

ISO A1 594mm x 841mm
Approved:
Checked:
Designer:
Project Management Initials:
Plot File by: jvnce.chen11.2021.10.8
PATH: P:\PROJECTS\60579757\DRAWING\REPORT\R04\R04_701.dgn

| NAP ID | Noise Criteria, L10(1 hr), dB(A) | Predicted Unmitigated Overall Noise Level, dB(A) |
|--------|----------------------------------|--|
| PTV | 70 | 66-67 |
| PT | 65 | 62 |
| HCH | 70 | 67-69 |
| LTSC | 65 | 70 |
| SMGC | 65 | 67-69 |
| MSC1 | 70 | 70-72 |
| MWH1 | | |
| MWH2 | 70 | 58-72 |
| MWH3 | | |
| MYH1 | | |
| MYH2 | 70 | 64-71 |
| SCPS1 | | |
| SCPS2 | 65 | 63-68 |
| WWTC1 | | |
| WWTC2 | 65 | 65-75 |
| MTH1 | | |
| MTH2 | | |
| MTH3 | 70 | 63-74 |
| MTH4 | | |
| MTH5 | | |

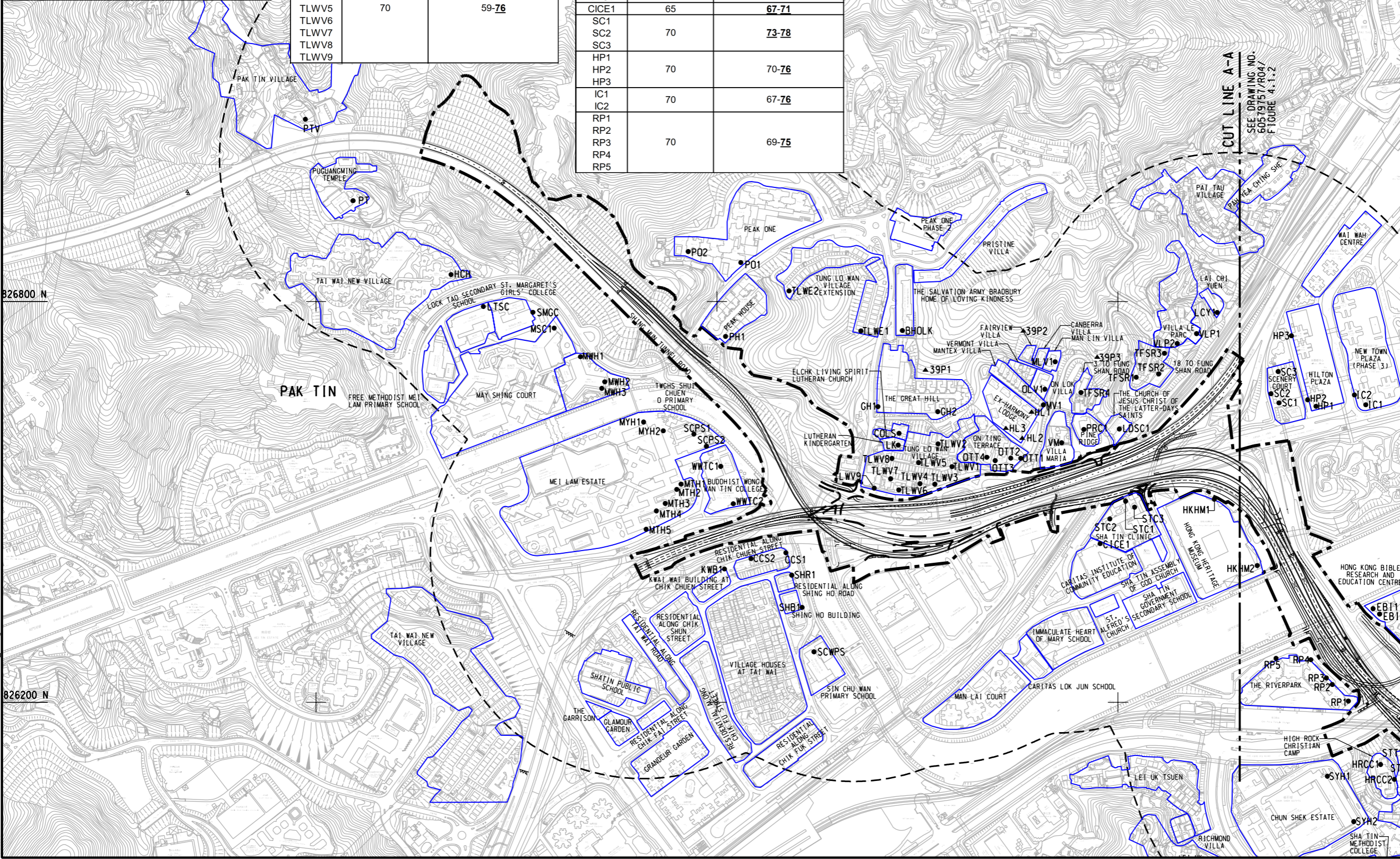
| NAP ID | Noise Criteria, L10(1 hr), dB(A) | Predicted Unmitigated Overall Noise Level, dB(A) |
|--------|----------------------------------|--|
| KWB1 | 70 | 75-76 |
| CCS1 | 70 | 75-76 |
| SHR1 | 70 | 73 |
| SHB1 | 70 | 70 |
| SCWPS | 65 | 61-67 |
| PO1 | 70 | 62-74 |
| PO2 | 70 | 62-74 |
| PH1 | 70 | 64-71 |
| TLWE1 | 70 | 65-69 |
| TLWE2 | 70 | 65-69 |
| BHOLK | 55 | 61-68 |
| GH1 | | |
| GH2 | 70 | 64-74 |
| COLS | 65 | 71-72 |
| COLS | 65 | 68-70 |
| LK | | |
| TLWV1 | | |
| TLWV2 | | |
| TLWV3 | | |
| TLWV4 | | |
| TLWV5 | 70 | 59-76 |
| TLWV6 | | |
| TLWV7 | | |
| TLWV8 | | |
| TLWV9 | | |

| NAP ID | Noise Criteria, L10(1 hr), dB(A) | Predicted Unmitigated Overall Noise Level, dB(A) |
|--------|----------------------------------|--|
| OTT1 | | |
| OTT2 | | |
| OTT3 | 70 | 72-76 |
| OTT4 | | |
| MV1 | 70 | 68-70 |
| OLV1 | 70 | 68-71 |
| MLV1 | 70 | 68-70 |
| VM | 70 | 69-71 |
| TFSR1 | | |
| TFSR2 | | |
| TFSR3 | 70 | 68-76 |
| TFSR4 | | |
| PRC1 | 65 | 70-71 |
| LDSC1 | 65 | 68-69 |
| VLP1 | 70 | 72-74 |
| VLP2 | 70 | 72-74 |
| LCY1 | 70 | 70-71 |
| STC1 | | |
| STC2 | 55 ⁽⁵⁾ | 70-72 |
| STC3 | | |
| CICE1 | 65 | 67-71 |
| SC1 | | |
| SC2 | 70 | 73-78 |
| SC3 | | |
| HP1 | | |
| HP2 | 70 | 70-76 |
| HP3 | | |
| IC1 | | |
| IC2 | 70 | 67-76 |
| RP1 | | |
| RP2 | | |
| RP3 | 70 | 69-75 |
| RP4 | | |
| RP5 | | |

NOTE:
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NO. 60579757/R04/FIGURE 4.1-2.

LEGEND:

- PROJECT BOUNDARY
- - - BOUNDARY OF 300m ASSESSMENT AREA
- NOISE SENSITIVE RECEIVERS
- N1 EXISTING NOISE ASSESSMENT POINTS
- ▲ PN1 PLANNED NOISE ASSESSMENT POINTS



AECOM

PROJECT
REVISED TRUNK ROAD T4 IN SHA TIN

CLIENT
CEDD 土木工程拓展署
Civil Engineering and Development Department

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS
分列工程顧問公司

| IR | DATE | DESCRIPTION | CHK. |
|----|------|-------------|------|
| | | | |
| | | | |
| | | | |
| | | | |

STATUS

SCALE
A3 1:6000

DIMENSION UNIT
METRES

KEY PLAN

PROJECT NO.
60579757

AGREEMENT NO.
CE8/2018 (HY)

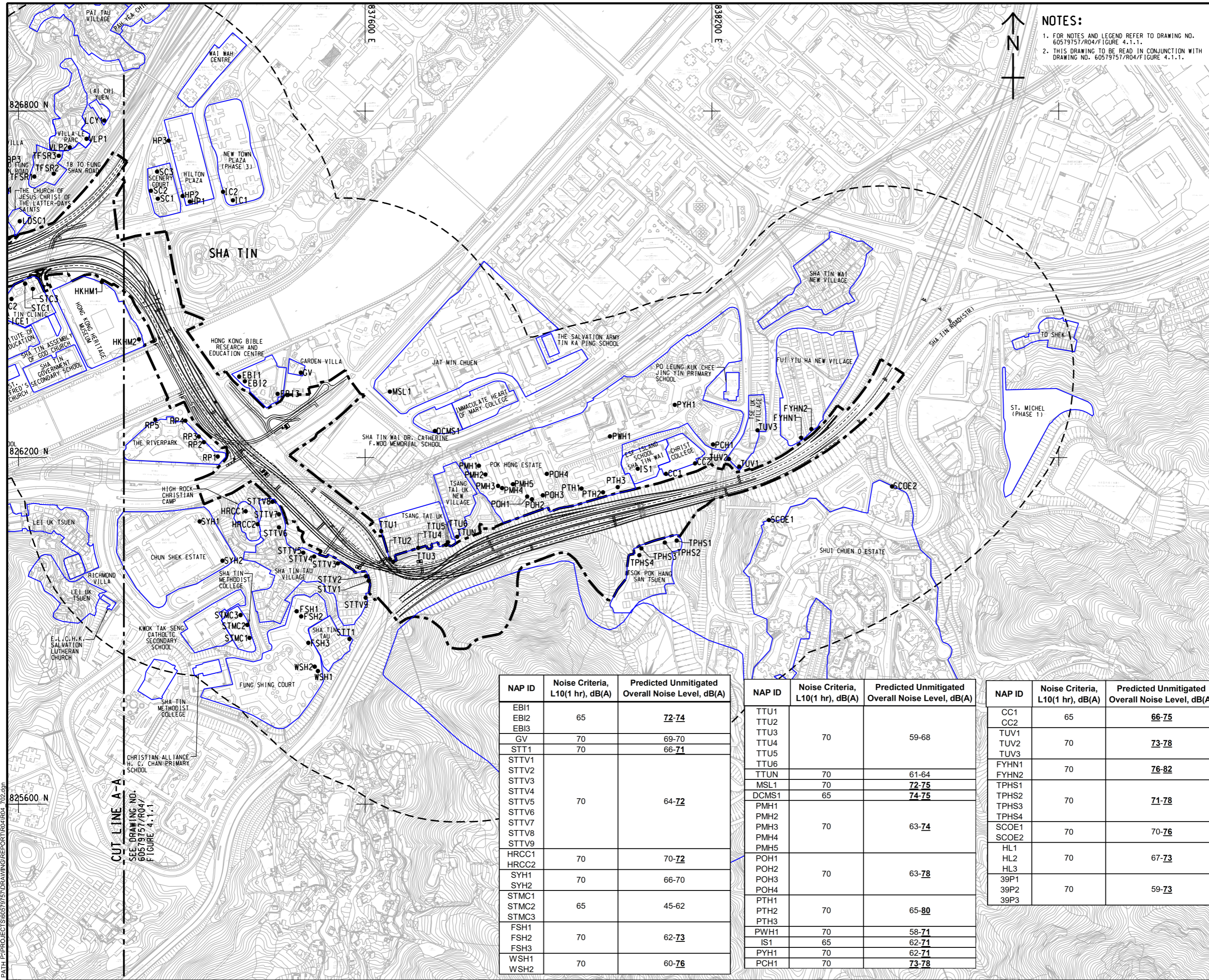
SHEET TITLE
LOCATION OF NOISE SENSITIVE RECEIVERS

SHEET NUMBER
60579757/R04/FIGURE 4.1.1

SHEET 1 OF 2

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ISO A1 594mm x 841mm
Approved: _____
Checked: _____
Designer: _____
Project Management Initials: _____
Plot File by: jvoce.chen11.2021.107
PATH PROJECTS\60579757\DRAWING\REPORT\R04\R04_702.dgn



NOTES:
1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60579757/R04/FIGURE 4.1.1.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NO. 60579757/R04/FIGURE 4.1.1.

AECOM

PROJECT
項目

**REVISED TRUNK ROAD
T4 IN SHA TIN**

CLIENT
業主

CEDD 土木工程拓展署
Civil Engineering and
Development Department

CONSULTANT
顧問公司

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS
分判工程顧問公司

ISSUE/REVISION
修訂

| IR | DATE | DESCRIPTION | CHK. |
|----|------|-------------|------|
| | | | |
| | | | |
| | | | |
| | | | |

STATUS
階段

SCALE
比例

A3 1 : 6000

DIMENSION UNIT
尺寸單位

METRES

KEY PLAN
索引圖

PROJECT NO.
項目編號

60579757

AGREEMENT NO.
協議編號

CE8/2018 (HY)

SHEET TITLE
圖紙名稱

LOCATION OF NOISE SENSITIVE
RECEIVERS

SHEET NUMBER
圖紙編號

60579757/R04/FIGURE 4.1.2

| NAP ID | Noise Criteria, L10(1 hr), dB(A) | Predicted Unmitigated Overall Noise Level, dB(A) |
|--------|----------------------------------|--|
| EBI1 | 65 | 72-74 |
| EBI2 | | |
| EBI3 | | |
| GV | 70 | 69-70 |
| STT1 | 70 | 66-71 |
| STTV1 | 70 | 64-72 |
| STTV2 | | |
| STTV3 | | |
| STTV4 | | |
| STTV5 | | |
| STTV6 | | |
| STTV7 | | |
| STTV8 | | |
| STTV9 | | |
| HRCC1 | 70 | 70-72 |
| HRCC2 | 70 | 70-72 |
| SYH1 | 70 | 66-70 |
| SYH2 | 70 | 66-70 |
| STMC1 | 65 | 45-62 |
| STMC2 | | |
| STMC3 | | |
| FSH1 | 70 | 62-73 |
| FSH2 | | |
| FSH3 | | |
| WSH1 | 70 | 60-76 |
| WSH2 | | |

| NAP ID | Noise Criteria, L10(1 hr), dB(A) | Predicted Unmitigated Overall Noise Level, dB(A) |
|--------|----------------------------------|--|
| TTU1 | 70 | 59-68 |
| TTU2 | | |
| TTU3 | | |
| TTU4 | | |
| TTU5 | | |
| TTU6 | | |
| TTUN | 70 | 61-64 |
| MSL1 | 70 | 72-75 |
| DCMS1 | 65 | 74-75 |
| PMH1 | 70 | 63-74 |
| PMH2 | | |
| PMH3 | | |
| PMH4 | | |
| PMH5 | | |
| POH1 | 70 | 63-78 |
| POH2 | | |
| POH3 | | |
| POH4 | | |
| PTH1 | 70 | 65-80 |
| PTH2 | | |
| PTH3 | | |
| PWH1 | 70 | 58-71 |
| IS1 | 65 | 62-71 |
| PYH1 | 70 | 62-71 |
| PCH1 | 70 | 73-78 |

| NAP ID | Noise Criteria, L10(1 hr), dB(A) | Predicted Unmitigated Overall Noise Level, dB(A) |
|--------|----------------------------------|--|
| CC1 | 65 | 66-75 |
| CC2 | | |
| CC3 | | |
| TUV1 | 70 | 73-78 |
| TUV2 | | |
| TUV3 | | |
| FYHN1 | 70 | 76-82 |
| FYHN2 | | |
| TPHS1 | 70 | 71-78 |
| TPHS2 | | |
| TPHS3 | | |
| TPHS4 | | |
| SCOE1 | 70 | 70-76 |
| SCOE2 | | |
| HL1 | 70 | 67-73 |
| HL2 | | |
| HL3 | | |
| 39P1 | 70 | 59-73 |
| 39P2 | | |
| 39P3 | | |

