 | 61.2 | 74.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 153.9 | 15 | 74.6 | 74.3 | 61.3 | 74.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 156.7 | 16 | 74.5 | 74.2 | 61.3 | 74.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 159.5 | 17 | 74.4 | 74.1 | 61.3 | 74.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 162.3 | 18 | 74.3 | 74 | 61.3 | 74.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 165.1 | 19 | 74.2 | 73.9 | 61.2 | 74.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 167.9 | 20 | 74.1 | 73.8 | 61.3 | 74 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 170.7 | 21 | 74 | 73.7 | 61.2 | 73.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 173.5 | 22 | 73.9 | 73.6 | 61.1 | 73.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 176.3 | 23 | 73.8 | 73.5 | 61.1 | 73.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-104 | 179.1 | 24 | 73.7 | 73.4 | 61.1 | 73.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 114.7 | 1 | 71.4 | 70.9 | 53.6 | 71 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 117.5 | 2 | 71.8 | 71.2 | 56.2 | 71.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 120.3 | 3 | 72.2 | 71.5 | 57.6 | 71.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 123.1 | 4 | 72.6 | 71.9 | 58.4 | 72.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 125.9 | 5 | 72.9 | 72.2 | 59 | 72.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 128.7 | 6 | 73.2 | 72.6 | 59.4 | 72.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 131.5 | 7 | 73.4 | 72.9 | 59.7 | 73.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 134.3 | 8 | 73.5 | 73.1 | 59.9 | 73.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 137.1 | 9 | 73.6 | 73.2 | 60.1 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 139.9 | 10 | 73.6 | 73.3 | 60.2 | 73.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 142.7 | 11 | 73.6 | 73.3 | 60.3 | 73.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 145.5 | 12 | 73.6 | 73.2 | 60.4 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 148.3 | 13 | 73.6 | 73.2 | 60.5 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 151.1 | 14 | 73.5 | 73.2 | 60.5 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 153.9 | 15 | 73.5 | 73.2 | 60.6 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 156.7 | 16 | 73.4 | 73.1 | 60.6 | 73.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 159.5 | 17 | 73.4 | 73 | 60.7 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 162.3 | 18 | 73.3 | 73 | 60.7 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 165.1 | 19 | 73.3 | 72.9 | 60.7 | 73.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 167.9 | 20 | 73.2 | 72.9 | 60.6 | 73.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 170.7 | 21 | 73.1 | 72.8 | 60.6 | 73 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 173.5 | 22 | 73.1 | 72.7 | 60.6 | 73 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 176.3 | 23 | 73 | 72.6 | 60.5 | 72.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-105 | 179.1 | 24 | 72.9 | 72.6 | 60.5 | 72.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 114.7 | 1 | 71.2 | 70.7 | 51.8 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 117.5 | 2 | 71.5 | 70.9 | 54.4 | 71 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 120.3 | 3 | 71.8 | 71 | 56 | 71.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 123.1 | 4 | 72 | 71.3 | 57.1 | 71.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 125.9 | 5 | 72.3 | 71.6 | 58.1 | 71.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 128.7 | 6 | 72.6 | 71.9 | 58.6 | 72.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 131.5 | 7 | 72.8 | 72.3 | 59 | 72.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 134.3 | 8 | 73 | 72.6 | 59.3 | 72.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 137.1 | 9 | 73.2 | 72.8 | 59.5 | 73 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 139.9 | 10 | 73.2 | 72.9 | 59.7 | 73.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 142.7 | 11 | 73.3 | 73 | 60 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 145.5 | 12 | 73.4 | 73 | 60.3 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 148.3 | 13 | 73.4 | 73.1 | 60.5 | 73.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 151.1 | 14 | 73.4 | 73.1 | 60.5 | 73.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 153.9 | 15 | 73.4 | 73 | 60.7 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 156.7 | 16 | 73.4 | 73 | 60.7 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 159.5 | 17 | 73.3 | 73 | 60.8 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 162.3 | 18 | 73.3 | 72.9 | 60.8 | 73.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLE-106 | 165.1 | 19 | 73.2 | 72.9 | 60.8 | 73.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 167.9 | 20 | 73.2 | 72.9 | 60.8 | 73.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 170.7 | 21 | 73.1 | 72.8 | 60.8 | 73.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 173.5 | 22 | 73.1 | 72.8 | 60.7 | 73 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 176.3 | 23 | 73.1 | 72.7 | 60.7 | 73 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-106 | 179.1 | 24 | 73 | 72.7 | 60.7 | 73 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 114.7 | 1 | 72 | 71.5 | 47.9 | 71.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 117.5 | 2 | 72.2 | 71.7 | 50.1 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 120.3 | 3 | 72.5 | 71.8 | 51.9 | 71.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 123.1 | 4 | 72.8 | 72.1 | 53.8 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 125.9 | 5 | 73 | 72.3 | 55.1 | 72.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 128.7 | 6 | 73.1 | 72.6 | 55.9 | 72.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 131.5 | 7 | 73.3 | 72.9 | 56.6 | 73 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 134.3 | 8 | 73.5 | 73.1 | 57.2 | 73.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 137.1 | 9 | 73.7 | 73.3 | 57.5 | 73.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 139.9 | 10 | 73.7 | 73.4 | 58 | 73.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 142.7 | 11 | 73.8 | 73.5 | 58.8 | 73.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 145.5 | 12 | 73.9 | 73.6 | 59.8 | 73.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 148.3 | 13 | 74 | 73.7 | 60.3 | 73.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 151.1 | 14 | 74.1 | 73.8 | 60.6 | 74 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 153.9 | 15 | 74.2 | 73.9 | 60.8 | 74.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 156.7 | 16 | 74.2 | 73.9 | 61 | 74.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 159.5 | 17 | 74.2 | 73.9 | 61 | 74.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 162.3 | 18 | 74.2 | 73.9 | 61.1 | 74.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 165.1 | 19 | 74.1 | 73.8 | 61.1 | 74.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 167.9 | 20 | 74.1 | 73.8 | 61.1 | 74 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 170.7 | 21 | 74.1 | 73.8 | 61.1 | 74 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 173.5 | 22 | 74.1 | 73.7 | 61 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 176.3 | 23 | 74.1 | 73.7 | 61 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-107 | 179.1 | 24 | 74 | 73.7 | 60.9 | 73.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-201 | 114.4 | 1 | 77.6 | 76.8 | 48.1 | 76.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 117.2 | 2 | 77.4 | 76.6 | 49.3 | 76.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 120 | 3 | 77.2 | 76.4 | 51.1 | 76.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 122.8 | 4 | 77.1 | 76.2 | 53.1 | 76.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 125.6 | 5 | 76.8 | 76 | 55.1 | 76 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 128.4 | 6 | 76.6 | 75.8 | 56.4 | 75.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 131.2 | 7 | 76.4 | 75.6 | 57.2 | 75.7 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 134 | 8 | 76.2 | 75.4 | 57.8 | 75.5 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 136.8 | 9 | 76.1 | 75.2 | 58.1 | 75.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 139.6 | 10 | 75.9 | 75.1 | 58.5 | 75.2 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 142.4 | 11 | 75.7 | 74.9 | 58.7 | 75 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 145.2 | 12 | 75.6 | 74.7 | 59 | 74.8 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 148 | 13 | 75.4 | 74.6 | 59.1 | 74.7 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 150.8 | 14 | 75.3 | 74.4 | 59.3 | 74.5 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 153.6 | 15 | 75.1 | 74.3 | 59.5 | 74.4 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 156.4 | 16 | 75 | 74.1 | 59.7 | 74.3 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 159.2 | 17 | 74.8 | 74 | 59.8 | 74.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 162 | 18 | 74.7 | 73.8 | 59.9 | 74 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 164.8 | 19 | 74.6 | 73.7 | 60 | 73.9 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 167.6 | 20 | 74.5 | 73.6 | 60.2 | 73.8 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 170.4 | 21 | 74.4 | 73.5 | 60.3 | 73.7 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-201 | 173.2 | 22 | 74.3 | 73.4 | 60.4 | 73.6 | 70 | Y | 0.2 | N | N | N | 5 | 0 | 0 |
| NSLE-202 | 114.4 | 1 | 78.5 | 77 | 64.1 | 77.3 | 70 | Y | 0.3 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 117.2 | 2 | 78.3 | 76.8 | 64.1 | 77 | 70 | Y | 0.2 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 120 | 3 | 78.1 | 76.6 | 64.2 | 76.9 | 70 | Y | 0.3 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 122.8 | 4 | 78 | 76.5 | 64.2 | 76.7 | 70 | Y | 0.2 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 125.6 | 5 | 77.8 | 76.3 | 64.4 | 76.6 | 70 | Y | 0.3 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 128.4 | 6 | 77.6 | 76.1 | 64.7 | 76.4 | 70 | Y | 0.3 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 131.2 | 7 | 77.4 | 75.9 | 65 | 76.2 | 70 | Y | 0.3 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 134 | 8 | 77.2 | 75.7 | 65.3 | 76.1 | 70 | Y | 0.4 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 136.8 | 9 | 77 | 75.5 | 65.5 | 75.9 | 70 | Y | 0.4 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 139.6 | 10 | 76.8 | 75.3 | 65.6 | 75.7 | 70 | Y | 0.4 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 142.4 | 11 | 76.6 | 75.1 | 65.7 | 75.5 | 70 | Y | 0.4 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 145.2 | 12 | 76.5 | 74.9 | 65.9 | 75.4 | 70 | Y | 0.5 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 148 | 13 | 76.3 | 74.7 | 66.1 | 75.2 | 70 | Y | 0.5 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 150.8 | 14 | 76.1 | 74.5 | 66.4 | 75.1 | 70 | Y | 0.6 | N | N | N | 3 | 3 | 0 |
| NSLE-202 | 153.6 | 15 | 75.9 | 74.3 | 66.6 | 75 | 70 | Y | 0.7 | N | N | N | 3 | 0 | 0 |
| NSLE-202 | 156.4 | 16 | 75.8 | 74.1 | 66.7 | 74.9 | 70 | Y | 0.8 | N | N | N | 3 | 0 | 0 |
| NSLE-202 | 159.2 | 17 | 75.6 | 74 | 66.8 | 74.8 | 70 | Y | 0.8 | N | N | N | 3 | 0 | 0 |
| NSLE-202 | 162 | 18 | 75.5 | 73.9 | 66.8 | 74.7 | 70 | Y | 0.8 | N | N | N | 3 | 0 | 0 |
| NSLE-202 | 164.8 | 19 | 75.3 | 73.7 | 66.9 | 74.5 | 70 | Y | 0.8 | N | N | N | 3 | 0 | 0 |
| NSLE-202 | 167.6 | 20 | 75.2 | 73.6 | 66.9 | 74.4 | 70 | Y | 0.8 | N | N | N | 3 | 0 | 0 |
| NSLE-202 | 170.4 | 21 | 75.1 | 73.5 | 66.9 | 74.3 | 70 | Y | 0.8 | N | N | N | 3 | 0 | 0 |
| NSLE-202 | 173.2 | 22 | 74.9 | 73.3 | 66.9 | 74.2 | 70 | Y | 0.9 | N | N | N | 3 | 0 | 0 |
| NSLE-203 | 114.4 | 1 | 77.9 | 76.7 | 63.7 | 77 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 117.2 | 2 | 77.8 | 76.5 | 63.7 | 76.8 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 120 | 3 | 77.7 | 76.4 | 63.8 | 76.6 | 70 | Y | 0.2 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 122.8 | 4 | 77.6 | 76.4 | 63.8 | 76.6 | 70 | Y | 0.2 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 125.6 | 5 | 77.5 | 76.2 | 64.1 | 76.5 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 128.4 | 6 | 77.3 | 76 | 64.5 | 76.3 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 131.2 | 7 | 77.1 | 75.8 | 64.9 | 76.1 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 134 | 8 | 77 | 75.6 | 65.5 | 76 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 136.8 | 9 | 76.8 | 75.4 | 66 | 75.8 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 139.6 | 10 | 76.6 | 75.2 | 66.2 | 75.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 142.4 | 11 | 76.5 | 75 | 66.3 | 75.5 | 70 | Y | 0.5 | N | N | N | 2 | 2 | 0 |
| NSLE-203 | 145.2 | 12 | 76.3 | 74.8 | 66.3 | 75.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 148 | 13 | 76.1 | 74.6 | 66.4 | 75.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 150.8 | 14 | 75.9 | 74.4 | 66.5 | 75 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 153.6 | 15 | 75.8 | 74.2 | 66.6 | 74.9 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 156.4 | 16 | 75.6 | 74.1 | 66.7 | 74.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 159.2 | 17 | 75.5 | 73.9 | 66.9 | 74.7 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 162 | 18 | 75.4 | 73.8 | 67 | 74.6 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 164.8 | 19 | 75.2 | 73.7 | 67 | 74.5 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 167.6 | 20 | 75.1 | 73.5 | 67 | 74.4 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 170.4 | 21 | 75 | 73.4 | 67 | 74.3 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLE-203 | 173.2 | 22 | 74.8 | 73.3 | 67 | 74.2 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 114.4 | 1 | 70.8 | 70.1 | 61 | 70.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 117.2 | 2 | 70.8 | 70.2 | 61 | 70.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 120 | 3 | 71 | 70.4 | 61 | 70.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 122.8 | 4 | 71.4 | 70.9 | 61 | 71.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 125.6 | 5 | 71.8 | 71.4 | 61.1 | 71.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 128.4 | 6 | 72.1 | 71.7 | 61.1 | 72 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 131.2 | 7 | 72.2 | 71.8 | 61.3 | 72.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 134 | 8 | 72.3 | 71.8 | 61.6 | 72.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 136.8 | 9 | 72.3 | 71.7 | 62.2 | 72.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 139.6 | 10 | 72.3 | 71.7 | 62.9 | 72.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 142.4 | 11 | 72.3 | 71.6 | 63.6 | 72.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 145.2 | 12 | 72.2 | 71.4 | 64 | 72.1 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 148 | 13 | 72.1 | 71.3 | 64.2 | 72.1 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 150.8 | 14 | 72 | 71.1 | 64.3 | 72 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 153.6 | 15 | 71.9 | 71 | 64.2 | 71.8 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 156.4 | 16 | 71.8 | 70.9 | 64.2 | 71.7 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 159.2 | 17 | 71.7 | 70.8 | 64 | 71.6 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLE-204 | 162 | 18 | 71.6 | 70.7 | 64 | 71.5 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 164.8 | 19 | 71.5 | 70.6 | 63.9 | 71.4 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 167.6 | 20 | 71.3 | 70.4 | 63.8 | 71.3 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 170.4 | 21 | 71.2 | 70.3 | 63.7 | 71.2 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLE-204 | 173.2 | 22 | 71.1 | 70.2 | 63.6 | 71.1 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 114.4 | 1 | 67.6 | 67.4 | 54.1 | 67.6 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 117.2 | 2 | 67.6 | 67.4 | 54.2 | 67.6 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 120 | 3 | 68 | 67.8 | 54.2 | 68 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 122.8 | 4 | 68.5 | 68.3 | 54.4 | 68.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 125.6 | 5 | 69 | 68.8 | 54.6 | 69 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 128.4 | 6 | 69.3 | 69.2 | 54.9 | 69.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 131.2 | 7 | 69.6 | 69.5 | 55.2 | 69.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 134 | 8 | 69.9 | 69.7 | 55.7 | 69.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 136.8 | 9 | 70.1 | 69.9 | 56.4 | 70.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 139.6 | 10 | 70.2 | 69.9 | 57.6 | 70.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 142.4 | 11 | 70.3 | 70 | 58.5 | 70.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 145.2 | 12 | 70.3 | 69.9 | 59.7 | 70.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 148 | 13 | 70.4 | 69.9 | 60.6 | 70.4 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 150.8 | 14 | 70.4 | 69.8 | 61.2 | 70.4 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 153.6 | 15 | 70.4 | 69.8 | 61.4 | 70.4 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 156.4 | 16 | 70.3 | 69.7 | 61.5 | 70.3 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 159.2 | 17 | 70.3 | 69.7 | 61.5 | 70.3 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 162 | 18 | 70.2 | 69.6 | 61.5 | 70.2 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 164.8 | 19 | 70.2 | 69.5 | 61.5 | 70.2 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 167.6 | 20 | 70.1 | 69.4 | 61.5 | 70.1 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 170.4 | 21 | 70 | 69.3 | 61.4 | 70 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-205 | 173.2 | 22 | 69.9 | 69.2 | 61.4 | 69.9 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 114.4 | 1 | 68.4 | 67.4 | 58.7 | 67.9 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 117.2 | 2 | 68.4 | 67.5 | 58.6 | 68 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 120 | 3 | 68.7 | 67.9 | 58.7 | 68.4 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 122.8 | 4 | 69.1 | 68.3 | 58.7 | 68.8 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 125.6 | 5 | 69.5 | 68.8 | 58.7 | 69.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 128.4 | 6 | 69.8 | 69.1 | 58.8 | 69.5 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 131.2 | 7 | 70 | 69.4 | 58.9 | 69.7 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 134 | 8 | 70.2 | 69.6 | 59 | 70 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 136.8 | 9 | 70.4 | 69.9 | 59.3 | 70.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 139.6 | 10 | 70.6 | 70.1 | 59.6 | 70.4 | 70 | N | 0.3 | N | N | N | 2 | 0 | 2 |
| NSLE-206 | 142.4 | 11 | 70.8 | 70.2 | 60.2 | 70.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 145.2 | 12 | 70.9 | 70.2 | 60.9 | 70.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 148 | 13 | 70.9 | 70.2 | 61.6 | 70.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 150.8 | 14 | 71 | 70.2 | 62.1 | 70.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 153.6 | 15 | 71 | 70.1 | 62.5 | 70.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 156.4 | 16 | 71 | 70.1 | 62.6 | 70.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 159.2 | 17 | 70.9 | 70 | 62.7 | 70.7 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 162 | 18 | 70.9 | 70 | 62.7 | 70.7 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 164.8 | 19 | 70.8 | 69.9 | 62.6 | 70.6 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 167.6 | 20 | 70.7 | 69.8 | 62.6 | 70.6 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 170.4 | 21 | 70.6 | 69.7 | 62.5 | 70.5 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NSLE-206 | 173.2 | 22 | 70.5 | 69.6 | 62.4 | 70.4 | 70 | N | 0.8 | N | N | N | 2 | 0 | 2 |
| NSLE-207 | 114.4 | 1 | 69.3 | 67.9 | 57.5 | 68.3 | 70 | N | 0.4 | N | N | N | 2 | 2 | 0 |
| NSLE-207 | 117.2 | 2 | 69.4 | 68.1 | 57.4 | 68.4 | 70 | N | 0.3 | N | N | N | 2 | 2 | 0 |
| NSLE-207 | 120 | 3 | 69.6 | 68.4 | 57.6 | 68.7 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 122.8 | 4 | 70 | 68.9 | 57.7 | 69.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 125.6 | 5 | 70.4 | 69.4 | 57.7 | 69.7 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 128.4 | 6 | 70.6 | 69.7 | 57.8 | 70 | 70 | N | 0.3 | N | N | N | 2 | 0 | 2 |
| NSLE-207 | 131.2 | 7 | 70.8 | 69.9 | 57.9 | 70.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 2 |
| NSLE-207 | 134 | 8 | 71 | 70.2 | 58.2 | 70.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 136.8 | 9 | 71.2 | 70.5 | 58.5 | 70.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 139.6 | 10 | 71.5 | 70.7 | 58.9 | 71 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 142.4 | 11 | 71.6 | 70.9 | 59.7 | 71.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 145.2 | 12 | 71.7 | 70.9 | 60.2 | 71.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 148 | 13 | 71.8 | 71 | 61.2 | 71.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 150.8 | 14 | 71.8 | 70.9 | 61.9 | 71.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 153.6 | 15 | 71.8 | 70.9 | 62.3 | 71.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 156.4 | 16 | 71.8 | 70.8 | 62.6 | 71.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 159.2 | 17 | 71.8 | 70.8 | 62.7 | 71.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 162 | 18 | 71.8 | 70.7 | 62.8 | 71.4 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 164.8 | 19 | 71.7 | 70.6 | 62.8 | 71.3 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 167.6 | 20 | 71.6 | 70.6 | 62.8 | 71.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 170.4 | 21 | 71.6 | 70.5 | 62.8 | 71.2 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-207 | 173.2 | 22 | 71.5 | 70.4 | 62.8 | 71.1 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NSLE-301 | 125.3 | 1 | 63.5 | 63.4 | 47.5 | 63.5 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 128.1 | 2 | 64.1 | 64.1 | 48.1 | 64.2 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 130.9 | 3 | 64.9 | 64.8 | 48.9 | 64.9 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 133.7 | 4 | 65.6 | 65.5 | 49.8 | 65.6 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 136.5 | 5 | 66.2 | 66.1 | 50.8 | 66.3 | 70 | N | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 139.3 | 6 | 66.9 | 66.8 | 52.1 | 66.9 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 142.1 | 7 | 67.5 | 67.4 | 53.4 | 67.5 | 70 | N | 0.1 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 144.9 | 8 | 68.1 | 68 | 55.2 | 68.2 | 70 | N | 0.2 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 147.7 | 9 | 68.8 | 68.5 | 56.6 | 68.8 | 70 | N | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 150.5 | 10 | 69.4 | 69.1 | 58 | 69.4 | 70 | N | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 153.3 | 11 | 70 | 69.7 | 59.1 | 70.1 | 70 | N | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 156.1 | 12 | 70.6 | 70.2 | 60.1 | 70.6 | 70 | Y | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 158.9 | 13 | 71.3 | 70.9 | 60.8 | 71.3 | 70 | Y | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 161.7 | 14 | 71.8 | 71.5 | 61.2 | 71.9 | 70 | Y | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 164.5 | 15 | 72.2 | 71.9 | 61.5 | 72.3 | 70 | Y | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 167.3 | 16 | 72.5 | 72.2 | 61.6 | 72.6 | 70 | Y | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 170.1 | 17 | 72.7 | 72.4 | 61.7 | 72.8 | 70 | Y | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 172.9 | 18 | 72.9 | 72.6 | 61.8 | 72.9 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 175.7 | 19 | 73 | 72.7 | 61.8 | 73 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 178.5 | 20 | 73 | 72.7 | 61.8 | 73.1 | 70 | Y | 0.4 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 181.3 | 21 | 73.1 | 72.8 | 61.9 | 73.1 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 184.1 | 22 | 73.1 | 72.8 | 61.9 | 73.1 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 186.9 | 23 | 73.1 | 72.8 | 61.9 | 73.1 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-301 | 189.7 | 24 | 73.1 | 72.8 | 61.8 | 73.1 | 70 | Y | 0.3 | N | N | N | 3 | 0 | 0 |
| NSLE-302 | 125.3 | 1 | 63.8 | 63.7 | 46.3 | 63.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 128.1 | 2 | 64.4 | 64.4 | 47 | 64.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 130.9 | 3 | 65.1 | 65 | 47.8 | 65.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 133.7 | 4 | 65.9 | 65.8 | 48.7 | 65.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 136.5 | 5 | 66.6 | 66.6 | 49.7 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 139.3 | 6 | 67.3 | 67.2 | 50.9 | 67.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 142.1 | 7 | 68.1 | 68 | 52.5 | 68.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 144.9 | 8 | 68.8 | 68.6 | 54.2 | 68.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 147.7 | 9 | 69.5 | 69.3 | 56 | 69.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 150.5 | 10 | 70.2 | 69.9 | 57.7 | 70.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 153.3 | 11 | 70.8 | 70.6 | 58.9 | 70.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 156.1 | 12 | 71.4 | 71.1 | 60 | 71.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 158.9 | 13 | 72.1 | 71.8 | 60.7 | 72.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 161.7 | 14 | 72.6 | 72.4 | 61.1 | 72.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 164.5 | 15 | 73 | 72.8 | 61.4 | 73.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 167.3 | 16 | 73.3 | 73 | 61.5 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 170.1 | 17 | 73.5 | 73.2 | 61.6 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 172.9 | 18 | 73.6 | 73.3 | 61.7 | 73.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSLE-302 | 175.7 | 19 | 73.7 | 73.4 | 61.7 | 73.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 178.5 | 20 | 73.7 | 73.5 | 61.7 | 73.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 181.3 | 21 | 73.7 | 73.5 | 61.7 | 73.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 184.1 | 22 | 73.7 | 73.5 | 61.7 | 73.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 186.9 | 23 | 73.7 | 73.5 | 61.7 | 73.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSLE-302 | 189.7 | 24 | 73.7 | 73.5 | 61.6 | 73.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSLE-303 | 110 | 1 | 76.8 | 76.8 | 39.3 | 76.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 112.8 | 2 | 76.7 | 76.7 | 39.8 | 76.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 115.6 | 3 | 76.5 | 76.4 | 40.3 | 76.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 118.4 | 4 | 76.1 | 76 | 40.8 | 76 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 121.2 | 5 | 75.7 | 75.6 | 41.6 | 75.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 124 | 6 | 75.3 | 75.2 | 42.6 | 75.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 126.8 | 7 | 74.9 | 74.8 | 43.6 | 74.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 129.6 | 8 | 74.5 | 74.4 | 44.9 | 74.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 132.4 | 9 | 74.2 | 74.1 | 46 | 74.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 135.2 | 10 | 73.9 | 73.8 | 47 | 73.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 138 | 11 | 73.6 | 73.5 | 47.6 | 73.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 140.8 | 12 | 73.4 | 73.2 | 48 | 73.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 143.6 | 13 | 73.1 | 73 | 48.3 | 73 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 146.4 | 14 | 72.9 | 72.7 | 48.5 | 72.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 149.2 | 15 | 72.7 | 72.5 | 48.7 | 72.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 152 | 16 | 72.5 | 72.3 | 48.7 | 72.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 154.8 | 17 | 72.3 | 72.1 | 48.7 | 72.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 157.6 | 18 | 72.2 | 72 | 48.7 | 72 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 160.4 | 19 | 72 | 71.8 | 48.8 | 71.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 163.2 | 20 | 71.8 | 71.6 | 48.8 | 71.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 166 | 21 | 71.7 | 71.5 | 48.8 | 71.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 168.8 | 22 | 71.5 | 71.3 | 48.8 | 71.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 171.6 | 23 | 71.4 | 71.2 | 48.8 | 71.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSLE-303 | 174.4 | 24 | 71.3 | 71.1 | 48.9 | 71.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSTC-101 | 114.7 | 1 | 71.2 | 71 | 52.6 | 71.1 | 65 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSTC-101 | 117.7 | 2 | 71.3 | 71.1 | 54.1 | 71.2 | 65 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSTC-101 | 120.7 | 3 | 71.6 | 71.1 | 56.2 | 71.3 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSTC-101 | 123.7 | 4 | 72.1 | 71.2 | 59 | 71.4 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSTC-101 | 126.7 | 5 | 72.6 | 71.2 | 61.1 | 71.6 | 65 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NSTC-101 | 129.7 | 6 | 72.9 | 71.3 | 62.5 | 71.9 | 65 | Y | 0.6 | N | N | N | 2 | 2 | 0 |
| NSTC-101 | 132.7 | 7 | 73.1 | 71.5 | 63.3 | 72.1 | 65 | Y | 0.6 | N | N | N | 2 | 2 | 0 |
| NSTC-101 | 135.7 | 8 | 73.3 | 71.6 | 64 | 72.3 | 65 | Y | 0.7 | N | N | N | 2 | 2 | 0 |
| NSTC-102 | 120.9 | 1 | 69.6 | 69.5 | 51.4 | 69.6 | 65 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSTC-102 | 123.9 | 2 | 69.8 | 69.5 | 53.4 | 69.7 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSTC-102 | 126.9 | 3 | 70.2 | 69.6 | 56 | 69.8 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSTC-102 | 129.9 | 4 | 70.9 | 69.7 | 58.9 | 70 | 65 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NSTC-102 | 132.9 | 5 | 71.6 | 69.8 | 61.1 | 70.4 | 65 | Y | 0.6 | N | N | N | 2 | 2 | 0 |
| NSTC-102 | 135.9 | 6 | 72 | 70 | 62.4 | 70.7 | 65 | Y | 0.7 | N | N | N | 2 | 2 | 0 |
| NSTC-102 | 138.9 | 7 | 72.4 | 70.3 | 63.3 | 71.1 | 65 | Y | 0.8 | N | N | N | 2 | 2 | 0 |
| NSTC-102 | 141.9 | 8 | 72.6 | 70.5 | 63.8 | 71.3 | 65 | Y | 0.8 | N | N | N | 2 | 2 | 0 |
| NSTC-103 | 114.7 | 1 | 68.8 | 68.6 | 51.3 | 68.7 | 65 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSTC-103 | 117.7 | 2 | 69 | 68.7 | 53.2 | 68.8 | 65 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSTC-103 | 120.7 | 3 | 69.4 | 68.8 | 55.7 | 69 | 65 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NSTC-103 | 123.7 | 4 | 70.1 | 68.9 | 58.4 | 69.3 | 65 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NSTC-103 | 126.7 | 5 | 70.9 | 69.2 | 60.7 | 69.7 | 65 | Y | 0.5 | N | N | N | 2 | 2 | 0 |
| NSTC-103 | 129.7 | 6 | 71.5 | 69.4 | 62 | 70.2 | 65 | Y | 0.8 | N | N | N | 2 | 2 | 0 |
| NSTC-103 | 132.7 | 7 | 71.9 | 69.8 | 63 | 70.6 | 65 | Y | 0.8 | N | N | N | 2 | 2 | 0 |
| NSTC-103 | 135.7 | 8 | 72.2 | 70 | 63.5 | 70.9 | 65 | Y | 0.9 | N | N | N | 2 | 2 | 0 |
| NUCC-101 | 119.3 | 1 | 74.3 | 74.3 | 45.9 | 74.3 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NUCC-101 | 122.3 | 2 | 74.3 | 74.3 | 47.7 | 74.3 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NUCC-101 | 125.3 | 3 | 74.1 | 74.1 | 49.6 | 74.1 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NUCC-101 | 128.3 | 4 | 73.9 | 73.9 | 51.9 | 73.9 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NUCC-101 | 131.3 | 5 | 73.7 | 73.6 | 53.9 | 73.6 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NUCC-101 | 134.3 | 6 | 73.4 | 73.3 | 55.9 | 73.3 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NPTE-101 | 141.2 | 1 | 70.8 | 70.8 | 36.6 | 70.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 143.9 | 2 | 72.1 | 72.1 | 37.2 | 72.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 146.6 | 3 | 72.5 | 72.5 | 38.1 | 72.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 149.3 | 4 | 72.7 | 72.7 | 39.2 | 72.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 152 | 5 | 72.9 | 72.9 | 40 | 72.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 154.7 | 6 | 73 | 73 | 40.6 | 73 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 157.4 | 7 | 73 | 73 | 41.1 | 73 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 160.1 | 8 | 72.9 | 72.9 | 41.6 | 72.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 162.8 | 9 | 72.8 | 72.8 | 42.5 | 72.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 165.5 | 10 | 72.7 | 72.7 | 42.6 | 72.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 168.2 | 11 | 72.7 | 72.7 | 42.9 | 72.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 170.9 | 12 | 72.6 | 72.6 | 43.5 | 72.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 173.6 | 13 | 72.5 | 72.5 | 44 | 72.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 176.3 | 14 | 72.4 | 72.4 | 44.6 | 72.4 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 179 | 15 | 72.3 | 72.3 | 44.9 | 72.4 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 181.7 | 16 | 72.3 | 72.3 | 45.3 | 72.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 184.4 | 17 | 72.2 | 72.2 | 45.6 | 72.2 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 187.1 | 18 | 72.1 | 72.1 | 45.7 | 72.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 189.8 | 19 | 72 | 72 | 45.9 | 72 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 192.5 | 20 | 72 | 72 | 46 | 72 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 195.2 | 21 | 71.9 | 71.9 | 46.1 | 71.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 197.9 | 22 | 71.8 | 71.8 | 46.1 | 71.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 200.6 | 23 | 71.7 | 71.7 | 46.1 | 71.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 203.3 | 24 | 71.7 | 71.7 | 46.1 | 71.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 206 | 25 | 71.6 | 71.6 | 46.2 | 71.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 208.7 | 26 | 71.5 | 71.5 | 46.1 | 71.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 211.4 | 27 | 71.4 | 71.4 | 46.2 | 71.5 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 214.1 | 28 | 71.4 | 71.4 | 46.2 | 71.4 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 216.8 | 29 | 71.3 | 71.3 | 46.1 | 71.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 219.5 | 30 | 71.2 | 71.2 | 46.2 | 71.2 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 222.2 | 31 | 71.2 | 71.2 | 46.1 | 71.2 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 224.9 | 32 | 71.1 | 71.1 | 46.1 | 71.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 227.6 | 33 | 71 | 71 | 46.1 | 71 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 230.3 | 34 | 71 | 71 | 46.2 | 71 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-101 | 233 | 35 | 70.9 | 70.9 | 46.4 | 70.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-102 | 141.2 | 1 | 68 | 67.7 | 53.8 | 67.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 143.9 | 2 | 70.5 | 70.1 | 56.3 | 70.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 2 |
| NPTE-102 | 146.6 | 3 | 72.7 | 72.2 | 57 | 72.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 149.3 | 4 | 73.8 | 73.3 | 57.2 | 73.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 152 | 5 | 74.2 | 73.7 | 57.4 | 73.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 154.7 | 6 | 74.3 | 73.8 | 57.6 | 73.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 157.4 | 7 | 74.3 | 73.8 | 57.7 | 73.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 160.1 | 8 | 74.2 | 73.7 | 58 | 73.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 162.8 | 9 | 74.2 | 73.7 | 58.2 | 73.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 165.5 | 10 | 74.1 | 73.6 | 58.4 | 73.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 168.2 | 11 | 74.1 | 73.6 | 58.7 | 73.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 170.9 | 12 | 74 | 73.5 | 58.9 | 73.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 173.6 | 13 | 74 | 73.4 | 59.2 | 73.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 176.3 | 14 | 73.9 | 73.4 | 59.3 | 73.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 179 | 15 | 73.9 | 73.3 | 59.5 | 73.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 181.7 | 16 | 73.8 | 73.2 | 59.8 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 184.4 | 17 | 73.8 | 73.2 | 60 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 187.1 | 18 | 73.7 | 73.1 | 60.2 | 73.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-102 | 189.8 | 19 | 73.6 | 73.1 | 60.3 | 73.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 192.5 | 20 | 73.6 | 73 | 60.4 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 195.2 | 21 | 73.5 | 73 | 60.6 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 197.9 | 22 | 73.5 | 72.9 | 60.8 | 73.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 200.6 | 23 | 73.4 | 72.8 | 61 | 73.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 203.3 | 24 | 73.4 | 72.8 | 61.1 | 73.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 206 | 25 | 73.3 | 72.7 | 61.2 | 73 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 208.7 | 26 | 73.2 | 72.7 | 61.3 | 73 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 211.4 | 27 | 73.2 | 72.7 | 61.4 | 73 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 214.1 | 28 | 73.1 | 72.6 | 61.5 | 72.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 216.8 | 29 | 73.1 | 72.5 | 61.5 | 72.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 219.5 | 30 | 73 | 72.5 | 61.5 | 72.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 222.2 | 31 | 73 | 72.4 | 61.6 | 72.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 224.9 | 32 | 72.9 | 72.4 | 61.6 | 72.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 227.6 | 33 | 72.9 | 72.3 | 61.6 | 72.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 230.3 | 34 | 72.8 | 72.3 | 61.6 | 72.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-102 | 233 | 35 | 72.8 | 72.2 | 61.6 | 72.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-103 | 141.2 | 1 | 61.8 | 61.3 | 50.9 | 61.7 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 143.9 | 2 | 65.4 | 65 | 53.6 | 65.3 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 146.6 | 3 | 67.2 | 66.5 | 55.8 | 66.8 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 149.3 | 4 | 68.4 | 67.4 | 56.7 | 67.8 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 152 | 5 | 69.1 | 67.9 | 57.1 | 68.2 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 154.7 | 6 | 69.5 | 68 | 57.4 | 68.3 | 70 | N | 0.3 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 157.4 | 7 | 69.6 | 68 | 57.5 | 68.4 | 70 | N | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 160.1 | 8 | 69.7 | 68 | 57.6 | 68.4 | 70 | N | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 162.8 | 9 | 69.7 | 68 | 57.9 | 68.4 | 70 | N | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 165.5 | 10 | 69.7 | 68 | 58.1 | 68.4 | 70 | N | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 168.2 | 11 | 69.7 | 67.9 | 58.3 | 68.4 | 70 | N | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 170.9 | 12 | 69.7 | 67.9 | 58.5 | 68.4 | 70 | N | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 173.6 | 13 | 69.6 | 67.9 | 58.7 | 68.4 | 70 | N | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 176.3 | 14 | 69.6 | 67.8 | 58.9 | 68.3 | 70 | N | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 179 | 15 | 69.6 | 67.8 | 59.1 | 68.4 | 70 | N | 0.6 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 181.7 | 16 | 69.5 | 67.8 | 59.3 | 68.4 | 70 | N | 0.6 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 184.4 | 17 | 69.5 | 67.8 | 59.5 | 68.4 | 70 | N | 0.6 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 187.1 | 18 | 69.5 | 67.7 | 59.8 | 68.4 | 70 | N | 0.7 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 189.8 | 19 | 69.4 | 67.7 | 60 | 68.4 | 70 | N | 0.7 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 192.5 | 20 | 69.4 | 67.7 | 60.2 | 68.4 | 70 | N | 0.7 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 195.2 | 21 | 69.4 | 67.6 | 60.3 | 68.4 | 70 | N | 0.8 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 197.9 | 22 | 69.3 | 67.6 | 60.5 | 68.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 0 |
| NPTE-103 | 200.6 | 23 | 69.3 | 67.6 | 60.6 | 68.4 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 203.3 | 24 | 69.3 | 67.5 | 60.8 | 68.4 | 70 | N | 0.9 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 206 | 25 | 69.2 | 67.5 | 61 | 68.4 | 70 | N | 0.9 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 208.7 | 26 | 69.2 | 67.5 | 61.1 | 68.4 | 70 | N | 0.9 | N | N | N | 6 | 0 | 0 |
| NPTE-103 | 211.4 | 27 | 69.2 | 67.4 | 61.2 | 68.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 214.1 | 28 | 69.1 | 67.4 | 61.4 | 68.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 216.8 | 29 | 69.1 | 67.4 | 61.4 | 68.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 219.5 | 30 | 69 | 67.3 | 61.5 | 68.4 | 70 | N | 1.1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 222.2 | 31 | 69 | 67.3 | 61.6 | 68.4 | 70 | N | 1.1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 224.9 | 32 | 69 | 67.3 | 61.6 | 68.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 227.6 | 33 | 69 | 67.3 | 61.6 | 68.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 230.3 | 34 | 68.9 | 67.3 | 61.7 | 68.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 0 |
| NPTE-103 | 233 | 35 | 68.9 | 67.2 | 61.7 | 68.3 | 70 | N | 1.1 | Y | N | N | 6 | 0 | 0 |
| NPTE-104 | 141.2 | 1 | 59.9 | 59.4 | 49.4 | 59.8 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 143.9 | 2 | 63.8 | 63.4 | 51.6 | 63.6 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 146.6 | 3 | 66 | 65.5 | 54 | 65.8 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 149.3 | 4 | 67.3 | 66.7 | 55.6 | 67 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 152 | 5 | 68.5 | 67.7 | 56.5 | 68 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 154.7 | 6 | 69.5 | 68.4 | 56.9 | 68.7 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 157.4 | 7 | 70 | 68.8 | 57.1 | 69.1 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 160.1 | 8 | 70.3 | 69 | 57.3 | 69.3 | 70 | N | 0.3 | N | N | N | 6 | 6 | 0 |
| NPTE-104 | 162.8 | 9 | 70.5 | 69.1 | 57.5 | 69.4 | 70 | N | 0.3 | N | N | N | 6 | 6 | 6 |
| NPTE-104 | 165.5 | 10 | 70.5 | 69.2 | 57.7 | 69.5 | 70 | N | 0.3 | N | N | N | 6 | 6 | 6 |
| NPTE-104 | 168.2 | 11 | 70.5 | 69.1 | 57.9 | 69.4 | 70 | N | 0.3 | N | N | N | 6 | 6 | 6 |
| NPTE-104 | 170.9 | 12 | 70.5 | 69.1 | 58.1 | 69.5 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-104 | 173.6 | 13 | 70.5 | 69.1 | 58.3 | 69.4 | 70 | N | 0.3 | N | N | N | 6 | 6 | 6 |
