

# Appendix C

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Noise Measurement Data and Road Construction Emissions Model Outputs

Freq weight : A  
 Time weight : SLOW  
 Level Range : 40-100  
 Max dB : 76.3 - 2021/04/14 10:10:58  
 Level Range : 40-100  
 SEL : 89.8  
 Leq : 60.3

| No.s | Date Time           | (dB) |      |      |      |      |
|------|---------------------|------|------|------|------|------|
| 1    | 2021/04/14 10:08:46 | 69.9 | 63.4 | 61.5 | 61.3 | 56.7 |
| 6    | 2021/04/14 10:09:01 | 53.5 | 52.3 | 49.4 | 48.8 | 47.5 |
| 11   | 2021/04/14 10:09:16 | 47.6 | 48.1 | 46.4 | 52.4 | 48.2 |
| 16   | 2021/04/14 10:09:31 | 46.1 | 45.1 | 43.1 | 47.1 | 45.7 |
| 21   | 2021/04/14 10:09:46 | 51.4 | 50.9 | 48.6 | 49.4 | 50.9 |
| 26   | 2021/04/14 10:10:01 | 50.2 | 47.7 | 46.5 | 46.2 | 48.6 |
| 31   | 2021/04/14 10:10:16 | 46.9 | 49.2 | 50.9 | 50.8 | 48.1 |
| 36   | 2021/04/14 10:10:31 | 49.6 | 50.5 | 48.0 | 49.3 | 50.0 |
| 41   | 2021/04/14 10:10:46 | 55.9 | 61.4 | 66.5 | 76.1 | 69.9 |
| 46   | 2021/04/14 10:11:01 | 64.7 | 65.2 | 62.9 | 60.4 | 54.4 |
| 51   | 2021/04/14 10:11:16 | 52.6 | 52.5 | 58.2 | 64.1 | 58.5 |
| 56   | 2021/04/14 10:11:31 | 57.4 | 61.7 | 60.7 | 55.5 | 55.2 |
| 61   | 2021/04/14 10:11:46 | 48.5 | 48.3 | 51.0 | 57.8 | 60.2 |
| 66   | 2021/04/14 10:12:01 | 56.8 | 51.5 | 61.4 | 54.2 | 62.5 |
| 71   | 2021/04/14 10:12:16 | 73.8 | 66.0 | 57.9 | 51.7 | 48.2 |
| 76   | 2021/04/14 10:12:31 | 46.5 | 46.6 | 45.7 | 45.2 | 44.8 |
| 81   | 2021/04/14 10:12:46 | 48.0 | 52.9 | 62.6 | 63.8 | 57.8 |
| 86   | 2021/04/14 10:13:01 | 55.4 | 53.7 | 60.7 | 64.0 | 57.6 |
| 91   | 2021/04/14 10:13:16 | 51.0 | 49.7 | 49.6 | 47.3 | 48.8 |
| 96   | 2021/04/14 10:13:31 | 46.1 | 45.7 | 45.7 | 46.4 | 45.4 |
| 101  | 2021/04/14 10:13:46 | 45.4 | 50.5 | 59.6 | 64.1 | 58.1 |
| 106  | 2021/04/14 10:14:01 | 53.6 | 50.1 | 45.9 | 52.9 | 57.1 |
| 111  | 2021/04/14 10:14:16 | 68.6 | 69.7 | 65.9 | 64.7 | 58.6 |
| 116  | 2021/04/14 10:14:31 | 52.8 | 47.2 | 46.0 | 45.2 | 43.1 |
| 121  | 2021/04/14 10:14:46 | 43.0 | 45.5 | 47.0 | 47.3 | 53.8 |
| 126  | 2021/04/14 10:15:01 | 67.1 | 69.3 | 64.7 | 59.3 | 53.8 |
| 131  | 2021/04/14 10:15:16 | 48.3 | 47.1 | 46.1 | 45.7 | 48.4 |