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Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | PTV | 1 | 56.2 | 70 | 65.8 | 24.8 | 65.8 | N | N | 0.0 | N |
| | | 2 | 59 | 70 | 66.7 | 27.0 | 66.7 | N | N | 0.0 | N |
| Place of Public Worship | PT | 1 | 36.9 | 65 | 61.5 | 36.5 | 61.5 | N | N | 0.0 | N |
| | | 2 | 39.9 | 65 | 61.9 | 36.9 | 61.9 | N | N | 0.0 | N |
| Domestic Premises | HCH | 1 | 19.7 | 70 | 68.6 | 41.3 | 68.6 | N | N | 0.0 | N |
| | | 2 | 22.5 | 70 | 68.5 | 42.2 | 68.5 | N | N | 0.0 | N |
| | | 3 | 25.3 | 70 | 68.4 | 42.9 | 68.4 | N | N | 0.0 | N |
| | | 4 | 28.1 | 70 | 68.3 | 43.4 | 68.3 | N | N | 0.0 | N |
| | | 5 | 30.9 | 70 | 68.1 | 43.8 | 68.2 | N | N | 0.1 | N |
| | | 6 | 33.7 | 70 | 68.0 | 44.2 | 68.1 | N | N | 0.1 | N |
| | | 7 | 36.5 | 70 | 67.9 | 44.7 | 67.9 | N | N | 0.0 | N |
| | | 8 | 39.3 | 70 | 67.8 | 45.2 | 67.8 | N | N | 0.0 | N |
| | | 9 | 42.1 | 70 | 67.6 | 45.7 | 67.7 | N | N | 0.1 | N |
| | | 10 | 44.9 | 70 | 67.5 | 46.2 | 67.6 | N | N | 0.1 | N |
| | | 11 | 47.7 | 70 | 67.4 | 46.8 | 67.4 | N | N | 0.0 | N |
| | | 12 | 50.5 | 70 | 67.3 | 47.3 | 67.3 | N | N | 0.0 | N |
| | | 13 | 53.3 | 70 | 67.2 | 47.9 | 67.3 | N | N | 0.1 | N |
| | | 14 | 56.1 | 70 | 67.1 | 48.5 | 67.2 | N | N | 0.1 | N |
| | | 15 | 58.9 | 70 | 67.1 | 49.2 | 67.2 | N | N | 0.1 | N |
| | | 16 | 61.7 | 70 | 67.1 | 49.8 | 67.2 | N | N | 0.1 | N |
| | | 17 | 64.5 | 70 | 67.1 | 50.6 | 67.2 | N | N | 0.1 | N |
| | | 18 | 67.3 | 70 | 67.1 | 51.4 | 67.2 | N | N | 0.1 | N |
| | | 19 | 70.1 | 70 | 67.1 | 52.1 | 67.3 | N | N | 0.2 | N |
| | | 20 | 72.9 | 70 | 67.2 | 52.9 | 67.4 | N | N | 0.2 | N |
| | | 21 | 75.7 | 70 | 67.3 | 53.6 | 67.5 | N | N | 0.2 | N |
| | | 22 | 78.5 | 70 | 67.5 | 54.2 | 67.7 | N | N | 0.2 | N |
| | | 23 | 81.3 | 70 | 67.7 | 54.9 | 67.9 | N | N | 0.2 | N |
| | | 24 | 84.1 | 70 | 68.0 | 55.3 | 68.2 | N | N | 0.2 | N |
| | | 25 | 86.9 | 70 | 68.2 | 55.7 | 68.5 | N | N | 0.3 | N |
| | | 26 | 89.7 | 70 | 68.5 | 56.1 | 68.7 | N | N | 0.2 | N |
| | | 27 | 92.5 | 70 | 68.8 | 56.3 | 69.0 | N | N | 0.2 | N |
| Educational Institutions | LTSC | 1 | 10.1 | 65 | 69.9 | 0.0 | 69.9 | Y | N | 0.0 | N |
| | | 2 | 12.9 | 65 | 69.9 | 0.0 | 69.9 | Y | N | 0.0 | N |
| | | 3 | 15.7 | 65 | 69.9 | 0.0 | 69.9 | Y | N | 0.0 | N |
| | | 4 | 18.5 | 65 | 69.9 | 0.0 | 69.9 | Y | N | 0.0 | N |
| | | 5 | 21.3 | 65 | 69.8 | 0.0 | 69.8 | Y | N | 0.0 | N |
| | | 6 | 24.1 | 65 | 69.7 | 0.0 | 69.7 | Y | N | 0.0 | N |
| Educational Institutions | SMGC | 1 | 10.1 | 65 | 67.4 | 44.2 | 67.4 | Y | N | 0.0 | N |
| | | 2 | 12.9 | 65 | 68.4 | 45.5 | 68.4 | Y | N | 0.0 | N |
| | | 3 | 15.7 | 65 | 69.3 | 46.1 | 69.3 | Y | N | 0.0 | N |
| | | 4 | 18.5 | 65 | 69.3 | 46.6 | 69.3 | Y | N | 0.0 | N |
| | | 5 | 21.3 | 65 | 69.3 | 47.1 | 69.3 | Y | N | 0.0 | N |
| | | 6 | 24.1 | 65 | 69.2 | 47.6 | 69.2 | Y | N | 0.0 | N |
| Domestic Premises | MSC1 | 1 | 12.8 | 70 | 71.0 | 46.8 | 71.0 | Y | N | 0.0 | N |
| | | 2 | 15.6 | 70 | 71.0 | 47.3 | 71.0 | Y | N | 0.0 | N |
| | | 3 | 18.4 | 70 | 70.9 | 47.8 | 71.0 | Y | N | 0.1 | N |
| | | 4 | 21.2 | 70 | 70.8 | 48.4 | 70.8 | Y | N | 0.0 | N |
| | | 5 | 24 | 70 | 70.7 | 49.0 | 70.7 | Y | N | 0.0 | N |
| | | 6 | 26.8 | 70 | 70.6 | 49.6 | 70.6 | Y | N | 0.0 | N |
| | | 7 | 29.6 | 70 | 70.4 | 50.3 | 70.5 | Y | N | 0.1 | N |
| | | 8 | 32.4 | 70 | 70.3 | 50.9 | 70.4 | N | N | 0.1 | N |
| | | 9 | 35.2 | 70 | 70.2 | 51.6 | 70.2 | N | N | 0.0 | N |
| | | 10 | 38 | 70 | 70.1 | 52.3 | 70.1 | N | N | 0.0 | N |
| | | 11 | 40.8 | 70 | 70.0 | 53.0 | 70.1 | N | N | 0.1 | N |
| | | 12 | 43.6 | 70 | 69.9 | 53.9 | 70.0 | N | N | 0.1 | N |
| | | 13 | 46.4 | 70 | 69.8 | 54.8 | 70.0 | N | N | 0.2 | N |
| | | 14 | 49.2 | 70 | 69.8 | 55.7 | 69.9 | N | N | 0.1 | N |
| | | 15 | 52 | 70 | 69.7 | 56.8 | 69.9 | N | N | 0.2 | N |
| | | 16 | 54.8 | 70 | 69.7 | 57.9 | 70.0 | N | N | 0.3 | N |
| | | 17 | 57.6 | 70 | 69.8 | 59.1 | 70.1 | N | N | 0.3 | N |
| | | 18 | 60.4 | 70 | 69.9 | 60.1 | 70.4 | N | N | 0.5 | N |
| | | 19 | 63.2 | 70 | 70.1 | 61.1 | 70.6 | Y | N | 0.5 | N |
| | | 20 | 66 | 70 | 70.3 | 61.7 | 70.9 | Y | N | 0.6 | N |
| | | 21 | 68.8 | 70 | 70.6 | 62.3 | 71.2 | Y | N | 0.6 | N |
| | | 22 | 71.6 | 70 | 70.8 | 62.6 | 71.4 | Y | N | 0.6 | N |
| | | 23 | 74.4 | 70 | 71.0 | 62.9 | 71.6 | Y | N | 0.6 | N |
| | | 24 | 77.2 | 70 | 71.2 | 63.0 | 71.8 | Y | N | 0.6 | N |
| | | 25 | 80 | 70 | 71.3 | 63.1 | 71.9 | Y | N | 0.6 | N |
| | | 26 | 82.8 | 70 | 71.4 | 63.3 | 72.0 | Y | N | 0.6 | N |
| | | 27 | 85.6 | 70 | 71.5 | 63.3 | 72.1 | Y | N | 0.6 | N |
| | | 28 | 88.4 | 70 | 71.5 | 63.4 | 72.1 | Y | N | 0.6 | N |
| | | 29 | 91.2 | 70 | 71.6 | 63.4 | 72.2 | Y | N | 0.6 | N |
| | | 30 | 94 | 70 | 71.6 | 63.4 | 72.2 | Y | N | 0.6 | N |
| | | 31 | 96.8 | 70 | 71.7 | 63.4 | 72.3 | Y | N | 0.6 | N |
| | | 32 | 99.6 | 70 | 71.7 | 63.4 | 72.3 | Y | N | 0.6 | N |
| | | 33 | 102.4 | 70 | 71.7 | 63.4 | 72.3 | Y | N | 0.6 | N |
| | | 34 | 105.2 | 70 | 71.8 | 63.4 | 72.3 | Y | N | 0.5 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | MWH1 | 1 | 13.1 | 70 | <u>71.2</u> | 48.3 | <u>71.2</u> | Y | N | 0.0 | N |
| | | 2 | 15.9 | 70 | <u>71.4</u> | 48.9 | <u>71.4</u> | Y | N | 0.0 | N |
| | | 3 | 18.7 | 70 | <u>71.2</u> | 49.4 | <u>71.3</u> | Y | N | 0.1 | N |
| | | 4 | 21.5 | 70 | <u>71.2</u> | 50.0 | <u>71.2</u> | Y | N | 0.0 | N |
| | | 5 | 24.3 | 70 | <u>71.0</u> | 50.6 | <u>71.0</u> | Y | N | 0.0 | N |
| | | 6 | 27.1 | 70 | <u>70.7</u> | 51.3 | <u>70.8</u> | Y | N | 0.1 | N |
| | | 7 | 29.9 | 70 | <u>70.5</u> | 51.9 | <u>70.5</u> | Y | N | 0.0 | N |
| | | 8 | 32.7 | 70 | <u>70.3</u> | 52.6 | <u>70.3</u> | N | N | 0.0 | N |
| | | 9 | 35.5 | 70 | <u>70.0</u> | 53.3 | <u>70.1</u> | N | N | 0.1 | N |
| | | 10 | 38.3 | 70 | <u>69.8</u> | 54.1 | <u>70.0</u> | N | N | 0.2 | N |
| | | 11 | 41.1 | 70 | <u>69.7</u> | 54.9 | <u>69.8</u> | N | N | 0.1 | N |
| | | 12 | 43.9 | 70 | <u>69.5</u> | 55.8 | <u>69.7</u> | N | N | 0.2 | N |
| | | 13 | 46.7 | 70 | <u>69.4</u> | 56.7 | <u>69.6</u> | N | N | 0.2 | N |
| | | 14 | 49.5 | 70 | <u>69.3</u> | 57.8 | <u>69.6</u> | N | N | 0.3 | N |
| | | 15 | 52.3 | 70 | <u>69.3</u> | 58.8 | <u>69.7</u> | N | N | 0.4 | N |
| | | 16 | 55.1 | 70 | <u>69.4</u> | 59.8 | <u>69.8</u> | N | N | 0.4 | N |
| | | 17 | 57.9 | 70 | <u>69.4</u> | 60.7 | <u>70.0</u> | N | N | 0.6 | N |
| | | 18 | 60.7 | 70 | <u>69.6</u> | 61.5 | <u>70.2</u> | N | N | 0.6 | N |
| | | 19 | 63.5 | 70 | <u>69.8</u> | 62.1 | <u>70.4</u> | N | N | 0.6 | N |
| | | 20 | 66.3 | 70 | <u>70.0</u> | 62.5 | <u>70.7</u> | Y | N | 0.7 | N |
| | | 21 | 69.1 | 70 | <u>70.2</u> | 62.9 | <u>71.0</u> | Y | N | 0.8 | N |
| | | 22 | 71.9 | 70 | <u>70.4</u> | 63.1 | <u>71.1</u> | Y | N | 0.7 | N |
| | | 23 | 74.7 | 70 | <u>70.5</u> | 63.3 | <u>71.3</u> | Y | N | 0.8 | N |
| | | 24 | 77.5 | 70 | <u>70.6</u> | 63.5 | <u>71.4</u> | Y | N | 0.8 | N |
| | | 25 | 80.3 | 70 | <u>70.7</u> | 63.6 | <u>71.5</u> | Y | N | 0.8 | N |
| | | 26 | 83.1 | 70 | <u>70.8</u> | 63.7 | <u>71.6</u> | Y | N | 0.8 | N |
| | | 27 | 85.9 | 70 | <u>70.9</u> | 63.7 | <u>71.6</u> | Y | N | 0.7 | N |
| | | 28 | 88.7 | 70 | <u>70.9</u> | 63.8 | <u>71.7</u> | Y | N | 0.8 | N |
| | | 29 | 91.5 | 70 | <u>71.0</u> | 63.8 | <u>71.8</u> | Y | N | 0.8 | N |
| | | 30 | 94.3 | 70 | <u>71.0</u> | 63.8 | <u>71.8</u> | Y | N | 0.8 | N |
| | | 31 | 97.1 | 70 | <u>71.1</u> | 63.8 | <u>71.8</u> | Y | N | 0.7 | N |
| | | 32 | 99.9 | 70 | <u>71.1</u> | 63.8 | <u>71.9</u> | Y | N | 0.8 | N |
| | | 33 | 102.7 | 70 | <u>71.2</u> | 63.8 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 34 | 105.5 | 70 | <u>71.2</u> | 63.8 | <u>71.9</u> | Y | N | 0.7 | N |
| Domestic Premises | MWH2 | 1 | 13.1 | 70 | 62.5 | 49.3 | 62.7 | N | N | 0.2 | N |
| | | 2 | 15.9 | 70 | 64.1 | 49.8 | 64.2 | N | N | 0.1 | N |
| | | 3 | 18.7 | 70 | 64.8 | 50.4 | 65.0 | N | N | 0.2 | N |
| | | 4 | 21.5 | 70 | 65.4 | 51.0 | 65.6 | N | N | 0.2 | N |
| | | 5 | 24.3 | 70 | 66.1 | 51.6 | 66.2 | N | N | 0.1 | N |
| | | 6 | 27.1 | 70 | 66.7 | 52.3 | 66.9 | N | N | 0.2 | N |
| | | 7 | 29.9 | 70 | 67.1 | 53.0 | 67.3 | N | N | 0.2 | N |
| | | 8 | 32.7 | 70 | 67.3 | 53.8 | 67.4 | N | N | 0.1 | N |
| | | 9 | 35.5 | 70 | 67.4 | 54.5 | 67.6 | N | N | 0.2 | N |
| | | 10 | 38.3 | 70 | 67.4 | 55.3 | 67.7 | N | N | 0.3 | N |
| | | 11 | 41.1 | 70 | 67.4 | 56.2 | 67.7 | N | N | 0.3 | N |
| | | 12 | 43.9 | 70 | 67.5 | 57.0 | 67.8 | N | N | 0.3 | N |
| | | 13 | 46.7 | 70 | 67.5 | 57.9 | 68.0 | N | N | 0.5 | N |
| | | 14 | 49.5 | 70 | 67.6 | 58.8 | 68.1 | N | N | 0.5 | N |
| | | 15 | 52.3 | 70 | 67.7 | 59.6 | 68.3 | N | N | 0.6 | N |
| | | 16 | 55.1 | 70 | 67.8 | 60.4 | 68.5 | N | N | 0.7 | N |
| | | 17 | 57.9 | 70 | 68.0 | 61.1 | 68.8 | N | N | 0.8 | N |
| | | 18 | 60.7 | 70 | 68.2 | 61.6 | 69.1 | N | N | 0.9 | N |
| | | 19 | 63.5 | 70 | 68.5 | 62.1 | 69.4 | N | N | 0.9 | N |
| | | 20 | 66.3 | 70 | 68.6 | 62.4 | 69.6 | N | N | 1.0 | N |
| | | 21 | 69.1 | 70 | 68.8 | 62.7 | 69.8 | N | N | 1.0 | N |
| | | 22 | 71.9 | 70 | 69.0 | 62.8 | 69.9 | N | N | 0.9 | N |
| | | 23 | 74.7 | 70 | 69.1 | 63.0 | 70.1 | N | N | 1.0 | N |
| | | 24 | 77.5 | 70 | 69.2 | 63.1 | 70.2 | N | N | 1.0 | N |
| | | 25 | 80.3 | 70 | 69.3 | 63.2 | 70.3 | N | N | 1.0 | N |
| | | 26 | 83.1 | 70 | 69.4 | 63.3 | 70.3 | N | N | 0.9 | N |
| | | 27 | 85.9 | 70 | 69.5 | 63.4 | 70.4 | N | N | 0.9 | N |
| | | 28 | 88.7 | 70 | 69.5 | 63.4 | <u>70.5</u> | Y | N | 1.0 | Y |
| | | 29 | 91.5 | 70 | 69.6 | 63.5 | <u>70.6</u> | Y | N | 1.0 | Y |
| | | 30 | 94.3 | 70 | 69.7 | 63.5 | <u>70.6</u> | Y | N | 0.9 | N |
| | | 31 | 97.1 | 70 | 69.7 | 63.5 | <u>70.7</u> | Y | N | 1.0 | Y |
| | | 32 | 99.9 | 70 | 69.8 | 63.6 | <u>70.8</u> | Y | N | 1.0 | Y |
| | | 33 | 102.7 | 70 | 69.9 | 63.5 | <u>70.8</u> | Y | N | 0.9 | N |
| | | 34 | 105.5 | 70 | 70.0 | 63.5 | <u>70.9</u> | Y | N | 0.9 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | MWH3 | 1 | 13.1 | 70 | 57.4 | 46.8 | 57.7 | N | N | 0.3 | N |