| NPTE-104 | 176.3 | 14 | 70.5 | 69 | 58.6 | 69.4 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-104 | 179 | 15 | 70.4 | 69 | 58.8 | 69.4 | 70 | N | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-104 | 181.7 | 16 | 70.4 | 69 | 59 | 69.4 | 70 | N | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-104 | 184.4 | 17 | 70.4 | 68.9 | 59.2 | 69.4 | 70 | N | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-104 | 187.1 | 18 | 70.3 | 68.9 | 59.5 | 69.4 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 189.8 | 19 | 70.3 | 68.8 | 59.7 | 69.3 | 70 | N | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-104 | 192.5 | 20 | 70.3 | 68.8 | 60 | 69.3 | 70 | N | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-104 | 195.2 | 21 | 70.2 | 68.8 | 60.1 | 69.3 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 197.9 | 22 | 70.2 | 68.7 | 60.3 | 69.3 | 70 | N | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 200.6 | 23 | 70.1 | 68.7 | 60.4 | 69.3 | 70 | N | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 203.3 | 24 | 70.1 | 68.6 | 60.6 | 69.3 | 70 | N | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 206 | 25 | 70.1 | 68.6 | 60.8 | 69.3 | 70 | N | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 208.7 | 26 | 70 | 68.6 | 60.9 | 69.3 | 70 | N | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 211.4 | 27 | 70 | 68.5 | 61.1 | 69.3 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 214.1 | 28 | 69.9 | 68.5 | 61.3 | 69.3 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 216.8 | 29 | 69.9 | 68.5 | 61.4 | 69.2 | 70 | N | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 219.5 | 30 | 69.8 | 68.4 | 61.5 | 69.2 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 222.2 | 31 | 69.8 | 68.4 | 61.5 | 69.2 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 224.9 | 32 | 69.8 | 68.4 | 61.6 | 69.2 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 227.6 | 33 | 69.7 | 68.3 | 61.6 | 69.1 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 230.3 | 34 | 69.7 | 68.3 | 61.7 | 69.1 | 70 | N | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-104 | 233 | 35 | 69.7 | 68.2 | 61.7 | 69.1 | 70 | N | 0.9 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 141.2 | 1 | 60.6 | 60.4 | 46.9 | 60.6 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 143.9 | 2 | 64.5 | 64.3 | 48.1 | 64.4 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 146.6 | 3 | 66.3 | 66.1 | 49.3 | 66.2 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 149.3 | 4 | 67.4 | 67.1 | 50.5 | 67.2 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 152 | 5 | 68.5 | 68 | 51.4 | 68.1 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 154.7 | 6 | 69.3 | 68.6 | 51.8 | 68.7 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 157.4 | 7 | 69.8 | 69.1 | 52.2 | 69.2 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 160.1 | 8 | 70.1 | 69.3 | 52.7 | 69.4 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 162.8 | 9 | 70.3 | 69.6 | 53.2 | 69.7 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 165.5 | 10 | 70.5 | 69.8 | 53.6 | 69.9 | 70 | N | 0.1 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 168.2 | 11 | 70.6 | 70 | 54 | 70.1 | 70 | N | 0.1 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 170.9 | 12 | 70.7 | 70 | 54.3 | 70.2 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 173.6 | 13 | 70.8 | 70.1 | 54.7 | 70.2 | 70 | N | 0.1 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 176.3 | 14 | 70.8 | 70.2 | 54.9 | 70.3 | 70 | N | 0.1 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 179 | 15 | 70.8 | 70.1 | 55.3 | 70.3 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 181.7 | 16 | 70.8 | 70.1 | 55.7 | 70.3 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 184.4 | 17 | 70.7 | 70.1 | 56 | 70.3 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 187.1 | 18 | 70.7 | 70.1 | 56.6 | 70.3 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 189.8 | 19 | 70.7 | 70 | 57.1 | 70.2 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 192.5 | 20 | 70.6 | 70 | 57.1 | 70.2 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 195.2 | 21 | 70.6 | 69.9 | 57.3 | 70.2 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 197.9 | 22 | 70.6 | 69.9 | 57.7 | 70.1 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 200.6 | 23 | 70.5 | 69.9 | 58 | 70.1 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 203.3 | 24 | 70.5 | 69.8 | 58.4 | 70.1 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-201 | 206 | 25 | 70.4 | 69.8 | 58.6 | 70.1 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 208.7 | 26 | 70.4 | 69.7 | 59 | 70.1 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-201 | 211.4 | 27 | 70.4 | 69.7 | 59.1 | 70 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 214.1 | 28 | 70.3 | 69.6 | 59.3 | 70 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 216.8 | 29 | 70.3 | 69.6 | 59.5 | 70 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 219.5 | 30 | 70.2 | 69.6 | 59.6 | 70 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 222.2 | 31 | 70.2 | 69.5 | 59.6 | 69.9 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 224.9 | 32 | 70.2 | 69.5 | 59.7 | 69.9 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 227.6 | 33 | 70.1 | 69.4 | 59.8 | 69.9 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 230.3 | 34 | 70.1 | 69.4 | 59.9 | 69.9 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-201 | 233 | 35 | 70 | 69.4 | 60 | 69.8 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 141.2 | 1 | 60.2 | 60.2 | 15.5 | 60.2 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 143.9 | 2 | 62.7 | 62.7 | 19 | 62.7 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 146.6 | 3 | 64.8 | 64.7 | 23 | 64.7 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 149.3 | 4 | 66.6 | 66.5 | 24.4 | 66.5 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 152 | 5 | 67.5 | 67.5 | 24.7 | 67.5 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 154.7 | 6 | 68 | 68 | 25 | 68 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 157.4 | 7 | 68.3 | 68.3 | 25.1 | 68.3 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 160.1 | 8 | 68.6 | 68.6 | 25.2 | 68.6 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 162.8 | 9 | 68.8 | 68.8 | 25.3 | 68.8 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 165.5 | 10 | 69 | 68.9 | 25.3 | 68.9 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 168.2 | 11 | 69.2 | 69.1 | 25.4 | 69.1 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 170.9 | 12 | 69.3 | 69.3 | 25.5 | 69.3 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 173.6 | 13 | 69.4 | 69.4 | 25.6 | 69.4 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 176.3 | 14 | 69.5 | 69.5 | 25.5 | 69.5 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 179 | 15 | 69.6 | 69.6 | 25.6 | 69.6 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 181.7 | 16 | 69.6 | 69.6 | 25.7 | 69.6 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 184.4 | 17 | 69.6 | 69.5 | 25.7 | 69.5 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 187.1 | 18 | 69.5 | 69.5 | 25.8 | 69.5 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 189.8 | 19 | 69.5 | 69.5 | 25.9 | 69.5 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 192.5 | 20 | 69.5 | 69.4 | 26 | 69.4 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 195.2 | 21 | 69.4 | 69.4 | 26 | 69.4 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 197.9 | 22 | 69.4 | 69.3 | 26 | 69.3 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 200.6 | 23 | 69.3 | 69.3 | 26 | 69.3 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 203.3 | 24 | 69.2 | 69.2 | 26.1 | 69.2 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 206 | 25 | 69.2 | 69.2 | 26 | 69.2 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 208.7 | 26 | 69.1 | 69.1 | 26.1 | 69.1 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 211.4 | 27 | 69.1 | 69.1 | 26 | 69.1 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 214.1 | 28 | 69 | 69 | 26 | 69 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 216.8 | 29 | 69 | 69 | 26 | 69 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 219.5 | 30 | 68.9 | 68.9 | 26 | 68.9 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 222.2 | 31 | 68.9 | 68.9 | 25.9 | 68.9 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 224.9 | 32 | 68.8 | 68.8 | 25.9 | 68.8 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 227.6 | 33 | 68.8 | 68.8 | 25.9 | 68.8 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 230.3 | 34 | 68.8 | 68.8 | 25.8 | 68.8 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-202 | 233 | 35 | 68.7 | 68.7 | 25.8 | 68.7 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-203 | 141.2 | 1 | 70.6 | 70.2 | 56.1 | 70.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 2 |
| NPTE-203 | 143.9 | 2 | 72.3 | 71.7 | 57.7 | 71.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 146.6 | 3 | 73.2 | 72.4 | 58.2 | 72.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 149.3 | 4 | 73.6 | 72.7 | 58.4 | 72.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 152 | 5 | 73.8 | 72.8 | 58.7 | 72.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 154.7 | 6 | 73.9 | 72.9 | 58.9 | 73.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 157.4 | 7 | 73.9 | 72.9 | 59.2 | 73.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 160.1 | 8 | 74 | 73 | 59.5 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 162.8 | 9 | 74 | 73 | 59.7 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 165.5 | 10 | 74 | 73 | 60 | 73.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 168.2 | 11 | 74 | 73.1 | 60.3 | 73.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 170.9 | 12 | 74.1 | 73.1 | 60.7 | 73.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 173.6 | 13 | 74.1 | 73.2 | 61 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 176.3 | 14 | 74.1 | 73.2 | 61.5 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 179 | 15 | 74.1 | 73.2 | 61.5 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 181.7 | 16 | 74.1 | 73.2 | 61.8 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 184.4 | 17 | 74.1 | 73.2 | 62.1 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 187.1 | 18 | 74.1 | 73.2 | 62.3 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 189.8 | 19 | 74 | 73.1 | 62.6 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 192.5 | 20 | 74 | 73.1 | 62.8 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 195.2 | 21 | 74 | 73.1 | 63.1 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 197.9 | 22 | 73.9 | 73 | 63.2 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 200.6 | 23 | 73.9 | 73 | 63.3 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 203.3 | 24 | 73.8 | 73 | 63.3 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 206 | 25 | 73.8 | 72.9 | 63.5 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 208.7 | 26 | 73.8 | 72.9 | 63.5 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 211.4 | 27 | 73.7 | 72.9 | 63.5 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 214.1 | 28 | 73.7 | 72.8 | 63.6 | 73.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 216.8 | 29 | 73.7 | 72.8 | 63.6 | 73.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 219.5 | 30 | 73.6 | 72.8 | 63.6 | 73.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 222.2 | 31 | 73.6 | 72.8 | 63.6 | 73.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 224.9 | 32 | 73.6 | 72.7 | 63.7 | 73.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 227.6 | 33 | 73.5 | 72.7 | 63.6 | 73.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 230.3 | 34 | 73.5 | 72.6 | 63.7 | 73.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-203 | 233 | 35 | 73.4 | 72.6 | 63.6 | 73.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-204 | 141.2 | 1 | 65.8 | 65.4 | 53.2 | 65.6 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-204 | 143.9 | 2 | 68.9 | 68.5 | 55.8 | 68.7 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-204 | 146.6 | 3 | 70 | 69.4 | 57.5 | 69.7 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-204 | 149.3 | 4 | 70.8 | 69.7 | 58.4 | 70 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-204 | 152 | 5 | 71.2 | 69.8 | 58.8 | 70.1 | 70 | N | 0.3 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 154.7 | 6 | 71.5 | 69.8 | 59.1 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 157.4 | 7 | 71.5 | 69.8 | 59.2 | 70.1 | 70 | N | 0.3 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 160.1 | 8 | 71.6 | 69.8 | 59.4 | 70.1 | 70 | N | 0.3 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 162.8 | 9 | 71.6 | 69.8 | 59.6 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 165.5 | 10 | 71.6 | 69.8 | 59.8 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 168.2 | 11 | 71.6 | 69.7 | 60 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 170.9 | 12 | 71.6 | 69.7 | 60.2 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 173.6 | 13 | 71.6 | 69.7 | 60.5 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 176.3 | 14 | 71.5 | 69.7 | 60.7 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 179 | 15 | 71.5 | 69.6 | 61.1 | 70.2 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 181.7 | 16 | 71.5 | 69.6 | 61.4 | 70.2 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 184.4 | 17 | 71.4 | 69.6 | 61.6 | 70.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 187.1 | 18 | 71.4 | 69.6 | 61.8 | 70.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 189.8 | 19 | 71.4 | 69.6 | 62 | 70.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 192.5 | 20 | 71.4 | 69.6 | 62.3 | 70.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 195.2 | 21 | 71.3 | 69.6 | 62.6 | 70.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 197.9 | 22 | 71.3 | 69.5 | 62.8 | 70.3 | 70 | N | 0.8 | N | N | N | 6 | 6 | 6 |
| NPTE-204 | 200.6 | 23 | 71.3 | 69.5 | 62.9 | 70.4 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-204 | 203.3 | 24 | 71.3 | 69.5 | 63 | 70.4 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-204 | 206 | 25 | 71.2 | 69.5 | 63.1 | 70.4 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-204 | 208.7 | 26 | 71.2 | 69.5 | 63.2 | 70.4 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-204 | 211.4 | 27 | 71.2 | 69.4 | 63.3 | 70.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-204 | 214.1 | 28 | 71.1 | 69.4 | 63.4 | 70.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-204 | 216.8 | 29 | 71.1 | 69.4 | 63.4 | 70.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-204 | 219.5 | 30 | 71.1 | 69.4 | 63.5 | 70.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-204 | 222.2 | 31 | 71 | 69.4 | 63.4 | 70.4 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-204 | 224.9 | 32 | 71 | 69.3 | 63.5 | 70.4 | 70 | N | 1.1 | Y | N | N | 6 | 0 | 6 |
| NPTE-204 | 227.6 | 33 | 71 | 69.3 | 63.5 | 70.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-204 | 230.3 | 34 | 71 | 69.3 | 63.5 | 70.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-204 | 233 | 35 | 70.9 | 69.3 | 63.5 | 70.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-205 | 141.2 | 1 | 63.1 | 62.7 | 51.2 | 63 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-205 | 143.9 | 2 | 67.1 | 66.8 | 53.5 | 67 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-205 | 146.6 | 3 | 69 | 68.7 | 55.6 | 68.9 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-205 | 149.3 | 4 | 69.9 | 69.4 | 57.1 | 69.6 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-205 | 152 | 5 | 70.6 | 69.7 | 58.2 | 70 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 154.7 | 6 | 71 | 69.8 | 58.7 | 70.1 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 157.4 | 7 | 71.3 | 69.8 | 59 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 160.1 | 8 | 71.5 | 69.8 | 59.1 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 162.8 | 9 | 71.6 | 69.8 | 59.3 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 165.5 | 10 | 71.6 | 69.8 | 59.5 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 168.2 | 11 | 71.6 | 69.8 | 59.6 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 170.9 | 12 | 71.6 | 69.8 | 59.8 | 70.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 173.6 | 13 | 71.6 | 69.7 | 60 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 176.3 | 14 | 71.5 | 69.7 | 60.3 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 179 | 15 | 71.5 | 69.7 | 60.5 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 181.7 | 16 | 71.5 | 69.7 | 60.8 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 184.4 | 17 | 71.5 | 69.7 | 61 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 187.1 | 18 | 71.5 | 69.7 | 61.2 | 70.2 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 189.8 | 19 | 71.4 | 69.6 | 61.4 | 70.2 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 192.5 | 20 | 71.4 | 69.6 | 61.8 | 70.2 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 195.2 | 21 | 71.4 | 69.6 | 62 | 70.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 197.9 | 22 | 71.3 | 69.6 | 62.3 | 70.3 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 200.6 | 23 | 71.3 | 69.5 | 62.5 | 70.3 | 70 | N | 0.8 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 203.3 | 24 | 71.3 | 69.5 | 62.7 | 70.3 | 70 | N | 0.8 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 206 | 25 | 71.3 | 69.5 | 62.8 | 70.3 | 70 | N | 0.8 | N | N | N | 6 | 6 | 6 |
| NPTE-205 | 208.7 | 26 | 71.2 | 69.4 | 62.9 | 70.3 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 211.4 | 27 | 71.2 | 69.4 | 63 | 70.3 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 214.1 | 28 | 71.2 | 69.4 | 63.1 | 70.3 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 216.8 | 29 | 71.1 | 69.4 | 63.1 | 70.3 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 219.5 | 30 | 71.1 | 69.4 | 63.2 | 70.3 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 222.2 | 31 | 71.1 | 69.4 | 63.2 | 70.3 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-205 | 224.9 | 32 | 71 | 69.3 | 63.3 | 70.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-205 | 227.6 | 33 | 71 | 69.3 | 63.3 | 70.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-205 | 230.3 | 34 | 71 | 69.3 | 63.3 | 70.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-205 | 233 | 35 | 70.9 | 69.3 | 63.3 | 70.3 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-301 | 141.2 | 1 | 64.3 | 64 | 50.1 | 64.2 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 143.9 | 2 | 68.1 | 67.9 | 51.5 | 68 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 146.6 | 3 | 69.3 | 69 | 52.6 | 69.1 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 149.3 | 4 | 70 | 69.5 | 53.7 | 69.6 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 152 | 5 | 70.7 | 69.9 | 54.3 | 70 | 70 | N | 0.1 | N | N | N | 6 | 0 | 6 |
| NPTE-301 | 154.7 | 6 | 71.3 | 70.2 | 54.8 | 70.3 | 70 | N | 0.1 | N | N | N | 6 | 6 | 6 |
| NPTE-301 | 157.4 | 7 | 71.6 | 70.3 | 55.2 | 70.5 | 70 | Y | 0.2 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 160.1 | 8 | 71.8 | 70.4 | 55.6 | 70.6 | 70 | Y | 0.2 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 162.8 | 9 | 71.9 | 70.5 | 55.9 | 70.6 | 70 | Y | 0.1 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 165.5 | 10 | 71.9 | 70.5 | 56.4 | 70.7 | 70 | Y | 0.2 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 168.2 | 11 | 72 | 70.5 | 56.9 | 70.7 | 70 | Y | 0.2 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 170.9 | 12 | 72 | 70.5 | 57.3 | 70.7 | 70 | Y | 0.2 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 173.6 | 13 | 72 | 70.5 | 57.9 | 70.8 | 70 | Y | 0.3 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 176.3 | 14 | 72 | 70.5 | 58.6 | 70.8 | 70 | Y | 0.3 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 179 | 15 | 72 | 70.5 | 59 | 70.8 | 70 | Y | 0.3 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 181.7 | 16 | 72 | 70.5 | 59.3 | 70.8 | 70 | Y | 0.3 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 184.4 | 17 | 71.9 | 70.5 | 59.6 | 70.8 | 70 | Y | 0.3 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 187.1 | 18 | 71.9 | 70.5 | 60.1 | 70.9 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 189.8 | 19 | 71.9 | 70.5 | 60.6 | 70.9 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 192.5 | 20 | 71.9 | 70.4 | 61.1 | 70.9 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-301 | 195.2 | 21 | 71.8 | 70.4 | 61.4 | 70.9 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 197.9 | 22 | 71.8 | 70.4 | 61.7 | 71 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 200.6 | 23 | 71.8 | 70.4 | 61.9 | 71 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 203.3 | 24 | 71.8 | 70.4 | 62.2 | 71 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 206 | 25 | 71.7 | 70.4 | 62.3 | 71 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 208.7 | 26 | 71.7 | 70.3 | 62.4 | 71 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 211.4 | 27 | 71.7 | 70.3 | 62.5 | 71 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 214.1 | 28 | 71.6 | 70.3 | 62.6 | 71 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 216.8 | 29 | 71.6 | 70.3 | 62.6 | 71 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 219.5 | 30 | 71.6 | 70.2 | 62.7 | 70.9 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 222.2 | 31 | 71.5 | 70.2 | 62.8 | 70.9 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 224.9 | 32 | 71.5 | 70.2 | 62.8 | 70.9 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 227.6 | 33 | 71.5 | 70.2 | 62.8 | 70.9 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 230.3 | 34 | 71.4 | 70.2 | 62.9 | 70.9 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-301 | 233 | 35 | 71.4 | 70.1 | 62.8 | 70.9 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 141.2 | 1 | 66 | 65.9 | 48.8 | 66 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 143.9 | 2 | 67.8 | 67.6 | 50.1 | 67.6 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 146.6 | 3 | 68.8 | 68.3 | 51.4 | 68.4 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 149.3 | 4 | 69.7 | 68.9 | 52 | 68.9 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 152 | 5 | 70.1 | 69.2 | 52.4 | 69.3 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 154.7 | 6 | 70.3 | 69.3 | 52.9 | 69.4 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 157.4 | 7 | 70.4 | 69.4 | 53.3 | 69.5 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 160.1 | 8 | 70.4 | 69.4 | 53.8 | 69.6 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 162.8 | 9 | 70.4 | 69.5 | 54.2 | 69.6 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 165.5 | 10 | 70.4 | 69.5 | 54.6 | 69.7 | 70 | N | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 168.2 | 11 | 70.5 | 69.6 | 55.3 | 69.7 | 70 | N | 0.1 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 170.9 | 12 | 70.5 | 69.6 | 55.9 | 69.8 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 173.6 | 13 | 70.5 | 69.6 | 56.5 | 69.8 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 176.3 | 14 | 70.5 | 69.6 | 56.7 | 69.8 | 70 | N | 0.2 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 179 | 15 | 70.5 | 69.6 | 57 | 69.9 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 181.7 | 16 | 70.5 | 69.6 | 57.6 | 69.9 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 184.4 | 17 | 70.5 | 69.7 | 58.1 | 70 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 187.1 | 18 | 70.5 | 69.7 | 58.5 | 70 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 189.8 | 19 | 70.5 | 69.7 | 58.9 | 70 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 192.5 | 20 | 70.5 | 69.7 | 59.1 | 70 | 70 | N | 0.3 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 195.2 | 21 | 70.5 | 69.7 | 59.5 | 70.1 | 70 | N | 0.4 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 197.9 | 22 | 70.5 | 69.7 | 59.6 | 70.1 | 70 | N | 0.4 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 200.6 | 23 | 70.5 | 69.7 | 59.7 | 70.1 | 70 | N | 0.4 | N | N | N | 6 | 0 | 6 |
| NPTE-302 | 203.3 | 24 | 70.4 | 69.7 | 59.9 | 70.1 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 206 | 25 | 70.4 | 69.7 | 59.9 | 70.1 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 208.7 | 26 | 70.4 | 69.6 | 60 | 70.1 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 211.4 | 27 | 70.4 | 69.6 | 60 | 70.1 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 214.1 | 28 | 70.3 | 69.6 | 60.1 | 70.1 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 216.8 | 29 | 70.3 | 69.6 | 60.1 | 70.1 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 219.5 | 30 | 70.3 | 69.5 | 60.2 | 70 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 222.2 | 31 | 70.3 | 69.5 | 60.2 | 70 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 224.9 | 32 | 70.2 | 69.5 | 60.3 | 70 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 227.6 | 33 | 70.2 | 69.5 | 60.2 | 70 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 230.3 | 34 | 70.1 | 69.5 | 60.1 | 69.9 | 70 | N | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-302 | 233 | 35 | 70.1 | 69.4 | 60.2 | 69.9 | 70 | N | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-303 | 141.2 | 1 | 72.8 | 72.3 | 59 | 72.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 143.9 | 2 | 73.9 | 72.9 | 60.8 | 73.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 146.6 | 3 | 74.4 | 73.1 | 61.3 | 73.4 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 149.3 | 4 | 74.6 | 73.2 | 61.5 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 152 | 5 | 74.6 | 73.2 | 61.6 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 154.7 | 6 | 74.6 | 73.2 | 61.8 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 157.4 | 7 | 74.6 | 73.1 | 62 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-303 | 160.1 | 8 | 74.6 | 73.2 | 62.2 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 162.8 | 9 | 74.6 | 73.2 | 62.5 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 165.5 | 10 | 74.6 | 73.2 | 62.9 | 73.6 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 168.2 | 11 | 74.6 | 73.2 | 63 | 73.6 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NPTE-303 | 170.9 | 12 | 74.5 | 73.2 | 63.2 | 73.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 173.6 | 13 | 74.5 | 73.2 | 63.5 | 73.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 176.3 | 14 | 74.5 | 73.1 | 63.9 | 73.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 179 | 15 | 74.5 | 73.2 | 64.2 | 73.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 181.7 | 16 | 74.5 | 73.1 | 64.4 | 73.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 184.4 | 17 | 74.5 | 73.2 | 64.6 | 73.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 187.1 | 18 | 74.4 | 73.1 | 64.8 | 73.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 189.8 | 19 | 74.4 | 73.2 | 64.9 | 73.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 192.5 | 20 | 74.4 | 73.1 | 65.1 | 73.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 195.2 | 21 | 74.4 | 73.2 | 65.1 | 73.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 197.9 | 22 | 74.4 | 73.2 | 65.1 | 73.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 200.6 | 23 | 74.4 | 73.2 | 65.2 | 73.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 203.3 | 24 | 74.3 | 73.1 | 65.2 | 73.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 206 | 25 | 74.3 | 73.1 | 65.3 | 73.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 208.7 | 26 | 74.3 | 73.1 | 65.2 | 73.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 211.4 | 27 | 74.3 | 73.1 | 65.2 | 73.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 214.1 | 28 | 74.2 | 73.1 | 65.3 | 73.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 216.8 | 29 | 74.2 | 73.1 | 65.2 | 73.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 219.5 | 30 | 74.2 | 73.1 | 65.3 | 73.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 222.2 | 31 | 74.2 | 73 | 65.2 | 73.7 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 224.9 | 32 | 74.1 | 73 | 65.3 | 73.7 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 227.6 | 33 | 74.1 | 73 | 65.2 | 73.7 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 230.3 | 34 | 74.1 | 73 | 65.3 | 73.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-303 | 233 | 35 | 74 | 72.9 | 65.2 | 73.6 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-304 | 141.2 | 1 | 69.9 | 69.6 | 56.7 | 69.9 | 70 | N | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 143.9 | 2 | 71.1 | 70.6 | 59.5 | 71 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 146.6 | 3 | 71.6 | 70.8 | 60.6 | 71.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 149.3 | 4 | 72 | 70.8 | 60.9 | 71.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 152 | 5 | 72.2 | 70.8 | 60.9 | 71.2 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 154.7 | 6 | 72.3 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 157.4 | 7 | 72.3 | 70.7 | 61 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 160.1 | 8 | 72.3 | 70.7 | 61 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 162.8 | 9 | 72.3 | 70.7 | 61.1 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 165.5 | 10 | 72.3 | 70.7 | 61.2 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 168.2 | 11 | 72.3 | 70.7 | 61.4 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 170.9 | 12 | 72.3 | 70.7 | 61.6 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 173.6 | 13 | 72.2 | 70.7 | 61.7 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 176.3 | 14 | 72.2 | 70.6 | 61.8 | 71.2 | 70 | Y | 0.6 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 179 | 15 | 72.2 | 70.6 | 61.9 | 71.2 | 70 | Y | 0.6 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 181.7 | 16 | 72.2 | 70.6 | 62.2 | 71.2 | 70 | Y | 0.6 | N | N | N | 6 | 6 | 0 |
| NPTE-304 | 184.4 | 17 | 72.1 | 70.6 | 62.4 | 71.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 187.1 | 18 | 72.1 | 70.6 | 62.6 | 71.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 189.8 | 19 | 72.1 | 70.5 | 62.8 | 71.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 192.5 | 20 | 72.1 | 70.5 | 62.9 | 71.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 195.2 | 21 | 72 | 70.5 | 63 | 71.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 197.9 | 22 | 72 | 70.5 | 63 | 71.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 200.6 | 23 | 72 | 70.5 | 63.1 | 71.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 203.3 | 24 | 71.9 | 70.5 | 63.1 | 71.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 206 | 25 | 71.9 | 70.4 | 63.1 | 71.2 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 208.7 | 26 | 71.9 | 70.4 | 63.2 | 71.2 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 211.4 | 27 | 71.8 | 70.4 | 63.2 | 71.1 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 214.1 | 28 | 71.8 | 70.4 | 63.2 | 71.1 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 216.8 | 29 | 71.8 | 70.4 | 63.2 | 71.1 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 219.5 | 30 | 71.8 | 70.3 | 63.2 | 71.1 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 222.2 | 31 | 71.7 | 70.3 | 63.2 | 71.1 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 224.9 | 32 | 71.7 | 70.3 | 63.2 | 71.1 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 227.6 | 33 | 71.7 | 70.3 | 63.2 | 71.1 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 230.3 | 34 | 71.6 | 70.3 | 63.2 | 71 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-304 | 233 | 35 | 71.6 | 70.3 | 63.2 | 71 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 141.2 | 1 | 71.5 | 71 | 59.7 | 71.3 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 143.9 | 2 | 72.6 | 72 | 61.3 | 72.3 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 146.6 | 3 | 73.1 | 72.1 | 61.7 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 149.3 | 4 | 73.3 | 72.1 | 61.8 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 152 | 5 | 73.5 | 72.1 | 61.8 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 154.7 | 6 | 73.6 | 72.1 | 61.9 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 157.4 | 7 | 73.6 | 72.1 | 62 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 160.1 | 8 | 73.6 | 72.1 | 62 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 162.8 | 9 | 73.6 | 72.1 | 62.1 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 165.5 | 10 | 73.6 | 72 | 62.2 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 168.2 | 11 | 73.6 | 72 | 62.3 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 170.9 | 12 | 73.5 | 72 | 62.5 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 173.6 | 13 | 73.5 | 72 | 62.8 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 176.3 | 14 | 73.5 | 72 | 62.8 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 179 | 15 | 73.5 | 72 | 63 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-305 | 181.7 | 16 | 73.4 | 71.9 | 63.2 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 184.4 | 17 | 73.4 | 71.9 | 63.5 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 187.1 | 18 | 73.4 | 71.9 | 63.7 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 189.8 | 19 | 73.4 | 71.9 | 63.9 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 192.5 | 20 | 73.3 | 71.9 | 64.1 | 72.6 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 195.2 | 21 | 73.3 | 71.9 | 64.2 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 197.9 | 22 | 73.3 | 71.8 | 64.3 | 72.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 200.6 | 23 | 73.3 | 71.8 | 64.4 | 72.5 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 203.3 | 24 | 73.2 | 71.8 | 64.5 | 72.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 206 | 25 | 73.2 | 71.8 | 64.5 | 72.5 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 208.7 | 26 | 73.2 | 71.8 | 64.6 | 72.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 211.4 | 27 | 73.2 | 71.8 | 64.6 | 72.5 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 214.1 | 28 | 73.1 | 71.7 | 64.7 | 72.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 216.8 | 29 | 73.1 | 71.7 | 64.7 | 72.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 219.5 | 30 | 73.1 | 71.7 | 64.7 | 72.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 222.2 | 31 | 73 | 71.7 | 64.7 | 72.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 224.9 | 32 | 73 | 71.7 | 64.7 | 72.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 227.6 | 33 | 73 | 71.6 | 64.7 | 72.4 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 230.3 | 34 | 73 | 71.6 | 64.7 | 72.4 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-305 | 233 | 35 | 72.9 | 71.6 | 64.7 | 72.4 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 141.2 | 1 | 72.6 | 71.3 | 61.8 | 71.8 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 143.9 | 2 | 72.8 | 71.3 | 62 | 71.8 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 146.6 | 3 | 72.8 | 71.3 | 62.2 | 71.8 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 149.3 | 4 | 72.8 | 71.3 | 62.2 | 71.8 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 152 | 5 | 72.9 | 71.3 | 62.3 | 71.8 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 154.7 | 6 | 72.9 | 71.3 | 62.3 | 71.8 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 157.4 | 7 | 72.9 | 71.4 | 62.3 | 71.9 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 160.1 | 8 | 72.9 | 71.4 | 62.3 | 71.9 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 162.8 | 9 | 72.9 | 71.4 | 62.4 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 165.5 | 10 | 73 | 71.5 | 62.4 | 72 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 168.2 | 11 | 73 | 71.5 | 62.5 | 72 | 70 | Y | 0.5 | N | N | N | 6 | 6 | 0 |
| NPTE-401 | 170.9 | 12 | 72.9 | 71.4 | 62.5 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 173.6 | 13 | 72.9 | 71.4 | 62.6 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 176.3 | 14 | 72.9 | 71.4 | 62.7 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 179 | 15 | 72.9 | 71.4 | 62.8 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-401 | 181.7 | 16 | 72.9 | 71.4 | 62.8 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 184.4 | 17 | 72.8 | 71.4 | 62.9 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 187.1 | 18 | 72.8 | 71.4 | 63.1 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 189.8 | 19 | 72.8 | 71.3 | 63.2 | 72 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 192.5 | 20 | 72.8 | 71.3 | 63.3 | 72 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 195.2 | 21 | 72.7 | 71.3 | 63.5 | 72 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 197.9 | 22 | 72.7 | 71.3 | 63.6 | 72 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 200.6 | 23 | 72.7 | 71.3 | 63.7 | 72 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 203.3 | 24 | 72.7 | 71.2 | 63.8 | 72 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 206 | 25 | 72.6 | 71.2 | 63.8 | 72 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 208.7 | 26 | 72.6 | 71.2 | 63.9 | 72 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 211.4 | 27 | 72.6 | 71.2 | 64 | 71.9 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 214.1 | 28 | 72.6 | 71.2 | 64 | 71.9 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 216.8 | 29 | 72.5 | 71.1 | 64 | 71.9 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 219.5 | 30 | 72.5 | 71.1 | 64 | 71.9 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 222.2 | 31 | 72.5 | 71.1 | 64 | 71.9 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 224.9 | 32 | 72.4 | 71.1 | 64 | 71.9 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 227.6 | 33 | 72.4 | 71.1 | 64.1 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 230.3 | 34 | 72.4 | 71 | 64.1 | 71.8 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-401 | 233 | 35 | 72.4 | 71 | 64.1 | 71.8 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-402 | 141.2 | 1 | 71 | 68.8 | 58.6 | 69.2 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 143.9 | 2 | 71 | 68.8 | 58.9 | 69.3 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 146.6 | 3 | 71 | 68.9 | 59.1 | 69.3 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 149.3 | 4 | 71.1 | 68.9 | 59.3 | 69.3 | 70 | N | 0.4 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 152 | 5 | 71.1 | 68.9 | 59.5 | 69.4 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 154.7 | 6 | 71.2 | 69 | 59.6 | 69.5 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 157.4 | 7 | 71.2 | 69.1 | 59.7 | 69.6 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 160.1 | 8 | 71.3 | 69.2 | 59.9 | 69.7 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 162.8 | 9 | 71.3 | 69.3 | 60 | 69.8 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 165.5 | 10 | 71.3 | 69.3 | 60.2 | 69.8 | 70 | N | 0.5 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 168.2 | 11 | 71.3 | 69.3 | 60.5 | 69.9 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 170.9 | 12 | 71.3 | 69.3 | 60.6 | 69.9 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 173.6 | 13 | 71.3 | 69.3 | 60.8 | 69.9 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 176.3 | 14 | 71.3 | 69.3 | 60.9 | 69.9 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 179 | 15 | 71.3 | 69.3 | 61.1 | 69.9 | 70 | N | 0.6 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 181.7 | 16 | 71.3 | 69.3 | 61.4 | 70 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 184.4 | 17 | 71.2 | 69.3 | 61.7 | 70 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 187.1 | 18 | 71.2 | 69.3 | 61.9 | 70 | 70 | N | 0.7 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 189.8 | 19 | 71.2 | 69.3 | 62.1 | 70.1 | 70 | N | 0.8 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 192.5 | 20 | 71.2 | 69.3 | 62.2 | 70.1 | 70 | N | 0.8 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 195.2 | 21 | 71.1 | 69.3 | 62.4 | 70.1 | 70 | N | 0.8 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 197.9 | 22 | 71.1 | 69.2 | 62.5 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 200.6 | 23 | 71.1 | 69.2 | 62.7 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 203.3 | 24 | 71.1 | 69.2 | 62.7 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 206 | 25 | 71.1 | 69.2 | 62.8 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 6 | 6 |
| NPTE-402 | 208.7 | 26 | 71 | 69.2 | 62.8 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-402 | 211.4 | 27 | 71 | 69.2 | 62.9 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-402 | 214.1 | 28 | 71 | 69.2 | 62.9 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-402 | 216.8 | 29 | 71 | 69.2 | 63 | 70.1 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-402 | 219.5 | 30 | 70.9 | 69.1 | 63 | 70.1 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-402 | 222.2 | 31 | 70.9 | 69.1 | 63.1 | 70.1 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-402 | 224.9 | 32 | 70.9 | 69.1 | 63 | 70.1 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-402 | 227.6 | 33 | 70.9 | 69.1 | 63.1 | 70.1 | 70 | N | 1 | Y | N | N | 6 | 0 | 6 |
| NPTE-402 | 230.3 | 34 | 70.8 | 69.1 | 63 | 70 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-402 | 233 | 35 | 70.8 | 69.1 | 63.1 | 70 | 70 | N | 0.9 | N | N | N | 6 | 0 | 6 |
| NPTE-403 | 141.2 | 1 | 74.2 | 73 | 63.3 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 143.9 | 2 | 74.2 | 73 | 63.3 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 146.6 | 3 | 74.2 | 73 | 63.4 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 149.3 | 4 | 74.2 | 73 | 63.4 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 152 | 5 | 74.2 | 73 | 63.5 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 154.7 | 6 | 74.2 | 73 | 63.5 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 157.4 | 7 | 74.2 | 73 | 63.5 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 160.1 | 8 | 74.2 | 73 | 63.5 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 162.8 | 9 | 74.2 | 73 | 63.6 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 165.5 | 10 | 74.2 | 73 | 63.7 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 168.2 | 11 | 74.2 | 73 | 63.8 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 170.9 | 12 | 74.1 | 73 | 63.8 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 173.6 | 13 | 74.1 | 72.9 | 63.9 | 73.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 176.3 | 14 | 74.1 | 72.9 | 64 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 179 | 15 | 74.1 | 72.9 | 64.1 | 73.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 181.7 | 16 | 74.1 | 72.9 | 64.2 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 184.4 | 17 | 74 | 72.9 | 64.3 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 187.1 | 18 | 74 | 72.9 | 64.4 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 189.8 | 19 | 74 | 72.8 | 64.5 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 192.5 | 20 | 74 | 72.8 | 64.5 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 195.2 | 21 | 73.9 | 72.8 | 64.6 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 197.9 | 22 | 73.9 | 72.8 | 64.6 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 200.6 | 23 | 73.9 | 72.8 | 64.6 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 203.3 | 24 | 73.9 | 72.8 | 64.7 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 206 | 25 | 73.8 | 72.7 | 64.7 | 73.4 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 208.7 | 26 | 73.8 | 72.7 | 64.7 | 73.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 211.4 | 27 | 73.8 | 72.7 | 64.7 | 73.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 214.1 | 28 | 73.8 | 72.7 | 64.7 | 73.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 216.8 | 29 | 73.7 | 72.7 | 64.7 | 73.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 219.5 | 30 | 73.7 | 72.6 | 64.7 | 73.3 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 222.2 | 31 | 73.7 | 72.6 | 64.7 | 73.3 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 224.9 | 32 | 73.6 | 72.6 | 64.7 | 73.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 227.6 | 33 | 73.6 | 72.6 | 64.7 | 73.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 230.3 | 34 | 73.6 | 72.5 | 64.7 | 73.2 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-403 | 233 | 35 | 73.6 | 72.5 | 64.7 | 73.2 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NPTE-404 | 141.2 | 1 | 71.8 | 71.2 | 62 | 71.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 143.9 | 2 | 71.8 | 71.2 | 62 | 71.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 146.6 | 3 | 71.8 | 71.2 | 62 | 71.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 149.3 | 4 | 71.7 | 71.2 | 61.9 | 71.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 152 | 5 | 71.7 | 71.2 | 61.9 | 71.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 154.7 | 6 | 71.7 | 71.2 | 61.9 | 71.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 157.4 | 7 | 71.7 | 71.1 | 61.8 | 71.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 160.1 | 8 | 71.6 | 71.1 | 61.7 | 71.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 162.8 | 9 | 71.6 | 71.1 | 61.7 | 71.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 165.5 | 10 | 71.6 | 71.1 | 61.7 | 71.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 168.2 | 11 | 71.6 | 71 | 61.6 | 71.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 170.9 | 12 | 71.5 | 71 | 61.6 | 71.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 173.6 | 13 | 71.5 | 71 | 61.5 | 71.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 176.3 | 14 | 71.5 | 71 | 61.4 | 71.4 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 179 | 15 | 71.4 | 70.9 | 61.4 | 71.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 181.7 | 16 | 71.4 | 70.9 | 61.3 | 71.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 184.4 | 17 | 71.4 | 70.9 | 61.3 | 71.3 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 187.1 | 18 | 71.4 | 70.9 | 61.2 | 71.3 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 189.8 | 19 | 71.3 | 70.8 | 61.2 | 71.3 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 192.5 | 20 | 71.3 | 70.8 | 61.1 | 71.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 195.2 | 21 | 71.3 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 197.9 | 22 | 71.3 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 200.6 | 23 | 71.2 | 70.7 | 61 | 71.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-404 | 203.3 | 24 | 71.2 | 70.7 | 60.9 | 71.1 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 206 | 25 | 71.2 | 70.7 | 60.8 | 71.1 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 208.7 | 26 | 71.1 | 70.7 | 60.8 | 71.1 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 211.4 | 27 | 71.1 | 70.6 | 60.7 | 71.1 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 214.1 | 28 | 71.1 | 70.6 | 60.7 | 71 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 216.8 | 29 | 71 | 70.6 | 60.6 | 71 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 219.5 | 30 | 71 | 70.5 | 60.6 | 71 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 222.2 | 31 | 71 | 70.5 | 60.5 | 70.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 224.9 | 32 | 71 | 70.5 | 60.5 | 70.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 227.6 | 33 | 70.9 | 70.5 | 60.5 | 70.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 230.3 | 34 | 70.9 | 70.4 | 60.4 | 70.9 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-404 | 233 | 35 | 70.9 | 70.4 | 60.3 | 70.8 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 141.2 | 1 | 73.1 | 72.2 | 62.5 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 143.9 | 2 | 73.2 | 72.2 | 62.8 | 72.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 146.6 | 3 | 73.2 | 72.2 | 62.8 | 72.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 149.3 | 4 | 73.2 | 72.2 | 62.9 | 72.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 152 | 5 | 73.2 | 72.2 | 62.9 | 72.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 154.7 | 6 | 73.2 | 72.2 | 62.9 | 72.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 157.4 | 7 | 73.2 | 72.1 | 62.9 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 160.1 | 8 | 73.2 | 72.1 | 62.9 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 162.8 | 9 | 73.2 | 72.1 | 62.9 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 165.5 | 10 | 73.1 | 72.1 | 62.9 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 168.2 | 11 | 73.1 | 72.1 | 62.9 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 170.9 | 12 | 73.1 | 72 | 63 | 72.6 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 173.6 | 13 | 73.1 | 72 | 63 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 176.3 | 14 | 73 | 72 | 63 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 179 | 15 | 73 | 72 | 63 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 181.7 | 16 | 73 | 72 | 63 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 184.4 | 17 | 73 | 71.9 | 63.1 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 187.1 | 18 | 72.9 | 71.9 | 63.1 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 189.8 | 19 | 72.9 | 71.9 | 63.2 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 192.5 | 20 | 72.9 | 71.9 | 63.2 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 195.2 | 21 | 72.9 | 71.8 | 63.3 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 197.9 | 22 | 72.9 | 71.8 | 63.3 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 200.6 | 23 | 72.8 | 71.8 | 63.4 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 203.3 | 24 | 72.8 | 71.8 | 63.4 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 206 | 25 | 72.8 | 71.8 | 63.4 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 208.7 | 26 | 72.8 | 71.7 | 63.4 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 211.4 | 27 | 72.7 | 71.7 | 63.4 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 214.1 | 28 | 72.7 | 71.7 | 63.5 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 216.8 | 29 | 72.7 | 71.7 | 63.5 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 219.5 | 30 | 72.6 | 71.7 | 63.5 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 222.2 | 31 | 72.6 | 71.6 | 63.5 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 224.9 | 32 | 72.6 | 71.6 | 63.5 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 227.6 | 33 | 72.6 | 71.6 | 63.5 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 230.3 | 34 | 72.5 | 71.6 | 63.5 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-405 | 233 | 35 | 72.5 | 71.5 | 63.5 | 72.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 141.2 | 1 | 73.1 | 72.1 | 62.8 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 143.9 | 2 | 73.2 | 72.1 | 63 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 146.6 | 3 | 73.2 | 72.1 | 63 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 149.3 | 4 | 73.2 | 72.1 | 63.1 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 152 | 5 | 73.2 | 72 | 63.1 | 72.6 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 154.7 | 6 | 73.2 | 72 | 63.1 | 72.6 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 157.4 | 7 | 73.2 | 72 | 63.2 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 160.1 | 8 | 73.1 | 72 | 63.2 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 162.8 | 9 | 73.1 | 72 | 63.2 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 165.5 | 10 | 73.1 | 72 | 63.2 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 168.2 | 11 | 73.1 | 71.9 | 63.3 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 170.9 | 12 | 73.1 | 71.9 | 63.3 | 72.5 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 173.6 | 13 | 73 | 71.9 | 63.3 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 176.3 | 14 | 73 | 71.9 | 63.3 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 179 | 15 | 73 | 71.8 | 63.4 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 181.7 | 16 | 73 | 71.8 | 63.4 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 184.4 | 17 | 72.9 | 71.8 | 63.5 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 187.1 | 18 | 72.9 | 71.8 | 63.5 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 189.8 | 19 | 72.9 | 71.8 | 63.6 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 192.5 | 20 | 72.9 | 71.7 | 63.7 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 195.2 | 21 | 72.8 | 71.7 | 63.7 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 197.9 | 22 | 72.8 | 71.7 | 63.7 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 200.6 | 23 | 72.8 | 71.7 | 63.8 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 203.3 | 24 | 72.7 | 71.6 | 63.8 | 72.3 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 206 | 25 | 72.7 | 71.6 | 63.8 | 72.3 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 208.7 | 26 | 72.7 | 71.6 | 63.8 | 72.3 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 211.4 | 27 | 72.7 | 71.5 | 63.8 | 72.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 214.1 | 28 | 72.6 | 71.5 | 63.8 | 72.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 216.8 | 29 | 72.6 | 71.5 | 63.8 | 72.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 219.5 | 30 | 72.6 | 71.5 | 63.8 | 72.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 222.2 | 31 | 72.5 | 71.5 | 63.8 | 72.2 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 224.9 | 32 | 72.5 | 71.4 | 63.8 | 72.1 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 227.6 | 33 | 72.5 | 71.4 | 63.8 | 72.1 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 230.3 | 34 | 72.5 | 71.4 | 63.8 | 72.1 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-501 | 233 | 35 | 72.4 | 71.4 | 63.8 | 72.1 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 141.2 | 1 | 72.5 | 71.2 | 62.9 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 143.9 | 2 | 72.5 | 71.2 | 63 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 146.6 | 3 | 72.5 | 71.2 | 63.1 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 149.3 | 4 | 72.5 | 71.2 | 63.1 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 152 | 5 | 72.5 | 71.2 | 63.2 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 154.7 | 6 | 72.5 | 71.2 | 63.2 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 157.4 | 7 | 72.5 | 71.1 | 63.2 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 160.1 | 8 | 72.5 | 71.2 | 63.3 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 162.8 | 9 | 72.5 | 71.1 | 63.3 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 165.5 | 10 | 72.5 | 71.1 | 63.3 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 168.2 | 11 | 72.5 | 71.1 | 63.3 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 170.9 | 12 | 72.4 | 71.1 | 63.4 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 173.6 | 13 | 72.4 | 71.1 | 63.4 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 176.3 | 14 | 72.4 | 71.1 | 63.5 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 179 | 15 | 72.4 | 71.1 | 63.5 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 181.7 | 16 | 72.4 | 71.1 | 63.6 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 184.4 | 17 | 72.4 | 71.1 | 63.6 | 71.8 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 187.1 | 18 | 72.3 | 71 | 63.7 | 71.8 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 189.8 | 19 | 72.3 | 71 | 63.7 | 71.8 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 192.5 | 20 | 72.3 | 71 | 63.8 | 71.8 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 195.2 | 21 | 72.3 | 71 | 63.8 | 71.7 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 197.9 | 22 | 72.2 | 71 | 63.8 | 71.7 | 70 | Y | 0.7 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 200.6 | 23 | 72.2 | 70.9 | 63.9 | 71.7 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 203.3 | 24 | 72.2 | 70.9 | 63.9 | 71.7 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 206 | 25 | 72.1 | 70.9 | 63.9 | 71.7 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 208.7 | 26 | 72.1 | 70.9 | 63.9 | 71.7 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 211.4 | 27 | 72.1 | 70.8 | 63.9 | 71.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 214.1 | 28 | 72.1 | 70.8 | 63.9 | 71.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 216.8 | 29 | 72 | 70.8 | 63.9 | 71.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 219.5 | 30 | 72 | 70.8 | 63.9 | 71.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 222.2 | 31 | 72 | 70.8 | 63.9 | 71.6 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-502 | 224.9 | 32 | 72 | 70.7 | 63.9 | 71.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 227.6 | 33 | 71.9 | 70.7 | 63.8 | 71.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 230.3 | 34 | 71.9 | 70.7 | 63.9 | 71.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-502 | 233 | 35 | 71.9 | 70.7 | 63.8 | 71.5 | 70 | Y | 0.8 | N | N | N | 6 | 0 | 0 |