| 136  | 2021/04/14 10:15:31 | 49.0 | 50.3 | 50.4 | 54.6 | 51.2 |
| 141  | 2021/04/14 10:15:46 | 52.7 | 60.7 | 63.3 | 56.3 | 51.5 |
| 146  | 2021/04/14 10:16:01 | 48.5 | 48.3 | 46.7 | 49.1 | 61.2 |
| 151  | 2021/04/14 10:16:16 | 68.6 | 69.9 | 63.4 | 55.9 | 48.4 |
| 156  | 2021/04/14 10:16:31 | 47.5 | 47.6 | 47.6 | 49.7 | 48.3 |
| 161  | 2021/04/14 10:16:46 | 47.4 | 48.7 | 49.4 | 51.4 | 54.9 |
| 166  | 2021/04/14 10:17:01 | 49.0 | 46.6 | 47.3 | 49.2 | 50.2 |
| 171  | 2021/04/14 10:17:16 | 48.6 | 47.5 | 47.2 | 46.4 | 47.0 |
| 176  | 2021/04/14 10:17:31 | 53.4 | 64.0 | 61.2 | 52.9 | 48.3 |
| 181  | 2021/04/14 10:17:46 | 49.6 | 54.9 | 67.6 | 65.0 | 56.3 |
| 186  | 2021/04/14 10:18:01 | 50.3 | 51.7 | 52.4 | 52.5 | 50.3 |
| 191  | 2021/04/14 10:18:16 | 46.4 | 45.4 | 45.5 | 45.1 | 46.2 |
| 196  | 2021/04/14 10:18:31 | 46.9 | 49.3 | 51.0 | 52.6 | 52.0 |
| 201  | 2021/04/14 10:18:46 | 54.8 | 62.9 | 61.2 | 67.0 | 64.2 |
| 206  | 2021/04/14 10:19:01 | 58.6 | 52.4 | 63.6 | 67.9 | 59.4 |
| 211  | 2021/04/14 10:19:16 | 50.0 | 45.8 | 45.7 | 45.4 | 46.0 |
| 216  | 2021/04/14 10:19:31 | 46.9 | 50.8 | 51.6 | 51.6 | 48.6 |
| 221  | 2021/04/14 10:19:46 | 52.2 | 52.9 | 52.0 | 59.2 | 66.8 |
| 226  | 2021/04/14 10:20:01 | 60.1 | 54.2 | 49.9 | 49.5 | 48.3 |
| 231  | 2021/04/14 10:20:16 | 47.8 | 48.0 | 50.5 | 50.5 | 53.4 |
| 236  | 2021/04/14 10:20:31 | 56.8 | 55.4 | 52.4 | 51.0 | 48.3 |
| 241  | 2021/04/14 10:20:46 | 47.8 | 47.8 | 49.1 | 52.2 | 66.2 |
| 246  | 2021/04/14 10:21:01 | 66.5 | 61.5 | 57.2 | 55.7 | 52.4 |
| 251  | 2021/04/14 10:21:16 | 49.9 | 52.7 | 53.0 | 52.8 | 60.7 |
| 256  | 2021/04/14 10:21:31 | 64.6 | 57.0 | 53.2 | 48.3 | 47.5 |
| 261  | 2021/04/14 10:21:46 | 49.7 | 49.4 | 46.4 | 46.0 | 47.4 |
| 266  | 2021/04/14 10:22:01 | 51.0 | 66.3 | 63.9 | 56.5 | 48.6 |
| 271  | 2021/04/14 10:22:16 | 48.2 | 48.1 | 50.3 | 52.7 | 54.9 |
| 276  | 2021/04/14 10:22:31 | 54.2 | 50.3 | 47.3 | 45.8 | 49.9 |
| 281  | 2021/04/14 10:22:46 | 48.9 | 48.2 | 51.1 | 66.0 | 67.8 |
| 286  | 2021/04/14 10:23:01 | 67.4 | 61.6 | 57.4 | 50.7 | 56.2 |
| 291  | 2021/04/14 10:23:16 | 68.6 | 69.5 | 66.2 | 59.3 | 53.5 |
| 296  | 2021/04/14 10:23:31 | 49.1 | 46.5 | 45.9 | 46.1 | 47.3 |

Freq weight : A  