| | | 2 | 15.9 | 70 | 58.0 | 47.3 | 58.3 | N | N | 0.3 | N |
| | | 3 | 18.7 | 70 | 58.4 | 47.8 | 58.8 | N | N | 0.4 | N |
| | | 4 | 21.5 | 70 | 58.8 | 48.3 | 59.2 | N | N | 0.4 | N |
| | | 5 | 24.3 | 70 | 59.1 | 48.8 | 59.5 | N | N | 0.4 | N |
| | | 6 | 27.1 | 70 | 59.3 | 49.3 | 59.7 | N | N | 0.4 | N |
| | | 7 | 29.9 | 70 | 59.6 | 49.9 | 60.0 | N | N | 0.4 | N |
| | | 8 | 32.7 | 70 | 59.9 | 50.6 | 60.4 | N | N | 0.5 | N |
| | | 9 | 35.5 | 70 | 60.4 | 51.2 | 60.9 | N | N | 0.5 | N |
| | | 10 | 38.3 | 70 | 60.9 | 51.8 | 61.4 | N | N | 0.5 | N |
| | | 11 | 41.1 | 70 | 61.4 | 52.3 | 61.9 | N | N | 0.5 | N |
| | | 12 | 43.9 | 70 | 61.7 | 52.7 | 62.2 | N | N | 0.5 | N |
| | | 13 | 46.7 | 70 | 62.1 | 53.2 | 62.6 | N | N | 0.5 | N |
| | | 14 | 49.5 | 70 | 62.4 | 53.6 | 62.9 | N | N | 0.5 | N |
| | | 15 | 52.3 | 70 | 62.8 | 54.1 | 63.3 | N | N | 0.5 | N |
| | | 16 | 55.1 | 70 | 63.1 | 54.5 | 63.7 | N | N | 0.6 | N |
| | | 17 | 57.9 | 70 | 63.4 | 54.9 | 64.0 | N | N | 0.6 | N |
| | | 18 | 60.7 | 70 | 63.8 | 55.4 | 64.3 | N | N | 0.5 | N |
| | | 19 | 63.5 | 70 | 64.1 | 55.7 | 64.7 | N | N | 0.6 | N |
| | | 20 | 66.3 | 70 | 64.4 | 56.0 | 65.0 | N | N | 0.6 | N |
| | | 21 | 69.1 | 70 | 64.6 | 56.2 | 65.2 | N | N | 0.6 | N |
| | | 22 | 71.9 | 70 | 64.8 | 56.4 | 65.4 | N | N | 0.6 | N |
| | | 23 | 74.7 | 70 | 64.9 | 56.6 | 65.5 | N | N | 0.6 | N |
| | | 24 | 77.5 | 70 | 65.2 | 56.7 | 65.7 | N | N | 0.5 | N |
| | | 25 | 80.3 | 70 | 65.4 | 56.8 | 66.0 | N | N | 0.6 | N |
| | | 26 | 83.1 | 70 | 65.6 | 57.0 | 66.2 | N | N | 0.6 | N |
| | | 27 | 85.9 | 70 | 65.8 | 57.1 | 66.4 | N | N | 0.6 | N |
| | | 28 | 88.7 | 70 | 66.0 | 57.1 | 66.5 | N | N | 0.5 | N |
| | | 29 | 91.5 | 70 | 66.2 | 57.2 | 66.7 | N | N | 0.5 | N |
| | | 30 | 94.3 | 70 | 66.4 | 57.2 | 66.9 | N | N | 0.5 | N |
| | | 31 | 97.1 | 70 | 66.5 | 57.3 | 67.0 | N | N | 0.5 | N |
| | | 32 | 99.9 | 70 | 66.7 | 57.3 | 67.2 | N | N | 0.5 | N |
| | | 33 | 102.7 | 70 | 66.8 | 57.4 | 67.3 | N | N | 0.5 | N |
| | | 34 | 105.5 | 70 | 67.0 | 57.4 | 67.5 | N | N | 0.5 | N |
| Domestic Premises | MYH1 | 1 | 12 | 70 | 64.2 | 48.8 | 64.4 | N | N | 0.2 | N |
| | | 2 | 14.8 | 70 | 64.2 | 49.4 | 64.4 | N | N | 0.2 | N |
| | | 3 | 17.6 | 70 | 64.3 | 50.0 | 64.4 | N | N | 0.1 | N |
| | | 4 | 20.4 | 70 | 64.3 | 50.6 | 64.5 | N | N | 0.2 | N |
| | | 5 | 23.2 | 70 | 64.3 | 51.3 | 64.5 | N | N | 0.2 | N |
| | | 6 | 26 | 70 | 64.4 | 52.0 | 64.6 | N | N | 0.2 | N |
| | | 7 | 28.8 | 70 | 64.5 | 52.7 | 64.8 | N | N | 0.3 | N |
| | | 8 | 31.6 | 70 | 64.6 | 53.5 | 64.9 | N | N | 0.3 | N |
| | | 9 | 34.4 | 70 | 64.7 | 54.3 | 65.1 | N | N | 0.4 | N |
| | | 10 | 37.2 | 70 | 64.9 | 55.3 | 65.4 | N | N | 0.5 | N |
| | | 11 | 40 | 70 | 65.2 | 56.2 | 65.7 | N | N | 0.5 | N |
| | | 12 | 42.8 | 70 | 65.3 | 56.8 | 65.9 | N | N | 0.6 | N |
| | | 13 | 45.6 | 70 | 65.6 | 57.5 | 66.3 | N | N | 0.7 | N |
| | | 14 | 48.4 | 70 | 66.1 | 58.1 | 66.7 | N | N | 0.6 | N |
| | | 15 | 51.2 | 70 | 66.4 | 58.8 | 67.1 | N | N | 0.7 | N |
| | | 16 | 54 | 70 | 66.8 | 59.4 | 67.5 | N | N | 0.7 | N |
| | | 17 | 56.8 | 70 | 67.3 | 60.0 | 68.0 | N | N | 0.7 | N |
| | | 18 | 59.6 | 70 | 67.7 | 60.4 | 68.4 | N | N | 0.7 | N |
| Domestic Premises | MYH2 | 1 | 12 | 70 | 64.1 | 50.7 | 64.3 | N | N | 0.2 | N |
| | | 2 | 14.8 | 70 | 64.2 | 51.4 | 64.4 | N | N | 0.2 | N |
| | | 3 | 17.6 | 70 | 64.4 | 52.1 | 64.6 | N | N | 0.2 | N |
| | | 4 | 20.4 | 70 | 64.6 | 52.9 | 64.9 | N | N | 0.3 | N |
| | | 5 | 23.2 | 70 | 64.9 | 53.8 | 65.2 | N | N | 0.3 | N |
| | | 6 | 26 | 70 | 65.3 | 54.8 | 65.7 | N | N | 0.4 | N |
| | | 7 | 28.8 | 70 | 65.9 | 55.8 | 66.3 | N | N | 0.4 | N |
| | | 8 | 31.6 | 70 | 66.6 | 56.7 | 67.0 | N | N | 0.4 | N |
| | | 9 | 34.4 | 70 | 67.2 | 57.6 | 67.6 | N | N | 0.4 | N |
| | | 10 | 37.2 | 70 | 67.6 | 58.4 | 68.1 | N | N | 0.5 | N |
| | | 11 | 40 | 70 | 68.0 | 59.0 | 68.5 | N | N | 0.5 | N |
| | | 12 | 42.8 | 70 | 68.4 | 59.5 | 68.9 | N | N | 0.5 | N |
| | | 13 | 45.6 | 70 | 68.8 | 60.0 | 69.4 | N | N | 0.6 | N |
| | | 14 | 48.4 | 70 | 69.2 | 60.5 | 69.8 | N | N | 0.6 | N |
| | | 15 | 51.2 | 70 | 69.7 | 61.0 | 70.2 | N | N | 0.5 | N |
| | | 16 | 54 | 70 | 70.2 | 61.5 | 70.7 | Y | N | 0.5 | N |
| | | 17 | 56.8 | 70 | 70.5 | 61.9 | 71.1 | Y | N | 0.6 | N |
| | | 18 | 59.6 | 70 | 70.8 | 62.3 | 71.4 | Y | N | 0.6 | N |
| Educational Institutions | SCPS1 | 1 | 9.1 | 65 | 63.7 | 50.2 | 63.9 | N | N | 0.2 | N |
| | | 2 | 11.9 | 65 | 63.8 | 50.9 | 64.1 | N | N | 0.3 | N |
| | | 3 | 14.7 | 65 | 64.1 | 51.6 | 64.3 | N | N | 0.2 | N |
| | | 4 | 17.5 | 65 | 64.3 | 52.3 | 64.6 | N | N | 0.3 | N |
| | | 5 | 20.3 | 65 | 64.5 | 53.1 | 64.8 | N | N | 0.3 | N |
| | | 6 | 23.1 | 65 | 64.7 | 53.9 | 65.1 | N | N | 0.4 | N |
| | | 7 | 25.9 | 65 | 65.0 | 54.9 | 65.4 | N | N | 0.4 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Educational Institutions | SCPS2 | 1 | 9.1 | 65 | 62.4 | 52.7 | 62.8 | N | N | 0.4 | N |
| | | 2 | 11.9 | 65 | 63.9 | 53.9 | 64.4 | N | N | 0.5 | N |
| | | 3 | 14.7 | 65 | 65.1 | 55.1 | 65.5 | Y | N | 0.4 | N |
| | | 4 | 17.5 | 65 | 65.6 | 55.8 | 66.0 | Y | N | 0.4 | N |
| | | 5 | 20.3 | 65 | 66.1 | 56.4 | 66.6 | Y | N | 0.5 | N |
| | | 6 | 23.1 | 65 | 66.9 | 57.2 | 67.3 | Y | N | 0.4 | N |
| | | 7 | 25.9 | 65 | 67.9 | 58.2 | 68.3 | Y | N | 0.4 | N |
| Educational Institutions | WWTC1 | 1 | 9.1 | 65 | 64.9 | 54.9 | 65.3 | N | N | 0.4 | N |
| | | 2 | 11.9 | 65 | 65.4 | 55.3 | 65.8 | Y | N | 0.4 | N |
| | | 3 | 14.7 | 65 | 66.0 | 55.7 | 66.3 | Y | N | 0.3 | N |
| | | 4 | 17.5 | 65 | 66.5 | 56.2 | 66.9 | Y | N | 0.4 | N |
| | | 5 | 20.3 | 65 | 67.2 | 56.7 | 67.6 | Y | N | 0.4 | N |
| | | 6 | 23.1 | 65 | 68.3 | 57.6 | 68.6 | Y | N | 0.3 | N |
| Educational Institutions | WWTC2 | 1 | 9.1 | 65 | 71.6 | 53.4 | 71.7 | Y | N | 0.1 | N |
| | | 2 | 11.9 | 65 | 71.9 | 53.5 | 72.0 | Y | N | 0.1 | N |
| | | 3 | 14.7 | 65 | 72.4 | 53.7 | 72.4 | Y | N | 0.0 | N |
| | | 4 | 17.5 | 65 | 73.1 | 54.0 | 73.1 | Y | N | 0.0 | N |
| | | 5 | 20.3 | 65 | 74.1 | 54.5 | 74.1 | Y | N | 0.0 | N |
| | | 6 | 23.1 | 65 | 75.0 | 55.1 | 75.1 | Y | N | 0.1 | N |
| Domestic Premises | MTH1 | 1 | 11.9 | 70 | 63.3 | 48.0 | 63.4 | N | N | 0.1 | N |
| | | 2 | 14.7 | 70 | 64.1 | 49.2 | 64.2 | N | N | 0.1 | N |
| | | 3 | 17.5 | 70 | 64.8 | 50.6 | 65.0 | N | N | 0.2 | N |
| | | 4 | 20.3 | 70 | 65.4 | 52.0 | 65.6 | N | N | 0.2 | N |
| | | 5 | 23.1 | 70 | 66.1 | 53.2 | 66.3 | N | N | 0.2 | N |
| | | 6 | 25.9 | 70 | 66.9 | 54.5 | 67.2 | N | N | 0.3 | N |
| | | 7 | 28.7 | 70 | 67.9 | 55.5 | 68.1 | N | N | 0.2 | N |
| | | 8 | 31.5 | 70 | 68.6 | 56.1 | 68.8 | N | N | 0.2 | N |
| | | 9 | 34.3 | 70 | 69.1 | 56.7 | 69.4 | N | N | 0.3 | N |
| | | 10 | 37.1 | 70 | 69.7 | 57.3 | 69.9 | N | N | 0.2 | N |
| | | 11 | 39.9 | 70 | 70.1 | 57.9 | 70.4 | N | N | 0.3 | N |
| | | 12 | 42.7 | 70 | 70.6 | 58.4 | 70.9 | Y | N | 0.3 | N |
| | | 13 | 45.5 | 70 | 71.0 | 58.8 | 71.3 | Y | N | 0.3 | N |
| | | 14 | 48.3 | 70 | 71.4 | 59.1 | 71.6 | Y | N | 0.2 | N |
| | | 15 | 51.1 | 70 | 71.7 | 59.4 | 72.0 | Y | N | 0.3 | N |
| | | 16 | 53.9 | 70 | 72.0 | 59.8 | 72.3 | Y | N | 0.3 | N |
| | | 17 | 56.7 | 70 | 72.3 | 60.2 | 72.6 | Y | N | 0.3 | N |
| | | 18 | 59.5 | 70 | 72.5 | 60.7 | 72.8 | Y | N | 0.3 | N |
| | | 19 | 62.3 | 70 | 72.8 | 61.1 | 73.0 | Y | N | 0.2 | N |
| | | 20 | 65.1 | 70 | 72.9 | 61.4 | 73.2 | Y | N | 0.3 | N |
| | | 21 | 67.9 | 70 | 73.1 | 61.7 | 73.4 | Y | N | 0.3 | N |
| | | 22 | 70.7 | 70 | 73.3 | 61.9 | 73.6 | Y | N | 0.3 | N |
| | | 23 | 73.5 | 70 | 73.4 | 62.1 | 73.7 | Y | N | 0.3 | N |
| | | 24 | 76.3 | 70 | 73.5 | 62.2 | 73.8 | Y | N | 0.3 | N |
| | | 25 | 79.1 | 70 | 73.6 | 62.4 | 73.9 | Y | N | 0.3 | N |
| Domestic Premises | MTH2 | 1 | 11.9 | 70 | 67.4 | 44.0 | 67.4 | N | N | 0.0 | N |
| | | 2 | 14.7 | 70 | 68.0 | 45.6 | 68.1 | N | N | 0.1 | N |
| | | 3 | 17.5 | 70 | 68.5 | 47.1 | 68.5 | N | N | 0.0 | N |
| | | 4 | 20.3 | 70 | 68.8 | 48.2 | 68.8 | N | N | 0.0 | N |
| | | 5 | 23.1 | 70 | 69.0 | 49.0 | 69.1 | N | N | 0.1 | N |
| | | 6 | 25.9 | 70 | 69.3 | 49.9 | 69.4 | N | N | 0.1 | N |
| | | 7 | 28.7 | 70 | 69.8 | 51.0 | 69.9 | N | N | 0.1 | N |
| | | 8 | 31.5 | 70 | 70.2 | 51.8 | 70.2 | N | N | 0.0 | N |
| | | 9 | 34.3 | 70 | 70.5 | 52.4 | 70.5 | Y | N | 0.0 | N |
| | | 10 | 37.1 | 70 | 70.8 | 53.1 | 70.8 | Y | N | 0.0 | N |
| | | 11 | 39.9 | 70 | 71.0 | 53.9 | 71.1 | Y | N | 0.1 | N |
| | | 12 | 42.7 | 70 | 71.4 | 54.6 | 71.5 | Y | N | 0.1 | N |
| | | 13 | 45.5 | 70 | 71.6 | 55.3 | 71.7 | Y | N | 0.1 | N |
| | | 14 | 48.3 | 70 | 71.9 | 55.7 | 72.0 | Y | N | 0.1 | N |
| | | 15 | 51.1 | 70 | 72.1 | 56.0 | 72.2 | Y | N | 0.1 | N |
| | | 16 | 53.9 | 70 | 72.3 | 56.3 | 72.4 | Y | N | 0.1 | N |
| | | 17 | 56.7 | 70 | 72.5 | 56.7 | 72.6 | Y | N | 0.1 | N |
| | | 18 | 59.5 | 70 | 72.7 | 57.2 | 72.8 | Y | N | 0.1 | N |
| | | 19 | 62.3 | 70 | 72.8 | 57.6 | 72.9 | Y | N | 0.1 | N |
| | | 20 | 65.1 | 70 | 73.0 | 57.9 | 73.1 | Y | N | 0.1 | N |
| | | 21 | 67.9 | 70 | 73.1 | 58.1 | 73.3 | Y | N | 0.2 | N |
| | | 22 | 70.7 | 70 | 73.3 | 58.3 | 73.4 | Y | N | 0.1 | N |
| | | 23 | 73.5 | 70 | 73.4 | 58.5 | 73.5 | Y | N | 0.1 | N |
| | | 24 | 76.3 | 70 | 73.5 | 58.6 | 73.6 | Y | N | 0.1 | N |
| | | 25 | 79.1 | 70 | 73.5 | 58.8 | 73.7 | Y | N | 0.2 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | MTH3 | 1 | 11.8 | 70 | 67.4 | 45.9 | 67.4 | N | N | 0.0 | N |
| | | 2 | 14.6 | 70 | 67.9 | 47.0 | 67.9 | N | N | 0.0 | N |
| | | 3 | 17.4 | 70 | 68.2 | 48.0 | 68.3 | N | N | 0.1 | N |
| | | 4 | 20.2 | 70 | 68.4 | 48.7 | 68.5 | N | N | 0.1 | N |
| | | 5 | 23 | 70 | 68.7 | 49.3 | 68.7 | N | N | 0.0 | N |
| | | 6 | 25.8 | 70 | 69.0 | 50.0 | 69.0 | N | N | 0.0 | N |
| | | 7 | 28.6 | 70 | 69.3 | 51.1 | 69.4 | N | N | 0.1 | N |
| | | 8 | 31.4 | 70 | 69.7 | 51.8 | 69.8 | N | N | 0.1 | N |
| | | 9 | 34.2 | 70 | 69.9 | 52.4 | 70.0 | N | N | 0.1 | N |