| NPTE-503 | 141.2 | 1 | 74.4 | 73.5 | 63.4 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 143.9 | 2 | 74.4 | 73.5 | 63.4 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 146.6 | 3 | 74.4 | 73.5 | 63.5 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 149.3 | 4 | 74.3 | 73.5 | 63.5 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 152 | 5 | 74.3 | 73.5 | 63.6 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 154.7 | 6 | 74.3 | 73.5 | 63.6 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 157.4 | 7 | 74.3 | 73.4 | 63.6 | 73.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 160.1 | 8 | 74.3 | 73.4 | 63.7 | 73.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 162.8 | 9 | 74.3 | 73.4 | 63.7 | 73.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 165.5 | 10 | 74.2 | 73.4 | 63.7 | 73.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 168.2 | 11 | 74.2 | 73.4 | 63.8 | 73.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 170.9 | 12 | 74.2 | 73.3 | 63.8 | 73.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 173.6 | 13 | 74.2 | 73.3 | 63.9 | 73.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 176.3 | 14 | 74.2 | 73.3 | 63.9 | 73.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 179 | 15 | 74.1 | 73.3 | 64 | 73.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 181.7 | 16 | 74.1 | 73.3 | 64 | 73.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 184.4 | 17 | 74.1 | 73.2 | 64.1 | 73.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 187.1 | 18 | 74.1 | 73.2 | 64.1 | 73.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 189.8 | 19 | 74 | 73.2 | 64.1 | 73.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 192.5 | 20 | 74 | 73.1 | 64.1 | 73.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 195.2 | 21 | 74 | 73.1 | 64.1 | 73.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 197.9 | 22 | 74 | 73.1 | 64.2 | 73.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 200.6 | 23 | 73.9 | 73.1 | 64.2 | 73.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 203.3 | 24 | 73.9 | 73.1 | 64.2 | 73.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 206 | 25 | 73.9 | 73 | 64.2 | 73.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 208.7 | 26 | 73.8 | 73 | 64.2 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 211.4 | 27 | 73.8 | 73 | 64.2 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 214.1 | 28 | 73.8 | 73 | 64.2 | 73.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 216.8 | 29 | 73.8 | 72.9 | 64.1 | 73.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 219.5 | 30 | 73.7 | 72.9 | 64.1 | 73.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 222.2 | 31 | 73.7 | 72.9 | 64.1 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 224.9 | 32 | 73.7 | 72.9 | 64.1 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 227.6 | 33 | 73.6 | 72.8 | 64.1 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 230.3 | 34 | 73.6 | 72.8 | 64 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NPTE-503 | 233 | 35 | 73.6 | 72.8 | 64 | 73.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-504 | 141.2 | 1 | 71.7 | 71.5 | 58.4 | 71.7 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 143.9 | 2 | 71.7 | 71.4 | 58.4 | 71.7 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 146.6 | 3 | 71.6 | 71.4 | 58.4 | 71.6 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 149.3 | 4 | 71.6 | 71.4 | 58.4 | 71.6 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 152 | 5 | 71.6 | 71.4 | 58.4 | 71.6 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 154.7 | 6 | 71.6 | 71.3 | 58.4 | 71.6 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 157.4 | 7 | 71.6 | 71.3 | 58.4 | 71.5 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 160.1 | 8 | 71.5 | 71.3 | 58.3 | 71.5 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 162.8 | 9 | 71.5 | 71.3 | 58.3 | 71.5 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 165.5 | 10 | 71.5 | 71.3 | 58.3 | 71.5 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 168.2 | 11 | 71.4 | 71.2 | 58.3 | 71.4 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 170.9 | 12 | 71.4 | 71.2 | 58.2 | 71.4 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 173.6 | 13 | 71.4 | 71.2 | 58.2 | 71.4 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 176.3 | 14 | 71.4 | 71.1 | 58.2 | 71.3 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 179 | 15 | 71.3 | 71.1 | 58.1 | 71.3 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 181.7 | 16 | 71.3 | 71.1 | 58.1 | 71.3 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 184.4 | 17 | 71.3 | 71 | 58.1 | 71.2 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 187.1 | 18 | 71.2 | 71 | 58 | 71.2 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 189.8 | 19 | 71.2 | 71 | 57.9 | 71.2 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 192.5 | 20 | 71.2 | 70.9 | 57.9 | 71.2 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 195.2 | 21 | 71.1 | 70.9 | 57.8 | 71.1 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 197.9 | 22 | 71.1 | 70.9 | 57.8 | 71.1 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 200.6 | 23 | 71.1 | 70.9 | 57.8 | 71.1 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 203.3 | 24 | 71 | 70.8 | 57.7 | 71 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 206 | 25 | 71 | 70.8 | 57.7 | 71 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 208.7 | 26 | 71 | 70.8 | 57.6 | 71 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 211.4 | 27 | 70.9 | 70.7 | 57.6 | 70.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 214.1 | 28 | 70.9 | 70.7 | 57.5 | 70.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 216.8 | 29 | 70.9 | 70.7 | 57.5 | 70.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 219.5 | 30 | 70.8 | 70.6 | 57.4 | 70.8 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 222.2 | 31 | 70.8 | 70.6 | 57.4 | 70.8 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 224.9 | 32 | 70.8 | 70.6 | 57.3 | 70.8 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 227.6 | 33 | 70.7 | 70.5 | 57.3 | 70.7 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 230.3 | 34 | 70.7 | 70.5 | 57.2 | 70.7 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-504 | 233 | 35 | 70.7 | 70.5 | 57.2 | 70.7 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 141.2 | 1 | 73.1 | 72.6 | 61.9 | 72.9 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 143.9 | 2 | 73.2 | 72.7 | 62.1 | 73.1 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 146.6 | 3 | 73.2 | 72.7 | 62.2 | 73 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 149.3 | 4 | 73.2 | 72.7 | 62.2 | 73 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 152 | 5 | 73.2 | 72.6 | 62.3 | 73 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 154.7 | 6 | 73.2 | 72.6 | 62.3 | 73 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 157.4 | 7 | 73.1 | 72.6 | 62.3 | 73 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 160.1 | 8 | 73.1 | 72.6 | 62.3 | 73 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 162.8 | 9 | 73.1 | 72.5 | 62.3 | 72.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 165.5 | 10 | 73.1 | 72.5 | 62.3 | 72.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 168.2 | 11 | 73 | 72.5 | 62.3 | 72.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 170.9 | 12 | 73 | 72.5 | 62.3 | 72.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 173.6 | 13 | 73 | 72.5 | 62.3 | 72.9 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 176.3 | 14 | 73 | 72.4 | 62.3 | 72.8 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 179 | 15 | 72.9 | 72.4 | 62.3 | 72.8 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 181.7 | 16 | 72.9 | 72.4 | 62.2 | 72.8 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 184.4 | 17 | 72.9 | 72.4 | 62.2 | 72.8 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 187.1 | 18 | 72.9 | 72.3 | 62.2 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 189.8 | 19 | 72.8 | 72.3 | 62.2 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 192.5 | 20 | 72.8 | 72.3 | 62.1 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 195.2 | 21 | 72.8 | 72.2 | 62.1 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 197.9 | 22 | 72.8 | 72.2 | 62.1 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 200.6 | 23 | 72.7 | 72.2 | 62.1 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 203.3 | 24 | 72.7 | 72.2 | 62 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 206 | 25 | 72.7 | 72.1 | 62 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 208.7 | 26 | 72.7 | 72.1 | 62 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 211.4 | 27 | 72.6 | 72.1 | 62 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 214.1 | 28 | 72.6 | 72.1 | 61.9 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 216.8 | 29 | 72.6 | 72 | 61.9 | 72.4 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 219.5 | 30 | 72.5 | 72 | 61.9 | 72.4 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 222.2 | 31 | 72.5 | 72 | 61.8 | 72.4 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 224.9 | 32 | 72.5 | 72 | 61.9 | 72.4 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 227.6 | 33 | 72.5 | 71.9 | 61.8 | 72.3 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 230.3 | 34 | 72.4 | 71.9 | 61.8 | 72.3 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-505 | 233 | 35 | 72.4 | 71.9 | 61.8 | 72.3 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 141.2 | 1 | 73.1 | 72.4 | 61.7 | 72.7 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 143.9 | 2 | 73.2 | 72.4 | 62 | 72.8 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 146.6 | 3 | 73.1 | 72.4 | 62 | 72.7 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 149.3 | 4 | 73.1 | 72.3 | 62.1 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-601 | 152 | 5 | 73.1 | 72.3 | 62.2 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 154.7 | 6 | 73.1 | 72.3 | 62.2 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 157.4 | 7 | 73.1 | 72.3 | 62.3 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 160.1 | 8 | 73.1 | 72.3 | 62.3 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 162.8 | 9 | 73.1 | 72.3 | 62.4 | 72.7 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 165.5 | 10 | 73 | 72.2 | 62.4 | 72.7 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 168.2 | 11 | 73 | 72.2 | 62.5 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 170.9 | 12 | 73 | 72.2 | 62.5 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 173.6 | 13 | 73 | 72.2 | 62.5 | 72.6 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 176.3 | 14 | 73 | 72.1 | 62.6 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 179 | 15 | 72.9 | 72.1 | 62.6 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 181.7 | 16 | 72.9 | 72.1 | 62.7 | 72.6 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 184.4 | 17 | 72.9 | 72.1 | 62.7 | 72.5 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 187.1 | 18 | 72.9 | 72 | 62.8 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 189.8 | 19 | 72.8 | 72 | 62.8 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 192.5 | 20 | 72.8 | 72 | 62.8 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 195.2 | 21 | 72.8 | 72 | 62.8 | 72.5 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 197.9 | 22 | 72.7 | 71.9 | 62.9 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 200.6 | 23 | 72.7 | 71.9 | 62.9 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 203.3 | 24 | 72.7 | 71.9 | 62.9 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 206 | 25 | 72.7 | 71.9 | 62.9 | 72.4 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 208.7 | 26 | 72.6 | 71.8 | 62.9 | 72.4 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 211.4 | 27 | 72.6 | 71.8 | 62.9 | 72.3 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 214.1 | 28 | 72.6 | 71.8 | 63 | 72.3 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 216.8 | 29 | 72.6 | 71.7 | 62.9 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 219.5 | 30 | 72.5 | 71.7 | 62.9 | 72.3 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 222.2 | 31 | 72.5 | 71.7 | 62.9 | 72.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 224.9 | 32 | 72.5 | 71.7 | 62.9 | 72.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 227.6 | 33 | 72.4 | 71.6 | 62.9 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 230.3 | 34 | 72.4 | 71.6 | 62.9 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-601 | 233 | 35 | 72.4 | 71.6 | 62.9 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 141.2 | 1 | 72.7 | 71.8 | 62 | 72.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 143.9 | 2 | 72.7 | 71.8 | 62.1 | 72.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 146.6 | 3 | 72.7 | 71.8 | 62.2 | 72.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 149.3 | 4 | 72.7 | 71.8 | 62.3 | 72.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 152 | 5 | 72.7 | 71.8 | 62.3 | 72.3 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 154.7 | 6 | 72.7 | 71.8 | 62.4 | 72.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 157.4 | 7 | 72.7 | 71.8 | 62.5 | 72.2 | 70 | Y | 0.4 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 160.1 | 8 | 72.6 | 71.7 | 62.5 | 72.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 162.8 | 9 | 72.6 | 71.7 | 62.6 | 72.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 165.5 | 10 | 72.6 | 71.7 | 62.6 | 72.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 168.2 | 11 | 72.6 | 71.7 | 62.6 | 72.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 170.9 | 12 | 72.6 | 71.7 | 62.7 | 72.2 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 173.6 | 13 | 72.5 | 71.6 | 62.7 | 72.2 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 176.3 | 14 | 72.5 | 71.6 | 62.8 | 72.1 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 179 | 15 | 72.5 | 71.6 | 62.8 | 72.1 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 181.7 | 16 | 72.5 | 71.6 | 62.9 | 72.1 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 184.4 | 17 | 72.5 | 71.6 | 62.9 | 72.1 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 187.1 | 18 | 72.4 | 71.5 | 62.9 | 72.1 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 189.8 | 19 | 72.4 | 71.5 | 62.9 | 72.1 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 192.5 | 20 | 72.4 | 71.5 | 63 | 72 | 70 | Y | 0.5 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 195.2 | 21 | 72.3 | 71.4 | 63 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 197.9 | 22 | 72.3 | 71.4 | 63 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 200.6 | 23 | 72.3 | 71.4 | 63 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 203.3 | 24 | 72.3 | 71.4 | 63 | 72 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 206 | 25 | 72.2 | 71.3 | 63 | 71.9 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 208.7 | 26 | 72.2 | 71.3 | 63 | 71.9 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 211.4 | 27 | 72.2 | 71.3 | 63 | 71.9 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 214.1 | 28 | 72.1 | 71.3 | 63 | 71.9 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 216.8 | 29 | 72.1 | 71.2 | 63 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 219.5 | 30 | 72.1 | 71.2 | 63 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 222.2 | 31 | 72 | 71.2 | 63 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 224.9 | 32 | 72 | 71.2 | 63 | 71.8 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 227.6 | 33 | 72 | 71.1 | 62.9 | 71.7 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 230.3 | 34 | 72 | 71.1 | 62.9 | 71.7 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-602 | 233 | 35 | 71.9 | 71.1 | 62.9 | 71.7 | 70 | Y | 0.6 | N | N | N | 6 | 0 | 0 |
| NPTE-603 | 98.4 | 1 | 74.3 | 73.7 | 62.2 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 101.1 | 2 | 74.3 | 73.7 | 62.2 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 103.8 | 3 | 74.3 | 73.7 | 62.3 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 106.5 | 4 | 74.3 | 73.7 | 62.4 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 109.2 | 5 | 74.3 | 73.7 | 62.5 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 111.9 | 6 | 74.2 | 73.6 | 62.5 | 74 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 114.6 | 7 | 74.2 | 73.6 | 62.6 | 74 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 117.3 | 8 | 74.2 | 73.6 | 62.6 | 73.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 120 | 9 | 74.2 | 73.6 | 62.7 | 73.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 122.7 | 10 | 74.2 | 73.6 | 62.8 | 73.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 125.4 | 11 | 74.1 | 73.5 | 62.8 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 128.1 | 12 | 74.1 | 73.5 | 62.8 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 130.8 | 13 | 74.1 | 73.5 | 62.9 | 73.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 133.5 | 14 | 74.1 | 73.5 | 62.9 | 73.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 136.2 | 15 | 74 | 73.4 | 63 | 73.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 138.9 | 16 | 74 | 73.4 | 63 | 73.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 141.6 | 17 | 74 | 73.4 | 63 | 73.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 144.3 | 18 | 73.9 | 73.3 | 63 | 73.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 147 | 19 | 73.9 | 73.3 | 63.1 | 73.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 149.7 | 20 | 73.9 | 73.3 | 63.1 | 73.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 152.4 | 21 | 73.9 | 73.3 | 63.1 | 73.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 155.1 | 22 | 73.8 | 73.2 | 63.1 | 73.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 157.8 | 23 | 73.8 | 73.2 | 63.1 | 73.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 160.5 | 24 | 73.8 | 73.2 | 63.1 | 73.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 163.2 | 25 | 73.7 | 73.1 | 63.1 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 165.9 | 26 | 73.7 | 73.1 | 63.1 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 168.6 | 27 | 73.7 | 73.1 | 63.1 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 171.3 | 28 | 73.6 | 73.1 | 63 | 73.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 174 | 29 | 73.6 | 73 | 63 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 176.7 | 30 | 73.6 | 73 | 63 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 179.4 | 31 | 73.6 | 73 | 63 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 182.1 | 32 | 73.5 | 72.9 | 63 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 184.8 | 33 | 73.5 | 72.9 | 63 | 73.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 187.5 | 34 | 73.5 | 72.9 | 63 | 73.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-603 | 190.2 | 35 | 73.4 | 72.9 | 63 | 73.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NPTE-604 | 98.4 | 1 | 70.8 | 70.7 | 52.7 | 70.8 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 101.1 | 2 | 70.8 | 70.7 | 52.8 | 70.8 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 103.8 | 3 | 70.8 | 70.7 | 52.9 | 70.8 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 106.5 | 4 | 70.7 | 70.7 | 53 | 70.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 109.2 | 5 | 70.7 | 70.6 | 53.1 | 70.7 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 111.9 | 6 | 70.7 | 70.6 | 53.2 | 70.7 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 114.6 | 7 | 70.7 | 70.6 | 53.2 | 70.7 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 117.3 | 8 | 70.7 | 70.6 | 53.3 | 70.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 120 | 9 | 70.6 | 70.5 | 53.3 | 70.6 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 122.7 | 10 | 70.6 | 70.5 | 53.3 | 70.6 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 125.4 | 11 | 70.6 | 70.5 | 53.3 | 70.6 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 128.1 | 12 | 70.5 | 70.5 | 53.3 | 70.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NPTE-604 | 130.8 | 13 | 70.5 | 70.4 | 53.4 | 70.5 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 133.5 | 14 | 70.5 | 70.4 | 53.3 | 70.5 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 136.2 | 15 | 70.5 | 70.4 | 53.3 | 70.5 | 70 | Y | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 138.9 | 16 | 70.4 | 70.3 | 53.3 | 70.4 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 141.6 | 17 | 70.4 | 70.3 | 53.3 | 70.4 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 144.3 | 18 | 70.4 | 70.3 | 53.2 | 70.4 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 147 | 19 | 70.3 | 70.2 | 53.2 | 70.3 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 149.7 | 20 | 70.3 | 70.2 | 53.2 | 70.3 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 152.4 | 21 | 70.3 | 70.2 | 53.2 | 70.3 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 155.1 | 22 | 70.2 | 70.2 | 53.2 | 70.2 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 157.8 | 23 | 70.2 | 70.1 | 53.1 | 70.2 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 160.5 | 24 | 70.2 | 70.1 | 53.1 | 70.2 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 163.2 | 25 | 70.1 | 70 | 53.1 | 70.1 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 165.9 | 26 | 70.1 | 70 | 53 | 70.1 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 168.6 | 27 | 70.1 | 70 | 53 | 70.1 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 171.3 | 28 | 70 | 69.9 | 52.9 | 70 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 174 | 29 | 70 | 69.9 | 52.9 | 70 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 176.7 | 30 | 70 | 69.9 | 52.9 | 70 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 179.4 | 31 | 69.9 | 69.8 | 52.8 | 69.9 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 182.1 | 32 | 69.9 | 69.8 | 52.8 | 69.9 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 184.8 | 33 | 69.9 | 69.8 | 52.7 | 69.9 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 187.5 | 34 | 69.8 | 69.8 | 52.7 | 69.8 | 70 | N | 0 | N | N | N | 6 | 0 | 0 |
| NPTE-604 | 190.2 | 35 | 69.8 | 69.7 | 52.7 | 69.8 | 70 | N | 0.1 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 98.4 | 1 | 72.9 | 72.7 | 59.2 | 72.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 101.1 | 2 | 73 | 72.8 | 59.4 | 73 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 103.8 | 3 | 73 | 72.8 | 59.5 | 73 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 106.5 | 4 | 73 | 72.8 | 59.6 | 73 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 109.2 | 5 | 73 | 72.7 | 59.6 | 73 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 111.9 | 6 | 73 | 72.7 | 59.7 | 72.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 114.6 | 7 | 72.9 | 72.7 | 59.7 | 72.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 117.3 | 8 | 72.9 | 72.7 | 59.7 | 72.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 120 | 9 | 72.9 | 72.7 | 59.7 | 72.9 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 122.7 | 10 | 72.9 | 72.6 | 59.7 | 72.9 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 125.4 | 11 | 72.8 | 72.6 | 59.8 | 72.8 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 128.1 | 12 | 72.8 | 72.6 | 59.8 | 72.8 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 130.8 | 13 | 72.8 | 72.6 | 59.7 | 72.8 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 133.5 | 14 | 72.8 | 72.5 | 59.7 | 72.8 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 136.2 | 15 | 72.7 | 72.5 | 59.7 | 72.7 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 138.9 | 16 | 72.7 | 72.5 | 59.7 | 72.7 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 141.6 | 17 | 72.7 | 72.4 | 59.7 | 72.7 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 144.3 | 18 | 72.6 | 72.4 | 59.7 | 72.6 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 147 | 19 | 72.6 | 72.4 | 59.7 | 72.6 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 149.7 | 20 | 72.6 | 72.4 | 59.6 | 72.6 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 152.4 | 21 | 72.6 | 72.3 | 59.6 | 72.6 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 155.1 | 22 | 72.5 | 72.3 | 59.6 | 72.5 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 157.8 | 23 | 72.5 | 72.3 | 59.5 | 72.5 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 160.5 | 24 | 72.5 | 72.2 | 59.5 | 72.5 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 163.2 | 25 | 72.4 | 72.2 | 59.5 | 72.4 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 165.9 | 26 | 72.4 | 72.2 | 59.5 | 72.4 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 168.6 | 27 | 72.4 | 72.1 | 59.4 | 72.4 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 171.3 | 28 | 72.3 | 72.1 | 59.4 | 72.3 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 174 | 29 | 72.3 | 72.1 | 59.4 | 72.3 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 176.7 | 30 | 72.3 | 72 | 59.3 | 72.3 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 179.4 | 31 | 72.3 | 72 | 59.3 | 72.3 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 182.1 | 32 | 72.2 | 72 | 59.3 | 72.2 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 184.8 | 33 | 72.2 | 72 | 59.2 | 72.2 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 187.5 | 34 | 72.2 | 71.9 | 59.2 | 72.2 | 70 | Y | 0.3 | N | N | N | 6 | 0 | 0 |
| NPTE-605 | 190.2 | 35 | 72.1 | 71.9 | 59.2 | 72.1 | 70 | Y | 0.2 | N | N | N | 6 | 0 | 0 |
| NSMP-101 | 141.2 | 1 | 72.2 | 72.2 | 41 | 72.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 144 | 2 | 73.1 | 73.1 | 42.8 | 73.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 146.8 | 3 | 73.8 | 73.8 | 43.9 | 73.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 149.6 | 4 | 74.5 | 74.5 | 44.8 | 74.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 152.4 | 5 | 74.8 | 74.8 | 45.8 | 74.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 155.2 | 6 | 75 | 75 | 46.9 | 75 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 158 | 7 | 75.1 | 75.1 | 47.8 | 75.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 160.8 | 8 | 75.2 | 75.2 | 49 | 75.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 163.6 | 9 | 75.2 | 75.1 | 50.1 | 75.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 166.4 | 10 | 75.1 | 75.1 | 50.7 | 75.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 169.2 | 11 | 75.1 | 75 | 51.6 | 75 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 172 | 12 | 75 | 75 | 52.3 | 75 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 174.8 | 13 | 74.9 | 74.9 | 52.7 | 74.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 177.6 | 14 | 74.9 | 74.8 | 52.9 | 74.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 180.4 | 15 | 74.8 | 74.7 | 53.1 | 74.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 183.2 | 16 | 74.7 | 74.6 | 53.3 | 74.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 186 | 17 | 74.6 | 74.5 | 53.3 | 74.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 188.8 | 18 | 74.5 | 74.5 | 53.4 | 74.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 191.6 | 19 | 74.4 | 74.4 | 53.5 | 74.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 194.4 | 20 | 74.4 | 74.3 | 53.6 | 74.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 197.2 | 21 | 74.3 | 74.2 | 53.6 | 74.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 200 | 22 | 74.2 | 74.1 | 53.7 | 74.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 202.8 | 23 | 74.1 | 74 | 53.7 | 74 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 205.6 | 24 | 74 | 73.9 | 53.9 | 74 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 208.4 | 25 | 73.9 | 73.8 | 53.9 | 73.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 211.2 | 26 | 73.8 | 73.7 | 54 | 73.8 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 214 | 27 | 73.7 | 73.6 | 54.1 | 73.7 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 216.8 | 28 | 73.6 | 73.5 | 54.2 | 73.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 219.6 | 29 | 73.5 | 73.5 | 54.3 | 73.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 222.4 | 30 | 73.5 | 73.4 | 54.3 | 73.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 225.2 | 31 | 73.4 | 73.3 | 54.4 | 73.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 228 | 32 | 73.3 | 73.2 | 54.5 | 73.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 230.8 | 33 | 73.2 | 73.1 | 54.5 | 73.2 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 233.6 | 34 | 73.1 | 73 | 54.6 | 73.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 236.4 | 35 | 73 | 72.9 | 54.6 | 73 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 239.2 | 36 | 73 | 72.9 | 54.7 | 72.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 242 | 37 | 72.9 | 72.8 | 54.7 | 72.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 244.8 | 38 | 72.8 | 72.7 | 54.7 | 72.8 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 247.6 | 39 | 72.7 | 72.6 | 54.8 | 72.7 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-101 | 250.4 | 40 | 72.7 | 72.6 | 54.8 | 72.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-102 | 141.2 | 1 | 76.1 | 76.1 | 43.2 | 76.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 144 | 2 | 76.5 | 76.5 | 44.3 | 76.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 146.8 | 3 | 77.2 | 77.2 | 45.4 | 77.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 149.6 | 4 | 77.6 | 77.6 | 46.6 | 77.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 152.4 | 5 | 77.7 | 77.7 | 47.8 | 77.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 155.2 | 6 | 77.7 | 77.7 | 48.9 | 77.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 158 | 7 | 77.7 | 77.7 | 50 | 77.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 160.8 | 8 | 77.6 | 77.6 | 51 | 77.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 163.6 | 9 | 77.5 | 77.5 | 51.8 | 77.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 166.4 | 10 | 77.4 | 77.4 | 52.3 | 77.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 169.2 | 11 | 77.3 | 77.3 | 52.8 | 77.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 172 | 12 | 77.2 | 77.2 | 53.2 | 77.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 174.8 | 13 | 77.1 | 77.1 | 53.4 | 77.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 177.6 | 14 | 77 | 77 | 53.6 | 77 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 180.4 | 15 | 76.9 | 76.9 | 53.7 | 76.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NSMP-102 | 183.2 | 16 | 76.8 | 76.8 | 53.8 | 76.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 186 | 17 | 76.7 | 76.7 | 53.8 | 76.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 188.8 | 18 | 76.6 | 76.6 | 53.9 | 76.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 191.6 | 19 | 76.5 | 76.5 | 54 | 76.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 194.4 | 20 | 76.4 | 76.4 | 54 | 76.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 197.2 | 21 | 76.3 | 76.3 | 54.1 | 76.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 200 | 22 | 76.2 | 76.2 | 54.1 | 76.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 202.8 | 23 | 76.1 | 76.1 | 54.2 | 76.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 205.6 | 24 | 76.1 | 76 | 54.2 | 76 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 208.4 | 25 | 76 | 75.9 | 54.2 | 76 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 211.2 | 26 | 75.9 | 75.9 | 54.3 | 75.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 214 | 27 | 75.8 | 75.8 | 54.3 | 75.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 216.8 | 28 | 75.7 | 75.7 | 54.3 | 75.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 219.6 | 29 | 75.7 | 75.6 | 54.4 | 75.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 222.4 | 30 | 75.6 | 75.5 | 54.4 | 75.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 225.2 | 31 | 75.5 | 75.5 | 54.5 | 75.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 228 | 32 | 75.4 | 75.4 | 54.5 | 75.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 230.8 | 33 | 75.4 | 75.3 | 54.5 | 75.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 233.6 | 34 | 75.3 | 75.2 | 54.6 | 75.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 236.4 | 35 | 75.2 | 75.2 | 54.6 | 75.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 239.2 | 36 | 75.1 | 75.1 | 54.7 | 75.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 242 | 37 | 75.1 | 75 | 54.7 | 75.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 244.8 | 38 | 75 | 75 | 54.8 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 247.6 | 39 | 75 | 74.9 | 54.9 | 75 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NSMP-102 | 250.4 | 40 | 74.9 | 74.9 | 54.8 | 74.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NSMP-103 | 141.2 | 1 | 76.3 | 76.3 | 42.9 | 76.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 144 | 2 | 76.3 | 76.3 | 43.8 | 76.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 146.8 | 3 | 76.3 | 76.2 | 44.9 | 76.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 149.6 | 4 | 76.2 | 76.2 | 46 | 76.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 152.4 | 5 | 76.1 | 76.1 | 47.2 | 76.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 155.2 | 6 | 76 | 76 | 48.1 | 76 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 158 | 7 | 75.9 | 75.8 | 48.9 | 75.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 160.8 | 8 | 75.7 | 75.7 | 49.7 | 75.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 163.6 | 9 | 75.6 | 75.6 | 50.3 | 75.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 166.4 | 10 | 75.5 | 75.4 | 50.8 | 75.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 169.2 | 11 | 75.4 | 75.3 | 51.1 | 75.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 172 | 12 | 75.2 | 75.2 | 51.5 | 75.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 174.8 | 13 | 75.1 | 75.1 | 51.8 | 75.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 177.6 | 14 | 75 | 75 | 52.1 | 75 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 180.4 | 15 | 74.9 | 74.8 | 52.2 | 74.8 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 183.2 | 16 | 74.8 | 74.7 | 52.4 | 74.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 186 | 17 | 74.6 | 74.6 | 52.4 | 74.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 188.8 | 18 | 74.5 | 74.5 | 52.6 | 74.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 191.6 | 19 | 74.5 | 74.4 | 52.7 | 74.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 194.4 | 20 | 74.3 | 74.3 | 52.8 | 74.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 197.2 | 21 | 74.3 | 74.2 | 52.8 | 74.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 200 | 22 | 74.2 | 74.1 | 52.9 | 74.2 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 202.8 | 23 | 74.1 | 74 | 53 | 74.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 205.6 | 24 | 74 | 74 | 53 | 74 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 208.4 | 25 | 73.9 | 73.9 | 53.1 | 73.9 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 211.2 | 26 | 73.9 | 73.8 | 53.2 | 73.9 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 214 | 27 | 73.8 | 73.7 | 53.3 | 73.8 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 216.8 | 28 | 73.7 | 73.7 | 53.3 | 73.7 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 219.6 | 29 | 73.6 | 73.6 | 53.4 | 73.6 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 222.4 | 30 | 73.6 | 73.5 | 53.6 | 73.6 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 225.2 | 31 | 73.5 | 73.5 | 53.7 | 73.5 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 228 | 32 | 73.5 | 73.4 | 53.7 | 73.5 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 230.8 | 33 | 73.4 | 73.4 | 53.7 | 73.4 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 233.6 | 34 | 73.3 | 73.3 | 53.7 | 73.3 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 236.4 | 35 | 73.3 | 73.2 | 53.8 | 73.3 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 239.2 | 36 | 73.2 | 73.2 | 53.8 | 73.2 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 242 | 37 | 73.2 | 73.1 | 53.9 | 73.2 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 244.8 | 38 | 73.1 | 73.1 | 54 | 73.1 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 247.6 | 39 | 73.1 | 73 | 54.1 | 73.1 | 70 | Y | 0.1 | N | N | N | 5 | 0 | 0 |
| NSMP-103 | 250.4 | 40 | 73 | 73 | 54.1 | 73 | 70 | Y | 0 | N | N | N | 5 | 0 | 0 |