 Time weight : SLOW  
 Level Range : 40-100  
 Max dB : 82.7 - 2021/04/14 10:41:05  
 Level Range : 40-100  
 SEL : 95.3  
 Leq : 65.8

| No.s | Date Time           | (dB) |      |      |      |      |  |
|------|---------------------|------|------|------|------|------|--|
| 1    | 2021/04/14 10:39:42 | 51.2 | 53.0 | 61.7 | 65.4 | 58.5 |  |
| 6    | 2021/04/14 10:39:57 | 54.8 | 51.3 | 48.9 | 48.5 | 51.3 |  |
| 11   | 2021/04/14 10:40:12 | 56.0 | 70.5 | 71.0 | 69.3 | 64.0 |  |
| 16   | 2021/04/14 10:40:27 | 63.5 | 62.8 | 57.8 | 54.1 | 51.8 |  |
| 21   | 2021/04/14 10:40:42 | 52.6 | 53.5 | 62.5 | 59.9 | 62.5 |  |
| 26   | 2021/04/14 10:40:57 | 68.3 | 71.7 | 82.6 | 73.1 | 64.1 |  |
| 31   | 2021/04/14 10:41:12 | 61.3 | 56.5 | 58.5 | 59.7 | 55.1 |  |
| 36   | 2021/04/14 10:41:27 | 57.0 | 71.8 | 64.0 | 59.7 | 65.8 |  |
| 41   | 2021/04/14 10:41:42 | 65.2 | 59.8 | 56.0 | 51.9 | 53.9 |  |
| 46   | 2021/04/14 10:41:57 | 56.9 | 57.2 | 62.2 | 58.2 | 52.9 |  |
| 51   | 2021/04/14 10:42:12 | 49.4 | 49.9 | 51.3 | 50.9 | 50.7 |  |
| 56   | 2021/04/14 10:42:27 | 51.1 | 53.2 | 53.1 | 58.4 | 59.9 |  |
| 61   | 2021/04/14 10:42:42 | 68.8 | 68.1 | 62.4 | 58.4 | 64.6 |  |
| 66   | 2021/04/14 10:42:57 | 68.4 | 71.4 | 72.1 | 64.7 | 62.2 |  |
| 71   | 2021/04/14 10:43:12 | 60.1 | 69.9 | 67.1 | 59.1 | 55.5 |  |
| 76   | 2021/04/14 10:43:27 | 62.6 | 57.9 | 53.4 | 51.9 | 53.5 |  |
| 81   | 2021/04/14 10:43:42 | 63.3 | 66.5 | 71.8 | 71.0 | 69.1 |  |
| 86   | 2021/04/14 10:43:57 | 65.6 | 59.9 | 55.5 | 53.7 | 53.3 |  |
| 91   | 2021/04/14 10:44:12 | 55.0 | 60.0 | 66.9 | 59.8 | 54.7 |  |
| 96   | 2021/04/14 10:44:27 | 55.5 | 60.3 | 65.4 | 59.8 | 54.6 |  |
| 101  | 2021/04/14 10:44:42 | 56.8 | 68.2 | 64.5 | 69.5 | 66.1 |  |
| 106  | 2021/04/14 10:44:57 | 70.5 | 64.3 | 58.3 | 52.2 | 50.8 |  |
| 111  | 2021/04/14 10:45:12 | 51.2 | 51.9 | 53.2 | 51.7 | 51.7 |  |
| 116  | 2021/04/14 10:45:27 | 59.9 | 61.5 | 70.1 | 63.2 | 60.0 |  |
| 121  | 2021/04/14 10:45:42 | 53.6 | 53.0 | 59.3 | 63.3 | 59.0 |  |
| 126  | 2021/04/14 10:45:57 | 61.8 | 58.2 | 54.0 | 56.5 | 60.8 |  |
| 131  | 2021/04/14 10:46:12 | 57.1 | 55.6 | 53.6 | 53.6 | 53.0 |  |
| 136  | 2021/04/14 10:46:27 | 53.1 | 54.2 | 54.7 | 57.2 | 68.6 |  |