| | | 10 | 37 | 70 | 70.2 | 53.2 | 70.2 | N | N | 0.0 | N |
| | | 11 | 39.8 | 70 | 70.4 | 54.1 | 70.5 | Y | N | 0.1 | N |
| | | 12 | 42.6 | 70 | 70.6 | 54.8 | 70.7 | Y | N | 0.1 | N |
| | | 13 | 45.4 | 70 | 70.8 | 55.4 | 71.0 | Y | N | 0.2 | N |
| | | 14 | 48.2 | 70 | 71.1 | 55.9 | 71.2 | Y | N | 0.1 | N |
| | | 15 | 51 | 70 | 71.3 | 56.2 | 71.4 | Y | N | 0.1 | N |
| | | 16 | 53.8 | 70 | 71.5 | 56.5 | 71.7 | Y | N | 0.2 | N |
| | | 17 | 56.6 | 70 | 71.8 | 56.8 | 71.9 | Y | N | 0.1 | N |
| | | 18 | 59.4 | 70 | 71.9 | 57.0 | 72.1 | Y | N | 0.2 | N |
| | | 19 | 62.2 | 70 | 72.2 | 57.1 | 72.3 | Y | N | 0.1 | N |
| | | 20 | 65 | 70 | 72.5 | 57.4 | 72.6 | Y | N | 0.1 | N |
| | | 21 | 67.8 | 70 | 72.6 | 57.5 | 72.8 | Y | N | 0.2 | N |
| | | 22 | 70.6 | 70 | 72.7 | 57.7 | 72.9 | Y | N | 0.2 | N |
| | | 23 | 73.4 | 70 | 72.8 | 57.8 | 73.0 | Y | N | 0.2 | N |
| | | 24 | 76.2 | 70 | 72.9 | 57.9 | 73.0 | Y | N | 0.1 | N |
| | | 25 | 79 | 70 | 72.9 | 58.0 | 73.1 | Y | N | 0.2 | N |
| | | 26 | 81.8 | 70 | 72.9 | 58.1 | 73.0 | Y | N | 0.1 | N |
| | | 27 | 84.6 | 70 | 72.9 | 58.2 | 73.1 | Y | N | 0.2 | N |
| Domestic Premises | MTH4 | 1 | 11.8 | 70 | 70.4 | 44.9 | 70.4 | N | N | 0.0 | N |
| | | 2 | 14.6 | 70 | 70.5 | 45.6 | 70.5 | Y | N | 0.0 | N |
| | | 3 | 17.4 | 70 | 70.5 | 46.2 | 70.6 | Y | N | 0.1 | N |
| | | 4 | 20.2 | 70 | 70.6 | 46.7 | 70.7 | Y | N | 0.1 | N |
| | | 5 | 23 | 70 | 70.7 | 47.2 | 70.7 | Y | N | 0.0 | N |
| | | 6 | 25.8 | 70 | 70.9 | 47.6 | 70.9 | Y | N | 0.0 | N |
| | | 7 | 28.6 | 70 | 71.0 | 48.2 | 71.0 | Y | N | 0.0 | N |
| | | 8 | 31.4 | 70 | 71.1 | 48.8 | 71.2 | Y | N | 0.1 | N |
| | | 9 | 34.2 | 70 | 71.2 | 49.8 | 71.2 | Y | N | 0.0 | N |
| | | 10 | 37 | 70 | 71.3 | 50.9 | 71.3 | Y | N | 0.0 | N |
| | | 11 | 39.8 | 70 | 71.4 | 52.0 | 71.4 | Y | N | 0.0 | N |
| | | 12 | 42.6 | 70 | 71.4 | 52.9 | 71.5 | Y | N | 0.1 | N |
| | | 13 | 45.4 | 70 | 71.6 | 53.7 | 71.6 | Y | N | 0.0 | N |
| | | 14 | 48.2 | 70 | 71.7 | 54.5 | 71.8 | Y | N | 0.1 | N |
| | | 15 | 51 | 70 | 71.8 | 54.9 | 71.9 | Y | N | 0.1 | N |
| | | 16 | 53.8 | 70 | 72.1 | 55.1 | 72.1 | Y | N | 0.0 | N |
| | | 17 | 56.6 | 70 | 72.2 | 55.2 | 72.2 | Y | N | 0.0 | N |
| | | 18 | 59.4 | 70 | 72.4 | 55.3 | 72.4 | Y | N | 0.0 | N |
| | | 19 | 62.2 | 70 | 72.6 | 55.4 | 72.7 | Y | N | 0.1 | N |
| | | 20 | 65 | 70 | 72.7 | 55.5 | 72.8 | Y | N | 0.1 | N |
| | | 21 | 67.8 | 70 | 72.8 | 55.7 | 72.9 | Y | N | 0.1 | N |
| | | 22 | 70.6 | 70 | 72.9 | 55.8 | 73.0 | Y | N | 0.1 | N |
| | | 23 | 73.4 | 70 | 72.9 | 55.9 | 73.0 | Y | N | 0.1 | N |
| | | 24 | 76.2 | 70 | 72.9 | 56.0 | 73.0 | Y | N | 0.1 | N |
| | | 25 | 79 | 70 | 72.9 | 56.0 | 73.0 | Y | N | 0.1 | N |
| | | 26 | 81.8 | 70 | 72.9 | 56.1 | 73.0 | Y | N | 0.1 | N |
| | | 27 | 84.6 | 70 | 72.9 | 56.2 | 73.0 | Y | N | 0.1 | N |
| Domestic Premises | MTH5 | 1 | 11.8 | 70 | 73.2 | 46.0 | 73.2 | Y | N | 0.0 | N |
| | | 2 | 14.6 | 70 | 73.2 | 46.4 | 73.2 | Y | N | 0.0 | N |
| | | 3 | 17.4 | 70 | 73.2 | 46.7 | 73.2 | Y | N | 0.0 | N |
| | | 4 | 20.2 | 70 | 73.2 | 47.1 | 73.2 | Y | N | 0.0 | N |
| | | 5 | 23 | 70 | 73.2 | 47.5 | 73.2 | Y | N | 0.0 | N |
| | | 6 | 25.8 | 70 | 73.2 | 47.9 | 73.2 | Y | N | 0.0 | N |
| | | 7 | 28.6 | 70 | 73.2 | 48.5 | 73.2 | Y | N | 0.0 | N |
| | | 8 | 31.4 | 70 | 73.3 | 49.3 | 73.3 | Y | N | 0.0 | N |
| | | 9 | 34.2 | 70 | 73.3 | 50.3 | 73.3 | Y | N | 0.0 | N |
| | | 10 | 37 | 70 | 73.3 | 51.2 | 73.3 | Y | N | 0.0 | N |
| | | 11 | 39.8 | 70 | 73.4 | 52.3 | 73.4 | Y | N | 0.0 | N |
| | | 12 | 42.6 | 70 | 73.4 | 53.0 | 73.4 | Y | N | 0.0 | N |
| | | 13 | 45.4 | 70 | 73.5 | 53.3 | 73.5 | Y | N | 0.0 | N |
| | | 14 | 48.2 | 70 | 73.6 | 53.6 | 73.7 | Y | N | 0.1 | N |
| | | 15 | 51 | 70 | 73.7 | 53.9 | 73.8 | Y | N | 0.1 | N |
| | | 16 | 53.8 | 70 | 73.9 | 53.9 | 74.0 | Y | N | 0.1 | N |
| | | 17 | 56.6 | 70 | 74.1 | 54.0 | 74.2 | Y | N | 0.1 | N |
| | | 18 | 59.4 | 70 | 74.3 | 54.1 | 74.3 | Y | N | 0.0 | N |
| | | 19 | 62.2 | 70 | 74.3 | 54.2 | 74.4 | Y | N | 0.1 | N |
| | | 20 | 65 | 70 | 74.4 | 54.3 | 74.4 | Y | N | 0.0 | N |
| | | 21 | 67.8 | 70 | 74.4 | 54.4 | 74.4 | Y | N | 0.0 | N |
| | | 22 | 70.6 | 70 | 74.3 | 54.6 | 74.4 | Y | N | 0.1 | N |
| | | 23 | 73.4 | 70 | 74.3 | 54.7 | 74.3 | Y | N | 0.0 | N |
| | | 24 | 76.2 | 70 | 74.3 | 54.8 | 74.3 | Y | N | 0.0 | N |
| | | 25 | 79 | 70 | 74.2 | 55.0 | 74.3 | Y | N | 0.1 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | KWB1 | 1 | 14.5 | 70 | <u>75.8</u> | 47.2 | <u>75.8</u> | Y | N | 0.0 | N |
| | | 2 | 17.3 | 70 | <u>75.6</u> | 48.6 | <u>75.6</u> | Y | N | 0.0 | N |
| | | 3 | 20.1 | 70 | <u>75.5</u> | 50.1 | <u>75.5</u> | Y | N | 0.0 | N |
| | | 4 | 22.9 | 70 | <u>75.4</u> | 51.6 | <u>75.4</u> | Y | N | 0.0 | N |
| | | 5 | 25.7 | 70 | <u>75.4</u> | 53.0 | <u>75.5</u> | Y | N | 0.1 | N |
| Domestic Premises | CCS1 | 1 | 14.1 | 70 | <u>75.0</u> | 56.9 | <u>75.1</u> | Y | N | 0.1 | N |
| | | 2 | 16.9 | 70 | <u>74.9</u> | 57.5 | <u>75.0</u> | Y | N | 0.1 | N |
| | | 3 | 19.7 | 70 | <u>74.9</u> | 58.2 | <u>75.0</u> | Y | N | 0.1 | N |
| Domestic Premises | CCS2 | 1 | 14.1 | 70 | <u>76.4</u> | 51.4 | <u>76.4</u> | Y | N | 0.0 | N |
| | | 2 | 16.9 | 70 | <u>76.1</u> | 52.2 | <u>76.1</u> | Y | N | 0.0 | N |
| | | 3 | 19.7 | 70 | <u>75.8</u> | 53.2 | <u>75.8</u> | Y | N | 0.0 | N |
| | | 4 | 22.5 | 70 | <u>75.8</u> | 54.4 | <u>75.8</u> | Y | N | 0.0 | N |
| | | 5 | 25.3 | 70 | <u>75.9</u> | 55.6 | <u>75.9</u> | Y | N | 0.0 | N |
| Domestic Premises | SHR1 | 1 | 12.5 | 70 | <u>73.0</u> | 57.5 | <u>73.1</u> | Y | N | 0.1 | N |
| | | 2 | 15.3 | 70 | <u>72.8</u> | 57.9 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 3 | 18.1 | 70 | <u>72.8</u> | 58.2 | <u>72.9</u> | Y | N | 0.1 | N |
| Domestic Premises | SHB1 | 1 | 12.3 | 70 | 69.7 | 56.7 | 69.9 | N | N | 0.2 | N |
| | | 2 | 15.1 | 70 | 69.8 | 57.1 | 70.0 | N | N | 0.2 | N |
| | | 3 | 17.9 | 70 | 70.0 | 57.4 | 70.2 | N | N | 0.2 | N |
| Educational Institutions | SCWPS | 1 | 6.6 | 65 | 61.1 | 50.0 | 61.4 | N | N | 0.3 | N |
| | | 2 | 9.4 | 65 | 62.8 | 51.4 | 63.1 | N | N | 0.3 | N |
| | | 3 | 12.2 | 65 | 64.4 | 52.7 | 64.6 | N | N | 0.2 | N |
| | | 4 | 15 | 65 | 65.1 | 53.3 | 65.4 | N | N | 0.3 | N |
| | | 5 | 17.8 | 65 | <u>65.5</u> | 53.6 | <u>65.8</u> | Y | N | 0.3 | N |
| | | 6 | 20.6 | 65 | <u>65.9</u> | 54.0 | <u>66.2</u> | Y | N | 0.3 | N |
| | | 7 | 23.4 | 65 | <u>66.2</u> | 54.4 | <u>66.5</u> | Y | N | 0.3 | N |
| Domestic Premises | PO1 | 1 | 49.1 | 70 | 61.7 | 53.5 | 62.3 | N | N | 0.6 | N |
| | | 2 | 51.9 | 70 | 64.8 | 56.3 | 65.4 | N | N | 0.6 | N |
| | | 3 | 54.7 | 70 | 66.0 | 57.5 | 66.6 | N | N | 0.6 | N |
| | | 4 | 57.5 | 70 | 66.8 | 58.1 | 67.3 | N | N | 0.5 | N |
| | | 5 | 60.3 | 70 | 67.5 | 58.4 | 68.0 | N | N | 0.5 | N |
| | | 6 | 63.1 | 70 | 68.1 | 58.7 | 68.5 | N | N | 0.4 | N |
| | | 7 | 65.9 | 70 | 68.6 | 59.0 | 69.1 | N | N | 0.5 | N |
| | | 8 | 68.7 | 70 | 69.1 | 59.2 | 69.5 | N | N | 0.4 | N |
| | | 9 | 71.5 | 70 | 69.6 | 59.4 | 70.0 | N | N | 0.4 | N |
| | | 10 | 74.3 | 70 | 70.0 | 59.5 | 70.4 | N | N | 0.4 | N |
| | | 11 | 77.1 | 70 | <u>70.6</u> | 59.7 | <u>70.9</u> | Y | N | 0.3 | N |
| | | 12 | 79.9 | 70 | <u>70.9</u> | 59.8 | <u>71.3</u> | Y | N | 0.4 | N |
| | | 13 | 82.7 | 70 | <u>71.4</u> | 59.9 | <u>71.7</u> | Y | N | 0.3 | N |
| | | 14 | 85.5 | 70 | <u>71.7</u> | 60.0 | <u>72.0</u> | Y | N | 0.3 | N |
| | | 15 | 88.3 | 70 | <u>72.0</u> | 60.1 | <u>72.3</u> | Y | N | 0.3 | N |
| Domestic Premises | PO2 | 1 | 49.1 | 70 | 63.0 | 53.8 | 63.5 | N | N | 0.5 | N |
| | | 2 | 51.9 | 70 | 64.7 | 55.9 | 65.3 | N | N | 0.6 | N |
| | | 3 | 54.7 | 70 | 65.6 | 56.7 | 66.1 | N | N | 0.5 | N |
| | | 4 | 57.5 | 70 | 66.6 | 57.2 | 67.1 | N | N | 0.5 | N |
| | | 5 | 60.3 | 70 | 67.3 | 57.6 | 67.8 | N | N | 0.5 | N |
| | | 6 | 63.1 | 70 | 68.0 | 58.0 | 68.4 | N | N | 0.4 | N |
| | | 7 | 65.9 | 70 | 68.6 | 58.3 | 69.0 | N | N | 0.4 | N |
| | | 8 | 68.7 | 70 | 69.4 | 58.5 | 69.7 | N | N | 0.3 | N |
| | | 9 | 71.5 | 70 | 70.1 | 58.7 | 70.4 | N | N | 0.3 | N |
| | | 10 | 74.3 | 70 | <u>70.9</u> | 59.0 | <u>71.2</u> | Y | N | 0.3 | N |
| | | 11 | 77.1 | 70 | <u>71.5</u> | 59.2 | <u>71.8</u> | Y | N | 0.3 | N |
| | | 12 | 79.9 | 70 | <u>72.2</u> | 59.5 | <u>72.5</u> | Y | N | 0.3 | N |
| | | 13 | 82.7 | 70 | <u>72.7</u> | 59.8 | <u>73.0</u> | Y | N | 0.3 | N |
| | | 14 | 85.5 | 70 | <u>73.1</u> | 60.2 | <u>73.3</u> | Y | N | 0.2 | N |
| | | 15 | 88.3 | 70 | <u>73.4</u> | 60.6 | <u>73.6</u> | Y | N | 0.2 | N |
| | | 16 | 91.1 | 70 | <u>73.6</u> | 61.1 | <u>73.8</u> | Y | N | 0.2 | N |
| Domestic Premises | PH1 | 1 | 26.5 | 70 | 63.8 | 55.5 | 64.4 | N | N | 0.6 | N |
| | | 2 | 29.3 | 70 | 69.5 | 59.6 | 69.9 | N | N | 0.4 | N |
| | | 3 | 32.1 | 70 | <u>71.0</u> | 61.1 | <u>71.4</u> | Y | N | 0.4 | N |
| Domestic Premises | TLWE1 | 1 | 43.9 | 70 | 68.9 | 52.9 | 69.0 | N | N | 0.1 | N |
| | | 2 | 46.7 | 70 | 69.0 | 53.7 | 69.1 | N | N | 0.1 | N |
| | | 3 | 49.5 | 70 | 69.2 | 54.4 | 69.4 | N | N | 0.2 | N |
| Domestic Premises | TLWE2 | 1 | 43.2 | 70 | 64.9 | 54.5 | 65.3 | N | N | 0.4 | N |
| | | 2 | 46 | 70 | 65.7 | 55.3 | 66.1 | N | N | 0.4 | N |
| | | 3 | 48.8 | 70 | 66.3 | 56.0 | 66.7 | N | N | 0.4 | N |
| Clinics | BHOLK | 1 | 40.6 | 55 | <u>60.5</u> | 44.2 | <u>60.6</u> | Y | N | 0.1 | N |
| | | 2 | 43.4 | 55 | <u>64.1</u> | 45.3 | <u>64.2</u> | Y | N | 0.1 | N |
| | | 3 | 46.2 | 55 | <u>67.6</u> | 46.6 | <u>67.7</u> | Y | N | 0.1 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | GH1 | 1 | 40.1 | 70 | 68.2 | 55.5 | 68.4 | N | N | 0.2 | N |
| | | 2 | 42.9 | 70 | 70.3 | 57.3 | <u>70.5</u> | Y | N | 0.2 | N |
| | | 3 | 45.7 | 70 | <u>70.9</u> | 57.7 | <u>71.1</u> | Y | N | 0.2 | N |
| | | 4 | 48.5 | 70 | <u>71.5</u> | 58.0 | <u>71.7</u> | Y | N | 0.2 | N |
| | | 5 | 51.3 | 70 | <u>72.0</u> | 58.4 | <u>72.2</u> | Y | N | 0.2 | N |