| NHTE-101 | 102.8 | 1 | 74.9 | 74.9 | 0 | 74.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 105.5 | 2 | 75.2 | 75.2 | 0 | 75.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 108.2 | 3 | 74.9 | 74.9 | 0 | 74.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 110.9 | 4 | 74.6 | 74.6 | 0 | 74.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 113.6 | 5 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 116.3 | 6 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 119 | 7 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 121.7 | 8 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 124.4 | 9 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 127.1 | 10 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 129.8 | 11 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 132.5 | 12 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 135.2 | 13 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 137.9 | 14 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 140.6 | 15 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 143.3 | 16 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 146 | 17 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 148.7 | 18 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 151.4 | 19 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 154.1 | 20 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 156.8 | 21 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 159.5 | 22 | 69.7 | 69.7 | 0 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 162.2 | 23 | 69.6 | 69.6 | 0 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 164.9 | 24 | 69.4 | 69.4 | 0 | 69.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 167.6 | 25 | 69.3 | 69.3 | 0 | 69.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 170.3 | 26 | 69.1 | 69.1 | 0 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 173 | 27 | 69 | 69 | 0 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 175.7 | 28 | 68.9 | 68.9 | 0 | 68.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 178.4 | 29 | 68.7 | 68.7 | 0 | 68.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-101 | 181.1 | 30 | 68.6 | 68.6 | 0 | 68.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 102.8 | 1 | 77.4 | 77.4 | 0 | 77.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 105.5 | 2 | 77.1 | 77.1 | 0 | 77.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 108.2 | 3 | 76.8 | 76.8 | 0 | 76.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 110.9 | 4 | 76.4 | 76.4 | 0 | 76.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 113.6 | 5 | 76 | 76 | 0 | 76 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 116.3 | 6 | 75.6 | 75.6 | 0 | 75.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 119 | 7 | 75.2 | 75.2 | 0 | 75.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 121.7 | 8 | 74.8 | 74.8 | 0 | 74.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 124.4 | 9 | 74.5 | 74.5 | 0 | 74.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 127.1 | 10 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 129.8 | 11 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 132.5 | 12 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 135.2 | 13 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 137.9 | 14 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 140.6 | 15 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 143.3 | 16 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 146 | 17 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 148.7 | 18 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-102 | 151.4 | 19 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 154.1 | 20 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 156.8 | 21 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 159.5 | 22 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 162.2 | 23 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 164.9 | 24 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 167.6 | 25 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 170.3 | 26 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 173 | 27 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 175.7 | 28 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 178.4 | 29 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-102 | 181.1 | 30 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 102.8 | 1 | 75.5 | 75.5 | 0 | 75.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 105.5 | 2 | 75.4 | 75.4 | 0 | 75.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 108.2 | 3 | 75.2 | 75.2 | 0 | 75.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 110.9 | 4 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 113.6 | 5 | 74.7 | 74.7 | 0 | 74.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 116.3 | 6 | 74.5 | 74.5 | 0 | 74.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 119 | 7 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 121.7 | 8 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 124.4 | 9 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 127.1 | 10 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 129.8 | 11 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 132.5 | 12 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 135.2 | 13 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 137.9 | 14 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 140.6 | 15 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 143.3 | 16 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 146 | 17 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 148.7 | 18 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 151.4 | 19 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 154.1 | 20 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 156.8 | 21 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 159.5 | 22 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 162.2 | 23 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 164.9 | 24 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 167.6 | 25 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 170.3 | 26 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 173 | 27 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 175.7 | 28 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 178.4 | 29 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-103 | 181.1 | 30 | 69.7 | 69.7 | 0 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 102.8 | 1 | 76.1 | 76.1 | 0 | 76.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 105.5 | 2 | 75.9 | 75.9 | 0 | 75.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 108.2 | 3 | 75.7 | 75.7 | 0 | 75.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 110.9 | 4 | 75.4 | 75.4 | 0 | 75.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 113.6 | 5 | 75.2 | 75.2 | 0 | 75.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 116.3 | 6 | 74.8 | 74.8 | 0 | 74.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 119 | 7 | 74.5 | 74.5 | 0 | 74.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 121.7 | 8 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 124.4 | 9 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 127.1 | 10 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 129.8 | 11 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 132.5 | 12 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 135.2 | 13 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 137.9 | 14 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 140.6 | 15 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 143.3 | 16 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 146 | 17 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 148.7 | 18 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 151.4 | 19 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 154.1 | 20 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 156.8 | 21 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 159.5 | 22 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 162.2 | 23 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 164.9 | 24 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 167.6 | 25 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 170.3 | 26 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 173 | 27 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 175.7 | 28 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 178.4 | 29 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-104 | 181.1 | 30 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 102.8 | 1 | 77.8 | 77.8 | 0 | 77.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 105.5 | 2 | 77.5 | 77.5 | 0 | 77.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 108.2 | 3 | 77.1 | 77.1 | 0 | 77.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 110.9 | 4 | 76.7 | 76.7 | 0 | 76.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 113.6 | 5 | 76.2 | 76.2 | 0 | 76.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 116.3 | 6 | 75.8 | 75.8 | 0 | 75.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 119 | 7 | 75.4 | 75.4 | 0 | 75.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 121.7 | 8 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 124.4 | 9 | 74.7 | 74.7 | 0 | 74.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 127.1 | 10 | 74.4 | 74.4 | 0 | 74.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 129.8 | 11 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 132.5 | 12 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 135.2 | 13 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 137.9 | 14 | 73.2 | 73.2 | 0 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 140.6 | 15 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 143.3 | 16 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 146 | 17 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 148.7 | 18 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 151.4 | 19 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 154.1 | 20 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 156.8 | 21 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 159.5 | 22 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 162.2 | 23 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 164.9 | 24 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 167.6 | 25 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 170.3 | 26 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 173 | 27 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 175.7 | 28 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 178.4 | 29 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-105 | 181.1 | 30 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 102.8 | 1 | 75.3 | 75.3 | 0 | 75.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 105.5 | 2 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 108.2 | 3 | 74.7 | 74.7 | 0 | 74.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 110.9 | 4 | 74.4 | 74.4 | 0 | 74.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 113.6 | 5 | 74 | 74 | 0 | 74 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 116.3 | 6 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 119 | 7 | 73.2 | 73.2 | 0 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 121.7 | 8 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 124.4 | 9 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 127.1 | 10 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 129.8 | 11 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-106 | 132.5 | 12 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 135.2 | 13 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 137.9 | 14 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 140.6 | 15 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 143.3 | 16 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 146 | 17 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 148.7 | 18 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 151.4 | 19 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 154.1 | 20 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 156.8 | 21 | 69.7 | 69.7 | 0 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 159.5 | 22 | 69.5 | 69.5 | 0 | 69.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 162.2 | 23 | 69.4 | 69.4 | 0 | 69.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 164.9 | 24 | 69.2 | 69.2 | 0 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 167.6 | 25 | 69 | 69 | 0 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 170.3 | 26 | 68.9 | 68.9 | 0 | 68.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 173 | 27 | 68.7 | 68.7 | 0 | 68.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 175.7 | 28 | 68.6 | 68.6 | 0 | 68.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 178.4 | 29 | 68.5 | 68.5 | 0 | 68.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-106 | 181.1 | 30 | 68.3 | 68.3 | 0 | 68.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 102.8 | 1 | 66.4 | 66 | 54.6 | 66.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 105.5 | 2 | 67 | 66.5 | 56.7 | 66.9 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 108.2 | 3 | 67.4 | 66.8 | 57.6 | 67.3 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 110.9 | 4 | 67.7 | 67 | 58 | 67.5 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 113.6 | 5 | 67.8 | 67.1 | 58.2 | 67.7 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 116.3 | 6 | 67.9 | 67.3 | 58.3 | 67.8 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 119 | 7 | 68.1 | 67.4 | 58.4 | 67.9 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 121.7 | 8 | 68.2 | 67.5 | 58.6 | 68 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 124.4 | 9 | 68.3 | 67.6 | 58.7 | 68.2 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 127.1 | 10 | 68.4 | 67.8 | 58.8 | 68.3 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 129.8 | 11 | 68.7 | 68.1 | 58.9 | 68.6 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 132.5 | 12 | 68.9 | 68.3 | 59 | 68.8 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 135.2 | 13 | 69.2 | 68.7 | 59.1 | 69.1 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 137.9 | 14 | 69.5 | 69 | 59.2 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 140.6 | 15 | 69.8 | 69.3 | 59.3 | 69.7 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 143.3 | 16 | 70 | 69.5 | 59.4 | 69.9 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 146 | 17 | 70.2 | 69.8 | 59.5 | 70.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 148.7 | 18 | 70.4 | 70 | 59.6 | 70.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 151.4 | 19 | 70.6 | 70.2 | 59.7 | 70.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 154.1 | 20 | 70.8 | 70.4 | 59.7 | 70.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 156.8 | 21 | 70.9 | 70.6 | 59.8 | 70.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 159.5 | 22 | 71 | 70.7 | 59.9 | 71 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 162.2 | 23 | 71.1 | 70.7 | 60 | 71.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 164.9 | 24 | 71.3 | 70.9 | 60.1 | 71.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 167.6 | 25 | 71.4 | 71.1 | 60.2 | 71.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 170.3 | 26 | 71.6 | 71.2 | 60.3 | 71.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 173 | 27 | 71.7 | 71.3 | 60.3 | 71.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 175.7 | 28 | 71.8 | 71.5 | 60.4 | 71.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 178.4 | 29 | 71.8 | 71.5 | 60.4 | 71.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-107 | 181.1 | 30 | 71.9 | 71.6 | 60.5 | 71.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 102.8 | 1 | 63.9 | 62.9 | 55.9 | 63.6 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 105.5 | 2 | 65.3 | 64.1 | 57.9 | 65 | 70 | N | 0.9 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 108.2 | 3 | 65.9 | 64.6 | 59 | 65.6 | 70 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NHTE-108 | 110.9 | 4 | 66.2 | 64.8 | 59.4 | 65.9 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHTE-108 | 113.6 | 5 | 66.4 | 65.1 | 59.6 | 66.2 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHTE-108 | 116.3 | 6 | 66.6 | 65.4 | 59.7 | 66.4 | 70 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NHTE-108 | 119 | 7 | 66.9 | 65.7 | 59.8 | 66.7 | 70 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NHTE-108 | 121.7 | 8 | 67.2 | 66.1 | 59.9 | 67 | 70 | N | 0.9 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 124.4 | 9 | 67.7 | 66.7 | 60.1 | 67.5 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 127.1 | 10 | 68.1 | 67.2 | 60.2 | 67.9 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 129.8 | 11 | 68.6 | 67.8 | 60.3 | 68.5 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 132.5 | 12 | 69 | 68.3 | 60.3 | 69 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 135.2 | 13 | 69.4 | 68.8 | 60.4 | 69.4 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 137.9 | 14 | 69.7 | 69.1 | 60.5 | 69.7 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 140.6 | 15 | 70.1 | 69.5 | 60.6 | 70 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 143.3 | 16 | 70.3 | 69.7 | 60.7 | 70.2 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 146 | 17 | 70.5 | 70 | 60.8 | 70.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 148.7 | 18 | 70.7 | 70.2 | 60.8 | 70.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 151.4 | 19 | 70.8 | 70.3 | 60.9 | 70.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 154.1 | 20 | 71 | 70.5 | 61 | 70.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 156.8 | 21 | 71.1 | 70.7 | 61 | 71.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 159.5 | 22 | 71.2 | 70.8 | 61.1 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 162.2 | 23 | 71.4 | 70.9 | 61.2 | 71.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 164.9 | 24 | 71.4 | 71 | 61.3 | 71.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 167.6 | 25 | 71.5 | 71.1 | 61.3 | 71.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 170.3 | 26 | 71.6 | 71.1 | 61.4 | 71.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 173 | 27 | 71.6 | 71.2 | 61.4 | 71.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 175.7 | 28 | 71.6 | 71.2 | 61.5 | 71.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 178.4 | 29 | 71.7 | 71.2 | 61.5 | 71.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-108 | 181.1 | 30 | 71.7 | 71.2 | 61.6 | 71.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 102.8 | 1 | 64.3 | 62.8 | 57.7 | 64 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHTE-109 | 105.5 | 2 | 65.6 | 64.2 | 59.3 | 65.4 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHTE-109 | 108.2 | 3 | 66.2 | 64.8 | 60.1 | 66 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHTE-109 | 110.9 | 4 | 66.6 | 65.2 | 60.4 | 66.4 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHTE-109 | 113.6 | 5 | 67 | 65.7 | 60.5 | 66.9 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHTE-109 | 116.3 | 6 | 67.6 | 66.4 | 60.6 | 67.4 | 70 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NHTE-109 | 119 | 7 | 68.3 | 67.3 | 60.7 | 68.1 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 121.7 | 8 | 68.9 | 68.1 | 60.7 | 68.8 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 124.4 | 9 | 69.5 | 68.8 | 60.8 | 69.4 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 127.1 | 10 | 69.9 | 69.3 | 60.9 | 69.9 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 129.8 | 11 | 70.3 | 69.7 | 60.9 | 70.2 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 132.5 | 12 | 70.6 | 70.1 | 61 | 70.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 135.2 | 13 | 70.8 | 70.3 | 61.1 | 70.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 137.9 | 14 | 71.1 | 70.6 | 61.1 | 71 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 140.6 | 15 | 71.2 | 70.7 | 61.2 | 71.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 143.3 | 16 | 71.4 | 70.9 | 61.2 | 71.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 146 | 17 | 71.5 | 71 | 61.2 | 71.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 148.7 | 18 | 71.6 | 71.2 | 61.3 | 71.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 151.4 | 19 | 71.7 | 71.3 | 61.3 | 71.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 154.1 | 20 | 71.8 | 71.4 | 61.4 | 71.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 156.8 | 21 | 71.9 | 71.5 | 61.4 | 71.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 159.5 | 22 | 71.9 | 71.5 | 61.4 | 71.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 162.2 | 23 | 72 | 71.5 | 61.5 | 71.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 164.9 | 24 | 72 | 71.5 | 61.5 | 72 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 167.6 | 25 | 72 | 71.5 | 61.6 | 72 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 170.3 | 26 | 72 | 71.5 | 61.6 | 71.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 173 | 27 | 72 | 71.6 | 61.6 | 72 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 175.7 | 28 | 72 | 71.5 | 61.7 | 72 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 178.4 | 29 | 72 | 71.5 | 61.7 | 71.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-109 | 181.1 | 30 | 72 | 71.5 | 61.7 | 71.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 102.8 | 1 | 66.2 | 64.6 | 60.2 | 66 | 70 | N | 1.4 | Y | N | N | 2 | 0 | 0 |
| NHTE-110 | 105.5 | 2 | 67.3 | 66 | 60.9 | 67.2 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHTE-110 | 108.2 | 3 | 68.1 | 67 | 61.1 | 68 | 70 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NHTE-110 | 110.9 | 4 | 69.1 | 68.2 | 61.2 | 69 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-110 | 113.6 | 5 | 69.9 | 69.2 | 61.3 | 69.9 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 116.3 | 6 | 70.7 | 70.1 | 61.3 | 70.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 119 | 7 | 71.2 | 70.7 | 61.4 | 71.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 121.7 | 8 | 71.6 | 71.1 | 61.5 | 71.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 124.4 | 9 | 72 | 71.5 | 61.6 | 72 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 127.1 | 10 | 72.2 | 71.8 | 61.7 | 72.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 129.8 | 11 | 72.5 | 72 | 61.7 | 72.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 132.5 | 12 | 72.6 | 72.2 | 61.8 | 72.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 135.2 | 13 | 72.8 | 72.3 | 61.9 | 72.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 137.9 | 14 | 72.9 | 72.6 | 61.9 | 72.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 140.6 | 15 | 73.1 | 72.7 | 62 | 73.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 143.3 | 16 | 73.2 | 72.8 | 62 | 73.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 146 | 17 | 73.2 | 72.9 | 62.1 | 73.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 148.7 | 18 | 73.3 | 72.9 | 62.1 | 73.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 151.4 | 19 | 73.3 | 73 | 62.2 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 154.1 | 20 | 73.4 | 73 | 62.2 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 156.8 | 21 | 73.4 | 73 | 62.3 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 159.5 | 22 | 73.4 | 73 | 62.4 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 162.2 | 23 | 73.3 | 73 | 62.4 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 164.9 | 24 | 73.3 | 73 | 62.4 | 73.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 167.6 | 25 | 73.3 | 72.9 | 62.5 | 73.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 170.3 | 26 | 73.3 | 72.9 | 62.5 | 73.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 173 | 27 | 73.2 | 72.8 | 62.5 | 73.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 175.7 | 28 | 73.2 | 72.8 | 62.6 | 73.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 178.4 | 29 | 73.2 | 72.8 | 62.6 | 73.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-110 | 181.1 | 30 | 73.1 | 72.7 | 62.6 | 73.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-111 | 102.8 | 1 | 68.4 | 67.3 | 61 | 68.2 | 70 | N | 0.9 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 105.5 | 2 | 69.6 | 68.8 | 61.1 | 69.5 | 70 | N | 0.7 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 108.2 | 3 | 70.7 | 70.1 | 61.2 | 70.6 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 110.9 | 4 | 71.5 | 71 | 61.3 | 71.5 | 70 | Y | 0.5 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 113.6 | 5 | 72 | 71.5 | 61.3 | 71.9 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 116.3 | 6 | 72.4 | 72 | 61.4 | 72.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 119 | 7 | 72.6 | 72.2 | 61.5 | 72.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 121.7 | 8 | 72.9 | 72.5 | 61.5 | 72.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 124.4 | 9 | 73.1 | 72.7 | 61.6 | 73 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 127.1 | 10 | 73.3 | 72.9 | 61.7 | 73.2 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 129.8 | 11 | 73.5 | 73.1 | 61.7 | 73.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 132.5 | 12 | 73.6 | 73.2 | 61.7 | 73.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 135.2 | 13 | 73.7 | 73.3 | 61.8 | 73.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 137.9 | 14 | 73.7 | 73.4 | 61.8 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 140.6 | 15 | 73.8 | 73.4 | 61.8 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 143.3 | 16 | 73.8 | 73.4 | 61.9 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 146 | 17 | 73.8 | 73.4 | 61.9 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 148.7 | 18 | 73.8 | 73.4 | 62 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 151.4 | 19 | 73.7 | 73.4 | 62 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 154.1 | 20 | 73.7 | 73.3 | 62 | 73.7 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 156.8 | 21 | 73.7 | 73.3 | 62 | 73.6 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 159.5 | 22 | 73.6 | 73.2 | 62.1 | 73.6 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 162.2 | 23 | 73.6 | 73.2 | 62.1 | 73.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 164.9 | 24 | 73.6 | 73.2 | 62.2 | 73.5 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 167.6 | 25 | 73.5 | 73.1 | 62.2 | 73.5 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 170.3 | 26 | 73.4 | 73 | 62.2 | 73.4 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 173 | 27 | 73.4 | 73 | 62.2 | 73.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 175.7 | 28 | 73.3 | 72.9 | 62.2 | 73.3 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 178.4 | 29 | 73.3 | 72.9 | 62.2 | 73.3 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-111 | 181.1 | 30 | 73.2 | 72.8 | 62.3 | 73.2 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 102.8 | 1 | 65.4 | 65.3 | 47.3 | 65.4 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 105.5 | 2 | 65.8 | 65.7 | 47.6 | 65.7 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 108.2 | 3 | 66.2 | 66.1 | 48 | 66.2 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 110.9 | 4 | 66.6 | 66.5 | 48.3 | 66.6 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 113.6 | 5 | 67.1 | 67 | 48.6 | 67.1 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 116.3 | 6 | 67.6 | 67.5 | 49 | 67.6 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 119 | 7 | 68.3 | 68.2 | 49.4 | 68.3 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 121.7 | 8 | 68.9 | 68.8 | 49.9 | 68.9 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 124.4 | 9 | 69.4 | 69.3 | 50.2 | 69.4 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 127.1 | 10 | 70 | 70 | 50.7 | 70 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 129.8 | 11 | 70.7 | 70.7 | 50.9 | 70.7 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 132.5 | 12 | 71.2 | 71.2 | 51.3 | 71.3 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 135.2 | 13 | 71.7 | 71.7 | 51.7 | 71.7 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 137.9 | 14 | 72 | 72 | 52.1 | 72 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 140.6 | 15 | 72.3 | 72.3 | 52.5 | 72.4 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 143.3 | 16 | 72.6 | 72.6 | 52.9 | 72.6 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 146 | 17 | 72.8 | 72.8 | 53.1 | 72.9 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 148.7 | 18 | 73 | 73 | 53.4 | 73 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 151.4 | 19 | 73.2 | 73.2 | 53.7 | 73.2 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 154.1 | 20 | 73.3 | 73.3 | 54 | 73.3 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 156.8 | 21 | 73.4 | 73.4 | 54.2 | 73.4 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 159.5 | 22 | 73.5 | 73.5 | 54.6 | 73.5 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 162.2 | 23 | 73.5 | 73.5 | 54.7 | 73.6 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 164.9 | 24 | 73.6 | 73.6 | 54.7 | 73.6 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 167.6 | 25 | 73.6 | 73.6 | 54.8 | 73.7 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 170.3 | 26 | 73.7 | 73.7 | 54.9 | 73.7 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 173 | 27 | 73.7 | 73.7 | 55.1 | 73.8 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 175.7 | 28 | 73.7 | 73.7 | 55.3 | 73.8 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 178.4 | 29 | 73.7 | 73.7 | 55.4 | 73.8 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-112 | 181.1 | 30 | 73.7 | 73.7 | 55.5 | 73.8 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-113 | 102.8 | 1 | 65.3 | 65 | 50 | 65.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 105.5 | 2 | 65.7 | 65.4 | 50.3 | 65.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 108.2 | 3 | 66.1 | 65.8 | 50.6 | 66 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 110.9 | 4 | 66.5 | 66.2 | 50.9 | 66.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 113.6 | 5 | 66.9 | 66.7 | 51.3 | 66.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 116.3 | 6 | 67.3 | 67.1 | 51.7 | 67.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 119 | 7 | 67.8 | 67.6 | 51.9 | 67.7 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 121.7 | 8 | 68.3 | 68.1 | 52.3 | 68.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 124.4 | 9 | 68.9 | 68.7 | 52.7 | 68.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 127.1 | 10 | 69.4 | 69.3 | 53.1 | 69.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 129.8 | 11 | 69.9 | 69.7 | 53.5 | 69.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 132.5 | 12 | 70.5 | 70.3 | 53.8 | 70.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 2 |
| NHTE-113 | 135.2 | 13 | 71 | 70.8 | 54.1 | 70.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 137.9 | 14 | 71.4 | 71.3 | 54.5 | 71.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 140.6 | 15 | 71.8 | 71.7 | 54.7 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 143.3 | 16 | 72 | 71.9 | 55.1 | 72 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 146 | 17 | 72.3 | 72.2 | 55.3 | 72.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 148.7 | 18 | 72.5 | 72.4 | 55.6 | 72.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 151.4 | 19 | 72.7 | 72.6 | 55.8 | 72.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 154.1 | 20 | 72.9 | 72.8 | 56.1 | 72.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 156.8 | 21 | 73 | 72.9 | 56.3 | 73 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 159.5 | 22 | 73.2 | 73.1 | 56.5 | 73.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 162.2 | 23 | 73.3 | 73.2 | 56.7 | 73.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 164.9 | 24 | 73.3 | 73.3 | 56.9 | 73.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 167.6 | 25 | 73.4 | 73.4 | 57 | 73.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 170.3 | 26 | 73.5 | 73.4 | 57.1 | 73.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 173 | 27 | 73.5 | 73.4 | 57.3 | 73.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-113 | 175.7 | 28 | 73.6 | 73.5 | 57.3 | 73.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 178.4 | 29 | 73.6 | 73.5 | 57.4 | 73.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-113 | 181.1 | 30 | 73.6 | 73.6 | 57.6 | 73.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 102.8 | 1 | 63.3 | 63.2 | 48.3 | 63.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 105.5 | 2 | 63.6 | 63.5 | 48.6 | 63.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 108.2 | 3 | 63.9 | 63.8 | 48.9 | 63.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 110.9 | 4 | 64.2 | 64 | 49.2 | 64.2 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 113.6 | 5 | 64.4 | 64.3 | 49.6 | 64.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 116.3 | 6 | 64.6 | 64.5 | 50.1 | 64.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 119 | 7 | 64.9 | 64.8 | 50.3 | 65 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 121.7 | 8 | 65.2 | 65.1 | 50.7 | 65.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 124.4 | 9 | 65.5 | 65.4 | 51.1 | 65.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 127.1 | 10 | 65.8 | 65.7 | 51.5 | 65.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 129.8 | 11 | 66.2 | 66.1 | 51.8 | 66.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 132.5 | 12 | 66.7 | 66.6 | 52.2 | 66.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 135.2 | 13 | 67 | 66.9 | 52.5 | 67.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 137.9 | 14 | 67.5 | 67.4 | 52.8 | 67.6 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 140.6 | 15 | 67.9 | 67.8 | 53.2 | 67.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 143.3 | 16 | 68.2 | 68.1 | 53.5 | 68.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 146 | 17 | 68.7 | 68.6 | 53.9 | 68.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 148.7 | 18 | 69.1 | 69.1 | 54.1 | 69.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 151.4 | 19 | 69.5 | 69.4 | 54.4 | 69.6 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 154.1 | 20 | 69.8 | 69.8 | 54.6 | 69.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 156.8 | 21 | 70.1 | 70.1 | 54.8 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 159.5 | 22 | 70.4 | 70.3 | 55 | 70.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 162.2 | 23 | 70.5 | 70.5 | 55.2 | 70.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 164.9 | 24 | 70.6 | 70.6 | 55.4 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 167.6 | 25 | 70.9 | 70.9 | 55.6 | 71 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 170.3 | 26 | 71.1 | 71 | 55.7 | 71.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 173 | 27 | 71.3 | 71.2 | 55.7 | 71.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 175.7 | 28 | 71.4 | 71.4 | 55.8 | 71.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 178.4 | 29 | 71.5 | 71.5 | 55.8 | 71.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-114 | 181.1 | 30 | 71.6 | 71.6 | 56 | 71.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 102.8 | 1 | 62.4 | 61.6 | 50.7 | 61.9 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 105.5 | 2 | 62.7 | 61.9 | 51.2 | 62.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 108.2 | 3 | 63 | 62.2 | 51.5 | 62.5 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 110.9 | 4 | 63.3 | 62.5 | 51.7 | 62.8 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 113.6 | 5 | 63.5 | 62.7 | 51.9 | 63.1 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 116.3 | 6 | 63.7 | 63 | 52.2 | 63.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 119 | 7 | 63.9 | 63.2 | 52.4 | 63.5 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 121.7 | 8 | 64.2 | 63.5 | 52.6 | 63.8 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 124.4 | 9 | 64.4 | 63.8 | 52.8 | 64.1 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 127.1 | 10 | 64.7 | 64.1 | 53 | 64.4 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 129.8 | 11 | 65 | 64.4 | 53.2 | 64.7 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 132.5 | 12 | 65.3 | 64.7 | 53.5 | 65.1 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 135.2 | 13 | 65.7 | 65.1 | 53.7 | 65.4 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 137.9 | 14 | 66.1 | 65.6 | 53.8 | 65.9 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 140.6 | 15 | 66.6 | 66.2 | 54 | 66.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 143.3 | 16 | 66.8 | 66.4 | 54.3 | 66.7 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 146 | 17 | 67.4 | 67 | 54.5 | 67.2 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 148.7 | 18 | 67.6 | 67.3 | 54.7 | 67.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 151.4 | 19 | 68.1 | 67.8 | 54.9 | 68 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 154.1 | 20 | 68.5 | 68.2 | 55.1 | 68.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 156.8 | 21 | 68.9 | 68.6 | 55.3 | 68.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 159.5 | 22 | 69.2 | 69 | 55.5 | 69.2 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 162.2 | 23 | 69.5 | 69.2 | 55.6 | 69.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 164.9 | 24 | 69.7 | 69.5 | 55.8 | 69.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 167.6 | 25 | 69.9 | 69.7 | 56 | 69.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 170.3 | 26 | 70.1 | 69.9 | 56.2 | 70.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 173 | 27 | 70.2 | 70 | 56.4 | 70.2 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 175.7 | 28 | 70.4 | 70.2 | 56.5 | 70.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 178.4 | 29 | 70.5 | 70.3 | 56.7 | 70.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-115 | 181.1 | 30 | 70.5 | 70.3 | 56.8 | 70.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 102.8 | 1 | 59.5 | 57.3 | 53.5 | 58.8 | 70 | N | 1.5 | Y | N | N | 2 | 0 | 0 |
| NHTE-116 | 105.5 | 2 | 62.8 | 61.5 | 54.7 | 62.3 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 108.2 | 3 | 63.3 | 62.2 | 55.1 | 62.9 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 110.9 | 4 | 63.6 | 62.5 | 55.3 | 63.2 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 113.6 | 5 | 63.8 | 62.7 | 55.4 | 63.5 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 116.3 | 6 | 64.1 | 63 | 55.5 | 63.7 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 119 | 7 | 64.3 | 63.3 | 55.7 | 64 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 121.7 | 8 | 64.6 | 63.6 | 55.8 | 64.2 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 124.4 | 9 | 64.9 | 63.9 | 55.9 | 64.5 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 127.1 | 10 | 65.1 | 64.2 | 56 | 64.8 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 129.8 | 11 | 65.5 | 64.6 | 56.1 | 65.2 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 132.5 | 12 | 65.8 | 65 | 56.2 | 65.6 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 135.2 | 13 | 66.2 | 65.4 | 56.4 | 65.9 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 137.9 | 14 | 66.5 | 65.8 | 56.4 | 66.3 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 140.6 | 15 | 66.9 | 66.3 | 56.5 | 66.8 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 143.3 | 16 | 67.3 | 66.7 | 56.6 | 67.1 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 146 | 17 | 67.5 | 67 | 56.7 | 67.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 148.7 | 18 | 67.9 | 67.5 | 56.7 | 67.8 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 151.4 | 19 | 68.3 | 67.8 | 56.8 | 68.1 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 154.1 | 20 | 68.6 | 68.2 | 56.9 | 68.5 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 156.8 | 21 | 69 | 68.6 | 57 | 68.9 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 159.5 | 22 | 69.3 | 68.9 | 57.1 | 69.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 162.2 | 23 | 69.6 | 69.3 | 57.2 | 69.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 164.9 | 24 | 69.8 | 69.5 | 57.3 | 69.8 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 167.6 | 25 | 70 | 69.7 | 57.4 | 70 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 170.3 | 26 | 70.2 | 69.9 | 57.5 | 70.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 173 | 27 | 70.3 | 70.1 | 57.6 | 70.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 175.7 | 28 | 70.5 | 70.3 | 57.7 | 70.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 178.4 | 29 | 70.6 | 70.3 | 57.8 | 70.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-116 | 181.1 | 30 | 70.7 | 70.4 | 57.9 | 70.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 102.6 | 1 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 105.3 | 2 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 108 | 3 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 110.7 | 4 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 113.4 | 5 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 116.1 | 6 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 118.8 | 7 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 121.5 | 8 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 124.2 | 9 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 126.9 | 10 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 129.6 | 11 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 132.3 | 12 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 135 | 13 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 137.7 | 14 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 140.4 | 15 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 143.1 | 16 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 145.8 | 17 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 148.5 | 18 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 151.2 | 19 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 153.9 | 20 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-201 | 156.6 | 21 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 159.3 | 22 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 162 | 23 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 164.7 | 24 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 167.4 | 25 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 170.1 | 26 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 172.8 | 27 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 175.5 | 28 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 178.2 | 29 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-201 | 180.9 | 30 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 102.6 | 1 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 105.3 | 2 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 108 | 3 | 74.9 | 74.9 | 0 | 74.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 110.7 | 4 | 74.7 | 74.7 | 0 | 74.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 113.4 | 5 | 74.5 | 74.5 | 0 | 74.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 116.1 | 6 | 74.3 | 74.3 | 0 | 74.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 118.8 | 7 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 121.5 | 8 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 124.2 | 9 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 126.9 | 10 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 129.6 | 11 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 132.3 | 12 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 135 | 13 | 72.7 | 72.7 | 0 | 72.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 137.7 | 14 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 140.4 | 15 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 143.1 | 16 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 145.8 | 17 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 148.5 | 18 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 151.2 | 19 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 153.9 | 20 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 156.6 | 21 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 159.3 | 22 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 162 | 23 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 164.7 | 24 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 167.4 | 25 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 170.1 | 26 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 172.8 | 27 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 175.5 | 28 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 178.2 | 29 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-202 | 180.9 | 30 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 102.6 | 1 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 105.3 | 2 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 108 | 3 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 110.7 | 4 | 73.2 | 73.2 | 0 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 113.4 | 5 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 116.1 | 6 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 118.8 | 7 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 121.5 | 8 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 124.2 | 9 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 126.9 | 10 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 129.6 | 11 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 132.3 | 12 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 135 | 13 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 137.7 | 14 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 140.4 | 15 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 143.1 | 16 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 145.8 | 17 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 148.5 | 18 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 151.2 | 19 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 153.9 | 20 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 156.6 | 21 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 159.3 | 22 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 162 | 23 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 164.7 | 24 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 167.4 | 25 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 170.1 | 26 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 172.8 | 27 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 175.5 | 28 | 69.7 | 69.7 | 0 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 178.2 | 29 | 69.6 | 69.6 | 0 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-203 | 180.9 | 30 | 69.5 | 69.5 | 0 | 69.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 102.6 | 1 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 105.3 | 2 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 108 | 3 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 110.7 | 4 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 113.4 | 5 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 116.1 | 6 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 118.8 | 7 | 73.2 | 73.2 | 0 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 121.5 | 8 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 124.2 | 9 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 126.9 | 10 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 129.6 | 11 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 132.3 | 12 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 135 | 13 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 137.7 | 14 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 140.4 | 15 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 143.1 | 16 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 145.8 | 17 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 148.5 | 18 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 151.2 | 19 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 153.9 | 20 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 156.6 | 21 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 159.3 | 22 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 162 | 23 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 164.7 | 24 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 167.4 | 25 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 170.1 | 26 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 172.8 | 27 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 175.5 | 28 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 178.2 | 29 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-204 | 180.9 | 30 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 102.6 | 1 | 75.8 | 75.8 | 0 | 75.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 105.3 | 2 | 75.7 | 75.7 | 0 | 75.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 108 | 3 | 75.5 | 75.5 | 0 | 75.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 110.7 | 4 | 75.3 | 75.3 | 0 | 75.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 113.4 | 5 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 116.1 | 6 | 74.7 | 74.7 | 0 | 74.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 118.8 | 7 | 74.4 | 74.4 | 0 | 74.