| 141  | 2021/04/14 10:46:42 | 70.9 | 63.7 | 62.5 | 61.5 | 59.3 |  |
| 146  | 2021/04/14 10:46:57 | 58.8 | 68.3 | 68.5 | 63.6 | 60.7 |  |
| 151  | 2021/04/14 10:47:12 | 56.8 | 57.6 | 59.7 | 64.4 | 61.1 |  |
| 156  | 2021/04/14 10:47:27 | 63.5 | 61.4 | 55.2 | 59.7 | 59.6 |  |
| 161  | 2021/04/14 10:47:42 | 67.4 | 71.5 | 66.7 | 70.7 | 64.7 |  |
| 166  | 2021/04/14 10:47:57 | 61.6 | 54.9 | 55.8 | 69.0 | 67.6 |  |
| 171  | 2021/04/14 10:48:12 | 67.6 | 65.1 | 70.3 | 66.3 | 65.7 |  |
| 176  | 2021/04/14 10:48:27 | 60.2 | 55.3 | 61.2 | 62.7 | 64.2 |  |
| 181  | 2021/04/14 10:48:42 | 77.8 | 73.9 | 69.1 | 65.7 | 58.9 |  |
| 186  | 2021/04/14 10:48:57 | 57.2 | 53.9 | 51.9 | 52.3 | 51.0 |  |
| 191  | 2021/04/14 10:49:12 | 50.5 | 49.5 | 48.9 | 49.7 | 48.7 |  |
| 196  | 2021/04/14 10:49:27 | 51.6 | 54.4 | 63.8 | 74.0 | 78.7 |  |
| 201  | 2021/04/14 10:49:42 | 73.8 | 67.4 | 67.6 | 64.4 | 62.4 |  |
| 206  | 2021/04/14 10:49:57 | 61.7 | 67.8 | 66.7 | 67.4 | 66.7 |  |
| 211  | 2021/04/14 10:50:12 | 62.1 | 55.1 | 54.2 | 58.0 | 73.2 |  |
| 216  | 2021/04/14 10:50:27 | 67.0 | 68.4 | 70.1 | 64.4 | 61.6 |  |
| 221  | 2021/04/14 10:50:42 | 57.6 | 68.7 | 62.5 | 61.6 | 54.5 |  |
| 226  | 2021/04/14 10:50:57 | 50.5 | 49.3 | 51.3 | 50.2 | 50.2 |  |
| 231  | 2021/04/14 10:51:12 | 50.2 | 55.0 | 70.2 | 69.2 | 67.2 |  |
| 236  | 2021/04/14 10:51:27 | 62.5 | 57.4 | 54.3 | 62.9 | 64.4 |  |
| 241  | 2021/04/14 10:51:42 | 64.4 | 62.9 | 63.7 | 67.2 | 63.8 |  |
| 246  | 2021/04/14 10:51:57 | 58.3 | 54.2 | 57.6 | 69.7 | 68.3 |  |
| 251  | 2021/04/14 10:52:12 | 61.1 | 59.1 | 55.3 | 63.9 | 65.8 |  |
| 256  | 2021/04/14 10:52:27 | 61.2 | 58.0 | 57.6 | 59.8 | 75.2 |  |
| 261  | 2021/04/14 10:52:42 | 68.9 | 69.1 | 66.5 | 69.5 | 64.5 |  |
| 266  | 2021/04/14 10:52:57 | 59.9 | 56.4 | 52.4 | 54.2 | 61.7 |  |
| 271  | 2021/04/14 10:53:12 | 59.2 | 53.1 | 49.8 | 52.6 | 62.0 |  |
| 276  | 2021/04/14 10:53:27 | 68.3 | 65.4 | 64.5 | 71.0 | 65.2 |  |
| 281  | 2021/04/14 10:53:42 | 58.6 | 53.0 | 51.4 | 50.9 | 54.2 |  |
| 286  | 2021/04/14 10:53:57 | 55.0 | 54.5 | 51.4 | 51.7 | 57.4 |  |
| 291  | 2021/04/14 10:54:12 | 72.3 | 66.8 | 64.1 | 56.0 | 69.8 |  |
| 296  | 2021/04/14 10:54:27 | 64.5 | 67.3 | 60.1 | 72.1 | 66.7 |  |