| | | 6 | 54.1 | 70 | <u>72.5</u> | 58.8 | <u>72.7</u> | Y | N | 0.2 | N |
| | | 7 | 56.9 | 70 | <u>72.8</u> | 59.2 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 8 | 59.7 | 70 | <u>73.0</u> | 59.6 | <u>73.2</u> | Y | N | 0.2 | N |
| | | 9 | 62.5 | 70 | <u>73.1</u> | 59.9 | <u>73.3</u> | Y | N | 0.2 | N |
| | | 10 | 65.3 | 70 | <u>73.2</u> | 60.2 | <u>73.4</u> | Y | N | 0.2 | N |
| | | 11 | 68.1 | 70 | <u>73.2</u> | 60.4 | <u>73.4</u> | Y | N | 0.2 | N |
| | | 12 | 70.9 | 70 | <u>73.2</u> | 60.6 | <u>73.5</u> | Y | N | 0.3 | N |
| | | 13 | 73.7 | 70 | <u>73.2</u> | 60.8 | <u>73.5</u> | Y | N | 0.3 | N |
| Domestic Premises | GH2 | 1 | 38.1 | 70 | 62.9 | 54.9 | 63.5 | N | N | 0.6 | N |
| | | 2 | 40.9 | 70 | <u>71.0</u> | 61.7 | <u>71.5</u> | Y | N | 0.5 | N |
| Place of Public Worship | COLS | 1 | 21.6 | 65 | <u>70.7</u> | 55.3 | <u>70.8</u> | Y | N | 0.1 | N |
| | | 2 | 24.4 | 65 | <u>71.3</u> | 56.9 | <u>71.5</u> | Y | N | 0.2 | N |
| | | 3 | 27.2 | 65 | <u>71.8</u> | 58.1 | <u>71.9</u> | Y | N | 0.1 | N |
| Educational Institutions | LK | 1 | 16.1 | 65 | <u>67.3</u> | 54.3 | <u>67.5</u> | Y | N | 0.2 | N |
| | | 2 | 18.9 | 65 | <u>69.3</u> | 55.4 | <u>69.5</u> | Y | N | 0.2 | N |
| Domestic Premises | TLWV1 | 1 | 9.9 | 70 | 67.2 | 55.0 | 67.4 | N | N | 0.2 | N |
| | | 2 | 12.7 | 70 | 68.3 | 57.8 | 68.7 | N | N | 0.4 | N |
| Domestic Premises | TLWV2 | 1 | 21.4 | 70 | 57.8 | 51.0 | 58.6 | N | N | 0.8 | N |
| | | 2 | 24.2 | 70 | 60.6 | 53.6 | 61.4 | N | N | 0.8 | N |
| Domestic Premises | TLWV3 | 1 | 10.2 | 70 | <u>74.9</u> | 62.4 | <u>75.2</u> | Y | N | 0.3 | N |
| | | 2 | 13 | 70 | <u>75.2</u> | 63.2 | <u>75.5</u> | Y | N | 0.3 | N |
| Domestic Premises | TLWV4 | 1 | 7.4 | 70 | <u>72.4</u> | 58.7 | <u>72.5</u> | Y | N | 0.1 | N |
| | | 2 | 10.2 | 70 | <u>73.0</u> | 59.1 | <u>73.1</u> | Y | N | 0.1 | N |
| | | 3 | 13 | 70 | <u>73.9</u> | 59.8 | <u>74.0</u> | Y | N | 0.1 | N |
| Domestic Premises | TLWV5 | 1 | 9.9 | 70 | 61.3 | 54.8 | 62.2 | N | N | 0.9 | N |
| | | 2 | 12.7 | 70 | 64.1 | 57.3 | 64.9 | N | N | 0.8 | N |
| | | 3 | 15.5 | 70 | 67.7 | 59.4 | 68.3 | N | N | 0.6 | N |
| Domestic Premises | TLWV6 | 1 | 10.2 | 70 | <u>73.9</u> | 57.5 | <u>74.0</u> | Y | N | 0.1 | N |
| | | 2 | 13 | 70 | <u>74.4</u> | 58.8 | <u>74.5</u> | Y | N | 0.1 | N |
| Domestic Premises | TLWV7 | 1 | 7.8 | 70 | 67.9 | 54.2 | 68.1 | N | N | 0.2 | N |
| | | 2 | 10.6 | 70 | 69.5 | 55.0 | 69.7 | N | N | 0.2 | N |
| | | 3 | 13.4 | 70 | <u>71.2</u> | 55.9 | <u>71.4</u> | Y | N | 0.2 | N |
| Domestic Premises | TLWV8 | 1 | 9.9 | 70 | 59.8 | 53.0 | 60.6 | N | N | 0.8 | N |
| | | 2 | 12.7 | 70 | 62.6 | 55.3 | 63.3 | N | N | 0.7 | N |
| | | 3 | 15.5 | 70 | 66.5 | 57.8 | 67.0 | N | N | 0.5 | N |
| | | 4 | 18.3 | 70 | <u>71.0</u> | 60.3 | <u>71.4</u> | Y | N | 0.4 | N |
| Domestic Premises | TLWV9 | 1 | 7.3 | 70 | <u>73.9</u> | 62.2 | <u>74.2</u> | Y | N | 0.3 | N |
| | | 2 | 10.1 | 70 | <u>74.2</u> | 62.0 | <u>74.5</u> | Y | N | 0.3 | N |
| | | 3 | 12.9 | 70 | <u>74.5</u> | 61.7 | <u>74.8</u> | Y | N | 0.3 | N |
| Domestic Premises | OTT1 | 1 | 16.8 | 70 | <u>71.8</u> | 65.0 | <u>72.6</u> | Y | N | 0.8 | N |
| | | 2 | 19.6 | 70 | <u>73.4</u> | 67.4 | <u>74.4</u> | Y | N | 1.0 | Y |
| | | 3 | 22.4 | 70 | <u>75.1</u> | 69.1 | <u>76.1</u> | Y | N | 1.0 | Y |
| Domestic Premises | OTT2 | 1 | 16.8 | 70 | <u>71.4</u> | 63.5 | <u>72.0</u> | Y | N | 0.6 | N |
| | | 2 | 19.6 | 70 | <u>72.6</u> | 65.6 | <u>73.4</u> | Y | N | 0.8 | N |
| | | 3 | 22.4 | 70 | <u>74.0</u> | 67.3 | <u>74.9</u> | Y | N | 0.9 | N |
| Domestic Premises | OTT3 | 1 | 16.8 | 70 | <u>72.7</u> | 64.8 | <u>73.4</u> | Y | N | 0.7 | N |
| | | 2 | 19.6 | 70 | <u>73.9</u> | 66.3 | <u>74.6</u> | Y | N | 0.7 | N |
| | | 3 | 22.4 | 70 | <u>74.9</u> | 68.2 | <u>75.8</u> | Y | N | 0.9 | N |
| Domestic Premises | OTT4 | 1 | 16.8 | 70 | <u>71.5</u> | 63.1 | <u>72.1</u> | Y | N | 0.6 | N |
| | | 2 | 19.6 | 70 | <u>72.7</u> | 64.1 | <u>73.3</u> | Y | N | 0.6 | N |
| | | 3 | 22.4 | 70 | <u>73.6</u> | 65.7 | <u>74.3</u> | Y | N | 0.7 | N |
| Domestic Premises | MV1 | 1 | 21.1 | 70 | 67.3 | 60.5 | 68.1 | N | N | 0.8 | N |
| | | 2 | 23.9 | 70 | 68.3 | 61.5 | 69.1 | N | N | 0.8 | N |
| | | 3 | 26.7 | 70 | 69.3 | 62.0 | 70.0 | N | N | 0.7 | N |
| Domestic Premises | OLV1 | 1 | 27.6 | 70 | 67.4 | 60.1 | 68.2 | N | N | 0.8 | N |
| | | 2 | 30.4 | 70 | 68.4 | 60.8 | 69.1 | N | N | 0.7 | N |
| | | 3 | 33.2 | 70 | 69.3 | 61.5 | 70.0 | N | N | 0.7 | N |
| | | 4 | 36 | 70 | 70.0 | 62.2 | <u>70.6</u> | Y | N | 0.6 | N |
| | | 5 | 38.8 | 70 | <u>70.5</u> | 62.9 | <u>71.2</u> | Y | N | 0.7 | N |
| Domestic Premises | MLV1 | 1 | 33 | 70 | 67.5 | 59.3 | 68.1 | N | N | 0.6 | N |
| | | 2 | 35.8 | 70 | 68.1 | 59.8 | 68.7 | N | N | 0.6 | N |
| | | 3 | 38.6 | 70 | 68.5 | 60.3 | 69.1 | N | N | 0.6 | N |
| | | 4 | 41.4 | 70 | 68.9 | 60.9 | 69.6 | N | N | 0.7 | N |
| Domestic Premises | VM | 1 | 8.4 | 70 | 68.6 | 59.9 | 69.1 | N | N | 0.5 | N |
| | | 2 | 11.2 | 70 | 69.2 | 60.9 | 69.8 | N | N | 0.6 | N |
| | | 3 | 14 | 70 | 69.9 | 62.0 | <u>70.5</u> | Y | N | 0.6 | N |
| | | 4 | 16.8 | 70 | <u>70.7</u> | 63.2 | <u>71.4</u> | Y | N | 0.7 | N |
| Domestic Premises | TFSR1 | 1 | 41.4 | 70 | <u>74.2</u> | 63.6 | <u>74.5</u> | Y | N | 0.3 | N |
| | | 2 | 44.2 | 70 | <u>74.5</u> | 63.9 | <u>74.8</u> | Y | N | 0.3 | N |
| | | 3 | 47 | 70 | <u>74.7</u> | 64.3 | <u>75.1</u> | Y | N | 0.4 | N |
| Domestic Premises | TFSR2 | 1 | 33.7 | 70 | <u>74.7</u> | 61.9 | <u>74.9</u> | Y | N | 0.2 | N |
| | | 2 | 36.5 | 70 | <u>75.1</u> | 62.4 | <u>75.4</u> | Y | N | 0.3 | N |
| | | 3 | 39.3 | 70 | <u>75.5</u> | 62.9 | <u>75.7</u> | Y | N | 0.2 | N |
| | | 4 | 42.1 | 70 | <u>75.8</u> | 63.3 | <u>76.0</u> | Y | N | 0.2 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | TFSR3 | 1 | 43.9 | 70 | <u>73.4</u> | 60.0 | <u>73.6</u> | Y | N | 0.2 | N |
| | | 2 | 46.7 | 70 | <u>73.8</u> | 60.9 | <u>74.0</u> | Y | N | 0.2 | N |
| | | 3 | 49.5 | 70 | <u>74.3</u> | 61.9 | <u>74.5</u> | Y | N | 0.2 | N |
| Domestic Premises | TFSR4 | 1 | 19.9 | 70 | <u>67.0</u> | 59.0 | <u>67.6</u> | N | N | 0.6 | N |
| | | 2 | 22.7 | 70 | <u>68.4</u> | 60.3 | <u>69.0</u> | N | N | 0.6 | N |
| | | 3 | 25.5 | 70 | <u>69.6</u> | 61.4 | <u>70.2</u> | N | N | 0.6 | N |
| Place of Public Worship | PRC1 | 1 | 16.3 | 65 | <u>69.7</u> | 61.6 | <u>70.3</u> | Y | N | 0.6 | N |
| | | 2 | 19.1 | 65 | <u>70.7</u> | 62.7 | <u>71.3</u> | Y | N | 0.6 | N |
| Place of Public Worship | LDSC1 | 1 | 8.8 | 65 | <u>67.9</u> | 56.0 | <u>68.2</u> | Y | N | 0.3 | N |
| | | 2 | 11.6 | 65 | <u>68.6</u> | 57.3 | <u>68.9</u> | Y | N | 0.3 | N |
| Domestic Premises | VLP1 | 1 | 32 | 70 | <u>72.5</u> | 58.1 | <u>72.6</u> | Y | N | 0.1 | N |
| | | 2 | 34.8 | 70 | <u>73.0</u> | 58.5 | <u>73.2</u> | Y | N | 0.2 | N |
| | | 3 | 37.6 | 70 | <u>73.5</u> | 58.9 | <u>73.6</u> | Y | N | 0.1 | N |
| | | 4 | 40.4 | 70 | <u>73.9</u> | 59.2 | <u>74.0</u> | Y | N | 0.1 | N |
| Domestic Premises | VLP2 | 1 | 32 | 70 | <u>71.6</u> | 57.5 | <u>71.8</u> | Y | N | 0.2 | N |
| | | 2 | 34.8 | 70 | <u>72.1</u> | 57.8 | <u>72.2</u> | Y | N | 0.1 | N |
| | | 3 | 37.6 | 70 | <u>72.5</u> | 58.2 | <u>72.6</u> | Y | N | 0.1 | N |
| | | 4 | 40.4 | 70 | <u>72.9</u> | 58.6 | <u>73.0</u> | Y | N | 0.1 | N |
| Domestic Premises | LCY1 | 1 | 17.2 | 70 | <u>69.6</u> | 52.1 | <u>69.7</u> | N | N | 0.1 | N |
| | | 2 | 20 | 70 | <u>70.4</u> | 54.1 | <u>70.5</u> | Y | N | 0.1 | N |
| Clinics | STC1 | 1 | 6 | 55 | <u>72.1</u> | <u>55.8</u> | <u>72.2</u> | Y | Y | 0.1 | Y |
| Clinics | STC2 | 1 | 6 | 55 | <u>69.4</u> | <u>56.2</u> | <u>69.6</u> | Y | Y | 0.2 | Y |
| | | 2 | 8.8 | 55 | <u>70.0</u> | <u>57.0</u> | <u>70.2</u> | Y | Y | 0.2 | Y |
| Clinics | STC3 | 1 | 6 | 55 | <u>69.6</u> | <u>56.6</u> | <u>69.9</u> | Y | Y | 0.3 | Y |
| | | 2 | 8.8 | 55 | <u>70.4</u> | <u>57.5</u> | <u>70.6</u> | Y | Y | 0.2 | Y |
| Educational Institutions | CICE1 | 1 | 6.8 | 65 | <u>67.0</u> | 56.6 | <u>67.3</u> | Y | N | 0.3 | N |
| | | 2 | 9.6 | 65 | <u>67.4</u> | 57.4 | <u>67.8</u> | Y | N | 0.4 | N |
| | | 3 | 12.4 | 65 | <u>67.8</u> | 58.3 | <u>68.3</u> | Y | N | 0.5 | N |
| | | 4 | 15.2 | 65 | <u>68.5</u> | 59.1 | <u>69.0</u> | Y | N | 0.5 | N |
| | | 5 | 18 | 65 | <u>69.2</u> | 59.9 | <u>69.6</u> | Y | N | 0.4 | N |
| | | 6 | 20.8 | 65 | <u>69.7</u> | 60.9 | <u>70.3</u> | Y | N | 0.6 | N |
| | | 7 | 23.6 | 65 | <u>70.2</u> | 61.8 | <u>70.8</u> | Y | N | 0.6 | N |
| Domestic Premises | SC1 | 1 | 21.1 | 70 | <u>72.5</u> | 60.6 | <u>72.8</u> | Y | N | 0.3 | N |
| | | 2 | 23.9 | 70 | <u>73.1</u> | 61.3 | <u>73.4</u> | Y | N | 0.3 | N |
| | | 3 | 26.7 | 70 | <u>73.8</u> | 62.0 | <u>74.1</u> | Y | N | 0.3 | N |
| | | 4 | 29.5 | 70 | <u>74.2</u> | 62.5 | <u>74.5</u> | Y | N | 0.3 | N |
| | | 5 | 32.3 | 70 | <u>74.3</u> | 63.0 | <u>74.6</u> | Y | N | 0.3 | N |
| | | 6 | 35.1 | 70 | <u>74.4</u> | 63.6 | <u>74.7</u> | Y | N | 0.3 | N |
| | | 7 | 37.9 | 70 | <u>74.4</u> | 64.1 | <u>74.8</u> | Y | N | 0.4 | N |
| | | 8 | 40.7 | 70 | <u>74.3</u> | 64.6 | <u>74.8</u> | Y | N | 0.5 | N |
| | | 9 | 43.5 | 70 | <u>74.3</u> | 65.0 | <u>74.8</u> | Y | N | 0.5 | N |
| | | 10 | 46.3 | 70 | <u>74.2</u> | 65.3 | <u>74.8</u> | Y | N | 0.6 | N |
| | | 11 | 49.1 | 70 | <u>74.2</u> | 65.6 | <u>74.7</u> | Y | N | 0.5 | N |
| | | 12 | 51.9 | 70 | <u>74.1</u> | 65.8 | <u>74.7</u> | Y | N | 0.6 | N |
| | | 13 | 54.7 | 70 | <u>74.0</u> | 65.9 | <u>74.7</u> | Y | N | 0.7 | N |
| | | 14 | 57.5 | 70 | <u>73.9</u> | 66.0 | <u>74.6</u> | Y | N | 0.7 | N |
| | | 15 | 60.3 | 70 | <u>73.9</u> | 66.1 | <u>74.6</u> | Y | N | 0.7 | N |
| | | 16 | 63.1 | 70 | <u>73.8</u> | 66.2 | <u>74.5</u> | Y | N | 0.7 | N |
| | | 17 | 65.9 | 70 | <u>73.8</u> | 66.3 | <u>74.5</u> | Y | N | 0.7 | N |
| | | 18 | 68.7 | 70 | <u>73.7</u> | 66.3 | <u>74.4</u> | Y | N | 0.7 | N |
| | | 19 | 71.5 | 70 | <u>73.6</u> | 66.3 | <u>74.4</u> | Y | N | 0.8 | N |