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 121.5 | 8 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 124.2 | 9 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 126.9 | 10 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 129.6 | 11 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 132.3 | 12 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 135 | 13 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-205 | 137.7 | 14 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 140.4 | 15 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 143.1 | 16 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 145.8 | 17 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 148.5 | 18 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 151.2 | 19 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 153.9 | 20 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 156.6 | 21 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 159.3 | 22 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 162 | 23 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 164.7 | 24 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 167.4 | 25 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 170.1 | 26 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 172.8 | 27 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 175.5 | 28 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 178.2 | 29 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-205 | 180.9 | 30 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 102.6 | 1 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 105.3 | 2 | 74 | 74 | 0 | 74 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 108 | 3 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 110.7 | 4 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 113.4 | 5 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 116.1 | 6 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 118.8 | 7 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 121.5 | 8 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 124.2 | 9 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 126.9 | 10 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 129.6 | 11 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 132.3 | 12 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 135 | 13 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 137.7 | 14 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 140.4 | 15 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 143.1 | 16 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 145.8 | 17 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 148.5 | 18 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 151.2 | 19 | 69.6 | 69.6 | 0 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 153.9 | 20 | 69.4 | 69.4 | 0 | 69.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 156.6 | 21 | 69.2 | 69.2 | 0 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 159.3 | 22 | 69 | 69 | 0 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 162 | 23 | 68.9 | 68.9 | 0 | 68.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 164.7 | 24 | 68.7 | 68.7 | 0 | 68.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 167.4 | 25 | 68.5 | 68.5 | 0 | 68.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 170.1 | 26 | 68.4 | 68.4 | 0 | 68.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 172.8 | 27 | 68.2 | 68.2 | 0 | 68.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 175.5 | 28 | 68.1 | 68.1 | 0 | 68.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 178.2 | 29 | 67.9 | 67.9 | 0 | 67.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-206 | 180.9 | 30 | 67.8 | 67.8 | 0 | 67.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 102.6 | 1 | 57.5 | 57.2 | 47.6 | 57.6 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 105.3 | 2 | 61.5 | 61.2 | 51.1 | 61.6 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 108 | 3 | 63.5 | 62.9 | 55.1 | 63.5 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 110.7 | 4 | 64.5 | 63.7 | 56.6 | 64.5 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 113.4 | 5 | 65.1 | 64.3 | 56.9 | 65.1 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 116.1 | 6 | 65.5 | 64.8 | 56.9 | 65.5 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 118.8 | 7 | 66 | 65.4 | 57 | 66 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 121.5 | 8 | 66.4 | 65.9 | 57 | 66.4 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 124.2 | 9 | 66.9 | 66.5 | 57.1 | 67 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 126.9 | 10 | 67.4 | 66.9 | 57.1 | 67.4 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 129.6 | 11 | 67.8 | 67.4 | 57.1 | 67.8 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 132.3 | 12 | 68 | 67.7 | 57.2 | 68 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 135 | 13 | 68.3 | 68 | 57.2 | 68.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 137.7 | 14 | 68.7 | 68.4 | 57.2 | 68.7 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 140.4 | 15 | 68.9 | 68.6 | 57.3 | 68.9 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 143.1 | 16 | 69.1 | 68.8 | 57.3 | 69.1 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 145.8 | 17 | 69.4 | 69.2 | 57.3 | 69.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 148.5 | 18 | 69.7 | 69.5 | 57.3 | 69.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 151.2 | 19 | 69.9 | 69.7 | 57.4 | 69.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 153.9 | 20 | 70.1 | 69.9 | 57.4 | 70.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 156.6 | 21 | 70.3 | 70.1 | 57.5 | 70.4 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 159.3 | 22 | 70.5 | 70.3 | 57.5 | 70.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 162 | 23 | 70.7 | 70.5 | 57.6 | 70.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 164.7 | 24 | 70.9 | 70.7 | 57.6 | 70.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 167.4 | 25 | 71 | 70.8 | 57.7 | 71 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 170.1 | 26 | 71.1 | 70.9 | 57.7 | 71.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 172.8 | 27 | 71.2 | 71 | 57.8 | 71.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 175.5 | 28 | 71.3 | 71.1 | 57.8 | 71.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 178.2 | 29 | 71.4 | 71.2 | 57.9 | 71.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-207 | 180.9 | 30 | 71.4 | 71.2 | 58 | 71.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 102.6 | 1 | 61.2 | 60.8 | 49.3 | 61.1 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 105.3 | 2 | 63.3 | 62.6 | 53.2 | 63.1 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 108 | 3 | 65.5 | 64.6 | 56.6 | 65.3 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 110.7 | 4 | 66.6 | 65.8 | 57.4 | 66.4 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 113.4 | 5 | 67.2 | 66.6 | 57.6 | 67.1 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 116.1 | 6 | 67.7 | 67.1 | 57.6 | 67.6 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 118.8 | 7 | 68.1 | 67.6 | 57.7 | 68 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 121.5 | 8 | 68.5 | 68 | 57.8 | 68.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 124.2 | 9 | 68.8 | 68.3 | 57.8 | 68.6 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 126.9 | 10 | 69.1 | 68.6 | 57.9 | 68.9 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 129.6 | 11 | 69.4 | 68.9 | 57.9 | 69.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 132.3 | 12 | 69.6 | 69.1 | 58 | 69.5 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 135 | 13 | 69.8 | 69.4 | 58 | 69.7 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 137.7 | 14 | 70.1 | 69.7 | 58.1 | 70 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 140.4 | 15 | 70.3 | 70 | 58.2 | 70.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 143.1 | 16 | 70.5 | 70.2 | 58.2 | 70.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 2 |
| NHTE-208 | 145.8 | 17 | 70.7 | 70.4 | 58.2 | 70.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 148.5 | 18 | 70.9 | 70.6 | 58.3 | 70.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 151.2 | 19 | 71.1 | 70.8 | 58.3 | 71 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 153.9 | 20 | 71.3 | 71 | 58.4 | 71.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 156.6 | 21 | 71.4 | 71.2 | 58.5 | 71.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 159.3 | 22 | 71.5 | 71.2 | 58.5 | 71.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 162 | 23 | 71.6 | 71.3 | 58.6 | 71.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 164.7 | 24 | 71.7 | 71.4 | 58.6 | 71.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 167.4 | 25 | 71.8 | 71.5 | 58.7 | 71.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 170.1 | 26 | 71.9 | 71.6 | 58.8 | 71.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 172.8 | 27 | 71.9 | 71.6 | 58.8 | 71.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 175.5 | 28 | 71.9 | 71.7 | 58.9 | 71.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 178.2 | 29 | 72 | 71.7 | 59 | 71.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-208 | 180.9 | 30 | 72 | 71.7 | 59.1 | 72 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 102.6 | 1 | 66.2 | 65.3 | 58 | 66 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 105.3 | 2 | 67.6 | 66.8 | 58.6 | 67.4 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 108 | 3 | 68.2 | 67.5 | 58.8 | 68.1 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 110.7 | 4 | 68.7 | 68.1 | 58.9 | 68.6 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 113.4 | 5 | 69 | 68.5 | 59 | 68.9 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 116.1 | 6 | 69.4 | 68.9 | 59.1 | 69.4 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-209 | 118.8 | 7 | 69.9 | 69.4 | 59.2 | 69.8 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 121.5 | 8 | 70.1 | 69.6 | 59.4 | 70 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 124.2 | 9 | 70.4 | 69.9 | 59.4 | 70.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 126.9 | 10 | 70.7 | 70.3 | 59.5 | 70.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 129.6 | 11 | 71 | 70.6 | 59.6 | 70.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 132.3 | 12 | 71.2 | 70.8 | 59.7 | 71.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 135 | 13 | 71.4 | 71 | 59.9 | 71.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 137.7 | 14 | 71.6 | 71.3 | 60 | 71.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 140.4 | 15 | 71.8 | 71.5 | 60 | 71.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 143.1 | 16 | 72 | 71.7 | 60.1 | 72 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 145.8 | 17 | 72.1 | 71.8 | 60.2 | 72.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 148.5 | 18 | 72.2 | 71.9 | 60.3 | 72.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 151.2 | 19 | 72.3 | 72 | 60.3 | 72.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 153.9 | 20 | 72.4 | 72.1 | 60.5 | 72.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 156.6 | 21 | 72.5 | 72.2 | 60.5 | 72.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 159.3 | 22 | 72.5 | 72.2 | 60.6 | 72.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 162 | 23 | 72.6 | 72.3 | 60.7 | 72.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 164.7 | 24 | 72.6 | 72.3 | 60.8 | 72.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 167.4 | 25 | 72.7 | 72.4 | 60.8 | 72.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 170.1 | 26 | 72.7 | 72.5 | 60.9 | 72.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 172.8 | 27 | 72.8 | 72.5 | 61 | 72.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 175.5 | 28 | 72.8 | 72.5 | 61 | 72.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 178.2 | 29 | 72.9 | 72.6 | 61.1 | 72.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-209 | 180.9 | 30 | 72.9 | 72.6 | 61.2 | 72.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 102.6 | 1 | 69.3 | 68.7 | 59.2 | 69.2 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 105.3 | 2 | 69.9 | 69.4 | 59.4 | 69.8 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 108 | 3 | 70.4 | 69.9 | 59.6 | 70.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 110.7 | 4 | 70.7 | 70.3 | 59.7 | 70.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 113.4 | 5 | 71.1 | 70.7 | 59.8 | 71 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 116.1 | 6 | 71.5 | 71.1 | 59.9 | 71.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 118.8 | 7 | 71.8 | 71.5 | 60 | 71.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 121.5 | 8 | 72.1 | 71.8 | 60.1 | 72.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 124.2 | 9 | 72.4 | 72.1 | 60.2 | 72.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 126.9 | 10 | 72.7 | 72.4 | 60.3 | 72.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 129.6 | 11 | 72.9 | 72.6 | 60.4 | 72.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 132.3 | 12 | 73.1 | 72.8 | 60.5 | 73 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 135 | 13 | 73.2 | 72.9 | 60.6 | 73.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 137.7 | 14 | 73.4 | 73.1 | 60.7 | 73.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 140.4 | 15 | 73.4 | 73.2 | 60.8 | 73.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 143.1 | 16 | 73.5 | 73.2 | 60.8 | 73.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 145.8 | 17 | 73.6 | 73.3 | 60.9 | 73.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 148.5 | 18 | 73.7 | 73.4 | 61 | 73.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 151.2 | 19 | 73.8 | 73.5 | 61.1 | 73.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 153.9 | 20 | 73.9 | 73.6 | 61.2 | 73.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 156.6 | 21 | 74 | 73.7 | 61.3 | 74 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 159.3 | 22 | 74 | 73.8 | 61.4 | 74 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 162 | 23 | 74.1 | 73.8 | 61.4 | 74.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 164.7 | 24 | 74.1 | 73.9 | 61.5 | 74.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 167.4 | 25 | 74.1 | 73.9 | 61.6 | 74.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 170.1 | 26 | 74.1 | 73.9 | 61.7 | 74.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 172.8 | 27 | 74.2 | 73.9 | 61.7 | 74.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 175.5 | 28 | 74.1 | 73.9 | 61.8 | 74.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 178.2 | 29 | 74.1 | 73.9 | 61.9 | 74.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-210 | 180.9 | 30 | 74.1 | 73.9 | 61.9 | 74.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHTE-211 | 102.6 | 1 | 70.2 | 69.7 | 59.5 | 70.1 | 70 | N | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 105.3 | 2 | 70.6 | 70.1 | 59.7 | 70.5 | 70 | Y | 0.4 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 108 | 3 | 71 | 70.6 | 59.8 | 70.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 110.7 | 4 | 71.5 | 71.1 | 59.9 | 71.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 113.4 | 5 | 71.8 | 71.5 | 60 | 71.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 116.1 | 6 | 72.1 | 71.8 | 60.1 | 72.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 118.8 | 7 | 72.5 | 72.1 | 60.2 | 72.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 121.5 | 8 | 72.7 | 72.4 | 60.3 | 72.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 124.2 | 9 | 72.9 | 72.6 | 60.4 | 72.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 126.9 | 10 | 73.1 | 72.8 | 60.5 | 73.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 129.6 | 11 | 73.3 | 73 | 60.7 | 73.2 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 132.3 | 12 | 73.3 | 73 | 60.8 | 73.3 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 135 | 13 | 73.4 | 73.1 | 60.9 | 73.4 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 137.7 | 14 | 73.6 | 73.3 | 61 | 73.5 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 140.4 | 15 | 73.7 | 73.4 | 61.1 | 73.7 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 143.1 | 16 | 73.8 | 73.5 | 61.2 | 73.8 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 145.8 | 17 | 73.9 | 73.6 | 61.2 | 73.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 148.5 | 18 | 73.9 | 73.7 | 61.3 | 73.9 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 151.2 | 19 | 74 | 73.7 | 61.4 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 153.9 | 20 | 74 | 73.7 | 61.5 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 156.6 | 21 | 74 | 73.7 | 61.6 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 159.3 | 22 | 74.1 | 73.8 | 61.7 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 162 | 23 | 74.1 | 73.8 | 61.8 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 164.7 | 24 | 74.1 | 73.8 | 61.9 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 167.4 | 25 | 74.1 | 73.8 | 61.9 | 74.1 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 170.1 | 26 | 74 | 73.8 | 62 | 74 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 172.8 | 27 | 74 | 73.7 | 62.1 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 175.5 | 28 | 74 | 73.7 | 62.2 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 178.2 | 29 | 73.9 | 73.7 | 62.2 | 74 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-211 | 180.9 | 30 | 73.9 | 73.6 | 62.3 | 73.9 | 70 | Y | 0.3 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 102.6 | 1 | 60.3 | 60.3 | 0 | 60.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 105.3 | 2 | 60.7 | 60.7 | 0 | 60.7 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 108 | 3 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 110.7 | 4 | 62.3 | 62.3 | 0 | 62.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 113.4 | 5 | 63.4 | 63.4 | 0 | 63.4 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 116.1 | 6 | 63.8 | 63.8 | 0 | 63.8 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 118.8 | 7 | 64.2 | 64.2 | 0 | 64.2 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 121.5 | 8 | 64.4 | 64.4 | 0 | 64.4 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 124.2 | 9 | 64.7 | 64.7 | 0 | 64.7 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 126.9 | 10 | 65 | 65 | 0 | 65 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 129.6 | 11 | 65.3 | 65.3 | 0 | 65.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 132.3 | 12 | 65.6 | 65.6 | 0 | 65.6 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 135 | 13 | 65.9 | 65.9 | 0 | 65.9 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 137.7 | 14 | 66.2 | 66.2 | 0 | 66.2 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 140.4 | 15 | 66.6 | 66.6 | 0 | 66.6 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 143.1 | 16 | 67 | 67 | 0 | 67 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 145.8 | 17 | 67.4 | 67.4 | 0 | 67.4 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 148.5 | 18 | 67.8 | 67.8 | 0 | 67.8 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 151.2 | 19 | 68.2 | 68.2 | 0 | 68.2 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 153.9 | 20 | 68.6 | 68.6 | 0 | 68.6 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 156.6 | 21 | 68.7 | 68.7 | 0 | 68.7 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 159.3 | 22 | 69 | 69 | 0 | 69 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 162 | 23 | 69.3 | 69.3 | 0 | 69.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 164.7 | 24 | 69.5 | 69.5 | 0 | 69.5 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 167.4 | 25 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 170.1 | 26 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 172.8 | 27 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 175.5 | 28 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-212 | 178.2 | 29 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-212 | 180.9 | 30 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-301 | 102.6 | 1 | 76.9 | 76.9 | 0 | 76.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 105.3 | 2 | 76.5 | 76.5 | 0 | 76.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 108 | 3 | 76 | 76 | 0 | 76 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 110.7 | 4 | 75.5 | 75.5 | 0 | 75.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 113.4 | 5 | 75.1 | 75.1 | 0 | 75.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 116.1 | 6 | 74.6 | 74.6 | 0 | 74.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 118.8 | 7 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 121.5 | 8 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 124.2 | 9 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 126.9 | 10 | 73.2 | 73.2 | 0 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 129.6 | 11 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 132.3 | 12 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 135 | 13 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 137.7 | 14 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 140.4 | 15 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 143.1 | 16 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 145.8 | 17 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 148.5 | 18 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 151.2 | 19 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 153.9 | 20 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 156.6 | 21 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 159.3 | 22 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 162 | 23 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 164.7 | 24 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 167.4 | 25 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 170.1 | 26 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 172.8 | 27 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 175.5 | 28 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 178.2 | 29 | 69.6 | 69.6 | 0 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-301 | 180.9 | 30 | 69.5 | 69.5 | 0 | 69.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 102.6 | 1 | 76.2 | 76.2 | 0 | 76.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 105.3 | 2 | 76.2 | 76.2 | 0 | 76.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 108 | 3 | 75.9 | 75.9 | 0 | 75.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 110.7 | 4 | 75.6 | 75.6 | 0 | 75.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 113.4 | 5 | 75.3 | 75.3 | 0 | 75.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 116.1 | 6 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 118.8 | 7 | 74.7 | 74.7 | 0 | 74.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 121.5 | 8 | 74.4 | 74.4 | 0 | 74.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 124.2 | 9 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 126.9 | 10 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 129.6 | 11 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 132.3 | 12 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 135 | 13 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 137.7 | 14 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 140.4 | 15 | 72.7 | 72.7 | 0 | 72.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 143.1 | 16 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 145.8 | 17 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 148.5 | 18 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 151.2 | 19 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 153.9 | 20 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 156.6 | 21 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 159.3 | 22 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 162 | 23 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 164.7 | 24 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 167.4 | 25 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 170.1 | 26 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 172.8 | 27 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 175.5 | 28 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 178.2 | 29 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-302 | 180.9 | 30 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 102.6 | 1 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 105.3 | 2 | 74.3 | 74.3 | 0 | 74.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 108 | 3 | 74.3 | 74.3 | 0 | 74.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 110.7 | 4 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 113.4 | 5 | 74 | 74 | 0 | 74 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 116.1 | 6 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 118.8 | 7 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 121.5 | 8 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 124.2 | 9 | 73.2 | 73.2 | 0 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 126.9 | 10 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 129.6 | 11 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 132.3 | 12 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 135 | 13 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 137.7 | 14 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 140.4 | 15 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 143.1 | 16 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 145.8 | 17 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 148.5 | 18 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 151.2 | 19 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 153.9 | 20 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 156.6 | 21 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 159.3 | 22 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 162 | 23 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 164.7 | 24 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 167.4 | 25 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 170.1 | 26 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 172.8 | 27 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 175.5 | 28 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 178.2 | 29 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-303 | 180.9 | 30 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 102.6 | 1 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 105.3 | 2 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 108 | 3 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 110.7 | 4 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 113.4 | 5 | 74 | 74 | 0 | 74 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 116.1 | 6 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 118.8 | 7 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 121.5 | 8 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 124.2 | 9 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 126.9 | 10 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 129.6 | 11 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 132.3 | 12 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 135 | 13 | 72.7 | 72.7 | 0 | 72.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 137.7 | 14 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 140.4 | 15 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 143.1 | 16 | 72.2 | 72.2 | 0 | 72.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 145.8 | 17 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 148.5 | 18 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 151.2 | 19 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 153.9 | 20 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 156.6 | 21 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 159.3 | 22 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-304 | 162 | 23 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 164.7 | 24 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 167.4 | 25 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 170.1 | 26 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 172.8 | 27 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 175.5 | 28 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 178.2 | 29 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-304 | 180.9 | 30 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 102.6 | 1 | 74.9 | 74.9 | 0 | 74.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 105.3 | 2 | 75.1 | 75.1 | 0 | 75.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 108 | 3 | 75.1 | 75.1 | 0 | 75.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 110.7 | 4 | 75 | 75 | 0 | 75 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 113.4 | 5 | 74.8 | 74.8 | 0 | 74.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 116.1 | 6 | 74.6 | 74.6 | 0 | 74.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 118.8 | 7 | 74.4 | 74.4 | 0 | 74.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 121.5 | 8 | 74.2 | 74.2 | 0 | 74.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 124.2 | 9 | 74 | 74 | 0 | 74 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 126.9 | 10 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 129.6 | 11 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 132.3 | 12 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 135 | 13 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 137.7 | 14 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 140.4 | 15 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 143.1 | 16 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 145.8 | 17 | 72.7 | 72.7 | 0 | 72.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 148.5 | 18 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 151.2 | 19 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 153.9 | 20 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 156.6 | 21 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 159.3 | 22 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 162 | 23 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 164.7 | 24 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 167.4 | 25 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 170.1 | 26 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 172.8 | 27 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 175.5 | 28 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 178.2 | 29 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-305 | 180.9 | 30 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 102.6 | 1 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 105.3 | 2 | 73 | 73 | 0 | 73 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 108 | 3 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 110.7 | 4 | 72.7 | 72.7 | 0 | 72.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 113.4 | 5 | 72.5 | 72.5 | 0 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 116.1 | 6 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 118.8 | 7 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 121.5 | 8 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 124.2 | 9 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 126.9 | 10 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 129.6 | 11 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 132.3 | 12 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 135 | 13 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 137.7 | 14 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 140.4 | 15 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 143.1 | 16 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 145.8 | 17 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 148.5 | 18 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 151.2 | 19 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 153.9 | 20 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 156.6 | 21 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 159.3 | 22 | 69.7 | 69.7 | 0 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 162 | 23 | 69.6 | 69.6 | 0 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 164.7 | 24 | 69.5 | 69.5 | 0 | 69.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 167.4 | 25 | 69.4 | 69.4 | 0 | 69.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 170.1 | 26 | 69.2 | 69.2 | 0 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 172.8 | 27 | 69.1 | 69.1 | 0 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 175.5 | 28 | 69 | 69 | 0 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 178.2 | 29 | 68.9 | 68.9 | 0 | 68.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-306 | 180.9 | 30 | 68.7 | 68.7 | 0 | 68.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 102.6 | 1 | 55.2 | 55.2 | 20.8 | 55.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 105.3 | 2 | 56.2 | 56.2 | 20.7 | 56.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 108 | 3 | 58.4 | 58.4 | 20.7 | 58.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 110.7 | 4 | 60.4 | 60.4 | 20.7 | 60.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 113.4 | 5 | 60.9 | 60.9 | 20.7 | 60.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 116.1 | 6 | 61.1 | 61.1 | 20.7 | 61.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 118.8 | 7 | 61.4 | 61.4 | 20.7 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 121.5 | 8 | 61.6 | 61.6 | 20.6 | 61.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 124.2 | 9 | 62 | 62 | 20.6 | 62 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 126.9 | 10 | 62.5 | 62.5 | 20.6 | 62.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 129.6 | 11 | 63 | 63 | 20.6 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 132.3 | 12 | 63.5 | 63.5 | 20.6 | 63.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 135 | 13 | 63.9 | 63.9 | 20.6 | 63.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 137.7 | 14 | 64.2 | 64.2 | 20.5 | 64.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 140.4 | 15 | 64.5 | 64.5 | 20.5 | 64.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 143.1 | 16 | 64.8 | 64.8 | 20.5 | 64.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 145.8 | 17 | 65.1 | 65.1 | 20.4 | 65.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 148.5 | 18 | 65.3 | 65.3 | 20.4 | 65.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 151.2 | 19 | 65.4 | 65.4 | 20.4 | 65.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 153.9 | 20 | 65.5 | 65.5 | 20.4 | 65.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 156.6 | 21 | 65.7 | 65.7 | 20.3 | 65.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 159.3 | 22 | 65.9 | 65.9 | 20.3 | 65.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 162 | 23 | 66 | 66 | 20.3 | 66 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 164.7 | 24 | 66.1 | 66.1 | 20.3 | 66.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 167.4 | 25 | 66.2 | 66.2 | 20.2 | 66.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 170.1 | 26 | 66.3 | 66.3 | 20.2 | 66.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 172.8 | 27 | 66.5 | 66.5 | 20.2 | 66.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 175.5 | 28 | 66.6 | 66.6 | 20.1 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 178.2 | 29 | 66.8 | 66.8 | 20.2 | 66.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-307 | 180.9 | 30 | 66.8 | 66.8 | 20.2 | 66.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 102.6 | 1 | 52.6 | 52.6 | 28.7 | 52.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 105.3 | 2 | 54.2 | 54.2 | 30.8 | 54.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 108 | 3 | 57.8 | 57.7 | 33.2 | 57.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 110.7 | 4 | 59.9 | 59.8 | 35.8 | 59.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 113.4 | 5 | 60.6 | 60.5 | 38.8 | 60.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 116.1 | 6 | 61.1 | 61.1 | 42.6 | 61.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 118.8 | 7 | 61.8 | 61.7 | 45.1 | 61.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 121.5 | 8 | 62.6 | 62.5 | 45.7 | 62.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 124.2 | 9 | 63.6 | 63.6 | 46 | 63.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 126.9 | 10 | 64.6 | 64.5 | 46 | 64.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 129.6 | 11 | 65.3 | 65.2 | 46 | 65.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 132.3 | 12 | 65.9 | 65.8 | 46 | 65.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 135 | 13 | 66.3 | 66.2 | 46 | 66.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 137.7 | 14 | 66.6 | 66.5 | 45.9 | 66.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 140.4 | 15 | 66.7 | 66.7 | 45.9 | 66.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-308 | 143.1 | 16 | 66.9 | 66.8 | 45.9 | 66.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 145.8 | 17 | 67 | 67 | 45.9 | 67 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 148.5 | 18 | 67.2 | 67.1 | 45.8 | 67.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 151.2 | 19 | 67.3 | 67.2 | 45.8 | 67.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 153.9 | 20 | 67.4 | 67.3 | 45.8 | 67.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 156.6 | 21 | 67.4 | 67.4 | 45.8 | 67.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 159.3 | 22 | 67.6 | 67.5 | 45.8 | 67.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 162 | 23 | 67.6 | 67.6 | 45.7 | 67.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 164.7 | 24 | 67.7 | 67.7 | 45.7 | 67.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 167.4 | 25 | 67.8 | 67.7 | 45.7 | 67.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 170.1 | 26 | 67.9 | 67.9 | 45.7 | 67.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 172.8 | 27 | 67.9 | 67.9 | 45.6 | 67.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 175.5 | 28 | 67.9 | 67.9 | 45.6 | 67.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 178.2 | 29 | 68 | 67.9 | 45.6 | 68 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-308 | 180.9 | 30 | 68.1 | 68 | 45.6 | 68.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 102.6 | 1 | 57.6 | 57.6 | 31.5 | 57.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 105.3 | 2 | 58.4 | 58.4 | 36.2 | 58.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 108 | 3 | 60.7 | 60.7 | 39.1 | 60.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 110.7 | 4 | 62.7 | 62.7 | 41.7 | 62.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 113.4 | 5 | 64 | 64 | 44.9 | 64 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 116.1 | 6 | 64.8 | 64.7 | 47.9 | 64.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 118.8 | 7 | 65.6 | 65.5 | 48.6 | 65.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 121.5 | 8 | 66.6 | 66.5 | 48.7 | 66.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 124.2 | 9 | 67.3 | 67.3 | 48.7 | 67.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 126.9 | 10 | 67.8 | 67.7 | 48.8 | 67.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 129.6 | 11 | 68 | 67.9 | 48.8 | 68 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 132.3 | 12 | 68.1 | 68 | 48.8 | 68.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 135 | 13 | 68.2 | 68.2 | 48.8 | 68.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 137.7 | 14 | 68.3 | 68.2 | 48.8 | 68.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 140.4 | 15 | 68.4 | 68.3 | 48.8 | 68.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 143.1 | 16 | 68.4 | 68.4 | 48.9 | 68.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 145.8 | 17 | 68.5 | 68.5 | 48.9 | 68.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 148.5 | 18 | 68.6 | 68.5 | 48.9 | 68.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 151.2 | 19 | 68.6 | 68.6 | 48.8 | 68.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 153.9 | 20 | 68.7 | 68.6 | 48.9 | 68.7 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 156.6 | 21 | 68.7 | 68.7 | 48.9 | 68.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 159.3 | 22 | 68.8 | 68.7 | 48.9 | 68.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 162 | 23 | 68.8 | 68.8 | 48.9 | 68.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 164.7 | 24 | 68.9 | 68.8 | 49 | 68.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 167.4 | 25 | 69 | 68.9 | 49 | 69 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 170.1 | 26 | 69 | 69 | 48.9 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 172.8 | 27 | 69.1 | 69 | 49 | 69.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 175.5 | 28 | 69.2 | 69.1 | 49 | 69.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 178.2 | 29 | 69.3 | 69.2 | 49 | 69.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-309 | 180.9 | 30 | 69.3 | 69.3 | 49 | 69.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 102.6 | 1 | 60.9 | 60.9 | 41.2 | 60.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 105.3 | 2 | 61.5 | 61.4 | 45 | 61.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 108 | 3 | 63 | 62.7 | 48.3 | 62.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 110.7 | 4 | 65.2 | 64.9 | 50.6 | 65 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 113.4 | 5 | 66.6 | 66.4 | 51.8 | 66.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 116.1 | 6 | 67.8 | 67.5 | 52.1 | 67.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 118.8 | 7 | 68.1 | 67.9 | 52.3 | 68 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 121.5 | 8 | 68.3 | 68.1 | 52.4 | 68.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 124.2 | 9 | 68.5 | 68.3 | 52.6 | 68.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 126.9 | 10 | 68.6 | 68.4 | 52.8 | 68.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 129.6 | 11 | 68.7 | 68.5 | 52.9 | 68.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 132.3 | 12 | 68.8 | 68.6 | 53 | 68.7 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 135 | 13 | 68.9 | 68.7 | 53.2 | 68.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 137.7 | 14 | 69 | 68.8 | 53.3 | 68.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 140.4 | 15 | 69.2 | 68.9 | 53.4 | 69.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 143.1 | 16 | 69.2 | 69 | 53.6 | 69.2 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 145.8 | 17 | 69.3 | 69.1 | 53.8 | 69.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 148.5 | 18 | 69.4 | 69.2 | 53.9 | 69.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 151.2 | 19 | 69.5 | 69.3 | 54 | 69.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 153.9 | 20 | 69.6 | 69.4 | 54.1 | 69.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 156.6 | 21 | 69.7 | 69.5 | 54.3 | 69.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 159.3 | 22 | 69.9 | 69.7 | 54.4 | 69.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 162 | 23 | 69.9 | 69.8 | 54.5 | 69.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 164.7 | 24 | 70.1 | 69.9 | 54.6 | 70 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 167.4 | 25 | 70.2 | 70 | 54.7 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 170.1 | 26 | 70.3 | 70.1 | 54.7 | 70.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 172.8 | 27 | 70.4 | 70.2 | 54.8 | 70.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 175.5 | 28 | 70.5 | 70.3 | 54.9 | 70.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 2 |
| NHTE-310 | 178.2 | 29 | 70.5 | 70.4 | 55 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-310 | 180.9 | 30 | 70.5 | 70.4 | 55.1 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHTE-311 | 102.6 | 1 | 65.5 | 65.2 | 51.2 | 65.4 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 105.3 | 2 | 65.9 | 65.6 | 51.4 | 65.8 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 108 | 3 | 66.8 | 66.5 | 52 | 66.7 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 110.7 | 4 | 67.3 | 67 | 52.5 | 67.2 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 113.4 | 5 | 67.6 | 67.3 | 52.7 | 67.5 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 116.1 | 6 | 67.8 | 67.5 | 52.8 | 67.7 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 118.8 | 7 | 68 | 67.7 | 53 | 67.9 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 121.5 | 8 | 68.1 | 67.9 | 53.2 | 68 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 124.2 | 9 | 68.2 | 68 | 53.4 | 68.2 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 126.9 | 10 | 68.4 | 68.1 | 53.6 | 68.3 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 129.6 | 11 | 68.5 | 68.3 | 53.7 | 68.5 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 132.3 | 12 | 68.7 | 68.4 | 53.9 | 68.6 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 135 | 13 | 68.8 | 68.6 | 54.1 | 68.7 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 137.7 | 14 | 68.9 | 68.7 | 54.3 | 68.8 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 140.4 | 15 | 69 | 68.8 | 54.5 | 69 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 143.1 | 16 | 69.2 | 69 | 54.7 | 69.2 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 145.8 | 17 | 69.4 | 69.2 | 54.8 | 69.3 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 148.5 | 18 | 69.5 | 69.3 | 54.9 | 69.5 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 151.2 | 19 | 69.6 | 69.4 | 55.1 | 69.6 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 153.9 | 20 | 69.8 | 69.6 | 55.2 | 69.7 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 156.6 | 21 | 69.9 | 69.8 | 55.4 | 69.9 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 159.3 | 22 | 70.1 | 69.9 | 55.6 | 70.1 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 162 | 23 | 70.3 | 70.1 | 55.7 | 70.2 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 164.7 | 24 | 70.3 | 70.1 | 55.9 | 70.3 | 70 | N | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 167.4 | 25 | 70.4 | 70.2 | 56 | 70.3 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 170.1 | 26 | 70.4 | 70.3 | 56.1 | 70.4 | 70 | N | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 172.8 | 27 | 70.6 | 70.4 | 56.3 | 70.6 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 175.5 | 28 | 70.7 | 70.5 | 56.4 | 70.7 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 178.2 | 29 | 70.8 | 70.7 | 56.5 | 70.8 | 70 | Y | 0.1 | N | N | N | 1 | 0 | 0 |
| NHTE-311 | 180.9 | 30 | 71 | 70.8 | 56.6 | 71 | 70 | Y | 0.2 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 102.6 | 1 | 62.3 | 62.3 | 0 | 62.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 105.3 | 2 | 63.2 | 63.2 | 0 | 63.2 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 108 | 3 | 64.3 | 64.3 | 0 | 64.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 110.7 | 4 | 65.2 | 65.2 | 0 | 65.2 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 113.4 | 5 | 65.9 | 65.9 | 0 | 65.9 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 116.1 | 6 | 66.6 | 66.6 | 0 | 66.6 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 118.8 | 7 | 67 | 67 | 0 | 67 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 121.5 | 8 | 67.3 | 67.3 | 0 | 67.3 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHTE-312 | 124.2 | 9 | 67.5 | 67.5 | 0 | 67.5 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 126.9 | 10 | 67.7 | 67.7 | 0 | 67.7 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 129.6 | 11 | 67.9 | 67.9 | 0 | 67.9 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 132.3 | 12 | 68.2 | 68.2 | 0 | 68.2 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 135 | 13 | 68.4 | 68.4 | 0 | 68.4 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 137.7 | 14 | 68.6 | 68.6 | 0 | 68.6 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 140.4 | 15 | 68.8 | 68.8 | 0 | 68.8 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 143.1 | 16 | 69 | 69 | 0 | 69 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 145.8 | 17 | 69.4 | 69.4 | 0 | 69.4 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 148.5 | 18 | 69.5 | 69.5 | 0 | 69.5 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 151.2 | 19 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 153.9 | 20 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 156.6 | 21 | 70.4 | 70.4 | 0 | 70.4 | 70 | N | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 159.3 | 22 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 162 | 23 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 164.7 | 24 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 167.4 | 25 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 170.1 | 26 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 172.8 | 27 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 175.5 | 28 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 178.2 | 29 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHTE-312 | 180.9 | 30 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 1 | 0 | 0 |
| NHWC-101 | 94.5 | 1 | 67.6 | 67.5 | 47.9 | 67.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 97.2 | 2 | 68.6 | 68.5 | 48.4 | 68.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 99.9 | 3 | 69.2 | 69.2 | 48.9 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 102.6 | 4 | 69.7 | 69.6 | 49.5 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 105.3 | 5 | 70 | 69.9 | 50.5 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 108 | 6 | 70.1 | 70 | 51 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 110.7 | 7 | 70.2 | 70.1 | 51.2 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 113.4 | 8 | 70.2 | 70.1 | 51.6 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 116.1 | 9 | 70.2 | 70.1 | 52.2 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 118.8 | 10 | 70.2 | 70.1 | 52.8 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 121.5 | 11 | 70.2 | 70 | 53.3 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 124.2 | 12 | 70.2 | 70 | 53.7 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 126.9 | 13 | 70.2 | 70 | 54.1 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 129.6 | 14 | 70.1 | 69.9 | 54.2 | 70 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 132.3 | 15 | 70.1 | 69.8 | 54.5 | 70 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 135 | 16 | 70 | 69.8 | 54.5 | 69.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 137.7 | 17 | 70 | 69.7 | 54.7 | 69.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 140.4 | 18 | 69.9 | 69.7 | 54.7 | 69.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 143.1 | 19 | 69.9 | 69.6 | 54.8 | 69.7 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 145.8 | 20 | 69.8 | 69.5 | 54.8 | 69.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 148.5 | 21 | 69.7 | 69.5 | 54.9 | 69.6 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 151.2 | 22 | 69.7 | 69.4 | 54.9 | 69.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 153.9 | 23 | 69.6 | 69.3 | 54.9 | 69.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 156.6 | 24 | 69.6 | 69.3 | 54.8 | 69.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 159.3 | 25 | 69.5 | 69.2 | 54.9 | 69.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 162 | 26 | 69.4 | 69.1 | 54.9 | 69.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 164.7 | 27 | 69.4 | 69.1 | 54.8 | 69.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 167.4 | 28 | 69.3 | 69 | 54.8 | 69.2 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 170.1 | 29 | 69.2 | 68.9 | 54.8 | 69.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 172.8 | 30 | 69.2 | 68.9 | 54.7 | 69 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 175.5 | 31 | 69.1 | 68.8 | 54.7 | 69 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 178.2 | 32 | 69.1 | 68.7 | 54.6 | 68.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 180.9 | 33 | 69 | 68.7 | 54.5 | 68.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 183.6 | 34 | 68.9 | 68.6 | 54.5 | 68.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 186.3 | 35 | 68.9 | 68.5 | 54.5 | 68.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 189 | 36 | 68.8 | 68.5 | 54.5 | 68.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-101 | 191.7 | 37 | 68.7 | 68.4 | 54.4 | 68.6 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 94.5 | 1 | 58.1 | 57.6 | 34.2 | 57.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 97.2 | 2 | 59.5 | 59.1 | 34.5 | 59.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 99.9 | 3 | 61.9 | 61.6 | 34.7 | 61.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 102.6 | 4 | 62.8 | 62.6 | 35 | 62.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 105.3 | 5 | 63.1 | 62.8 | 35.2 | 62.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 108 | 6 | 63.2 | 62.9 | 35.4 | 63 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 110.7 | 7 | 63.4 | 63.1 | 35.7 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 113.4 | 8 | 63.5 | 63.1 | 36 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 116.1 | 9 | 63.6 | 63.2 | 36.2 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 118.8 | 10 | 63.7 | 63.2 | 36.5 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 121.5 | 11 | 63.7 | 63.2 | 36.7 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 124.2 | 12 | 63.7 | 63.2 | 37 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 126.9 | 13 | 63.7 | 63.2 | 37.2 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 129.6 | 14 | 63.7 | 63.1 | 37.5 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 132.3 | 15 | 63.7 | 63.1 | 37.7 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 135 | 16 | 63.7 | 63.1 | 38 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 137.7 | 17 | 63.6 | 63 | 38.2 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 140.4 | 18 | 63.6 | 63 | 38.4 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 143.1 | 19 | 63.6 | 62.9 | 38.6 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 145.8 | 20 | 63.6 | 62.9 | 38.9 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 148.5 | 21 | 63.5 | 62.8 | 39.1 | 62.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 151.2 | 22 | 63.5 | 62.8 | 39.3 | 62.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 153.9 | 23 | 63.4 | 62.7 | 39.6 | 62.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 156.6 | 24 | 63.4 | 62.7 | 39.8 | 62.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 159.3 | 25 | 63.3 | 62.6 | 40 | 62.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 162 | 26 | 63.3 | 62.6 | 40.2 | 62.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 164.7 | 27 | 63.3 | 62.5 | 40.4 | 62.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 167.4 | 28 | 63.3 | 62.5 | 40.6 | 62.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 170.1 | 29 | 63.2 | 62.4 | 40.9 | 62.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 172.8 | 30 | 63.2 | 62.4 | 41.1 | 62.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 175.5 | 31 | 63.1 | 62.3 | 41.2 | 62.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 178.2 | 32 | 63.1 | 62.3 | 41.5 | 62.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-102 | 180.9 | 33 | 63 | 62.2 | 41.7 | 62.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 94.5 | 1 | 71.9 | 71.2 | 63.6 | 71.9 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 97.2 | 2 | 73.4 | 72.8 | 64.3 | 73.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 99.9 | 3 | 74.6 | 74.1 | 64.4 | 74.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 102.6 | 4 | 75.4 | 75 | 64.5 | 75.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 105.3 | 5 | 75.8 | 75.4 | 64.6 | 75.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 108 | 6 | 76.1 | 75.7 | 64.6 | 76 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 110.7 | 7 | 76.2 | 75.8 | 64.7 | 76.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 113.4 | 8 | 76.3 | 75.9 | 64.8 | 76.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 116.1 | 9 | 76.4 | 76 | 64.9 | 76.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 118.8 | 10 | 76.4 | 76.1 | 64.9 | 76.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 121.5 | 11 | 76.5 | 76.1 | 65 | 76.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 124.2 | 12 | 76.4 | 76.1 | 65 | 76.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 126.9 | 13 | 76.4 | 76 | 65.1 | 76.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 129.6 | 14 | 76.3 | 75.9 | 65.1 | 76.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 132.3 | 15 | 76.3 | 75.9 | 65.1 | 76.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 135 | 16 | 76.2 | 75.8 | 65.1 | 76.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 137.7 | 17 | 76.2 | 75.7 | 65.1 | 76.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 140.4 | 18 | 76.1 | 75.7 | 65.1 | 76 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 143.1 | 19 | 76 | 75.6 | 65.1 | 76 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 145.8 | 20 | 76 | 75.5 | 65.1 | 75.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 148.5 | 21 | 75.9 | 75.5 | 65.1 | 75.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-103 | 151.2 | 22 | 75.8 | 75.4 | 65 | 75.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 153.9 | 23 | 75.7 | 75.3 | 65 | 75.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 156.6 | 24 | 75.7 | 75.2 | 65 | 75.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 159.3 | 25 | 75.6 | 75.2 | 65 | 75.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 162 | 26 | 75.5 | 75.1 | 64.9 | 75.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 164.7 | 27 | 75.5 | 75 | 64.9 | 75.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 167.4 | 28 | 75.5 | 75 | 64.8 | 75.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 170.1 | 29 | 75.4 | 74.9 | 64.8 | 75.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 172.8 | 30 | 75.3 | 74.9 | 64.8 | 75.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 175.5 | 31 | 75.3 | 74.8 | 64.7 | 75.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 178.2 | 32 | 75.2 | 74.7 | 64.7 | 75.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-103 | 180.9 | 33 | 75.2 | 74.7 | 64.6 | 75.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 94.5 | 1 | 74 | 73.3 | 64.8 | 73.9 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 97.2 | 2 | 76 | 75.6 | 65.2 | 75.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 99.9 | 3 | 77.4 | 77 | 65.3 | 77.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 102.6 | 4 | 77.9 | 77.6 | 65.3 | 77.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 105.3 | 5 | 78.3 | 78 | 65.4 | 78.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 108 | 6 | 78.4 | 78.2 | 65.4 | 78.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 110.7 | 7 | 78.6 | 78.4 | 65.4 | 78.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 113.4 | 8 | 78.7 | 78.5 | 65.5 | 78.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 116.1 | 9 | 78.8 | 78.5 | 65.6 | 78.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 118.8 | 10 | 78.8 | 78.6 | 65.7 | 78.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 121.5 | 11 | 78.8 | 78.6 | 65.8 | 78.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 124.2 | 12 | 78.8 | 78.6 | 65.8 | 78.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 126.9 | 13 | 78.8 | 78.6 | 65.9 | 78.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 129.6 | 14 | 78.7 | 78.5 | 66 | 78.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 132.3 | 15 | 78.7 | 78.4 | 66 | 78.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 135 | 16 | 78.6 | 78.3 | 66.1 | 78.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 137.7 | 17 | 78.5 | 78.3 | 66.1 | 78.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 140.4 | 18 | 78.4 | 78.2 | 66.1 | 78.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 143.1 | 19 | 78.4 | 78.1 | 66.1 | 78.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 145.8 | 20 | 78.3 | 78 | 66.1 | 78.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 148.5 | 21 | 78.2 | 77.9 | 66.2 | 78.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 151.2 | 22 | 78.2 | 77.9 | 66.2 | 78.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 153.9 | 23 | 78.1 | 77.8 | 66.2 | 78.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 156.6 | 24 | 78 | 77.7 | 66.2 | 78 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 159.3 | 25 | 77.9 | 77.6 | 66.2 | 77.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 162 | 26 | 77.9 | 77.6 | 66.2 | 77.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 164.7 | 27 | 77.8 | 77.5 | 66.2 | 77.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 167.4 | 28 | 77.7 | 77.4 | 66.2 | 77.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 170.1 | 29 | 77.6 | 77.3 | 66.2 | 77.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 172.8 | 30 | 77.6 | 77.3 | 66.2 | 77.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 175.5 | 31 | 77.5 | 77.2 | 66.2 | 77.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 178.2 | 32 | 77.4 | 77.1 | 66.1 | 77.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-104 | 180.9 | 33 | 77.3 | 77 | 66.1 | 77.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 94.5 | 1 | 76.9 | 76.6 | 65 | 76.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 97.2 | 2 | 77.7 | 77.5 | 65.1 | 77.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 99.9 | 3 | 77.9 | 77.6 | 65.2 | 77.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 102.6 | 4 | 78 | 77.7 | 65.3 | 77.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 105.3 | 5 | 77.9 | 77.6 | 65.4 | 77.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 108 | 6 | 78 | 77.7 | 65.5 | 78 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 110.7 | 7 | 78 | 77.7 | 65.5 | 78 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 113.4 | 8 | 77.9 | 77.7 | 65.5 | 77.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 116.1 | 9 | 77.9 | 77.6 | 65.6 | 77.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 118.8 | 10 | 77.8 | 77.5 | 65.7 | 77.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 121.5 | 11 | 77.7 | 77.4 | 65.7 | 77.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 124.2 | 12 | 77.6 | 77.3 | 65.8 | 77.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 126.9 | 13 | 77.6 | 77.2 | 65.8 | 77.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 129.6 | 14 | 77.5 | 77.1 | 65.9 | 77.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 132.3 | 15 | 77.4 | 77 | 65.9 | 77.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 135 | 16 | 77.3 | 76.9 | 65.9 | 77.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 137.7 | 17 | 77.2 | 76.9 | 66 | 77.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 140.4 | 18 | 77.2 | 76.8 | 66 | 77.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 143.1 | 19 | 77 | 76.7 | 66 | 77 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 145.8 | 20 | 77 | 76.6 | 66 | 76.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 148.5 | 21 | 76.9 | 76.5 | 66 | 76.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 151.2 | 22 | 76.8 | 76.4 | 66 | 76.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 153.9 | 23 | 76.7 | 76.3 | 66 | 76.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 156.6 | 24 | 76.7 | 76.2 | 66 | 76.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 159.3 | 25 | 76.6 | 76.2 | 66 | 76.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 162 | 26 | 76.5 | 76.1 | 66 | 76.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 164.7 | 27 | 76.4 | 76 | 66 | 76.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 167.4 | 28 | 76.4 | 75.9 | 66 | 76.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 170.1 | 29 | 76.3 | 75.8 | 66 | 76.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 172.8 | 30 | 76.2 | 75.8 | 66 | 76.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 175.5 | 31 | 76.1 | 75.7 | 66 | 76.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 178.2 | 32 | 76 | 75.6 | 66 | 76 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 180.9 | 33 | 76 | 75.5 | 66 | 76 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 183.6 | 34 | 75.9 | 75.4 | 65.9 | 75.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 186.3 | 35 | 75.8 | 75.3 | 65.9 | 75.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 189 | 36 | 75.7 | 75.3 | 65.9 | 75.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-105 | 191.7 | 37 | 75.7 | 75.2 | 65.9 | 75.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 94.5 | 1 | 80.8 | 80.7 | 65 | 80.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 97.2 | 2 | 80.7 | 80.6 | 65.1 | 80.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 99.9 | 3 | 80.7 | 80.5 | 65.2 | 80.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 102.6 | 4 | 80.7 | 80.5 | 65.3 | 80.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 105.3 | 5 | 80.7 | 80.6 | 65.4 | 80.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 108 | 6 | 80.8 | 80.6 | 65.5 | 80.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 110.7 | 7 | 80.8 | 80.6 | 65.6 | 80.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 113.4 | 8 | 80.8 | 80.6 | 65.7 | 80.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 116.1 | 9 | 80.7 | 80.5 | 65.8 | 80.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 118.8 | 10 | 80.6 | 80.5 | 65.8 | 80.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 121.5 | 11 | 80.5 | 80.3 | 65.9 | 80.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 124.2 | 12 | 80.4 | 80.2 | 66 | 80.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 126.9 | 13 | 80.3 | 80.1 | 66.1 | 80.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 129.6 | 14 | 80.2 | 80 | 66.1 | 80.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 132.3 | 15 | 80.1 | 79.9 | 66.2 | 80.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 135 | 16 | 80 | 79.8 | 66.3 | 80 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 137.7 | 17 | 79.8 | 79.6 | 66.3 | 79.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 140.4 | 18 | 79.8 | 79.6 | 66.4 | 79.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 143.1 | 19 | 79.6 | 79.4 | 66.4 | 79.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 145.8 | 20 | 79.5 | 79.3 | 66.4 | 79.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 148.5 | 21 | 79.5 | 79.2 | 66.4 | 79.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 151.2 | 22 | 79.3 | 79.1 | 66.5 | 79.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 153.9 | 23 | 79.2 | 79 | 66.5 | 79.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 156.6 | 24 | 79.1 | 78.9 | 66.5 | 79.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 159.3 | 25 | 79.1 | 78.8 | 66.5 | 79.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 162 | 26 | 79 | 78.7 | 66.6 | 79 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 164.7 | 27 | 78.8 | 78.6 | 66.6 | 78.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 167.4 | 28 | 78.8 | 78.5 | 66.6 | 78.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 170.1 | 29 | 78.7 | 78.4 | 66.6 | 78.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 172.8 | 30 | 78.6 | 78.3 | 66.6 | 78.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 175.5 | 31 | 78.5 | 78.2 | 66.5 | 78.5 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-106 | 178.2 | 32 | 78.4 | 78.1 | 66.5 | 78.4 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 180.9 | 33 | 78.3 | 78 | 66.5 | 78.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 183.6 | 34 | 78.2 | 77.9 | 66.5 | 78.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 186.3 | 35 | 78.1 | 77.9 | 66.5 | 78.2 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 189 | 36 | 78 | 77.8 | 66.5 | 78.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-106 | 191.7 | 37 | 78 | 77.7 | 66.5 | 78 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 94.5 | 1 | 70.4 | 70.1 | 55.3 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 97.2 | 2 | 73.8 | 73.6 | 55.6 | 73.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 99.9 | 3 | 75.5 | 75.4 | 55.9 | 75.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 102.6 | 4 | 76.2 | 76.1 | 56.2 | 76.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 105.3 | 5 | 76.7 | 76.6 | 56.6 | 76.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 108 | 6 | 77 | 76.9 | 56.8 | 76.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 110.7 | 7 | 77.1 | 77 | 57.1 | 77.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 113.4 | 8 | 77.3 | 77.2 | 57.4 | 77.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 116.1 | 9 | 77.5 | 77.4 | 57.6 | 77.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 118.8 | 10 | 77.5 | 77.5 | 57.9 | 77.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 121.5 | 11 | 77.6 | 77.5 | 58.2 | 77.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 124.2 | 12 | 77.5 | 77.4 | 58.4 | 77.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 126.9 | 13 | 77.5 | 77.4 | 58.7 | 77.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 129.6 | 14 | 77.4 | 77.3 | 58.9 | 77.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 132.3 | 15 | 77.3 | 77.2 | 59.1 | 77.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 135 | 16 | 77.2 | 77.1 | 59.3 | 77.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 137.7 | 17 | 77.1 | 77.1 | 59.5 | 77.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 140.4 | 18 | 77 | 76.9 | 59.7 | 77 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 143.1 | 19 | 76.9 | 76.8 | 59.9 | 76.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 145.8 | 20 | 76.8 | 76.8 | 60.1 | 76.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 148.5 | 21 | 76.7 | 76.7 | 60.2 | 76.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 151.2 | 22 | 76.6 | 76.5 | 60.3 | 76.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 153.9 | 23 | 76.5 | 76.4 | 60.4 | 76.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 156.6 | 24 | 76.4 | 76.3 | 60.6 | 76.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 159.3 | 25 | 76.3 | 76.2 | 60.7 | 76.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 162 | 26 | 76.2 | 76.1 | 60.9 | 76.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 164.7 | 27 | 76.1 | 76 | 61 | 76.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 167.4 | 28 | 76 | 75.9 | 61.1 | 76.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 170.1 | 29 | 75.9 | 75.8 | 61.2 | 76 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 172.8 | 30 | 75.8 | 75.7 | 61.3 | 75.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 175.5 | 31 | 75.8 | 75.7 | 61.4 | 75.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 178.2 | 32 | 75.7 | 75.5 | 61.5 | 75.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 180.9 | 33 | 75.6 | 75.5 | 61.5 | 75.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 183.6 | 34 | 75.5 | 75.4 | 61.6 | 75.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 186.3 | 35 | 75.4 | 75.3 | 61.7 | 75.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 189 | 36 | 75.3 | 75.2 | 61.7 | 75.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-107 | 191.7 | 37 | 75.2 | 75.1 | 61.7 | 75.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 94.5 | 1 | 68.3 | 67.5 | 58.2 | 67.9 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 97.2 | 2 | 70.2 | 69.7 | 58.6 | 70 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 99.9 | 3 | 72.4 | 72.1 | 58.8 | 72.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 102.6 | 4 | 74.1 | 73.9 | 59 | 74 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 105.3 | 5 | 75.1 | 74.9 | 59.2 | 75 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 108 | 6 | 75.6 | 75.5 | 59.4 | 75.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 110.7 | 7 | 76.1 | 75.9 | 59.6 | 76 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 113.4 | 8 | 76.4 | 76.3 | 59.8 | 76.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 116.1 | 9 | 76.7 | 76.6 | 60 | 76.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 118.8 | 10 | 77 | 76.9 | 60.1 | 77 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 121.5 | 11 | 77.2 | 77.1 | 60.3 | 77.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 124.2 | 12 | 77.3 | 77.2 | 60.5 | 77.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 126.9 | 13 | 77.4 | 77.3 | 60.6 | 77.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 129.6 | 14 | 77.4 | 77.3 | 60.8 | 77.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 132.3 | 15 | 77.4 | 77.3 | 60.9 | 77.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 135 | 16 | 77.4 | 77.3 | 61.1 | 77.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 137.7 | 17 | 77.3 | 77.2 | 61.2 | 77.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 140.4 | 18 | 77.2 | 77.1 | 61.3 | 77.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 143.1 | 19 | 77.2 | 77 | 61.4 | 77.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 145.8 | 20 | 77.1 | 77 | 61.6 | 77.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 148.5 | 21 | 77 | 76.9 | 61.7 | 77 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 151.2 | 22 | 76.9 | 76.8 | 61.8 | 76.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 153.9 | 23 | 76.9 | 76.7 | 61.9 | 76.9 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 156.6 | 24 | 76.8 | 76.6 | 61.9 | 76.8 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 159.3 | 25 | 76.7 | 76.5 | 62 | 76.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 162 | 26 | 76.6 | 76.5 | 62.1 | 76.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 164.7 | 27 | 76.5 | 76.4 | 62.2 | 76.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 167.4 | 28 | 76.4 | 76.3 | 62.3 | 76.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 170.1 | 29 | 76.3 | 76.2 | 62.4 | 76.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 172.8 | 30 | 76.3 | 76.1 | 62.5 | 76.3 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 175.5 | 31 | 76.2 | 76 | 62.6 | 76.2 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 178.2 | 32 | 76.1 | 75.9 | 62.6 | 76.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-108 | 180.9 | 33 | 76 | 75.8 | 62.6 | 76 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 94.5 | 1 | 66.4 | 65.7 | 53.7 | 66 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 97.2 | 2 | 67.8 | 67.3 | 54 | 67.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 99.9 | 3 | 69.8 | 69.5 | 54.3 | 69.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 102.6 | 4 | 71.7 | 71.5 | 54.6 | 71.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 105.3 | 5 | 72.9 | 72.8 | 54.9 | 72.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 108 | 6 | 73.6 | 73.5 | 55.3 | 73.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 110.7 | 7 | 74.1 | 74 | 55.6 | 74 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 113.4 | 8 | 74.5 | 74.4 | 55.8 | 74.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 116.1 | 9 | 74.9 | 74.8 | 56.1 | 74.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 118.8 | 10 | 75.2 | 75.1 | 56.4 | 75.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 121.5 | 11 | 75.4 | 75.3 | 56.7 | 75.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 124.2 | 12 | 75.8 | 75.7 | 57 | 75.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 126.9 | 13 | 76 | 75.9 | 57.3 | 76 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 129.6 | 14 | 76.2 | 76.1 | 57.5 | 76.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 132.3 | 15 | 76.2 | 76.2 | 57.8 | 76.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 135 | 16 | 76.3 | 76.2 | 58 | 76.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 137.7 | 17 | 76.3 | 76.2 | 58.2 | 76.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 140.4 | 18 | 76.3 | 76.2 | 58.4 | 76.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 143.1 | 19 | 76.3 | 76.2 | 58.7 | 76.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 145.8 | 20 | 76.3 | 76.2 | 58.8 | 76.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 148.5 | 21 | 76.2 | 76.1 | 58.9 | 76.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 151.2 | 22 | 76.2 | 76.1 | 59.1 | 76.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 153.9 | 23 | 76.1 | 76 | 59.3 | 76.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 156.6 | 24 | 76 | 76 | 59.4 | 76.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 159.3 | 25 | 76 | 75.9 | 59.5 | 76 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 162 | 26 | 75.9 | 75.8 | 59.7 | 75.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 164.7 | 27 | 75.8 | 75.7 | 59.8 | 75.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 167.4 | 28 | 75.8 | 75.7 | 60 | 75.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 170.1 | 29 | 75.7 | 75.6 | 60.1 | 75.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 172.8 | 30 | 75.7 | 75.6 | 60.3 | 75.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 175.5 | 31 | 75.6 | 75.5 | 60.4 | 75.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 178.2 | 32 | 75.5 | 75.4 | 60.5 | 75.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-109 | 180.9 | 33 | 75.4 | 75.3 | 60.6 | 75.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 94.5 | 1 | 60 | 60 | 0 | 60 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 97.2 | 2 | 60.4 | 60.4 | 0 | 60.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 99.9 | 3 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 102.6 | 4 | 62.5 | 62.5 | 0 | 62.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-110 | 105.3 | 5 | 63 | 63 | 0 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 108 | 6 | 63.2 | 63.2 | 0 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 110.7 | 7 | 63.2 | 63.2 | 0 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 113.4 | 8 | 63.2 | 63.2 | 0 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 116.1 | 9 | 63.2 | 63.2 | 0 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 118.8 | 10 | 63.2 | 63.2 | 0 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 121.5 | 11 | 63.2 | 63.2 | 0 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 124.2 | 12 | 63.1 | 63.1 | 0 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 126.9 | 13 | 63.1 | 63.1 | 0 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 129.6 | 14 | 63.1 | 63.1 | 0 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 132.3 | 15 | 63 | 63 | 0 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 135 | 16 | 63 | 63 | 0 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 137.7 | 17 | 62.9 | 62.9 | 0 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 140.4 | 18 | 62.9 | 62.9 | 0 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 143.1 | 19 | 62.9 | 62.9 | 0 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 145.8 | 20 | 62.9 | 62.9 | 0 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 148.5 | 21 | 62.8 | 62.8 | 0 | 62.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 151.2 | 22 | 62.8 | 62.8 | 0 | 62.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 153.9 | 23 | 62.7 | 62.7 | 0 | 62.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 156.6 | 24 | 62.7 | 62.7 | 0 | 62.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 159.3 | 25 | 62.6 | 62.6 | 0 | 62.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 162 | 26 | 62.6 | 62.6 | 0 | 62.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 164.7 | 27 | 62.6 | 62.6 | 0 | 62.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 167.4 | 28 | 62.5 | 62.5 | 0 | 62.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 170.1 | 29 | 62.5 | 62.5 | 0 | 62.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 172.8 | 30 | 62.4 | 62.4 | 0 | 62.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 175.5 | 31 | 62.4 | 62.4 | 0 | 62.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 178.2 | 32 | 62.3 | 62.3 | 0 | 62.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-110 | 180.9 | 33 | 62.3 | 62.3 | 0 | 62.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 94.5 | 1 | 60.9 | 60.9 | 0 | 60.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 97.2 | 2 | 61 | 61 | 0 | 61 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 99.9 | 3 | 61 | 61 | 0 | 61 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 102.6 | 4 | 61.1 | 61.1 | 0 | 61.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 105.3 | 5 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 108 | 6 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 110.7 | 7 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 113.4 | 8 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 116.1 | 9 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 118.8 | 10 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 121.5 | 11 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 124.2 | 12 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 126.9 | 13 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 129.6 | 14 | 61.4 | 61.4 | 0 | 61.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 132.3 | 15 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 135 | 16 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 137.7 | 17 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 140.4 | 18 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 143.1 | 19 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 145.8 | 20 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 148.5 | 21 | 61.2 | 61.2 | 0 | 61.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 151.2 | 22 | 61.3 | 61.3 | 0 | 61.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 153.9 | 23 | 61.2 | 61.2 | 0 | 61.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 156.6 | 24 | 61.2 | 61.2 | 0 | 61.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 159.3 | 25 | 61.2 | 61.2 | 0 | 61.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 162 | 26 | 61.1 | 61.1 | 0 | 61.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 164.7 | 27 | 61.1 | 61.1 | 0 | 61.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 167.4 | 28 | 61.1 | 61.1 | 0 | 61.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 170.1 | 29 | 61 | 61 | 0 | 61 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 172.8 | 30 | 61 | 61 | 0 | 61 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 175.5 | 31 | 61 | 61 | 0 | 61 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 178.2 | 32 | 60.9 | 60.9 | 0 | 60.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 180.9 | 33 | 60.9 | 60.9 | 0 | 60.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 183.6 | 34 | 60.8 | 60.8 | 0 | 60.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 186.3 | 35 | 60.8 | 60.8 | 0 | 60.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 189 | 36 | 60.8 | 60.8 | 0 | 60.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-111 | 191.7 | 37 | 60.7 | 60.7 | 0 | 60.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 94.5 | 1 | 64.4 | 64.4 | 27.6 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 97.2 | 2 | 64.4 | 64.4 | 27.6 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 99.9 | 3 | 64.4 | 64.4 | 27.6 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 102.6 | 4 | 64.4 | 64.4 | 27.7 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 105.3 | 5 | 64.4 | 64.4 | 27.7 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 108 | 6 | 64.4 | 64.4 | 27.7 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 110.7 | 7 | 64.4 | 64.4 | 27.6 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 113.4 | 8 | 64.4 | 64.4 | 27.7 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 116.1 | 9 | 64.4 | 64.3 | 27.7 | 64.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 118.8 | 10 | 64.3 | 64.3 | 27.7 | 64.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 121.5 | 11 | 64.3 | 64.3 | 27.7 | 64.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 124.2 | 12 | 64.3 | 64.3 | 27.7 | 64.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 126.9 | 13 | 64.3 | 64.2 | 27.7 | 64.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 129.6 | 14 | 64.2 | 64.2 | 27.7 | 64.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 132.3 | 15 | 64.2 | 64.2 | 27.7 | 64.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 135 | 16 | 64.1 | 64.1 | 27.7 | 64.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 137.7 | 17 | 64.1 | 64.1 | 27.7 | 64.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 140.4 | 18 | 64 | 64 | 27.7 | 64 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 143.1 | 19 | 64 | 64 | 27.7 | 64 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 145.8 | 20 | 63.9 | 63.9 | 27.7 | 63.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 148.5 | 21 | 63.9 | 63.9 | 27.7 | 63.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 151.2 | 22 | 63.8 | 63.8 | 27.7 | 63.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 153.9 | 23 | 63.7 | 63.7 | 27.8 | 63.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 156.6 | 24 | 63.7 | 63.7 | 27.7 | 63.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 159.3 | 25 | 63.6 | 63.6 | 27.7 | 63.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 162 | 26 | 63.5 | 63.5 | 27.8 | 63.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 164.7 | 27 | 63.5 | 63.5 | 27.8 | 63.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 167.4 | 28 | 63.4 | 63.4 | 27.8 | 63.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 170.1 | 29 | 63.4 | 63.3 | 27.8 | 63.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 172.8 | 30 | 63.3 | 63.3 | 27.8 | 63.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 175.5 | 31 | 63.2 | 63.2 | 27.8 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 178.2 | 32 | 63.2 | 63.2 | 27.9 | 63.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 180.9 | 33 | 63.1 | 63.1 | 27.9 | 63.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 183.6 | 34 | 63.1 | 63 | 27.9 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 186.3 | 35 | 63 | 63 | 28 | 63 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 189 | 36 | 62.9 | 62.9 | 28.2 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-112 | 191.7 | 37 | 62.9 | 62.9 | 28.6 | 62.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 94.5 | 1 | 73.6 | 73.3 | 54.7 | 73.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 97.2 | 2 | 73.6 | 73.2 | 54.6 | 73.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 99.9 | 3 | 73.6 | 73.2 | 54.5 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 102.6 | 4 | 73.6 | 73.1 | 54.5 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 105.3 | 5 | 73.6 | 72.9 | 54.4 | 73 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 108 | 6 | 73.6 | 72.8 | 54.2 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 110.7 | 7 | 73.6 | 72.6 | 54.2 | 72.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 113.4 | 8 | 73.5 | 72.5 | 54.2 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 2 | 0 |
| NHWC-201 | 116.1 | 9 | 73.4 | 72.3 | 54 | 72.4 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-201 | 118.8 | 10 | 73.3 | 72.2 | 54 | 72.3 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-201 | 121.5 | 11 | 73.1 | 72.1 | 53.9 | 72.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 124.2 | 12 | 73 | 72.1 | 53.9 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 126.9 | 13 | 72.8 | 72 | 54 | 72.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 129.6 | 14 | 72.7 | 72 | 53.9 | 72.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 132.3 | 15 | 72.5 | 72 | 54 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 135 | 16 | 72.4 | 71.9 | 54 | 72 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 137.7 | 17 | 72.2 | 71.8 | 54.1 | 71.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 140.4 | 18 | 72.1 | 71.7 | 54.3 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 143.1 | 19 | 71.9 | 71.6 | 54.4 | 71.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 145.8 | 20 | 71.8 | 71.5 | 54.5 | 71.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 148.5 | 21 | 71.6 | 71.3 | 54.8 | 71.4 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 151.2 | 22 | 71.5 | 71.2 | 55.2 | 71.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 153.9 | 23 | 71.3 | 71.1 | 55.4 | 71.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 156.6 | 24 | 71.2 | 70.9 | 55.4 | 71.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 159.3 | 25 | 71.1 | 70.8 | 55.5 | 70.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 162 | 26 | 71 | 70.7 | 55.6 | 70.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 164.7 | 27 | 70.8 | 70.6 | 55.8 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 167.4 | 28 | 70.7 | 70.5 | 56 | 70.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 170.1 | 29 | 70.6 | 70.3 | 56.2 | 70.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 172.8 | 30 | 70.5 | 70.2 | 56.3 | 70.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 2 |
| NHWC-201 | 175.5 | 31 | 70.4 | 70.1 | 56.4 | 70.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 178.2 | 32 | 70.2 | 70 | 56.4 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-201 | 180.9 | 33 | 70.1 | 69.9 | 56.5 | 70 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 94.5 | 1 | 71.7 | 71.1 | 54.1 | 71.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 97.2 | 2 | 71.8 | 71 | 54.1 | 71.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 99.9 | 3 | 71.9 | 70.9 | 54.1 | 71 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 102.6 | 4 | 72.1 | 70.7 | 53.9 | 70.8 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-202 | 105.3 | 5 | 72.2 | 70.6 | 54 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-202 | 108 | 6 | 72.2 | 70.4 | 54 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-202 | 110.7 | 7 | 72.2 | 70.2 | 53.9 | 70.3 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 113.4 | 8 | 72.2 | 70.1 | 53.8 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 116.1 | 9 | 72.1 | 70 | 53.9 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 118.8 | 10 | 72 | 69.9 | 53.9 | 70 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 121.5 | 11 | 72 | 70 | 54 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 124.2 | 12 | 71.8 | 69.9 | 54 | 70.1 | 70 | N | 0.2 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 126.9 | 13 | 71.7 | 70.1 | 54.1 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 129.6 | 14 | 71.5 | 70.2 | 54.3 | 70.3 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 132.3 | 15 | 71.3 | 70.2 | 54.4 | 70.3 | 70 | N | 0.1 | N | N | N | 2 | 2 | 2 |
| NHWC-202 | 135 | 16 | 71.2 | 70.2 | 54.6 | 70.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 2 |
| NHWC-202 | 137.7 | 17 | 71 | 70.2 | 54.9 | 70.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 2 |
| NHWC-202 | 140.4 | 18 | 70.9 | 70.1 | 55.1 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 2 |
| NHWC-202 | 143.1 | 19 | 70.7 | 70 | 55.4 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 2 |
| NHWC-202 | 145.8 | 20 | 70.6 | 69.9 | 55.7 | 70.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 2 |
| NHWC-202 | 148.5 | 21 | 70.4 | 69.8 | 56.2 | 70 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 151.2 | 22 | 70.3 | 69.7 | 56.5 | 69.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 153.9 | 23 | 70.1 | 69.5 | 56.5 | 69.8 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 156.6 | 24 | 70 | 69.4 | 56.6 | 69.6 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 159.3 | 25 | 69.9 | 69.3 | 56.9 | 69.6 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 162 | 26 | 69.7 | 69.1 | 57.2 | 69.4 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 164.7 | 27 | 69.6 | 69 | 57.4 | 69.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 167.4 | 28 | 69.5 | 68.9 | 57.5 | 69.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 170.1 | 29 | 69.3 | 68.8 | 57.7 | 69.1 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 172.8 | 30 | 69.2 | 68.7 | 57.9 | 69 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 175.5 | 31 | 69.1 | 68.6 | 57.9 | 68.9 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 178.2 | 32 | 69 | 68.4 | 58 | 68.8 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-202 | 180.9 | 33 | 68.9 | 68.3 | 58 | 68.7 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 94.5 | 1 | 73.1 | 72.4 | 53.1 | 72.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 97.2 | 2 | 73.3 | 72.3 | 53.2 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 99.9 | 3 | 73.5 | 72.1 | 53.5 | 72.2 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 102.6 | 4 | 73.6 | 71.9 | 53.6 | 72 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 105.3 | 5 | 73.7 | 71.7 | 53.7 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 108 | 6 | 73.7 | 71.6 | 53.8 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 110.7 | 7 | 73.6 | 71.4 | 53.9 | 71.5 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 113.4 | 8 | 73.6 | 71.3 | 54.1 | 71.4 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 116.1 | 9 | 73.4 | 71.3 | 54.3 | 71.4 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 118.8 | 10 | 73.2 | 71.4 | 54.5 | 71.5 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 121.5 | 11 | 73.1 | 71.6 | 54.8 | 71.7 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 124.2 | 12 | 72.9 | 71.7 | 55.2 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 2 | 0 |