| | | 20 | 74.3 | 70 | <u>73.5</u> | 66.3 | <u>74.3</u> | Y | N | 0.8 | N |
| | | 21 | 77.1 | 70 | <u>73.5</u> | 66.3 | <u>74.2</u> | Y | N | 0.7 | N |
| | | 22 | 79.9 | 70 | <u>73.4</u> | 66.3 | <u>74.2</u> | Y | N | 0.8 | N |
| | | 23 | 82.7 | 70 | <u>73.3</u> | 66.3 | <u>74.1</u> | Y | N | 0.8 | N |
| Domestic Premises | SC2 | 1 | 21.1 | 70 | <u>72.8</u> | 60.3 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 2 | 23.9 | 70 | <u>74.1</u> | 61.2 | <u>74.3</u> | Y | N | 0.2 | N |
| | | 3 | 26.7 | 70 | <u>74.8</u> | 61.7 | <u>75.0</u> | Y | N | 0.2 | N |
| | | 4 | 29.5 | 70 | <u>75.1</u> | 62.2 | <u>75.4</u> | Y | N | 0.3 | N |
| | | 5 | 32.3 | 70 | <u>75.4</u> | 62.7 | <u>75.6</u> | Y | N | 0.2 | N |
| | | 6 | 35.1 | 70 | <u>75.7</u> | 63.1 | <u>75.9</u> | Y | N | 0.2 | N |
| | | 7 | 37.9 | 70 | <u>75.8</u> | 63.6 | <u>76.1</u> | Y | N | 0.3 | N |
| | | 8 | 40.7 | 70 | <u>76.0</u> | 64.1 | <u>76.3</u> | Y | N | 0.3 | N |
| | | 9 | 43.5 | 70 | <u>76.1</u> | 64.5 | <u>76.4</u> | Y | N | 0.3 | N |
| | | 10 | 46.3 | 70 | <u>76.3</u> | 64.8 | <u>76.6</u> | Y | N | 0.3 | N |
| | | 11 | 49.1 | 70 | <u>76.5</u> | 65.1 | <u>76.8</u> | Y | N | 0.3 | N |
| | | 12 | 51.9 | 70 | <u>76.6</u> | 65.4 | <u>76.9</u> | Y | N | 0.3 | N |
| | | 13 | 54.7 | 70 | <u>76.7</u> | 65.6 | <u>77.0</u> | Y | N | 0.3 | N |
| | | 14 | 57.5 | 70 | <u>76.8</u> | 65.7 | <u>77.1</u> | Y | N | 0.3 | N |
| | | 15 | 60.3 | 70 | <u>76.8</u> | 65.8 | <u>77.2</u> | Y | N | 0.4 | N |
| | | 16 | 63.1 | 70 | <u>76.9</u> | 65.9 | <u>77.2</u> | Y | N | 0.3 | N |
| | | 17 | 65.9 | 70 | <u>77.0</u> | 66.0 | <u>77.3</u> | Y | N | 0.3 | N |
| | | 18 | 68.7 | 70 | <u>77.0</u> | 66.1 | <u>77.3</u> | Y | N | 0.3 | N |
| | | 19 | 71.5 | 70 | <u>77.0</u> | 66.1 | <u>77.3</u> | Y | N | 0.3 | N |
| | | 20 | 74.3 | 70 | <u>77.0</u> | 66.1 | <u>77.4</u> | Y | N | 0.4 | N |
| | | 21 | 77.1 | 70 | <u>77.1</u> | 66.1 | <u>77.4</u> | Y | N | 0.3 | N |
| | | 22 | 79.9 | 70 | <u>77.1</u> | 66.1 | <u>77.5</u> | Y | N | 0.4 | N |
| | | 23 | 82.7 | 70 | <u>77.2</u> | 66.1 | <u>77.5</u> | Y | N | 0.3 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | SC3 | 1 | 21.1 | 70 | <u>72.4</u> | 56.3 | <u>72.5</u> | Y | N | 0.1 | N |
| | | 2 | 23.9 | 70 | <u>73.5</u> | 57.0 | <u>73.6</u> | Y | N | 0.1 | N |
| | | 3 | 26.7 | 70 | <u>74.1</u> | 57.4 | <u>74.2</u> | Y | N | 0.1 | N |
| | | 4 | 29.5 | 70 | <u>74.6</u> | 57.9 | <u>74.6</u> | Y | N | 0.0 | N |
| | | 5 | 32.3 | 70 | <u>74.9</u> | 58.2 | <u>75.0</u> | Y | N | 0.1 | N |
| | | 6 | 35.1 | 70 | <u>75.1</u> | 58.5 | <u>75.2</u> | Y | N | 0.1 | N |
| | | 7 | 37.9 | 70 | <u>75.4</u> | 58.9 | <u>75.5</u> | Y | N | 0.1 | N |
| | | 8 | 40.7 | 70 | <u>75.7</u> | 59.3 | <u>75.8</u> | Y | N | 0.1 | N |
| | | 9 | 43.5 | 70 | <u>76.0</u> | 59.7 | <u>76.1</u> | Y | N | 0.1 | N |
| | | 10 | 46.3 | 70 | <u>76.2</u> | 60.1 | <u>76.3</u> | Y | N | 0.1 | N |
| | | 11 | 49.1 | 70 | <u>76.4</u> | 60.4 | <u>76.5</u> | Y | N | 0.1 | N |
| | | 12 | 51.9 | 70 | <u>76.5</u> | 60.7 | <u>76.6</u> | Y | N | 0.1 | N |
| | | 13 | 54.7 | 70 | <u>76.5</u> | 61.0 | <u>76.6</u> | Y | N | 0.1 | N |
| | | 14 | 57.5 | 70 | <u>76.5</u> | 61.2 | <u>76.6</u> | Y | N | 0.1 | N |
| | | 15 | 60.3 | 70 | <u>76.6</u> | 61.4 | <u>76.7</u> | Y | N | 0.1 | N |
| | | 16 | 63.1 | 70 | <u>76.6</u> | 61.5 | <u>76.7</u> | Y | N | 0.1 | N |
| | | 17 | 65.9 | 70 | <u>76.6</u> | 61.7 | <u>76.7</u> | Y | N | 0.1 | N |
| | | 18 | 68.7 | 70 | <u>76.6</u> | 61.8 | <u>76.8</u> | Y | N | 0.2 | N |
| | | 19 | 71.5 | 70 | <u>76.6</u> | 61.9 | <u>76.8</u> | Y | N | 0.2 | N |
| | | 20 | 74.3 | 70 | <u>76.7</u> | 62.0 | <u>76.8</u> | Y | N | 0.1 | N |
| | | 21 | 77.1 | 70 | <u>76.7</u> | 62.1 | <u>76.8</u> | Y | N | 0.1 | N |
| | | 22 | 79.9 | 70 | <u>76.7</u> | 62.1 | <u>76.9</u> | Y | N | 0.2 | N |
| | | 23 | 82.7 | 70 | <u>76.7</u> | 62.2 | <u>76.9</u> | Y | N | 0.2 | N |
| Domestic Premises | HP1 | 1 | 21.1 | 70 | <u>72.6</u> | 59.4 | <u>72.8</u> | Y | N | 0.2 | N |
| | | 2 | 23.9 | 70 | <u>74.2</u> | 60.1 | <u>74.4</u> | Y | N | 0.2 | N |
| | | 3 | 26.7 | 70 | <u>74.5</u> | 60.9 | <u>74.7</u> | Y | N | 0.2 | N |
| | | 4 | 29.5 | 70 | <u>74.6</u> | 61.4 | <u>74.8</u> | Y | N | 0.2 | N |
| | | 5 | 32.3 | 70 | <u>74.5</u> | 61.7 | <u>74.7</u> | Y | N | 0.2 | N |
| | | 6 | 35.1 | 70 | <u>74.4</u> | 62.1 | <u>74.7</u> | Y | N | 0.3 | N |
| | | 7 | 37.9 | 70 | <u>74.3</u> | 62.4 | <u>74.6</u> | Y | N | 0.3 | N |
| | | 8 | 40.7 | 70 | <u>74.2</u> | 62.8 | <u>74.5</u> | Y | N | 0.3 | N |
| | | 9 | 43.5 | 70 | <u>74.1</u> | 63.1 | <u>74.5</u> | Y | N | 0.4 | N |
| | | 10 | 46.3 | 70 | <u>74.0</u> | 63.5 | <u>74.4</u> | Y | N | 0.4 | N |
| | | 11 | 49.1 | 70 | <u>73.9</u> | 63.8 | <u>74.3</u> | Y | N | 0.4 | N |
| | | 12 | 51.9 | 70 | <u>73.8</u> | 64.0 | <u>74.2</u> | Y | N | 0.4 | N |
| | | 13 | 54.7 | 70 | <u>73.7</u> | 64.2 | <u>74.1</u> | Y | N | 0.4 | N |
| | | 14 | 57.5 | 70 | <u>73.5</u> | 64.4 | <u>74.0</u> | Y | N | 0.5 | N |
| | | 15 | 60.3 | 70 | <u>73.4</u> | 64.5 | <u>74.0</u> | Y | N | 0.6 | N |
| | | 16 | 63.1 | 70 | <u>73.3</u> | 64.6 | <u>73.9</u> | Y | N | 0.6 | N |
| | | 17 | 65.9 | 70 | <u>73.2</u> | 64.7 | <u>73.8</u> | Y | N | 0.6 | N |
| | | 18 | 68.7 | 70 | <u>73.1</u> | 64.8 | <u>73.7</u> | Y | N | 0.6 | N |
| | | 19 | 71.5 | 70 | <u>73.0</u> | 64.9 | <u>73.6</u> | Y | N | 0.6 | N |
| | | 20 | 74.3 | 70 | <u>72.9</u> | 65.0 | <u>73.5</u> | Y | N | 0.6 | N |
| | | 21 | 77.1 | 70 | <u>72.8</u> | 65.0 | <u>73.4</u> | Y | N | 0.6 | N |
| | | 22 | 79.9 | 70 | <u>72.7</u> | 65.0 | <u>73.4</u> | Y | N | 0.7 | N |
| | | 23 | 82.7 | 70 | <u>72.6</u> | 65.1 | <u>73.3</u> | Y | N | 0.7 | N |
| | | 24 | 85.5 | 70 | <u>72.5</u> | 65.1 | <u>73.2</u> | Y | N | 0.7 | N |
| | | 25 | 88.3 | 70 | <u>72.4</u> | 65.1 | <u>73.1</u> | Y | N | 0.7 | N |
| | | 26 | 91.1 | 70 | <u>72.3</u> | 65.1 | <u>73.1</u> | Y | N | 0.8 | N |
| | | 27 | 93.9 | 70 | <u>72.2</u> | 65.1 | <u>73.0</u> | Y | N | 0.8 | N |
| | | 28 | 96.7 | 70 | <u>72.2</u> | 65.1 | <u>72.9</u> | Y | N | 0.7 | N |
| | | 29 | 99.5 | 70 | <u>72.1</u> | 65.1 | <u>72.9</u> | Y | N | 0.8 | N |
| Domestic Premises | HP2 | 1 | 21.1 | 70 | <u>70.2</u> | 59.5 | <u>70.6</u> | Y | N | 0.4 | N |
| | | 2 | 23.9 | 70 | <u>71.0</u> | 60.2 | <u>71.4</u> | Y | N | 0.4 | N |
| | | 3 | 26.7 | 70 | <u>71.7</u> | 60.9 | <u>72.0</u> | Y | N | 0.3 | N |
| | | 4 | 29.5 | 70 | <u>72.0</u> | 61.4 | <u>72.4</u> | Y | N | 0.4 | N |
| | | 5 | 32.3 | 70 | <u>72.3</u> | 61.7 | <u>72.6</u> | Y | N | 0.3 | N |
| | | 6 | 35.1 | 70 | <u>72.4</u> | 62.1 | <u>72.8</u> | Y | N | 0.4 | N |
| | | 7 | 37.9 | 70 | <u>72.5</u> | 62.5 | <u>72.9</u> | Y | N | 0.4 | N |
| | | 8 | 40.7 | 70 | <u>72.5</u> | 62.8 | <u>72.9</u> | Y | N | 0.4 | N |
| | | 9 | 43.5 | 70 | <u>72.4</u> | 63.2 | <u>72.9</u> | Y | N | 0.5 | N |
| | | 10 | 46.3 | 70 | <u>72.3</u> | 63.5 | <u>72.9</u> | Y | N | 0.6 | N |
| | | 11 | 49.1 | 70 | <u>72.3</u> | 63.8 | <u>72.9</u> | Y | N | 0.6 | N |
| | | 12 | 51.9 | 70 | <u>72.2</u> | 64.1 | <u>72.8</u> | Y | N | 0.6 | N |
| | | 13 | 54.7 | 70 | <u>72.1</u> | 64.3 | <u>72.8</u> | Y | N | 0.7 | N |
| | | 14 | 57.5 | 70 | <u>72.0</u> | 64.5 | <u>72.7</u> | Y | N | 0.7 | N |
| | | 15 | 60.3 | 70 | <u>72.0</u> | 64.6 | <u>72.7</u> | Y | N | 0.7 | N |
| | | 16 | 63.1 | 70 | <u>71.9</u> | 64.7 | <u>72.7</u> | Y | N | 0.8 | N |
| | | 17 | 65.9 | 70 | <u>71.9</u> | 64.8 | <u>72.7</u> | Y | N | 0.8 | N |
| | | 18 | 68.7 | 70 | <u>71.8</u> | 64.9 | <u>72.6</u> | Y | N | 0.8 | N |
| | | 19 | 71.5 | 70 | <u>71.8</u> | 65.0 | <u>72.6</u> | Y | N | 0.8 | N |
| | | 20 | 74.3 | 70 | <u>71.8</u> | 65.0 | <u>72.6</u> | Y | N | 0.8 | N |
| | | 21 | 77.1 | 70 | <u>71.7</u> | 65.1 | <u>72.6</u> | Y | N | 0.9 | N |
| | | 22 | 79.9 | 70 | <u>71.7</u> | 65.1 | <u>72.6</u> | Y | N | 0.9 | N |
| | | 23 | 82.7 | 70 | <u>71.7</u> | 65.1 | <u>72.6</u> | Y | N | 0.9 | N |
| | | 24 | 85.5 | 70 | <u>71.7</u> | 65.1 | <u>72.5</u> | Y | N | 0.8 | N |
| | | 25 | 88.3 | 70 | <u>71.6</u> | 65.1 | <u>72.5</u> | Y | N | 0.9 | N |
| | | 26 | 91.1 | 70 | <u>71.6</u> | 65.2 | <u>72.5</u> | Y | N | 0.9 | N |
| | | 27 | 93.9 | 70 | <u>71.5</u> | 65.2 | <u>72.4</u> | Y | N | 0.9 | N |
| | | 28 | 96.7 | 70 | <u>71.5</u> | 65.2 | <u>72.4</u> | Y | N | 0.9 | N |
| | | 29 | 99.5 | 70 | <u>71.4</u> | 65.1 | <u>72.3</u> | Y | N | 0.9 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | HP3 | 1 | 21.1 | 70 | 69.9 | 55.1 | 70.1 | N | N | 0.2 | N |
| | | 2 | 23.9 | 70 | <u>71.1</u> | 55.7 | <u>71.3</u> | Y | N | 0.2 | N |
| | | 3 | 26.7 | 70 | <u>72.3</u> | 56.2 | <u>72.4</u> | Y | N | 0.1 | N |
| | | 4 | 29.5 | 70 | <u>73.2</u> | 56.6 | <u>73.3</u> | Y | N | 0.1 | N |
| | | 5 | 32.3 | 70 | <u>73.9</u> | 57.0 | <u>74.0</u> | Y | N | 0.1 | N |
| | | 6 | 35.1 | 70 | <u>74.8</u> | 57.3 | <u>74.9</u> | Y | N | 0.1 | N |
| | | 7 | 37.9 | 70 | <u>75.6</u> | 57.5 | <u>75.7</u> | Y | N | 0.1 | N |
| | | 8 | 40.7 | 70 | <u>76.1</u> | 57.8 | <u>76.2</u> | Y | N | 0.1 | N |
| | | 9 | 43.5 | 70 | <u>76.3</u> | 58.1 | <u>76.4</u> | Y | N | 0.1 | N |
| | | 10 | 46.3 | 70 | <u>76.4</u> | 58.4 | <u>76.4</u> | Y | N | 0.0 | N |
| | | 11 | 49.1 | 70 | <u>76.3</u> | 58.7 | <u>76.4</u> | Y | N | 0.1 | N |
| | | 12 | 51.9 | 70 | <u>76.3</u> | 59.0 | <u>76.4</u> | Y | N | 0.1 | N |
| | | 13 | 54.7 | 70 | <u>76.3</u> | 59.2 | <u>76.3</u> | Y | N | 0.0 | N |
| | | 14 | 57.5 | 70 | <u>76.2</u> | 59.5 | <u>76.3</u> | Y | N | 0.1 | N |
| | | 15 | 60.3 | 70 | <u>76.2</u> | 59.7 | <u>76.3</u> | Y | N | 0.1 | N |
| | | 16 | 63.1 | 70 | <u>76.1</u> | 59.9 | <u>76.2</u> | Y | N | 0.1 | N |
| | | 17 | 65.9 | 70 | <u>76.1</u> | 60.1 | <u>76.2</u> | Y | N | 0.1 | N |
| | | 18 | 68.7 | 70 | <u>76.0</u> | 60.2 | <u>76.1</u> | Y | N | 0.1 | N |
| | | 19 | 71.5 | 70 | <u>76.0</u> | 60.4 | <u>76.1</u> | Y | N | 0.1 | N |