| NHWC-203 | 126.9 | 13 | 72.7 | 71.8 | 55.6 | 71.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 129.6 | 14 | 72.5 | 71.8 | 56 | 71.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 132.3 | 15 | 72.4 | 71.7 | 56.4 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 135 | 16 | 72.2 | 71.5 | 56.9 | 71.7 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 137.7 | 17 | 72 | 71.4 | 57.7 | 71.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 140.4 | 18 | 71.9 | 71.3 | 57.7 | 71.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 143.1 | 19 | 71.7 | 71.2 | 58 | 71.4 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 145.8 | 20 | 71.5 | 71 | 58.4 | 71.3 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 148.5 | 21 | 71.4 | 70.9 | 58.7 | 71.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 151.2 | 22 | 71.2 | 70.7 | 59 | 71 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 153.9 | 23 | 71.1 | 70.6 | 59.2 | 70.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 156.6 | 24 | 71 | 70.5 | 59.4 | 70.8 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 159.3 | 25 | 70.8 | 70.3 | 59.5 | 70.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 162 | 26 | 70.7 | 70.2 | 59.5 | 70.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 164.7 | 27 | 70.6 | 70.1 | 59.5 | 70.4 | 70 | N | 0.3 | N | N | N | 2 | 0 | 2 |
| NHWC-203 | 167.4 | 28 | 70.4 | 70 | 59.4 | 70.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 170.1 | 29 | 70.3 | 69.8 | 59.4 | 70.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 172.8 | 30 | 70.2 | 69.7 | 59.4 | 70.1 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 175.5 | 31 | 70.1 | 69.6 | 59.4 | 70 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 178.2 | 32 | 69.9 | 69.5 | 59.4 | 69.9 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 180.9 | 33 | 69.8 | 69.4 | 59.3 | 69.8 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 183.6 | 34 | 69.7 | 69.2 | 59.3 | 69.6 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 186.3 | 35 | 69.6 | 69.1 | 59.1 | 69.5 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 189 | 36 | 69.5 | 69 | 59 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-203 | 191.7 | 37 | 69.4 | 68.9 | 59 | 69.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 94.5 | 1 | 75.6 | 74 | 59.9 | 74.2 | 70 | Y | 0.2 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 97.2 | 2 | 76.4 | 74.2 | 61.9 | 74.5 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 99.9 | 3 | 76.7 | 74.4 | 63.1 | 74.7 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 102.6 | 4 | 76.8 | 74.7 | 63.8 | 75 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 105.3 | 5 | 76.9 | 74.8 | 64.1 | 75.1 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 108 | 6 | 76.9 | 74.8 | 64.5 | 75.2 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 110.7 | 7 | 76.9 | 74.8 | 64.6 | 75.2 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 113.4 | 8 | 76.9 | 74.9 | 64.8 | 75.3 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 116.1 | 9 | 76.8 | 75 | 65 | 75.4 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 118.8 | 10 | 76.7 | 75.2 | 65 | 75.6 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NHWC-204 | 121.5 | 11 | 76.6 | 75.3 | 65.1 | 75.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 124.2 | 12 | 76.5 | 75.4 | 65.2 | 75.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 126.9 | 13 | 76.5 | 75.4 | 65.4 | 75.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 129.6 | 14 | 76.3 | 75.4 | 65.6 | 75.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 132.3 | 15 | 76.2 | 75.3 | 65.6 | 75.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 135 | 16 | 76.1 | 75.3 | 65.8 | 75.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 137.7 | 17 | 76 | 75.2 | 65.9 | 75.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 140.4 | 18 | 75.9 | 75.1 | 66.1 | 75.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 143.1 | 19 | 75.8 | 75 | 66.2 | 75.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 145.8 | 20 | 75.7 | 75 | 66.2 | 75.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-204 | 148.5 | 21 | 75.6 | 74.9 | 66.2 | 75.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 151.2 | 22 | 75.5 | 74.8 | 66.2 | 75.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 153.9 | 23 | 75.4 | 74.7 | 66.2 | 75.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 156.6 | 24 | 75.3 | 74.6 | 66.2 | 75.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 159.3 | 25 | 75.2 | 74.5 | 66.2 | 75.1 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 162 | 26 | 75.1 | 74.4 | 66.1 | 75 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 164.7 | 27 | 75 | 74.4 | 66.1 | 75 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 167.4 | 28 | 75 | 74.3 | 66 | 74.9 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 170.1 | 29 | 74.8 | 74.2 | 65.9 | 74.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 172.8 | 30 | 74.8 | 74.1 | 65.8 | 74.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 175.5 | 31 | 74.7 | 74 | 65.8 | 74.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 178.2 | 32 | 74.6 | 73.9 | 65.7 | 74.6 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 180.9 | 33 | 74.5 | 73.9 | 65.6 | 74.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 183.6 | 34 | 74.4 | 73.8 | 65.6 | 74.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 186.3 | 35 | 74.4 | 73.7 | 65.5 | 74.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 189 | 36 | 74.3 | 73.6 | 65.4 | 74.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-204 | 191.7 | 37 | 74.2 | 73.6 | 65.3 | 74.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 94.5 | 1 | 72.3 | 70.6 | 59.6 | 70.9 | 70 | Y | 0.3 | N | N | N | 2 | 2 | 0 |
| NHWC-205 | 97.2 | 2 | 73.7 | 71.9 | 61.8 | 72.3 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NHWC-205 | 99.9 | 3 | 74.3 | 72.7 | 63.2 | 73.1 | 70 | Y | 0.4 | N | N | N | 2 | 2 | 0 |
| NHWC-205 | 102.6 | 4 | 74.5 | 73.2 | 63.9 | 73.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 105.3 | 5 | 74.7 | 73.6 | 64.4 | 74.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 108 | 6 | 74.8 | 73.7 | 64.8 | 74.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 110.7 | 7 | 74.8 | 73.8 | 65 | 74.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 113.4 | 8 | 74.9 | 73.8 | 65.1 | 74.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 116.1 | 9 | 74.9 | 73.9 | 65.2 | 74.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 118.8 | 10 | 75 | 73.9 | 65.2 | 74.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 121.5 | 11 | 75 | 73.9 | 65.1 | 74.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 124.2 | 12 | 75 | 73.9 | 65.1 | 74.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 126.9 | 13 | 75 | 74 | 65.1 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 129.6 | 14 | 75 | 74 | 65 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 132.3 | 15 | 75 | 74 | 65 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 135 | 16 | 74.9 | 74 | 64.9 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 137.7 | 17 | 74.9 | 74 | 64.9 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 140.4 | 18 | 74.8 | 74 | 64.9 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 143.1 | 19 | 74.8 | 74 | 64.9 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 145.8 | 20 | 74.7 | 74 | 64.8 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 148.5 | 21 | 74.7 | 74 | 64.8 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 151.2 | 22 | 74.6 | 73.9 | 64.8 | 74.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 153.9 | 23 | 74.5 | 73.9 | 64.8 | 74.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 156.6 | 24 | 74.5 | 73.8 | 64.8 | 74.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 159.3 | 25 | 74.4 | 73.8 | 64.8 | 74.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 162 | 26 | 74.3 | 73.7 | 64.7 | 74.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 164.7 | 27 | 74.3 | 73.6 | 64.7 | 74.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 167.4 | 28 | 74.2 | 73.6 | 64.7 | 74.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 170.1 | 29 | 74.1 | 73.5 | 64.7 | 74 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 172.8 | 30 | 74.1 | 73.4 | 64.7 | 74 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 175.5 | 31 | 74 | 73.4 | 64.7 | 73.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 178.2 | 32 | 73.9 | 73.3 | 64.6 | 73.9 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 180.9 | 33 | 73.9 | 73.3 | 64.6 | 73.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 183.6 | 34 | 73.8 | 73.2 | 64.5 | 73.8 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 186.3 | 35 | 73.7 | 73.1 | 64.5 | 73.7 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 189 | 36 | 73.7 | 73.1 | 64.4 | 73.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-205 | 191.7 | 37 | 73.6 | 73 | 64.4 | 73.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 94.5 | 1 | 72.8 | 71.8 | 59.7 | 72 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 97.2 | 2 | 74.1 | 73 | 61.9 | 73.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 99.9 | 3 | 74.7 | 73.7 | 63.1 | 74.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 102.6 | 4 | 75.1 | 74.2 | 64.2 | 74.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 105.3 | 5 | 75.4 | 74.5 | 64.9 | 74.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 108 | 6 | 75.5 | 74.5 | 65.3 | 75 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 110.7 | 7 | 75.6 | 74.6 | 65.5 | 75.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 113.4 | 8 | 75.6 | 74.6 | 65.5 | 75.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 116.1 | 9 | 75.7 | 74.6 | 65.5 | 75.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 118.8 | 10 | 75.7 | 74.6 | 65.4 | 75.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 121.5 | 11 | 75.7 | 74.6 | 65.4 | 75.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 124.2 | 12 | 75.7 | 74.6 | 65.3 | 75.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 126.9 | 13 | 75.7 | 74.6 | 65.3 | 75.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 129.6 | 14 | 75.6 | 74.6 | 65.2 | 75 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 132.3 | 15 | 75.6 | 74.5 | 65.1 | 75 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 135 | 16 | 75.5 | 74.5 | 65 | 75 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 137.7 | 17 | 75.5 | 74.5 | 65 | 74.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 140.4 | 18 | 75.4 | 74.5 | 64.9 | 74.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 143.1 | 19 | 75.4 | 74.4 | 64.9 | 74.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 145.8 | 20 | 75.3 | 74.4 | 64.8 | 74.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 148.5 | 21 | 75.2 | 74.4 | 64.8 | 74.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 151.2 | 22 | 75.1 | 74.4 | 64.7 | 74.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 153.9 | 23 | 75 | 74.3 | 64.7 | 74.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 156.6 | 24 | 75 | 74.3 | 64.7 | 74.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 159.3 | 25 | 74.9 | 74.2 | 64.7 | 74.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 162 | 26 | 74.8 | 74.1 | 64.7 | 74.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 164.7 | 27 | 74.7 | 74.1 | 64.6 | 74.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 167.4 | 28 | 74.7 | 74 | 64.6 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 170.1 | 29 | 74.6 | 73.9 | 64.5 | 74.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 172.8 | 30 | 74.5 | 73.9 | 64.6 | 74.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 175.5 | 31 | 74.4 | 73.8 | 64.6 | 74.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 178.2 | 32 | 74.3 | 73.7 | 64.6 | 74.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-206 | 180.9 | 33 | 74.3 | 73.6 | 64.6 | 74.2 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 94.5 | 1 | 73 | 72.3 | 62.7 | 72.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 97.2 | 2 | 74.2 | 73.5 | 64.2 | 74 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 99.9 | 3 | 74.9 | 74.2 | 65.3 | 74.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 102.6 | 4 | 75.4 | 74.7 | 66.1 | 75.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 105.3 | 5 | 75.8 | 75 | 66.4 | 75.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 108 | 6 | 76.1 | 75.4 | 66.6 | 75.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 110.7 | 7 | 76.4 | 75.7 | 66.7 | 76.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 113.4 | 8 | 76.6 | 76 | 66.8 | 76.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 116.1 | 9 | 76.9 | 76.2 | 66.8 | 76.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 118.8 | 10 | 77 | 76.4 | 66.7 | 76.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 121.5 | 11 | 77.1 | 76.5 | 66.7 | 76.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 124.2 | 12 | 77.1 | 76.6 | 66.7 | 77 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 126.9 | 13 | 77.2 | 76.6 | 66.6 | 77 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 129.6 | 14 | 77.2 | 76.6 | 66.6 | 77 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 132.3 | 15 | 77.2 | 76.7 | 66.5 | 77.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 135 | 16 | 77.2 | 76.7 | 66.5 | 77.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 137.7 | 17 | 77.2 | 76.7 | 66.5 | 77.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 140.4 | 18 | 77.2 | 76.7 | 66.4 | 77.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 143.1 | 19 | 77.2 | 76.7 | 66.4 | 77.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 145.8 | 20 | 77.2 | 76.8 | 66.3 | 77.1 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 148.5 | 21 | 77.2 | 76.7 | 66.3 | 77.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 151.2 | 22 | 77.2 | 76.7 | 66.3 | 77.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 153.9 | 23 | 77.1 | 76.7 | 66.2 | 77 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 156.6 | 24 | 77.1 | 76.6 | 66.2 | 77 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 159.3 | 25 | 77 | 76.6 | 66.2 | 77 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 162 | 26 | 77 | 76.6 | 66.1 | 76.9 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-207 | 164.7 | 27 | 76.9 | 76.5 | 66.1 | 76.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 167.4 | 28 | 76.9 | 76.4 | 66.1 | 76.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 170.1 | 29 | 76.8 | 76.4 | 66.1 | 76.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 172.8 | 30 | 76.8 | 76.3 | 66.1 | 76.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 175.5 | 31 | 76.7 | 76.3 | 66 | 76.7 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 178.2 | 32 | 76.6 | 76.2 | 66 | 76.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-207 | 180.9 | 33 | 76.6 | 76.1 | 65.9 | 76.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 94.5 | 1 | 67.6 | 66 | 60.9 | 67.2 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHWC-208 | 97.2 | 2 | 69.3 | 68 | 62.5 | 69.1 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHWC-208 | 99.9 | 3 | 70.5 | 69.3 | 63.5 | 70.3 | 70 | N | 1 | Y | N | N | 2 | 0 | 2 |
| NHWC-208 | 102.6 | 4 | 71.3 | 70.3 | 64.1 | 71.2 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 105.3 | 5 | 71.9 | 70.9 | 64.6 | 71.8 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 108 | 6 | 72.4 | 71.4 | 64.9 | 72.3 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 110.7 | 7 | 72.7 | 71.9 | 65 | 72.7 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 113.4 | 8 | 73.1 | 72.3 | 65.1 | 73.1 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 116.1 | 9 | 73.5 | 72.8 | 65.2 | 73.5 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 118.8 | 10 | 73.8 | 73.1 | 65.3 | 73.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 121.5 | 11 | 74.1 | 73.4 | 65.3 | 74 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 124.2 | 12 | 74.3 | 73.7 | 65.3 | 74.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 126.9 | 13 | 74.4 | 73.8 | 65.3 | 74.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 129.6 | 14 | 74.5 | 73.9 | 65.3 | 74.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 132.3 | 15 | 74.6 | 74 | 65.3 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 135 | 16 | 74.6 | 74.1 | 65.3 | 74.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 137.7 | 17 | 74.6 | 74.1 | 65.3 | 74.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 140.4 | 18 | 74.7 | 74.2 | 65.3 | 74.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 143.1 | 19 | 74.7 | 74.2 | 65.3 | 74.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 145.8 | 20 | 74.8 | 74.3 | 65.3 | 74.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 148.5 | 21 | 74.8 | 74.3 | 65.2 | 74.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 151.2 | 22 | 74.8 | 74.3 | 65.2 | 74.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 153.9 | 23 | 74.8 | 74.3 | 65.2 | 74.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 156.6 | 24 | 74.8 | 74.3 | 65.2 | 74.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 159.3 | 25 | 74.8 | 74.3 | 65.2 | 74.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 162 | 26 | 74.7 | 74.2 | 65.1 | 74.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 164.7 | 27 | 74.7 | 74.2 | 65.1 | 74.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 167.4 | 28 | 74.6 | 74.2 | 65.1 | 74.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 170.1 | 29 | 74.6 | 74.1 | 65.1 | 74.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 172.8 | 30 | 74.6 | 74.1 | 65 | 74.6 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 175.5 | 31 | 74.5 | 74 | 65 | 74.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 178.2 | 32 | 74.4 | 74 | 65 | 74.5 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 180.9 | 33 | 74.4 | 73.9 | 65 | 74.5 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 183.6 | 34 | 74.4 | 73.9 | 65 | 74.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 186.3 | 35 | 74.3 | 73.8 | 64.9 | 74.4 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 189 | 36 | 74.3 | 73.8 | 64.9 | 74.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-208 | 191.7 | 37 | 74.2 | 73.8 | 64.8 | 74.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 94.5 | 1 | 64.4 | 63.7 | 56.5 | 64.5 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 97.2 | 2 | 65.4 | 64 | 59.3 | 65.3 | 70 | N | 1.3 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 99.9 | 3 | 66.1 | 64.3 | 60.8 | 65.9 | 70 | N | 1.6 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 102.6 | 4 | 66.3 | 64.5 | 61 | 66.1 | 70 | N | 1.6 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 105.3 | 5 | 66.5 | 64.7 | 61.1 | 66.3 | 70 | N | 1.6 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 108 | 6 | 66.7 | 65 | 61.2 | 66.5 | 70 | N | 1.5 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 110.7 | 7 | 66.9 | 65.4 | 61.3 | 66.8 | 70 | N | 1.4 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 113.4 | 8 | 67.3 | 65.9 | 61.4 | 67.2 | 70 | N | 1.3 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 116.1 | 9 | 67.9 | 66.7 | 61.5 | 67.9 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 118.8 | 10 | 68.5 | 67.4 | 61.6 | 68.5 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHWC-209 | 121.5 | 11 | 69.1 | 68.1 | 61.7 | 69 | 70 | N | 0.9 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 124.2 | 12 | 69.4 | 68.6 | 61.8 | 69.4 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 126.9 | 13 | 69.7 | 69 | 61.9 | 69.7 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 129.6 | 14 | 70 | 69.2 | 62 | 69.9 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 132.3 | 15 | 70.1 | 69.3 | 62 | 70.1 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 135 | 16 | 70.2 | 69.5 | 62.1 | 70.3 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 137.7 | 17 | 70.3 | 69.6 | 62.2 | 70.3 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 140.4 | 18 | 70.4 | 69.7 | 62.2 | 70.4 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 143.1 | 19 | 70.6 | 69.9 | 62.3 | 70.6 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 145.8 | 20 | 70.7 | 70 | 62.4 | 70.7 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 148.5 | 21 | 70.7 | 70.1 | 62.4 | 70.8 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 151.2 | 22 | 70.8 | 70.2 | 62.4 | 70.9 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 153.9 | 23 | 70.9 | 70.3 | 62.5 | 70.9 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 156.6 | 24 | 70.9 | 70.3 | 62.5 | 71 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 159.3 | 25 | 71 | 70.4 | 62.6 | 71 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 162 | 26 | 71 | 70.4 | 62.6 | 71 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 164.7 | 27 | 71 | 70.4 | 62.7 | 71.1 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 167.4 | 28 | 71 | 70.4 | 62.7 | 71.1 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 170.1 | 29 | 71 | 70.4 | 62.8 | 71.1 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 172.8 | 30 | 70.9 | 70.3 | 62.8 | 71 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 175.5 | 31 | 70.9 | 70.3 | 62.8 | 71 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 178.2 | 32 | 70.9 | 70.3 | 62.9 | 71 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 180.9 | 33 | 70.8 | 70.2 | 62.9 | 71 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 183.6 | 34 | 70.8 | 70.2 | 62.9 | 71 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 186.3 | 35 | 70.8 | 70.2 | 62.9 | 70.9 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 189 | 36 | 70.7 | 70.1 | 62.9 | 70.9 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-209 | 191.7 | 37 | 70.7 | 70.1 | 62.9 | 70.9 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 94.5 | 1 | 66.4 | 66.4 | 0 | 66.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 97.2 | 2 | 66.3 | 66.3 | 0 | 66.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 99.9 | 3 | 66.3 | 66.3 | 0 | 66.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 102.6 | 4 | 66.3 | 66.3 | 0 | 66.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 105.3 | 5 | 66.3 | 66.3 | 0 | 66.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 108 | 6 | 66.2 | 66.2 | 0 | 66.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 110.7 | 7 | 66.2 | 66.2 | 0 | 66.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 113.4 | 8 | 66.1 | 66.1 | 0 | 66.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 116.1 | 9 | 66.1 | 66.1 | 0 | 66.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 118.8 | 10 | 66 | 66 | 0 | 66 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 121.5 | 11 | 65.9 | 65.9 | 0 | 65.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 124.2 | 12 | 65.9 | 65.9 | 0 | 65.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 126.9 | 13 | 65.8 | 65.8 | 0 | 65.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 129.6 | 14 | 65.7 | 65.7 | 0 | 65.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 132.3 | 15 | 65.6 | 65.6 | 0 | 65.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 135 | 16 | 65.5 | 65.5 | 0 | 65.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 137.7 | 17 | 65.4 | 65.4 | 0 | 65.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 140.4 | 18 | 65.4 | 65.4 | 0 | 65.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 143.1 | 19 | 65.3 | 65.3 | 0 | 65.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 145.8 | 20 | 65.2 | 65.2 | 0 | 65.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 148.5 | 21 | 65.1 | 65.1 | 0 | 65.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 151.2 | 22 | 65 | 65 | 0 | 65 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 153.9 | 23 | 64.9 | 64.9 | 0 | 64.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 156.6 | 24 | 64.8 | 64.8 | 0 | 64.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 159.3 | 25 | 64.7 | 64.7 | 0 | 64.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 162 | 26 | 64.6 | 64.6 | 0 | 64.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 164.7 | 27 | 64.6 | 64.6 | 0 | 64.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 167.4 | 28 | 64.5 | 64.5 | 0 | 64.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 170.1 | 29 | 64.4 | 64.4 | 0 | 64.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 172.8 | 30 | 64.3 | 64.3 | 0 | 64.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 175.5 | 31 | 64.2 | 64.2 | 0 | 64.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 178.2 | 32 | 64.1 | 64.1 | 0 | 64.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-210 | 180.9 | 33 | 64 | 64 | 0 | 64 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 183.6 | 34 | 64 | 64 | 0 | 64 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 186.3 | 35 | 63.9 | 63.9 | 0 | 63.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 189 | 36 | 63.8 | 63.8 | 0 | 63.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-210 | 191.7 | 37 | 63.7 | 63.7 | 0 | 63.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 94.5 | 1 | 67.8 | 67.8 | 34.2 | 67.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 97.2 | 2 | 67.8 | 67.8 | 34.2 | 67.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 99.9 | 3 | 67.8 | 67.8 | 34.2 | 67.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 102.6 | 4 | 67.7 | 67.7 | 34.2 | 67.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 105.3 | 5 | 67.7 | 67.7 | 34.2 | 67.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 108 | 6 | 67.6 | 67.6 | 34.2 | 67.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 110.7 | 7 | 67.6 | 67.6 | 34.2 | 67.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 113.4 | 8 | 67.5 | 67.5 | 34.2 | 67.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 116.1 | 9 | 67.5 | 67.4 | 34.2 | 67.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 118.8 | 10 | 67.4 | 67.4 | 34.1 | 67.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 121.5 | 11 | 67.3 | 67.3 | 34.1 | 67.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 124.2 | 12 | 67.3 | 67.3 | 34.1 | 67.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 126.9 | 13 | 67.2 | 67.2 | 34.1 | 67.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 129.6 | 14 | 67.1 | 67.1 | 34.1 | 67.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 132.3 | 15 | 67.1 | 67.1 | 34 | 67.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 135 | 16 | 67 | 67 | 34 | 67 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 137.7 | 17 | 66.9 | 66.9 | 34 | 66.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 140.4 | 18 | 66.8 | 66.8 | 34 | 66.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 143.1 | 19 | 66.8 | 66.8 | 34 | 66.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 145.8 | 20 | 66.7 | 66.7 | 34 | 66.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 148.5 | 21 | 66.7 | 66.7 | 33.9 | 66.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 151.2 | 22 | 66.6 | 66.6 | 33.9 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 153.9 | 23 | 66.6 | 66.6 | 33.9 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 156.6 | 24 | 66.6 | 66.6 | 33.9 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 159.3 | 25 | 66.5 | 66.5 | 33.9 | 66.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 162 | 26 | 66.5 | 66.5 | 33.8 | 66.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 164.7 | 27 | 66.5 | 66.5 | 33.8 | 66.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 167.4 | 28 | 66.5 | 66.5 | 33.8 | 66.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 170.1 | 29 | 66.5 | 66.5 | 33.8 | 66.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 172.8 | 30 | 66.5 | 66.5 | 33.7 | 66.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 175.5 | 31 | 66.6 | 66.6 | 34 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 178.2 | 32 | 66.6 | 66.6 | 35.3 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-211 | 180.9 | 33 | 66.6 | 66.6 | 37.1 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 94.5 | 1 | 66.2 | 63.9 | 60.9 | 65.6 | 70 | N | 1.7 | Y | N | N | 2 | 0 | 0 |
| NHWC-212 | 97.2 | 2 | 67.3 | 65 | 62.5 | 66.9 | 70 | N | 1.9 | Y | N | N | 2 | 0 | 0 |
| NHWC-212 | 99.9 | 3 | 68.2 | 66.1 | 63.2 | 67.9 | 70 | N | 1.8 | Y | N | N | 2 | 0 | 0 |
| NHWC-212 | 102.6 | 4 | 69 | 67.2 | 63.4 | 68.7 | 70 | N | 1.5 | Y | N | N | 2 | 0 | 0 |
| NHWC-212 | 105.3 | 5 | 69.6 | 68.2 | 63.5 | 69.5 | 70 | N | 1.3 | Y | N | N | 2 | 0 | 0 |
| NHWC-212 | 108 | 6 | 70.2 | 69 | 63.6 | 70.1 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHWC-212 | 110.7 | 7 | 71 | 70 | 63.7 | 70.9 | 70 | Y | 0.9 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 113.4 | 8 | 71.7 | 70.8 | 63.8 | 71.6 | 70 | Y | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 116.1 | 9 | 72.2 | 71.5 | 63.9 | 72.2 | 70 | Y | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 118.8 | 10 | 72.7 | 72 | 63.9 | 72.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 121.5 | 11 | 73.1 | 72.5 | 64 | 73 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 124.2 | 12 | 73.3 | 72.7 | 64 | 73.3 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 126.9 | 13 | 73.4 | 72.9 | 64 | 73.4 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 129.6 | 14 | 73.6 | 73 | 64 | 73.6 | 70 | Y | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 132.3 | 15 | 73.7 | 73.2 | 64.1 | 73.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 135 | 16 | 73.8 | 73.3 | 64.1 | 73.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 137.7 | 17 | 73.9 | 73.4 | 64.1 | 73.9 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 140.4 | 18 | 74 | 73.5 | 64.1 | 74 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 143.1 | 19 | 74.1 | 73.6 | 64.1 | 74.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 145.8 | 20 | 74.1 | 73.7 | 64.1 | 74.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 148.5 | 21 | 74.2 | 73.7 | 64.1 | 74.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 151.2 | 22 | 74.2 | 73.8 | 64.1 | 74.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 153.9 | 23 | 74.2 | 73.8 | 64.1 | 74.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 156.6 | 24 | 74.2 | 73.8 | 64.1 | 74.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 159.3 | 25 | 74.2 | 73.8 | 64.1 | 74.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 162 | 26 | 74.2 | 73.7 | 64.2 | 74.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 164.7 | 27 | 74.2 | 73.7 | 64.2 | 74.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 167.4 | 28 | 74.1 | 73.7 | 64.2 | 74.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 170.1 | 29 | 74.1 | 73.7 | 64.1 | 74.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 172.8 | 30 | 74 | 73.6 | 64.1 | 74.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 175.5 | 31 | 74 | 73.6 | 64.1 | 74 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 178.2 | 32 | 73.9 | 73.5 | 64.1 | 74 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-212 | 180.9 | 33 | 73.9 | 73.5 | 64.1 | 73.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 100.6 | 1 | 77.6 | 77.6 | 0 | 77.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 103.3 | 2 | 77.4 | 77.4 | 0 | 77.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 106 | 3 | 77.2 | 77.2 | 0 | 77.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 108.7 | 4 | 76.9 | 76.9 | 0 | 76.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 111.4 | 5 | 76.6 | 76.6 | 0 | 76.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 114.1 | 6 | 76.3 | 76.3 | 0 | 76.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 116.8 | 7 | 76 | 76 | 0 | 76 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 119.5 | 8 | 75.7 | 75.7 | 0 | 75.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 122.2 | 9 | 75.4 | 75.4 | 0 | 75.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 124.9 | 10 | 75.2 | 75.2 | 0 | 75.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 127.6 | 11 | 74.9 | 74.9 | 0 | 74.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 130.3 | 12 | 74.7 | 74.7 | 0 | 74.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 133 | 13 | 74.5 | 74.5 | 0 | 74.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 135.7 | 14 | 74.3 | 74.3 | 0 | 74.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 138.4 | 15 | 74 | 74 | 0 | 74 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 141.1 | 16 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 143.8 | 17 | 73.6 | 73.6 | 0 | 73.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 146.5 | 18 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 149.2 | 19 | 73.2 | 73.2 | 0 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 151.9 | 20 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 154.6 | 21 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 157.3 | 22 | 72.7 | 72.7 | 0 | 72.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 160 | 23 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 162.7 | 24 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 165.4 | 25 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 168.1 | 26 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 170.8 | 27 | 72 | 72 | 0 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 173.5 | 28 | 71.8 | 71.8 | 0 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 176.2 | 29 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 178.9 | 30 | 71.6 | 71.6 | 0 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 181.6 | 31 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 184.3 | 32 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 187 | 33 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 189.7 | 34 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 192.4 | 35 | 71 | 71 | 0 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 195.1 | 36 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-301 | 197.8 | 37 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 100.6 | 1 | 73.4 | 73.3 | 49 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 103.3 | 2 | 73.4 | 73.3 | 48.9 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 106 | 3 | 73.3 | 73.2 | 49 | 73.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 108.7 | 4 | 73.1 | 73 | 49 | 73.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 111.4 | 5 | 73 | 72.9 | 48.9 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-302 | 114.1 | 6 | 72.9 | 72.8 | 48.8 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 116.8 | 7 | 72.7 | 72.6 | 48.7 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 119.5 | 8 | 72.6 | 72.4 | 48.7 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 122.2 | 9 | 72.4 | 72.2 | 48.6 | 72.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 124.9 | 10 | 72.3 | 72.1 | 48.6 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 127.6 | 11 | 72.1 | 71.9 | 48.5 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 130.3 | 12 | 72 | 71.7 | 48.5 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 133 | 13 | 71.8 | 71.6 | 48.5 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 135.7 | 14 | 71.7 | 71.4 | 48.4 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 138.4 | 15 | 71.6 | 71.3 | 48.3 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 141.1 | 16 | 71.4 | 71.2 | 48.3 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 143.8 | 17 | 71.3 | 71 | 48.3 | 71.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 146.5 | 18 | 71.1 | 70.9 | 48.3 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 149.2 | 19 | 71 | 70.8 | 48.1 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 151.9 | 20 | 70.9 | 70.6 | 48.2 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 154.6 | 21 | 70.7 | 70.5 | 48.1 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 157.3 | 22 | 70.6 | 70.4 | 48.2 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 2 |
| NHWC-302 | 160 | 23 | 70.5 | 70.3 | 48.2 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 2 |
| NHWC-302 | 162.7 | 24 | 70.4 | 70.2 | 48.2 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 165.4 | 25 | 70.3 | 70 | 48.2 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 168.1 | 26 | 70.1 | 69.9 | 48.2 | 70 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 170.8 | 27 | 70 | 69.8 | 48.3 | 69.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 173.5 | 28 | 69.9 | 69.7 | 48.3 | 69.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 176.2 | 29 | 69.8 | 69.6 | 48.4 | 69.7 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 178.9 | 30 | 69.7 | 69.6 | 48.4 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 181.6 | 31 | 69.6 | 69.4 | 48.5 | 69.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 184.3 | 32 | 69.5 | 69.3 | 48.5 | 69.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 187 | 33 | 69.4 | 69.2 | 48.7 | 69.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 189.7 | 34 | 69.3 | 69.2 | 48.9 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 192.4 | 35 | 69.2 | 69.1 | 49 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 195.1 | 36 | 69.2 | 69 | 49 | 69.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-302 | 197.8 | 37 | 69.1 | 68.9 | 49 | 69 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 100.6 | 1 | 72.7 | 72.6 | 49.4 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 103.3 | 2 | 72.6 | 72.5 | 49.4 | 72.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 106 | 3 | 72.6 | 72.5 | 49.3 | 72.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 108.7 | 4 | 72.5 | 72.4 | 49.2 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 111.4 | 5 | 72.4 | 72.3 | 49.3 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 114.1 | 6 | 72.3 | 72.1 | 49.3 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 116.8 | 7 | 72.2 | 72 | 49.2 | 72 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 119.5 | 8 | 72 | 71.9 | 49.1 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 122.2 | 9 | 71.9 | 71.7 | 49 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 124.9 | 10 | 71.8 | 71.6 | 48.9 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 127.6 | 11 | 71.7 | 71.5 | 48.9 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 130.3 | 12 | 71.5 | 71.3 | 48.7 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 133 | 13 | 71.4 | 71.2 | 48.6 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 135.7 | 14 | 71.3 | 71 | 48.6 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 138.4 | 15 | 71.1 | 70.9 | 48.5 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 141.1 | 16 | 71 | 70.7 | 48.5 | 70.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 143.8 | 17 | 70.9 | 70.6 | 48.3 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 146.5 | 18 | 70.7 | 70.5 | 48.4 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 149.2 | 19 | 70.6 | 70.4 | 48.3 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 2 |
| NHWC-303 | 151.9 | 20 | 70.4 | 70.3 | 48.3 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 154.6 | 21 | 70.3 | 70.1 | 48.2 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 157.3 | 22 | 70.2 | 70 | 48.2 | 70.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 160 | 23 | 70 | 69.9 | 48.1 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 162.7 | 24 | 69.9 | 69.8 | 48 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 165.4 | 25 | 69.8 | 69.7 | 48 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 168.1 | 26 | 69.7 | 69.6 | 48.1 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 170.8 | 27 | 69.5 | 69.4 | 48.1 | 69.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 173.5 | 28 | 69.4 | 69.3 | 48.1 | 69.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 176.2 | 29 | 69.3 | 69.2 | 48.1 | 69.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 178.9 | 30 | 69.2 | 69.1 | 48.1 | 69.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 181.6 | 31 | 69.1 | 69 | 48.1 | 69.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 184.3 | 32 | 69 | 68.9 | 48.2 | 69 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-303 | 187 | 33 | 68.9 | 68.8 | 48.3 | 68.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 100.6 | 1 | 71.7 | 71.5 | 56 | 71.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 103.3 | 2 | 71.7 | 71.4 | 58.7 | 71.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 106 | 3 | 71.8 | 71.4 | 60 | 71.7 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 108.7 | 4 | 71.8 | 71.3 | 60.5 | 71.6 | 70 | Y | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 111.4 | 5 | 71.8 | 71.2 | 60.6 | 71.6 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 114.1 | 6 | 71.8 | 71.1 | 60.7 | 71.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 116.8 | 7 | 71.7 | 71.1 | 60.8 | 71.5 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 119.5 | 8 | 71.7 | 71 | 60.8 | 71.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 122.2 | 9 | 71.7 | 71 | 60.9 | 71.4 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 124.9 | 10 | 71.7 | 70.9 | 61 | 71.3 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 127.6 | 11 | 71.6 | 70.8 | 61 | 71.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 130.3 | 12 | 71.6 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 133 | 13 | 71.6 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 135.7 | 14 | 71.6 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 138.4 | 15 | 71.6 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 141.1 | 16 | 71.6 | 70.8 | 61 | 71.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 143.8 | 17 | 71.6 | 70.8 | 61 | 71.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 146.5 | 18 | 71.5 | 70.8 | 61 | 71.3 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 149.2 | 19 | 71.5 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 151.9 | 20 | 71.5 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 154.6 | 21 | 71.4 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 157.3 | 22 | 71.4 | 70.8 | 61 | 71.2 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 160 | 23 | 71.3 | 70.7 | 60.9 | 71.2 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 162.7 | 24 | 71.3 | 70.7 | 60.9 | 71.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 165.4 | 25 | 71.2 | 70.7 | 60.9 | 71.1 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 168.1 | 26 | 71.2 | 70.6 | 60.9 | 71.1 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 170.8 | 27 | 71.1 | 70.5 | 60.9 | 71 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 173.5 | 28 | 71 | 70.5 | 60.9 | 71 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 176.2 | 29 | 71 | 70.5 | 60.8 | 70.9 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 178.9 | 30 | 70.9 | 70.4 | 60.8 | 70.8 | 70 | Y | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 181.6 | 31 | 70.9 | 70.3 | 60.8 | 70.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 184.3 | 32 | 70.8 | 70.3 | 60.8 | 70.8 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-304 | 187 | 33 | 70.8 | 70.2 | 60.8 | 70.7 | 70 | Y | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 100.6 | 1 | 61.8 | 60.8 | 54.1 | 61.6 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 103.3 | 2 | 64 | 62.8 | 57.4 | 63.9 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHWC-305 | 106 | 3 | 65.1 | 63.7 | 59 | 65 | 70 | N | 1.3 | Y | N | N | 2 | 0 | 0 |
| NHWC-305 | 108.7 | 4 | 65.8 | 64.5 | 59.5 | 65.7 | 70 | N | 1.2 | Y | N | N | 2 | 0 | 0 |
| NHWC-305 | 111.4 | 5 | 66.3 | 65.1 | 59.7 | 66.2 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHWC-305 | 114.1 | 6 | 66.6 | 65.4 | 59.8 | 66.5 | 70 | N | 1.1 | Y | N | N | 2 | 0 | 0 |
| NHWC-305 | 116.8 | 7 | 66.9 | 65.7 | 59.9 | 66.7 | 70 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NHWC-305 | 119.5 | 8 | 67.1 | 66 | 60 | 67 | 70 | N | 1 | Y | N | N | 2 | 0 | 0 |