| | | 20 | 74.3 | 70 | <u>75.9</u> | 60.5 | <u>76.0</u> | Y | N | 0.1 | N |
| | | 21 | 77.1 | 70 | <u>75.9</u> | 60.6 | <u>76.0</u> | Y | N | 0.1 | N |
| | | 22 | 79.9 | 70 | <u>75.9</u> | 60.8 | <u>76.0</u> | Y | N | 0.1 | N |
| | | 23 | 82.7 | 70 | <u>75.9</u> | 60.9 | <u>76.0</u> | Y | N | 0.1 | N |
| | | 24 | 85.5 | 70 | <u>75.8</u> | 61.0 | <u>75.9</u> | Y | N | 0.1 | N |
| | | 25 | 88.3 | 70 | <u>75.8</u> | 61.1 | <u>75.9</u> | Y | N | 0.1 | N |
| | | 26 | 91.1 | 70 | <u>75.7</u> | 61.2 | <u>75.9</u> | Y | N | 0.2 | N |
| | | 27 | 93.9 | 70 | <u>75.7</u> | 61.3 | <u>75.8</u> | Y | N | 0.1 | N |
| | | 28 | 96.7 | 70 | <u>75.6</u> | 61.4 | <u>75.8</u> | Y | N | 0.2 | N |
| | | 29 | 99.5 | 70 | <u>75.6</u> | 61.7 | <u>75.7</u> | Y | N | 0.1 | N |
| Domestic Premises | IC1 | 1 | 21.4 | 70 | 66.7 | 56.9 | 67.1 | N | N | 0.4 | N |
| | | 2 | 24.2 | 70 | 68.8 | 57.5 | 69.1 | N | N | 0.3 | N |
| | | 3 | 27 | 70 | 70.4 | 58.1 | <u>70.7</u> | Y | N | 0.3 | N |
| | | 4 | 29.8 | 70 | <u>71.8</u> | 58.6 | <u>72.0</u> | Y | N | 0.2 | N |
| | | 5 | 32.6 | 70 | <u>72.7</u> | 59.0 | <u>72.8</u> | Y | N | 0.1 | N |
| | | 6 | 35.4 | 70 | <u>72.9</u> | 59.2 | <u>73.1</u> | Y | N | 0.2 | N |
| | | 7 | 38.2 | 70 | <u>72.9</u> | 59.5 | <u>73.1</u> | Y | N | 0.2 | N |
| | | 8 | 41 | 70 | <u>72.9</u> | 59.8 | <u>73.1</u> | Y | N | 0.2 | N |
| | | 9 | 43.8 | 70 | <u>72.8</u> | 60.1 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 10 | 46.6 | 70 | <u>72.7</u> | 60.4 | <u>72.9</u> | Y | N | 0.2 | N |
| | | 11 | 49.4 | 70 | <u>72.5</u> | 60.7 | <u>72.8</u> | Y | N | 0.3 | N |
| | | 12 | 52.2 | 70 | <u>72.4</u> | 60.9 | <u>72.7</u> | Y | N | 0.3 | N |
| | | 13 | 55 | 70 | <u>72.2</u> | 61.2 | <u>72.6</u> | Y | N | 0.4 | N |
| | | 14 | 57.8 | 70 | <u>72.1</u> | 61.4 | <u>72.5</u> | Y | N | 0.4 | N |
| | | 15 | 60.6 | 70 | <u>71.9</u> | 61.6 | <u>72.3</u> | Y | N | 0.4 | N |
| | | 16 | 63.4 | 70 | <u>71.9</u> | 61.8 | <u>72.3</u> | Y | N | 0.4 | N |
| | | 17 | 66.2 | 70 | <u>71.7</u> | 62.0 | <u>72.2</u> | Y | N | 0.5 | N |
| | | 18 | 69 | 70 | <u>71.6</u> | 62.1 | <u>72.1</u> | Y | N | 0.5 | N |
| | | 19 | 71.8 | 70 | <u>71.5</u> | 62.2 | <u>72.0</u> | Y | N | 0.5 | N |
| | | 20 | 74.6 | 70 | <u>71.3</u> | 62.4 | <u>71.9</u> | Y | N | 0.6 | N |
| | | 21 | 77.4 | 70 | <u>71.3</u> | 62.5 | <u>71.8</u> | Y | N | 0.5 | N |
| | | 22 | 80.2 | 70 | <u>71.1</u> | 62.5 | <u>71.7</u> | Y | N | 0.6 | N |
| Domestic Premises | IC2 | 1 | 21.4 | 70 | <u>75.9</u> | 57.3 | <u>75.9</u> | Y | N | 0.0 | N |
| | | 2 | 24.2 | 70 | <u>75.6</u> | 57.9 | <u>75.6</u> | Y | N | 0.0 | N |
| | | 3 | 27 | 70 | <u>75.2</u> | 58.6 | <u>75.3</u> | Y | N | 0.1 | N |
| | | 4 | 29.8 | 70 | <u>74.9</u> | 59.2 | <u>75.0</u> | Y | N | 0.1 | N |
| | | 5 | 32.6 | 70 | <u>74.7</u> | 59.5 | <u>74.8</u> | Y | N | 0.1 | N |
| | | 6 | 35.4 | 70 | <u>74.4</u> | 59.8 | <u>74.6</u> | Y | N | 0.2 | N |
| | | 7 | 38.2 | 70 | <u>74.2</u> | 60.1 | <u>74.3</u> | Y | N | 0.1 | N |
| | | 8 | 41 | 70 | <u>74.0</u> | 60.3 | <u>74.2</u> | Y | N | 0.2 | N |
| | | 9 | 43.8 | 70 | <u>73.8</u> | 60.6 | <u>74.0</u> | Y | N | 0.2 | N |
| | | 10 | 46.6 | 70 | <u>73.6</u> | 60.9 | <u>73.8</u> | Y | N | 0.2 | N |
| | | 11 | 49.4 | 70 | <u>73.4</u> | 61.1 | <u>73.7</u> | Y | N | 0.3 | N |
| | | 12 | 52.2 | 70 | <u>73.3</u> | 61.4 | <u>73.5</u> | Y | N | 0.2 | N |
| | | 13 | 55 | 70 | <u>73.1</u> | 61.6 | <u>73.4</u> | Y | N | 0.3 | N |
| | | 14 | 57.8 | 70 | <u>72.9</u> | 61.8 | <u>73.2</u> | Y | N | 0.3 | N |
| | | 15 | 60.6 | 70 | <u>72.8</u> | 62.0 | <u>73.1</u> | Y | N | 0.3 | N |
| | | 16 | 63.4 | 70 | <u>72.6</u> | 62.2 | <u>73.0</u> | Y | N | 0.4 | N |
| | | 17 | 66.2 | 70 | <u>72.5</u> | 62.3 | <u>72.9</u> | Y | N | 0.4 | N |
| | | 18 | 69 | 70 | <u>72.3</u> | 62.4 | <u>72.7</u> | Y | N | 0.4 | N |
| | | 19 | 71.8 | 70 | <u>72.2</u> | 62.6 | <u>72.6</u> | Y | N | 0.4 | N |
| | | 20 | 74.6 | 70 | <u>72.1</u> | 62.7 | <u>72.5</u> | Y | N | 0.4 | N |
| | | 21 | 77.4 | 70 | <u>71.9</u> | 62.8 | <u>72.4</u> | Y | N | 0.5 | N |
| | | 22 | 80.2 | 70 | <u>71.8</u> | 62.8 | <u>72.3</u> | Y | N | 0.5 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | RP1 | 1 | 29.7 | 70 | <u>72.9</u> | 70.4 | <u>74.9</u> | Y | N | 2.0 | Y |
| | | 2 | 32.5 | 70 | <u>73.0</u> | <u>70.6</u> | <u>75.0</u> | Y | Y | 2.0 | Y |
| | | 3 | 35.3 | 70 | <u>72.9</u> | <u>70.7</u> | <u>75.0</u> | Y | Y | 2.1 | Y |
| | | 4 | 38.1 | 70 | <u>72.8</u> | <u>70.8</u> | <u>74.9</u> | Y | Y | 2.1 | Y |
| | | 5 | 40.9 | 70 | <u>72.7</u> | <u>70.8</u> | <u>74.9</u> | Y | Y | 2.2 | Y |
| | | 6 | 43.7 | 70 | <u>72.6</u> | <u>70.8</u> | <u>74.8</u> | Y | Y | 2.2 | Y |
| | | 7 | 46.5 | 70 | <u>72.5</u> | <u>70.8</u> | <u>74.7</u> | Y | Y | 2.2 | Y |
| | | 8 | 49.3 | 70 | <u>72.4</u> | <u>70.7</u> | <u>74.6</u> | Y | Y | 2.2 | Y |
| | | 9 | 52.1 | 70 | <u>72.2</u> | <u>70.6</u> | <u>74.5</u> | Y | Y | 2.3 | Y |
| | | 10 | 54.9 | 70 | <u>72.1</u> | <u>70.5</u> | <u>74.4</u> | Y | Y | 2.3 | Y |
| | | 11 | 57.7 | 70 | <u>72.0</u> | 70.4 | <u>74.3</u> | Y | N | 2.3 | Y |
| | | 12 | 60.5 | 70 | <u>71.9</u> | 70.3 | <u>74.2</u> | Y | N | 2.3 | Y |
| | | 13 | 63.3 | 70 | <u>71.8</u> | 70.2 | <u>74.1</u> | Y | N | 2.3 | Y |
| | | 14 | 66.1 | 70 | <u>71.7</u> | 70.1 | <u>74.0</u> | Y | N | 2.3 | Y |
| | | 15 | 68.9 | 70 | <u>71.6</u> | 70.0 | <u>73.9</u> | Y | N | 2.3 | Y |
| | | 16 | 71.7 | 70 | <u>71.5</u> | 69.9 | <u>73.8</u> | Y | N | 2.3 | Y |
| | | 17 | 74.5 | 70 | <u>71.4</u> | 69.8 | <u>73.7</u> | Y | N | 2.3 | Y |
| | | 18 | 77.3 | 70 | <u>71.3</u> | 69.7 | <u>73.6</u> | Y | N | 2.3 | Y |
| | | 19 | 80.1 | 70 | <u>71.2</u> | 69.5 | <u>73.5</u> | Y | N | 2.3 | Y |
| | | 20 | 82.9 | 70 | <u>71.1</u> | 69.4 | <u>73.3</u> | Y | N | 2.2 | Y |
| | | 21 | 85.7 | 70 | <u>71.0</u> | 69.3 | <u>73.3</u> | Y | N | 2.3 | Y |
| | | 22 | 88.5 | 70 | <u>70.9</u> | 69.2 | <u>73.1</u> | Y | N | 2.2 | Y |
| | | 23 | 91.3 | 70 | <u>70.8</u> | 69.2 | <u>73.1</u> | Y | N | 2.3 | Y |
| | | 24 | 94.1 | 70 | <u>70.7</u> | 69.1 | <u>73.0</u> | Y | N | 2.3 | Y |
| | | 25 | 96.9 | 70 | <u>70.6</u> | 69.0 | <u>72.9</u> | Y | N | 2.3 | Y |
| | | 26 | 99.7 | 70 | <u>70.5</u> | 68.9 | <u>72.8</u> | Y | N | 2.3 | Y |
| | | 27 | 102.5 | 70 | 70.4 | 68.8 | <u>72.7</u> | Y | N | 2.3 | Y |
| | | 28 | 105.3 | 70 | 70.3 | 68.7 | <u>72.6</u> | Y | N | 2.3 | Y |
| | | 29 | 108.1 | 70 | 70.2 | 68.6 | <u>72.5</u> | Y | N | 2.3 | Y |
| | | 30 | 110.9 | 70 | 70.2 | 68.5 | <u>72.4</u> | Y | N | 2.2 | Y |
| | | 31 | 113.7 | 70 | 70.1 | 68.4 | <u>72.3</u> | Y | N | 2.2 | Y |
| | | 32 | 116.5 | 70 | 70.0 | 68.3 | <u>72.3</u> | Y | N | 2.3 | Y |
| | | 33 | 119.3 | 70 | 69.9 | 68.2 | <u>72.2</u> | Y | N | 2.3 | Y |
| | | 34 | 122.1 | 70 | 69.9 | 68.2 | <u>72.1</u> | Y | N | 2.2 | Y |
| | | 35 | 124.9 | 70 | 69.8 | 68.1 | <u>72.0</u> | Y | N | 2.2 | Y |
| | | 36 | 127.7 | 70 | 69.7 | 68.1 | <u>72.0</u> | Y | N | 2.3 | Y |
| Domestic Premises | RP2 | 1 | 29.7 | 70 | <u>71.3</u> | <u>72.8</u> | <u>75.1</u> | Y | Y | 3.8 | Y |
| | | 2 | 32.5 | 70 | <u>71.3</u> | <u>72.9</u> | <u>75.2</u> | Y | Y | 3.9 | Y |
| | | 3 | 35.3 | 70 | <u>71.2</u> | <u>72.9</u> | <u>75.2</u> | Y | Y | 4.0 | Y |
| | | 4 | 38.1 | 70 | <u>71.2</u> | <u>72.9</u> | <u>75.2</u> | Y | Y | 4.0 | Y |
| | | 5 | 40.9 | 70 | <u>71.2</u> | <u>72.9</u> | <u>75.1</u> | Y | Y | 3.9 | Y |
| | | 6 | 43.7 | 70 | <u>71.1</u> | <u>72.8</u> | <u>75.1</u> | Y | Y | 4.0 | Y |
| | | 7 | 46.5 | 70 | <u>71.1</u> | <u>72.7</u> | <u>75.0</u> | Y | Y | 3.9 | Y |
| | | 8 | 49.3 | 70 | <u>71.0</u> | <u>72.6</u> | <u>74.9</u> | Y | Y | 3.9 | Y |
| | | 9 | 52.1 | 70 | <u>71.0</u> | <u>72.5</u> | <u>74.8</u> | Y | Y | 3.8 | Y |
| | | 10 | 54.9 | 70 | <u>70.9</u> | <u>72.4</u> | <u>74.7</u> | Y | Y | 3.8 | Y |
| | | 11 | 57.7 | 70 | <u>70.8</u> | <u>72.2</u> | <u>74.6</u> | Y | Y | 3.8 | Y |
| | | 12 | 60.5 | 70 | <u>70.8</u> | <u>72.1</u> | <u>74.5</u> | Y | Y | 3.7 | Y |
| | | 13 | 63.3 | 70 | <u>70.7</u> | <u>72.0</u> | <u>74.4</u> | Y | Y | 3.7 | Y |
| | | 14 | 66.1 | 70 | <u>70.6</u> | <u>71.9</u> | <u>74.3</u> | Y | Y | 3.7 | Y |
| | | 15 | 68.9 | 70 | <u>70.6</u> | <u>71.7</u> | <u>74.2</u> | Y | Y | 3.6 | Y |
| | | 16 | 71.7 | 70 | <u>70.5</u> | <u>71.6</u> | <u>74.1</u> | Y | Y | 3.6 | Y |
| | | 17 | 74.5 | 70 | 70.4 | <u>71.5</u> | <u>74.0</u> | Y | Y | 3.6 | Y |
| | | 18 | 77.3 | 70 | 70.3 | <u>71.4</u> | <u>73.9</u> | Y | Y | 3.6 | Y |
| | | 19 | 80.1 | 70 | 70.2 | <u>71.2</u> | <u>73.8</u> | Y | Y | 3.6 | Y |
| | | 20 | 82.9 | 70 | 70.2 | <u>71.1</u> | <u>73.7</u> | Y | Y | 3.5 | Y |
| | | 21 | 85.7 | 70 | 70.1 | <u>71.0</u> | <u>73.6</u> | Y | Y | 3.5 | Y |
| | | 22 | 88.5 | 70 | 70.0 | <u>70.9</u> | <u>73.5</u> | Y | Y | 3.5 | Y |
| | | 23 | 91.3 | 70 | 70.0 | <u>70.8</u> | <u>73.4</u> | Y | Y | 3.4 | Y |
| | | 24 | 94.1 | 70 | 69.9 | <u>70.7</u> | <u>73.3</u> | Y | Y | 3.4 | Y |
| | | 25 | 96.9 | 70 | 69.8 | <u>70.6</u> | <u>73.2</u> | Y | Y | 3.4 | Y |
| | | 26 | 99.7 | 70 | 69.7 | <u>70.5</u> | <u>73.1</u> | Y | Y | 3.4 | Y |
| | | 27 | 102.5 | 70 | 69.6 | 70.4 | <u>73.0</u> | Y | N | 3.4 | Y |
| | | 28 | 105.3 | 70 | 69.6 | 70.3 | <u>72.9</u> | Y | N | 3.3 | Y |
| | | 29 | 108.1 | 70 | 69.5 | 70.2 | <u>72.9</u> | Y | N | 3.4 | Y |
| | | 30 | 110.9 | 70 | 69.4 | 70.1 | <u>72.8</u> | Y | N | 3.4 | Y |
| | | 31 | 113.7 | 70 | 69.4 | 70.0 | <u>72.7</u> | Y | N | 3.3 | Y |
| | | 32 | 116.5 | 70 | 69.3 | 69.9 | <u>72.6</u> | Y | N | 3.3 | Y |
| | | 33 | 119.3 | 70 | 69.2 | 69.8 | <u>72.5</u> | Y | N | 3.3 | Y |
| | | 34 | 122.1 | 70 | 69.1 | 69.7 | <u>72.4</u> | Y | N | 3.3 | Y |
| | | 35 | 124.9 | 70 | 69.1 | 69.6 | <u>72.4</u> | Y | N | 3.3 | Y |
| | | 36 | 127.7 | 70 | 69.0 | 69.5 | <u>72.3</u> | Y | N | 3.3 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | RP3 | 1 | 29.5 | 70 | <u>71.1</u> | <u>73.0</u> | <u>75.2</u> | Y | Y | 4.1 | Y |