| NHWC-305 | 122.2 | 9 | 67.4 | 66.3 | 60.1 | 67.2 | 70 | N | 0.9 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 124.9 | 10 | 67.6 | 66.5 | 60.2 | 67.4 | 70 | N | 0.9 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 127.6 | 11 | 67.9 | 66.9 | 60.2 | 67.7 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 130.3 | 12 | 68.2 | 67.2 | 60.3 | 68 | 70 | N | 0.8 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 133 | 13 | 68.4 | 67.5 | 60.3 | 68.2 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 135.7 | 14 | 68.7 | 67.8 | 60.3 | 68.5 | 70 | N | 0.7 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 138.4 | 15 | 68.9 | 68.1 | 60.3 | 68.7 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-305 | 141.1 | 16 | 69.1 | 68.3 | 60.3 | 68.9 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 143.8 | 17 | 69.2 | 68.5 | 60.4 | 69.1 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 146.5 | 18 | 69.4 | 68.7 | 60.3 | 69.3 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 149.2 | 19 | 69.5 | 68.8 | 60.3 | 69.4 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 151.9 | 20 | 69.6 | 69 | 60.3 | 69.5 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 154.6 | 21 | 69.7 | 69.1 | 60.3 | 69.6 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 157.3 | 22 | 69.8 | 69.2 | 60.3 | 69.7 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 160 | 23 | 69.9 | 69.3 | 60.3 | 69.8 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 162.7 | 24 | 69.9 | 69.3 | 60.3 | 69.9 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 165.4 | 25 | 70 | 69.4 | 60.2 | 69.9 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 168.1 | 26 | 70 | 69.5 | 60.2 | 69.9 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 170.8 | 27 | 70.1 | 69.5 | 60.2 | 70 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 173.5 | 28 | 70.1 | 69.6 | 60.1 | 70.1 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 176.2 | 29 | 70.2 | 69.7 | 60.1 | 70.1 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 178.9 | 30 | 70.2 | 69.7 | 60.1 | 70.2 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 181.6 | 31 | 70.2 | 69.8 | 60.1 | 70.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 184.3 | 32 | 70.3 | 69.8 | 60.1 | 70.3 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-305 | 187 | 33 | 70.3 | 69.8 | 60 | 70.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 100.6 | 1 | 62.2 | 61.4 | 53 | 62 | 70 | N | 0.6 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 103.3 | 2 | 64.5 | 63.8 | 54.8 | 64.3 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 106 | 3 | 65.8 | 65.2 | 56.4 | 65.7 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 108.7 | 4 | 66.8 | 66.1 | 57.1 | 66.6 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 111.4 | 5 | 67.3 | 66.7 | 57.6 | 67.2 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 114.1 | 6 | 67.7 | 67 | 58 | 67.5 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 116.8 | 7 | 67.9 | 67.3 | 58.2 | 67.8 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 119.5 | 8 | 68.2 | 67.6 | 58.3 | 68.1 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 122.2 | 9 | 68.5 | 67.8 | 58.3 | 68.3 | 70 | N | 0.5 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 124.9 | 10 | 68.7 | 68.1 | 58.4 | 68.5 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 127.6 | 11 | 68.9 | 68.3 | 58.4 | 68.7 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 130.3 | 12 | 69.1 | 68.5 | 58.5 | 68.9 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 133 | 13 | 69.2 | 68.6 | 58.5 | 69 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 135.7 | 14 | 69.3 | 68.7 | 58.6 | 69.1 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 138.4 | 15 | 69.4 | 68.8 | 58.6 | 69.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 141.1 | 16 | 69.5 | 68.8 | 58.6 | 69.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 143.8 | 17 | 69.5 | 68.9 | 58.5 | 69.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 146.5 | 18 | 69.6 | 69 | 58.5 | 69.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 149.2 | 19 | 69.6 | 69 | 58.5 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 151.9 | 20 | 69.6 | 69 | 58.5 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 154.6 | 21 | 69.6 | 69 | 58.4 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 157.3 | 22 | 69.6 | 69 | 58.4 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 160 | 23 | 69.6 | 69 | 58.4 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 162.7 | 24 | 69.6 | 69 | 58.3 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 165.4 | 25 | 69.5 | 69 | 58.3 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 168.1 | 26 | 69.5 | 69 | 58.2 | 69.4 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 170.8 | 27 | 69.5 | 69 | 58.2 | 69.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 173.5 | 28 | 69.5 | 69 | 58.1 | 69.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 176.2 | 29 | 69.4 | 69 | 58.1 | 69.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 178.9 | 30 | 69.4 | 69 | 58 | 69.3 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 181.6 | 31 | 69.4 | 68.9 | 58 | 69.3 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 184.3 | 32 | 69.3 | 68.9 | 57.9 | 69.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 187 | 33 | 69.3 | 68.9 | 57.9 | 69.2 | 70 | N | 0.3 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 189.7 | 34 | 69.2 | 68.8 | 57.8 | 69.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 192.4 | 35 | 69.2 | 68.8 | 57.8 | 69.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 195.1 | 36 | 69.2 | 68.8 | 57.8 | 69.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-306 | 197.8 | 37 | 69.2 | 68.8 | 57.7 | 69.2 | 70 | N | 0.4 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 100.6 | 1 | 64 | 63.9 | 49 | 64 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 103.3 | 2 | 66.1 | 66 | 50.2 | 66.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 106 | 3 | 67.4 | 67.3 | 51.5 | 67.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 108.7 | 4 | 68.1 | 67.9 | 52.3 | 68.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 111.4 | 5 | 68.5 | 68.4 | 53 | 68.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 114.1 | 6 | 68.8 | 68.7 | 53.4 | 68.8 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 116.8 | 7 | 69.1 | 68.9 | 53.6 | 69.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 119.5 | 8 | 69.3 | 69.2 | 53.9 | 69.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 122.2 | 9 | 69.5 | 69.3 | 54.3 | 69.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 124.9 | 10 | 69.7 | 69.6 | 54.5 | 69.7 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 127.6 | 11 | 69.9 | 69.7 | 54.7 | 69.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 130.3 | 12 | 70 | 69.9 | 54.9 | 70 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 133 | 13 | 70.2 | 70.1 | 55 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 135.7 | 14 | 70.4 | 70.2 | 55.2 | 70.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 138.4 | 15 | 70.5 | 70.4 | 55.3 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 141.1 | 16 | 70.7 | 70.6 | 55.3 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 143.8 | 17 | 70.8 | 70.7 | 55.4 | 70.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 146.5 | 18 | 71 | 70.8 | 55.5 | 70.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 149.2 | 19 | 71.1 | 70.9 | 55.5 | 71.1 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 151.9 | 20 | 71.1 | 71 | 55.5 | 71.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 154.6 | 21 | 71.2 | 71.1 | 55.5 | 71.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 157.3 | 22 | 71.3 | 71.2 | 55.5 | 71.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 160 | 23 | 71.5 | 71.3 | 55.5 | 71.5 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 162.7 | 24 | 71.6 | 71.4 | 55.5 | 71.6 | 70 | Y | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 165.4 | 25 | 71.6 | 71.5 | 55.4 | 71.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 168.1 | 26 | 71.8 | 71.6 | 55.5 | 71.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 170.8 | 27 | 71.8 | 71.7 | 55.4 | 71.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 173.5 | 28 | 71.9 | 71.8 | 55.4 | 71.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 176.2 | 29 | 72 | 71.9 | 55.3 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 178.9 | 30 | 72 | 71.9 | 55.3 | 72 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 181.6 | 31 | 72 | 71.9 | 55.3 | 72 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 184.3 | 32 | 72.1 | 72 | 55.3 | 72.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 187 | 33 | 72.1 | 72 | 55.2 | 72.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 189.7 | 34 | 72.1 | 72 | 55.2 | 72.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 192.4 | 35 | 72.1 | 72 | 55.2 | 72.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 195.1 | 36 | 72.1 | 72.1 | 55.2 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-307 | 197.8 | 37 | 72.2 | 72.1 | 55.3 | 72.2 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 100.6 | 1 | 64.5 | 64.5 | 32.2 | 64.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 103.3 | 2 | 64.6 | 64.6 | 32.2 | 64.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 106 | 3 | 64.6 | 64.6 | 32.2 | 64.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 108.7 | 4 | 64.7 | 64.7 | 32.2 | 64.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 111.4 | 5 | 64.7 | 64.7 | 32.2 | 64.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 114.1 | 6 | 64.8 | 64.8 | 32.2 | 64.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 116.8 | 7 | 64.9 | 64.9 | 32.2 | 64.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 119.5 | 8 | 64.9 | 64.9 | 32.2 | 64.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 122.2 | 9 | 65.1 | 65.1 | 32.2 | 65.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 124.9 | 10 | 65.3 | 65.3 | 32.2 | 65.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 127.6 | 11 | 65.5 | 65.5 | 32.1 | 65.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 130.3 | 12 | 65.7 | 65.7 | 32.1 | 65.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 133 | 13 | 66.1 | 66.1 | 32.1 | 66.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 135.7 | 14 | 66.3 | 66.3 | 32.1 | 66.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 138.4 | 15 | 66.6 | 66.6 | 32.1 | 66.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 141.1 | 16 | 66.9 | 66.9 | 32.1 | 66.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 143.8 | 17 | 67.2 | 67.2 | 32.1 | 67.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 146.5 | 18 | 67.5 | 67.5 | 32.1 | 67.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 149.2 | 19 | 67.7 | 67.7 | 32.1 | 67.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 151.9 | 20 | 67.9 | 67.9 | 32.1 | 67.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 154.6 | 21 | 68.2 | 68.2 | 32.1 | 68.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-308 | 157.3 | 22 | 68.3 | 68.3 | 32.1 | 68.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 160 | 23 | 68.4 | 68.4 | 32 | 68.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 162.7 | 24 | 68.6 | 68.6 | 32 | 68.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 165.4 | 25 | 68.9 | 68.9 | 32 | 68.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 168.1 | 26 | 69.1 | 69.1 | 32 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 170.8 | 27 | 69.2 | 69.2 | 32.1 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 173.5 | 28 | 69.4 | 69.4 | 32.8 | 69.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 176.2 | 29 | 69.6 | 69.6 | 33.7 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 178.9 | 30 | 69.7 | 69.7 | 34.5 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 181.6 | 31 | 69.8 | 69.8 | 35.5 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 184.3 | 32 | 69.9 | 69.9 | 36.5 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 187 | 33 | 70 | 70 | 37.6 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 189.7 | 34 | 70.1 | 70.1 | 38.7 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 192.4 | 35 | 70.1 | 70.1 | 40 | 70.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 195.1 | 36 | 70.2 | 70.2 | 41.1 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-308 | 197.8 | 37 | 70.2 | 70.2 | 42.5 | 70.3 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 100.6 | 1 | 58.7 | 58.5 | 45 | 58.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 103.3 | 2 | 60 | 59.6 | 45.6 | 59.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 106 | 3 | 60.2 | 59.8 | 46 | 60 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 108.7 | 4 | 60.4 | 60.1 | 46.3 | 60.3 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 111.4 | 5 | 60.6 | 60.3 | 46.7 | 60.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 114.1 | 6 | 60.9 | 60.5 | 47.1 | 60.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 116.8 | 7 | 61.1 | 60.8 | 47.5 | 61 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 119.5 | 8 | 61.3 | 61 | 47.8 | 61.2 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 122.2 | 9 | 61.5 | 61.3 | 48.2 | 61.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 124.9 | 10 | 61.8 | 61.6 | 48.5 | 61.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 127.6 | 11 | 62.1 | 61.9 | 48.7 | 62.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 130.3 | 12 | 62.5 | 62.2 | 49 | 62.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 133 | 13 | 62.9 | 62.7 | 49.4 | 62.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 135.7 | 14 | 63.3 | 63.2 | 49.9 | 63.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 138.4 | 15 | 63.9 | 63.7 | 50.3 | 63.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 141.1 | 16 | 64.4 | 64.3 | 50.7 | 64.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 143.8 | 17 | 64.8 | 64.7 | 50.9 | 64.9 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 146.5 | 18 | 65.3 | 65.2 | 51.2 | 65.4 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 149.2 | 19 | 65.7 | 65.6 | 51.5 | 65.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 151.9 | 20 | 66.1 | 66 | 51.7 | 66.1 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 154.6 | 21 | 66.4 | 66.3 | 52 | 66.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 157.3 | 22 | 66.7 | 66.6 | 52.3 | 66.8 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 160 | 23 | 67 | 66.9 | 52.3 | 67.1 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 162.7 | 24 | 67.3 | 67.3 | 52.4 | 67.4 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 165.4 | 25 | 67.5 | 67.4 | 52.5 | 67.5 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 168.1 | 26 | 67.6 | 67.6 | 52.6 | 67.7 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 170.8 | 27 | 67.9 | 67.8 | 52.8 | 67.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 173.5 | 28 | 68.1 | 68.1 | 53 | 68.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 176.2 | 29 | 68.4 | 68.3 | 53.1 | 68.5 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 178.9 | 30 | 68.6 | 68.5 | 53.3 | 68.7 | 70 | N | 0.2 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 181.6 | 31 | 68.8 | 68.8 | 53.5 | 68.9 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 184.3 | 32 | 69 | 68.9 | 53.6 | 69 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-309 | 187 | 33 | 69.1 | 69.1 | 53.7 | 69.2 | 70 | N | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 100.6 | 1 | 71.9 | 71.9 | 46.3 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 103.3 | 2 | 71.9 | 71.9 | 47.1 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 106 | 3 | 71.9 | 71.8 | 47.5 | 71.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 108.7 | 4 | 71.8 | 71.8 | 47.8 | 71.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 111.4 | 5 | 71.6 | 71.6 | 48.1 | 71.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 114.1 | 6 | 71.5 | 71.5 | 48.5 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 116.8 | 7 | 71.4 | 71.4 | 48.8 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 119.5 | 8 | 71.3 | 71.2 | 49.2 | 71.3 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 122.2 | 9 | 71.1 | 71.1 | 49.5 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 124.9 | 10 | 71 | 71 | 49.9 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 127.6 | 11 | 70.9 | 70.9 | 50.1 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 130.3 | 12 | 70.8 | 70.8 | 50.4 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 133 | 13 | 70.7 | 70.6 | 50.7 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 135.7 | 14 | 70.6 | 70.5 | 51.1 | 70.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 138.4 | 15 | 70.5 | 70.5 | 51.4 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 141.1 | 16 | 70.5 | 70.4 | 51.8 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 143.8 | 17 | 70.5 | 70.5 | 52.1 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 146.5 | 18 | 70.5 | 70.4 | 52.4 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 149.2 | 19 | 70.4 | 70.4 | 52.6 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 151.9 | 20 | 70.5 | 70.5 | 52.8 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 154.6 | 21 | 70.5 | 70.4 | 53.1 | 70.5 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 157.3 | 22 | 70.5 | 70.5 | 53.4 | 70.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 160 | 23 | 70.5 | 70.5 | 53.6 | 70.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 162.7 | 24 | 70.6 | 70.5 | 53.7 | 70.6 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 165.4 | 25 | 70.6 | 70.6 | 53.9 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 168.1 | 26 | 70.7 | 70.6 | 54 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 170.8 | 27 | 70.7 | 70.6 | 54.1 | 70.7 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 173.5 | 28 | 70.7 | 70.7 | 54.3 | 70.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 176.2 | 29 | 70.7 | 70.7 | 54.4 | 70.8 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 178.9 | 30 | 70.9 | 70.8 | 54.5 | 70.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 181.6 | 31 | 70.9 | 70.8 | 54.6 | 70.9 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 184.3 | 32 | 71 | 71 | 54.8 | 71.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-310 | 187 | 33 | 71 | 71 | 55 | 71.1 | 70 | Y | 0.1 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 100.6 | 1 | 74.8 | 74.8 | 0 | 74.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 103.3 | 2 | 74.8 | 74.8 | 0 | 74.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 106 | 3 | 74.6 | 74.6 | 0 | 74.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 108.7 | 4 | 74.4 | 74.4 | 0 | 74.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 111.4 | 5 | 74.3 | 74.3 | 0 | 74.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 114.1 | 6 | 74.1 | 74.1 | 0 | 74.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 116.8 | 7 | 73.9 | 73.9 | 0 | 73.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 119.5 | 8 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 122.2 | 9 | 73.4 | 73.4 | 0 | 73.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 124.9 | 10 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 127.6 | 11 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 130.3 | 12 | 72.9 | 72.9 | 0 | 72.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 133 | 13 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 135.7 | 14 | 72.4 | 72.4 | 0 | 72.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 138.4 | 15 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 141.1 | 16 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 143.8 | 17 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 146.5 | 18 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 149.2 | 19 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 151.9 | 20 | 71.4 | 71.4 | 0 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 154.6 | 21 | 71.2 | 71.2 | 0 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 157.3 | 22 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 160 | 23 | 70.9 | 70.9 | 0 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 162.7 | 24 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 165.4 | 25 | 70.6 | 70.6 | 0 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 168.1 | 26 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 170.8 | 27 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 173.5 | 28 | 70.2 | 70.2 | 0 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 176.2 | 29 | 70 | 70 | 0 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 178.9 | 30 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 181.6 | 31 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NHWC-311 | 184.3 | 32 | 69.7 | 69.7 | 0 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-311 | 187 | 33 | 69.6 | 69.6 | 0 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 100.6 | 1 | 73.8 | 73.8 | 0 | 73.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 103.3 | 2 | 73.7 | 73.7 | 0 | 73.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 106 | 3 | 73.5 | 73.5 | 0 | 73.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 108.7 | 4 | 73.3 | 73.3 | 0 | 73.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 111.4 | 5 | 73.1 | 73.1 | 0 | 73.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 114.1 | 6 | 72.8 | 72.8 | 0 | 72.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 116.8 | 7 | 72.6 | 72.6 | 0 | 72.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 119.5 | 8 | 72.3 | 72.3 | 0 | 72.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 122.2 | 9 | 72.1 | 72.1 | 0 | 72.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 124.9 | 10 | 71.9 | 71.9 | 0 | 71.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 127.6 | 11 | 71.7 | 71.7 | 0 | 71.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 130.3 | 12 | 71.5 | 71.5 | 0 | 71.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 133 | 13 | 71.3 | 71.3 | 0 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 135.7 | 14 | 71.1 | 71.1 | 0 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 138.4 | 15 | 70.8 | 70.8 | 0 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 141.1 | 16 | 70.7 | 70.7 | 0 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 143.8 | 17 | 70.5 | 70.5 | 0 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 146.5 | 18 | 70.3 | 70.3 | 0 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 149.2 | 19 | 70.1 | 70.1 | 0 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 151.9 | 20 | 69.9 | 69.9 | 0 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 154.6 | 21 | 69.8 | 69.8 | 0 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 157.3 | 22 | 69.6 | 69.6 | 0 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 160 | 23 | 69.5 | 69.5 | 0 | 69.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 162.7 | 24 | 69.3 | 69.3 | 0 | 69.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 165.4 | 25 | 69.2 | 69.2 | 0 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 168.1 | 26 | 69 | 69 | 0 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 170.8 | 27 | 68.9 | 68.9 | 0 | 68.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 173.5 | 28 | 68.8 | 68.8 | 0 | 68.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 176.2 | 29 | 68.6 | 68.6 | 0 | 68.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 178.9 | 30 | 68.5 | 68.5 | 0 | 68.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 181.6 | 31 | 68.4 | 68.4 | 0 | 68.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 184.3 | 32 | 68.3 | 68.3 | 0 | 68.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 187 | 33 | 68.2 | 68.2 | 0 | 68.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 189.7 | 34 | 68.1 | 68.1 | 0 | 68.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 192.4 | 35 | 68 | 68 | 0 | 68 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 195.1 | 36 | 67.9 | 67.9 | 0 | 67.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NHWC-312 | 197.8 | 37 | 67.8 | 67.8 | 0 | 67.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 95.5 | 1 | 71.1 | 71.1 | 15 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 98.2 | 2 | 71.2 | 71.2 | 15 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 100.9 | 3 | 71.4 | 71.4 | 14.9 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 103.6 | 4 | 71.4 | 71.4 | 14.9 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 106.3 | 5 | 71.4 | 71.4 | 14.9 | 71.4 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 109 | 6 | 71.3 | 71.3 | 14.9 | 71.3 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 111.7 | 7 | 71.2 | 71.2 | 14.9 | 71.2 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 114.4 | 8 | 71.1 | 71.1 | 14.9 | 71.1 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 117.1 | 9 | 71 | 71 | 14.9 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 119.8 | 10 | 70.9 | 70.9 | 14.9 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 122.5 | 11 | 70.7 | 70.7 | 14.9 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 125.2 | 12 | 70.6 | 70.6 | 14.9 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 127.9 | 13 | 70.5 | 70.5 | 14.9 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 130.6 | 14 | 70.4 | 70.4 | 14.9 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 133.3 | 15 | 70.2 | 70.2 | 14.9 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 136 | 16 | 70.1 | 70.1 | 14.9 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 138.7 | 17 | 70 | 70 | 14.8 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 141.4 | 18 | 69.9 | 69.9 | 14.8 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 144.1 | 19 | 69.8 | 69.8 | 14.8 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 146.8 | 20 | 69.7 | 69.7 | 14.8 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 149.5 | 21 | 69.7 | 69.7 | 14.8 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 152.2 | 22 | 69.7 | 69.7 | 14.8 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 154.9 | 23 | 69.7 | 69.7 | 14.8 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 157.6 | 24 | 69.6 | 69.6 | 14.8 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 160.3 | 25 | 69.6 | 69.6 | 14.8 | 69.6 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 163 | 26 | 69.5 | 69.5 | 14.7 | 69.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 165.7 | 27 | 69.5 | 69.5 | 14.7 | 69.5 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 168.4 | 28 | 69.4 | 69.4 | 14.7 | 69.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 171.1 | 29 | 69.3 | 69.3 | 14.7 | 69.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 173.8 | 30 | 69.3 | 69.3 | 14.7 | 69.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 176.5 | 31 | 69.2 | 69.2 | 14.7 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 179.2 | 32 | 69.2 | 69.2 | 14.4 | 69.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 181.9 | 33 | 69.1 | 69.1 | 15 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 184.6 | 34 | 69.1 | 69.1 | 15.7 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 187.3 | 35 | 69.1 | 69.1 | 16.4 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 190 | 36 | 69.1 | 69.1 | 17.2 | 69.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 192.7 | 37 | 69 | 69 | 18 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-101 | 195.4 | 38 | 69 | 69 | 18.9 | 69 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 95.5 | 1 | 70.7 | 70.7 | 14.8 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 98.2 | 2 | 70.9 | 70.9 | 14.8 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 100.9 | 3 | 70.9 | 70.9 | 14.8 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 103.6 | 4 | 71 | 71 | 14.8 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 106.3 | 5 | 71 | 71 | 14.8 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 109 | 6 | 71 | 71 | 14.8 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 111.7 | 7 | 71 | 71 | 14.8 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 114.4 | 8 | 71 | 71 | 14.8 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 117.1 | 9 | 71 | 71 | 14.8 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 119.8 | 10 | 71 | 71 | 14.8 | 71 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 122.5 | 11 | 70.9 | 70.9 | 14.8 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 125.2 | 12 | 70.9 | 70.9 | 14.8 | 70.9 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 127.9 | 13 | 70.8 | 70.8 | 14.8 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 130.6 | 14 | 70.8 | 70.8 | 14.8 | 70.8 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 133.3 | 15 | 70.7 | 70.7 | 14.8 | 70.7 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 136 | 16 | 70.6 | 70.6 | 14.7 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 138.7 | 17 | 70.6 | 70.6 | 14.7 | 70.6 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 141.4 | 18 | 70.5 | 70.5 | 14.7 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 144.1 | 19 | 70.5 | 70.5 | 14.7 | 70.5 | 70 | Y | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 146.8 | 20 | 70.4 | 70.4 | 14.7 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 149.5 | 21 | 70.4 | 70.4 | 14.7 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 152.2 | 22 | 70.4 | 70.4 | 14.7 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 154.9 | 23 | 70.4 | 70.4 | 14.7 | 70.4 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 157.6 | 24 | 70.3 | 70.3 | 14.7 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 160.3 | 25 | 70.3 | 70.3 | 14.6 | 70.3 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 163 | 26 | 70.2 | 70.2 | 14.6 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 165.7 | 27 | 70.2 | 70.2 | 14.6 | 70.2 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 168.4 | 28 | 70.1 | 70.1 | 14.6 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 171.1 | 29 | 70.1 | 70.1 | 14.6 | 70.1 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 173.8 | 30 | 70 | 70 | 14.6 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 176.5 | 31 | 70 | 70 | 14.6 | 70 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 179.2 | 32 | 69.9 | 69.9 | 14.5 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 181.9 | 33 | 69.9 | 69.9 | 14.7 | 69.9 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 184.6 | 34 | 69.8 | 69.8 | 15.5 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 187.3 | 35 | 69.8 | 69.8 | 16.2 | 69.8 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 190 | 36 | 69.7 | 69.7 | 17 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NLTE-102 | 192.7 | 37 | 69.7 | 69.7 | 17.8 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NLTE-102 | 195.4 | 38 | 69.7 | 69.7 | 18.5 | 69.7 | 70 | N | 0 | N | N | N | 2 | 0 | 0 |
| NSECP-101 | 96.1 | 1 | 72.6 | 72.6 | 16.7 | 72.6 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NSECP-101 | 99.1 | 2 | 72.6 | 72.6 | 16.7 | 72.6 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NSECP-101 | 102.1 | 3 | 72.5 | 72.5 | 16.6 | 72.5 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NSECP-101 | 105.1 | 4 | 72.5 | 72.5 | 16.6 | 72.5 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NSECP-101 | 108.1 | 5 | 72.5 | 72.5 | 16.6 | 72.5 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NSECP-101 | 111.1 | 6 | 72.4 | 72.4 | 16.6 | 72.4 | 65 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NSECP-102 | 96.1 | 1 | 72.8 | 72.8 | 16.8 | 72.8 | 65 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSECP-102 | 99.1 | 2 | 72.8 | 72.8 | 16.7 | 72.8 | 65 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSECP-102 | 102.1 | 3 | 72.8 | 72.8 | 16.7 | 72.8 | 65 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSECP-102 | 105.1 | 4 | 72.7 | 72.7 | 16.7 | 72.7 | 65 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSECP-102 | 108.1 | 5 | 72.6 | 72.6 | 16.7 | 72.6 | 65 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSECP-102 | 111.1 | 6 | 72.6 | 72.6 | 16.7 | 72.6 | 65 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NSECP-103 | 96.1 | 1 | 66 | 66 | 16.4 | 66 | 65 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NSECP-103 | 99.1 | 2 | 66.1 | 66.1 | 16.7 | 66.1 | 65 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NSECP-103 | 102.1 | 3 | 66.1 | 66.1 | 16.9 | 66.1 | 65 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NSECP-103 | 105.1 | 4 | 66.1 | 66.1 | 17 | 66.1 | 65 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NSECP-103 | 108.1 | 5 | 66.2 | 66.2 | 17 | 66.2 | 65 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NSECP-103 | 111.1 | 6 | 66.8 | 66.8 | 17 | 66.8 | 65 | Y | 0 | N | N | N | 7 | 0 | 0 |
| NSECP-104 | 96.1 | 1 | 48.5 | 48.5 | 17.3 | 48.5 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NSECP-104 | 99.1 | 2 | 49.9 | 49.9 | 17.3 | 49.9 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NSECP-104 | 102.1 | 3 | 51.7 | 51.7 | 17.4 | 51.7 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NSECP-104 | 105.1 | 4 | 54.1 | 54.1 | 17.3 | 54.1 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NSECP-104 | 108.1 | 5 | 57.6 | 57.6 | 17.3 | 57.6 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NSECP-104 | 111.1 | 6 | 64.8 | 64.8 | 17.3 | 64.8 | 65 | N | 0 | N | N | N | 5 | 0 | 0 |
| NTTE-101 | 109.2 | 1 | 76.6 | 76.6 | 11.4 | 76.6 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 111.9 | 2 | 76.3 | 76.3 | 12.2 | 76.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 114.6 | 3 | 76 | 76 | 13 | 76 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 117.3 | 4 | 75.7 | 75.7 | 13.8 | 75.7 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 120 | 5 | 75.3 | 75.3 | 14.7 | 75.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 122.7 | 6 | 75 | 75 | 15.7 | 75 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 125.4 | 7 | 74.7 | 74.7 | 17 | 74.7 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 128.1 | 8 | 74.3 | 74.3 | 18.5 | 74.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 130.8 | 9 | 74.1 | 74.1 | 20.1 | 74.1 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 133.5 | 10 | 73.8 | 73.8 | 22.1 | 73.8 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 136.2 | 11 | 73.5 | 73.5 | 24.5 | 73.5 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 138.9 | 12 | 73.3 | 73.3 | 25.7 | 73.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 141.6 | 13 | 73 | 73 | 26.3 | 73 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 144.3 | 14 | 72.9 | 72.9 | 26.7 | 72.9 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 147 | 15 | 72.7 | 72.7 | 27.1 | 72.7 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 149.7 | 16 | 72.6 | 72.6 | 27.4 | 72.6 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 152.4 | 17 | 72.4 | 72.4 | 28 | 72.4 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 155.1 | 18 | 72.3 | 72.3 | 28.6 | 72.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 157.8 | 19 | 72.2 | 72.2 | 29.2 | 72.2 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 160.5 | 20 | 72 | 72 | 29.7 | 72 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 163.2 | 21 | 71.9 | 71.9 | 30 | 71.9 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 165.9 | 22 | 71.8 | 71.8 | 30.3 | 71.8 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 168.6 | 23 | 71.6 | 71.6 | 30.4 | 71.6 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 171.3 | 24 | 71.5 | 71.5 | 30.5 | 71.5 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 174 | 25 | 71.4 | 71.4 | 30.5 | 71.4 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-101 | 176.7 | 26 | 71.2 | 71.2 | 30.5 | 71.2 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-102 | 109.2 | 1 | 76.9 | 76.9 | 13.2 | 76.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 111.9 | 2 | 76.6 | 76.6 | 13.8 | 76.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 114.6 | 3 | 76.3 | 76.3 | 14.4 | 76.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 117.3 | 4 | 76 | 76 | 15 | 76 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 120 | 5 | 75.6 | 75.6 | 15.6 | 75.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 122.7 | 6 | 75.2 | 75.2 | 16.2 | 75.2 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 125.4 | 7 | 74.9 | 74.9 | 16.9 | 74.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 128.1 | 8 | 74.6 | 74.6 | 17.5 | 74.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 130.8 | 9 | 74.2 | 74.2 | 18.1 | 74.2 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 133.5 | 10 | 73.9 | 73.9 | 18.7 | 73.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 136.2 | 11 | 73.6 | 73.6 | 19.4 | 73.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 138.9 | 12 | 73.4 | 73.4 | 20 | 73.4 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 141.6 | 13 | 73.1 | 73.1 | 20.7 | 73.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 144.3 | 14 | 72.9 | 72.9 | 21.6 | 72.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 147 | 15 | 72.7 | 72.7 | 22.5 | 72.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 149.7 | 16 | 72.5 | 72.5 | 23.5 | 72.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 152.4 | 17 | 72.3 | 72.3 | 24.6 | 72.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 155.1 | 18 | 72.1 | 72.1 | 25.9 | 72.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 157.8 | 19 | 72 | 72 | 28 | 72 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 160.5 | 20 | 71.8 | 71.8 | 28.6 | 71.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 163.2 | 21 | 71.7 | 71.7 | 30.3 | 71.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 165.9 | 22 | 71.6 | 71.6 | 31.2 | 71.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 168.6 | 23 | 71.5 | 71.5 | 31.8 | 71.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 171.3 | 24 | 71.4 | 71.4 | 32.1 | 71.4 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 174 | 25 | 71.3 | 71.3 | 32.3 | 71.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-102 | 176.7 | 26 | 71.1 | 71.1 | 32.5 | 71.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-103 | 109.2 | 1 | 76.8 | 76.8 | 14 | 76.8 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 111.9 | 2 | 76.6 | 76.6 | 14.5 | 76.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 114.6 | 3 | 76.3 | 76.3 | 15 | 76.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 117.3 | 4 | 76 | 76 | 15.4 | 76 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 120 | 5 | 75.6 | 75.6 | 15.9 | 75.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 122.7 | 6 | 75.3 | 75.3 | 16.4 | 75.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 125.4 | 7 | 74.9 | 74.9 | 16.9 | 74.9 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 128.1 | 8 | 74.6 | 74.6 | 17.3 | 74.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 130.8 | 9 | 74.2 | 74.2 | 17.8 | 74.2 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 133.5 | 10 | 73.9 | 73.9 | 18.3 | 73.9 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 136.2 | 11 | 73.6 | 73.6 | 18.8 | 73.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 138.9 | 12 | 73.3 | 73.3 | 19.3 | 73.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 141.6 | 13 | 73.1 | 73.1 | 19.8 | 73.1 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 144.3 | 14 | 72.8 | 72.8 | 20.5 | 72.8 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 147 | 15 | 72.6 | 72.6 | 21 | 72.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 149.7 | 16 | 72.4 | 72.4 | 21.7 | 72.4 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 152.4 | 17 | 72.1 | 72.1 | 22.5 | 72.1 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 155.1 | 18 | 72 | 72 | 23.4 | 72 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 157.8 | 19 | 71.8 | 71.8 | 24.4 | 71.8 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 160.5 | 20 | 71.6 | 71.6 | 25.4 | 71.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 163.2 | 21 | 71.5 | 71.5 | 26.8 | 71.5 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 165.9 | 22 | 71.3 | 71.3 | 27.9 | 71.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 168.6 | 23 | 71.2 | 71.2 | 29.2 | 71.2 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 171.3 | 24 | 71.1 | 71.1 | 30.6 | 71.1 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 174 | 25 | 71 | 71 | 31.3 | 71 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-103 | 176.7 | 26 | 70.9 | 70.9 | 31.8 | 70.9 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 109.2 | 1 | 76.7 | 76.7 | 13.8 | 76.7 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 111.9 | 2 | 76.5 | 76.5 | 14.2 | 76.5 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 114.6 | 3 | 76.3 | 76.3 | 14.6 | 76.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 117.3 | 4 | 76 | 76 | 14.9 | 76 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 120 | 5 | 75.6 | 75.6 | 15.3 | 75.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 122.7 | 6 | 75.3 | 75.3 | 15.7 | 75.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 125.4 | 7 | 74.9 | 74.9 | 16 | 74.9 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 128.1 | 8 | 74.5 | 74.5 | 16.4 | 74.5 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 130.8 | 9 | 74.2 | 74.2 | 16.7 | 74.2 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |

**Appendix 5.12 Detailed Results of Road Traffic Noise Assessment (Mitigated Scenario)**
**Scenario: Year 2030 - Mitigated**

| Assessment Point | | | Unmitigated | Mitigated | | | Noise Criteria | Exceedance of Noise Criteria? (Y/N) | Check Project Contribution | | Check Direct Mitigation | Mitigation Required? (Y/N) | No. of dwellings/ classrooms respresented | No. of dwellings/ classrooms benefitted from noise mitigation measures [1] | No. of dwellings/classrooms protected from noise mitigation measures [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | mPD (m) | Floor | Overall Noise Level, dB(A) | Other Rd Contribution [A] | Project Rd Contribution [B] | Overall Noise Level, dB(A) [C] = [A] + [B] | | | [C] - [A] | > or = 1dB(A) (Y/N) | Project Road > Criteria (Y/N) | | | | |
| NTTE-104 | 133.5 | 10 | 73.9 | 73.9 | 17 | 73.9 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 136.2 | 11 | 73.6 | 73.6 | 17.5 | 73.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 138.9 | 12 | 73.3 | 73.3 | 17.9 | 73.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 141.6 | 13 | 73.1 | 73.1 | 18.3 | 73.1 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 144.3 | 14 | 72.8 | 72.8 | 18.7 | 72.8 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 147 | 15 | 72.5 | 72.5 | 19.2 | 72.5 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 149.7 | 16 | 72.3 | 72.3 | 19.7 | 72.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 152.4 | 17 | 72.1 | 72.1 | 20.2 | 72.1 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 155.1 | 18 | 71.9 | 71.9 | 20.8 | 71.9 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 157.8 | 19 | 71.7 | 71.7 | 21.3 | 71.7 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 160.5 | 20 | 71.5 | 71.5 | 22 | 71.5 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 163.2 | 21 | 71.3 | 71.3 | 22.7 | 71.3 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 165.9 | 22 | 71.1 | 71.1 | 23.4 | 71.1 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 168.6 | 23 | 71 | 71 | 24.2 | 71 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 171.3 | 24 | 70.9 | 70.9 | 25.2 | 70.9 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 174 | 25 | 70.7 | 70.7 | 26.2 | 70.7 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-104 | 176.7 | 26 | 70.6 | 70.6 | 27.8 | 70.6 | 70 | Y | 0 | N | N | N | 4 | 0 | 0 |
| NTTE-105 | 109.2 | 1 | 76.8 | 76.8 | 15.2 | 76.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 111.9 | 2 | 76.6 | 76.6 | 15.8 | 76.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 114.6 | 3 | 76.4 | 76.4 | 16.3 | 76.4 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 117.3 | 4 | 76.1 | 76.1 | 16.6 | 76.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 120 | 5 | 75.8 | 75.8 | 16.8 | 75.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 122.7 | 6 | 75.4 | 75.4 | 17 | 75.4 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 125.4 | 7 | 75.1 | 75.1 | 17.3 | 75.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 128.1 | 8 | 74.7 | 74.7 | 17.6 | 74.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 130.8 | 9 | 74.3 | 74.3 | 17.8 | 74.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 133.5 | 10 | 74 | 74 | 18 | 74 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 136.2 | 11 | 73.7 | 73.7 | 18.3 | 73.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 138.9 | 12 | 73.4 | 73.4 | 18.5 | 73.4 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 141.6 | 13 | 73.1 | 73.1 | 18.8 | 73.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 144.3 | 14 | 72.8 | 72.8 | 19.1 | 72.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 147 | 15 | 72.6 | 72.6 | 19.4 | 72.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 149.7 | 16 | 72.3 | 72.3 | 19.7 | 72.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 152.4 | 17 | 72.1 | 72.1 | 20 | 72.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 155.1 | 18 | 71.9 | 71.9 | 20.3 | 71.9 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 157.8 | 19 | 71.7 | 71.7 | 20.6 | 71.7 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 160.5 | 20 | 71.5 | 71.5 | 21 | 71.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 163.2 | 21 | 71.3 | 71.3 | 21.4 | 71.3 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 165.9 | 22 | 71.1 | 71.1 | 21.8 | 71.1 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 168.6 | 23 | 71 | 71 | 22.3 | 71 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 171.3 | 24 | 70.8 | 70.8 | 22.8 | 70.8 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 174 | 25 | 70.6 | 70.6 | 23.4 | 70.6 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-105 | 176.7 | 26 | 70.5 | 70.5 | 23.8 | 70.5 | 70 | Y | 0 | N | N | N | 6 | 0 | 0 |
| NTTE-106 | 109.2 | 1 | 76.7 | 76.7 | 13.5 | 76.7 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 111.9 | 2 | 76.6 | 76.6 | 13.6 | 76.6 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 114.6 | 3 | 76.4 | 76.4 | 13.8 | 76.4 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 117.3 | 4 | 76.1 | 76.1 | 13.9 | 76.1 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 120 | 5 | 75.8 | 75.8 | 14 | 75.8 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 122.7 | 6 | 75.5 | 75.5 | 14.1 | 75.5 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 125.4 | 7 | 75.1 | 75.1 | 14.3 | 75.1 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 128.1 | 8 | 74.7 | 74.7 | 14.4 | 74.7 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 130.8 | 9 | 74.4 | 74.4 | 14.6 | 74.4 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 133.5 | 10 | 74 | 74 | 14.7 | 74 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 136.2 | 11 | 73.7 | 73.7 | 14.8 | 73.7 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 138.9 | 12 | 73.4 | 73.4 | 15 | 73.4 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 141.6 | 13 | 73.1 | 73.1 | 15.1 | 73.1 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 144.3 | 14 | 72.9 | 72.9 | 15.2 | 72.9 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 147 | 15 | 72.6 | 72.6 | 15.3 | 72.6 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 149.7 | 16 | 72.3 | 72.3 | 15.4 | 72.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 152.4 | 17 | 72.1 | 72.1 | 15.6 | 72.1 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 155.1 | 18 | 71.9 | 71.9 | 15.6 | 71.9 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 157.8 | 19 | 71.7 | 71.7 | 15.7 | 71.7 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 160.5 | 20 | 71.5 | 71.5 | 15.9 | 71.5 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 163.2 | 21 | 71.3 | 71.3 | 16 | 71.3 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 165.9 | 22 | 71.1 | 71.1 | 16.1 | 71.1 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 168.6 | 23 | 70.9 | 70.9 | 16.3 | 70.9 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 171.3 | 24 | 70.8 | 70.8 | 16.4 | 70.8 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 174 | 25 | 70.6 | 70.6 | 16.5 | 70.6 | 70 | Y | 0 | N | N | N | 3 | 0 | 0 |
| NTTE-106 | 176.7 | 26 | 70.4 | 70.4 | 16.6 | 70.4 | 70 | N | 0 | N | N | N | 3 | 0 | 0 |
| | | | | | | | | | | | | **Total** | **14931** | **1112** | **892** |

Note:
[1] Dwellings and classrooms will benefit from noise mitigation measures are those exposed to overall road traffic noise exceeding noise standards stipulated in the EIAO-TM under nmitigated scenario and be benefited at least 1.0 dB(A) from the implementation of the noise mitigation measures.
[2] Dwellings and classrooms protected by noise mitigation measures are those exposed to overall road traffic noise exceeding noise standards stipulated in the EIAO-TM under unmitigated scenario and exposed to overall road traffic noise compiling with the noise standards stipulated in the EIAO-TM with the implementation of the noise mitigation measures.