| | | 2 | 32.3 | 70 | <u>71.1</u> | <u>73.1</u> | <u>75.2</u> | Y | Y | 4.1 | Y |
| | | 3 | 35.1 | 70 | <u>71.1</u> | <u>73.1</u> | <u>75.2</u> | Y | Y | 4.1 | Y |
| | | 4 | 37.9 | 70 | <u>71.0</u> | <u>73.1</u> | <u>75.2</u> | Y | Y | 4.2 | Y |
| | | 5 | 40.7 | 70 | <u>71.0</u> | <u>73.0</u> | <u>75.1</u> | Y | Y | 4.1 | Y |
| | | 6 | 43.5 | 70 | <u>71.0</u> | <u>72.9</u> | <u>75.1</u> | Y | Y | 4.1 | Y |
| | | 7 | 46.3 | 70 | <u>70.9</u> | <u>72.8</u> | <u>75.0</u> | Y | Y | 4.1 | Y |
| | | 8 | 49.1 | 70 | <u>70.9</u> | <u>72.7</u> | <u>74.9</u> | Y | Y | 4.0 | Y |
| | | 9 | 51.9 | 70 | <u>70.8</u> | <u>72.6</u> | <u>74.8</u> | Y | Y | 4.0 | Y |
| | | 10 | 54.7 | 70 | <u>70.7</u> | <u>72.5</u> | <u>74.7</u> | Y | Y | 4.0 | Y |
| | | 11 | 57.5 | 70 | <u>70.7</u> | <u>72.4</u> | <u>74.6</u> | Y | Y | 3.9 | Y |
| | | 12 | 60.3 | 70 | <u>70.6</u> | <u>72.2</u> | <u>74.5</u> | Y | Y | 3.9 | Y |
| | | 13 | 63.1 | 70 | <u>70.6</u> | <u>72.1</u> | <u>74.4</u> | Y | Y | 3.8 | Y |
| | | 14 | 65.9 | 70 | <u>70.5</u> | <u>72.0</u> | <u>74.3</u> | Y | Y | 3.8 | Y |
| | | 15 | 68.7 | 70 | 70.4 | <u>71.9</u> | <u>74.2</u> | Y | Y | 3.8 | Y |
| | | 16 | 71.5 | 70 | 70.4 | <u>71.7</u> | <u>74.1</u> | Y | Y | 3.7 | Y |
| | | 17 | 74.3 | 70 | 70.3 | <u>71.6</u> | <u>74.0</u> | Y | Y | 3.7 | Y |
| | | 18 | 77.1 | 70 | 70.2 | <u>71.5</u> | <u>73.9</u> | Y | Y | 3.7 | Y |
| | | 19 | 79.9 | 70 | 70.1 | <u>71.4</u> | <u>73.8</u> | Y | Y | 3.7 | Y |
| | | 20 | 82.7 | 70 | 70.1 | <u>71.2</u> | <u>73.7</u> | Y | Y | 3.6 | Y |
| | | 21 | 85.5 | 70 | 70.0 | <u>71.1</u> | <u>73.6</u> | Y | Y | 3.6 | Y |
| | | 22 | 88.3 | 70 | 69.9 | <u>71.0</u> | <u>73.5</u> | Y | Y | 3.6 | Y |
| | | 23 | 91.1 | 70 | 69.9 | <u>70.9</u> | <u>73.4</u> | Y | Y | 3.5 | Y |
| | | 24 | 93.9 | 70 | 69.8 | <u>70.8</u> | <u>73.3</u> | Y | Y | 3.5 | Y |
| | | 25 | 96.7 | 70 | 69.7 | <u>70.7</u> | <u>73.2</u> | Y | Y | 3.5 | Y |
| | | 26 | 99.5 | 70 | 69.6 | <u>70.6</u> | <u>73.1</u> | Y | Y | 3.5 | Y |
| | | 27 | 102.3 | 70 | 69.6 | <u>70.5</u> | <u>73.1</u> | Y | Y | 3.5 | Y |
| | | 28 | 105.1 | 70 | 69.5 | 70.4 | <u>73.0</u> | Y | N | 3.5 | Y |
| | | 29 | 107.9 | 70 | 69.4 | 70.3 | <u>72.9</u> | Y | N | 3.5 | Y |
| | | 30 | 110.7 | 70 | 69.4 | 70.2 | <u>72.8</u> | Y | N | 3.4 | Y |
| | | 31 | 113.5 | 70 | 69.3 | 70.1 | <u>72.7</u> | Y | N | 3.4 | Y |
| | | 32 | 116.3 | 70 | 69.2 | 70.0 | <u>72.6</u> | Y | N | 3.4 | Y |
| | | 33 | 119.1 | 70 | 69.2 | 69.9 | <u>72.6</u> | Y | N | 3.4 | Y |
| | | 34 | 121.9 | 70 | 69.1 | 69.8 | <u>72.5</u> | Y | N | 3.4 | Y |
| | | 35 | 124.7 | 70 | 69.0 | 69.7 | <u>72.4</u> | Y | N | 3.4 | Y |
| | | 36 | 127.5 | 70 | 69.0 | 69.6 | <u>72.3</u> | Y | N | 3.3 | Y |
| | | 37 | 130.3 | 70 | 68.9 | 69.6 | <u>72.3</u> | Y | N | 3.4 | Y |
| | | 38 | 133.1 | 70 | 68.8 | 69.5 | <u>72.2</u> | Y | N | 3.4 | Y |
| Domestic Premises | RP4 | 1 | 29.5 | 70 | <u>70.7</u> | <u>73.3</u> | <u>75.2</u> | Y | Y | 4.5 | Y |
| | | 2 | 32.3 | 70 | <u>70.7</u> | <u>73.3</u> | <u>75.2</u> | Y | Y | 4.5 | Y |
| | | 3 | 35.1 | 70 | <u>70.6</u> | <u>73.3</u> | <u>75.2</u> | Y | Y | 4.6 | Y |
| | | 4 | 37.9 | 70 | <u>70.6</u> | <u>73.2</u> | <u>75.1</u> | Y | Y | 4.5 | Y |
| | | 5 | 40.7 | 70 | <u>70.6</u> | <u>73.1</u> | <u>75.0</u> | Y | Y | 4.4 | Y |
| | | 6 | 43.5 | 70 | <u>70.5</u> | <u>73.0</u> | <u>74.9</u> | Y | Y | 4.4 | Y |
| | | 7 | 46.3 | 70 | <u>70.5</u> | <u>72.9</u> | <u>74.8</u> | Y | Y | 4.3 | Y |
| | | 8 | 49.1 | 70 | 70.4 | <u>72.7</u> | <u>74.7</u> | Y | Y | 4.3 | Y |
| | | 9 | 51.9 | 70 | 70.3 | <u>72.6</u> | <u>74.7</u> | Y | Y | 4.4 | Y |
| | | 10 | 54.7 | 70 | 70.3 | <u>72.5</u> | <u>74.6</u> | Y | Y | 4.3 | Y |
| | | 11 | 57.5 | 70 | 70.2 | <u>72.4</u> | <u>74.4</u> | Y | Y | 4.2 | Y |
| | | 12 | 60.3 | 70 | 70.2 | <u>72.2</u> | <u>74.3</u> | Y | Y | 4.1 | Y |
| | | 13 | 63.1 | 70 | 70.1 | <u>72.1</u> | <u>74.3</u> | Y | Y | 4.2 | Y |
| | | 14 | 65.9 | 70 | 70.1 | <u>72.0</u> | <u>74.2</u> | Y | Y | 4.1 | Y |
| | | 15 | 68.7 | 70 | 70.0 | <u>71.9</u> | <u>74.0</u> | Y | Y | 4.0 | Y |
| | | 16 | 71.5 | 70 | 69.9 | <u>71.8</u> | <u>74.0</u> | Y | Y | 4.1 | Y |
| | | 17 | 74.3 | 70 | 69.9 | <u>71.6</u> | <u>73.9</u> | Y | Y | 4.0 | Y |
| | | 18 | 77.1 | 70 | 69.8 | <u>71.5</u> | <u>73.8</u> | Y | Y | 4.0 | Y |
| | | 19 | 79.9 | 70 | 69.7 | <u>71.4</u> | <u>73.7</u> | Y | Y | 4.0 | Y |
| | | 20 | 82.7 | 70 | 69.7 | <u>71.3</u> | <u>73.6</u> | Y | Y | 3.9 | Y |
| | | 21 | 85.5 | 70 | 69.6 | <u>71.2</u> | <u>73.5</u> | Y | Y | 3.9 | Y |
| | | 22 | 88.3 | 70 | 69.6 | <u>71.1</u> | <u>73.4</u> | Y | Y | 3.8 | Y |
| | | 23 | 91.1 | 70 | 69.5 | <u>71.0</u> | <u>73.3</u> | Y | Y | 3.8 | Y |
| | | 24 | 93.9 | 70 | 69.4 | <u>70.9</u> | <u>73.2</u> | Y | Y | 3.8 | Y |
| | | 25 | 96.7 | 70 | 69.4 | <u>70.7</u> | <u>73.1</u> | Y | Y | 3.7 | Y |
| | | 26 | 99.5 | 70 | 69.3 | <u>70.7</u> | <u>73.0</u> | Y | Y | 3.7 | Y |
| | | 27 | 102.3 | 70 | 69.2 | <u>70.6</u> | <u>73.0</u> | Y | Y | 3.8 | Y |
| | | 28 | 105.1 | 70 | 69.2 | <u>70.5</u> | <u>72.9</u> | Y | Y | 3.7 | Y |
| | | 29 | 107.9 | 70 | 69.1 | 70.4 | <u>72.8</u> | Y | N | 3.7 | Y |
| | | 30 | 110.7 | 70 | 69.1 | 70.3 | <u>72.7</u> | Y | N | 3.6 | Y |
| | | 31 | 113.5 | 70 | 69.0 | 70.2 | <u>72.6</u> | Y | N | 3.6 | Y |
| | | 32 | 116.3 | 70 | 69.0 | 70.1 | <u>72.6</u> | Y | N | 3.6 | Y |
| | | 33 | 119.1 | 70 | 68.9 | 70.0 | <u>72.5</u> | Y | N | 3.6 | Y |
| | | 34 | 121.9 | 70 | 68.8 | 69.9 | <u>72.4</u> | Y | N | 3.6 | Y |
| | | 35 | 124.7 | 70 | 68.8 | 69.8 | <u>72.4</u> | Y | N | 3.6 | Y |
| | | 36 | 127.5 | 70 | 68.7 | 69.7 | <u>72.3</u> | Y | N | 3.6 | Y |
| | | 37 | 130.3 | 70 | 68.7 | 69.7 | <u>72.2</u> | Y | N | 3.5 | Y |
| | | 38 | 133.1 | 70 | 68.6 | 69.6 | <u>72.1</u> | Y | N | 3.5 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | RP5 | 1 | 29.5 | 70 | 66.0 | 67.8 | 70.0 | N | N | 4.0 | N |
| | | 2 | 32.3 | 70 | 66.1 | 68.0 | 70.2 | N | N | 4.1 | N |
| | | 3 | 35.1 | 70 | 66.1 | 68.2 | 70.3 | N | N | 4.2 | N |
| | | 4 | 37.9 | 70 | 66.1 | 68.3 | 70.4 | N | N | 4.3 | N |
| | | 5 | 40.7 | 70 | 66.1 | 68.4 | 70.4 | N | N | 4.3 | N |
| | | 6 | 43.5 | 70 | 66.1 | 68.4 | 70.4 | N | N | 4.3 | N |
| | | 7 | 46.3 | 70 | 66.1 | 68.5 | 70.5 | Y | N | 4.4 | Y |
| | | 8 | 49.1 | 70 | 66.1 | 68.5 | 70.5 | Y | N | 4.4 | Y |
| | | 9 | 51.9 | 70 | 66.1 | 68.5 | 70.5 | Y | N | 4.4 | Y |
| | | 10 | 54.7 | 70 | 66.1 | 68.5 | 70.4 | N | N | 4.3 | N |
| | | 11 | 57.5 | 70 | 66.0 | 68.5 | 70.4 | N | N | 4.4 | N |
| | | 12 | 60.3 | 70 | 66.0 | 68.4 | 70.4 | N | N | 4.4 | N |
| | | 13 | 63.1 | 70 | 66.0 | 68.4 | 70.4 | N | N | 4.4 | N |
| | | 14 | 65.9 | 70 | 66.0 | 68.3 | 70.3 | N | N | 4.3 | N |
| | | 15 | 68.7 | 70 | 66.0 | 68.3 | 70.3 | N | N | 4.3 | N |
| | | 16 | 71.5 | 70 | 65.9 | 68.2 | 70.2 | N | N | 4.3 | N |
| | | 17 | 74.3 | 70 | 65.9 | 68.2 | 70.2 | N | N | 4.3 | N |
| | | 18 | 77.1 | 70 | 65.9 | 68.1 | 70.1 | N | N | 4.2 | N |
| | | 19 | 79.9 | 70 | 65.8 | 68.1 | 70.1 | N | N | 4.3 | N |
| | | 20 | 82.7 | 70 | 65.8 | 68.0 | 70.0 | N | N | 4.2 | N |
| | | 21 | 85.5 | 70 | 65.8 | 67.9 | 70.0 | N | N | 4.2 | N |
| | | 22 | 88.3 | 70 | 65.7 | 67.9 | 70.0 | N | N | 4.3 | N |
| | | 23 | 91.1 | 70 | 65.7 | 67.8 | 69.9 | N | N | 4.2 | N |
| | | 24 | 93.9 | 70 | 65.7 | 67.7 | 69.8 | N | N | 4.1 | N |
| | | 25 | 96.7 | 70 | 65.7 | 67.7 | 69.8 | N | N | 4.1 | N |
| | | 26 | 99.5 | 70 | 65.6 | 67.6 | 69.8 | N | N | 4.2 | N |
| | | 27 | 102.3 | 70 | 65.6 | 67.6 | 69.7 | N | N | 4.1 | N |
| | | 28 | 105.1 | 70 | 65.5 | 67.5 | 69.6 | N | N | 4.1 | N |
| | | 29 | 107.9 | 70 | 65.5 | 67.5 | 69.6 | N | N | 4.1 | N |
| | | 30 | 110.7 | 70 | 65.5 | 67.4 | 69.6 | N | N | 4.1 | N |
| | | 31 | 113.5 | 70 | 65.5 | 67.3 | 69.5 | N | N | 4.0 | N |
| | | 32 | 116.3 | 70 | 65.5 | 67.3 | 69.5 | N | N | 4.0 | N |
| | | 33 | 119.1 | 70 | 65.4 | 67.2 | 69.4 | N | N | 4.0 | N |
| | | 34 | 121.9 | 70 | 65.4 | 67.2 | 69.4 | N | N | 4.0 | N |
| | | 35 | 124.7 | 70 | 65.4 | 67.1 | 69.3 | N | N | 3.9 | N |
| | | 36 | 127.5 | 70 | 65.4 | 67.0 | 69.3 | N | N | 3.9 | N |
| | | 37 | 130.3 | 70 | 65.3 | 67.0 | 69.2 | N | N | 3.9 | N |
| | | 38 | 133.1 | 70 | 65.3 | 66.9 | 69.2 | N | N | 3.9 | N |
| Educational Institutions | EBI1 | 1 | 4.4 | 65 | 73.2 | 64.3 | 73.8 | Y | N | 0.6 | N |
| | | 2 | 7.2 | 65 | 73.3 | 65.3 | 73.9 | Y | N | 0.6 | N |
| Educational Institutions | EBI2 | 1 | 4.4 | 65 | 72.0 | 62.1 | 72.4 | Y | N | 0.4 | N |
| | | 2 | 7.2 | 65 | 72.1 | 63.0 | 72.6 | Y | N | 0.5 | N |
| Educational Institutions | EBI3 | 1 | 4.4 | 65 | 71.6 | 59.8 | 71.8 | Y | N | 0.2 | N |
| Domestic Premises | GV | 1 | 4.4 | 70 | 69.2 | 54.6 | 69.3 | N | N | 0.1 | N |
| | | 2 | 7.2 | 70 | 69.3 | 56.4 | 69.5 | N | N | 0.2 | N |
| Domestic Premises | STT1 | 1 | 19.2 | 70 | 65.8 | 53.9 | 66.0 | N | N | 0.2 | N |
| | | 2 | 22 | 70 | 68.4 | 59.0 | 68.8 | N | N | 0.4 | N |
| | | 3 | 24.8 | 70 | 70.4 | 60.9 | 70.8 | Y | N | 0.4 | N |
| Domestic Premises | STTV1 | 1 | 6.5 | 70 | 65.0 | 57.3 | 65.7 | N | N | 0.7 | N |
| | | 2 | 9.3 | 70 | 68.4 | 60.0 | 69.0 | N | N | 0.6 | N |
| | | 3 | 12.1 | 70 | 71.7 | 63.1 | 72.2 | Y | N | 0.5 | N |
| Domestic Premises | STTV2 | 1 | 6.5 | 70 | 63.3 | 60.2 | 65.0 | N | N | 1.7 | N |
| | | 2 | 9.3 | 70 | 65.9 | 64.1 | 68.1 | N | N | 2.2 | N |
| | | 3 | 12.1 | 70 | 68.6 | 67.2 | 71.0 | Y | N | 2.4 | Y |
| Domestic Premises | STTV3 | 1 | 6.2 | 70 | 63.5 | 61.6 | 65.7 | N | N | 2.2 | N |
| | | 2 | 9 | 70 | 64.8 | 63.0 | 67.0 | N | N | 2.2 | N |
| | | 3 | 11.8 | 70 | 66.2 | 64.4 | 68.4 | N | N | 2.2 | N |
| Domestic Premises | STTV4 | 1 | 5.2 | 70 | 63.0 | 60.4 | 64.9 | N | N | 1.9 | N |
| Domestic Premises | STTV5 | 1 | 5.2 | 70 | 63.7 | 59.5 | 65.1 | N | N | 1.4 | N |
| | | 2 | 8 | 70 | 64.5 | 60.5 | 66.0 | N | N | 1.5 | N |
| | | 3 | 10.8 | 70 | 65.4 | 61.4 | 66.8 | N | N | 1.4 | N |
| Domestic Premises | STTV6 | 1 | 4.7 | 70 | 62.1 | 58.7 | 63.7 | N | N | 1.6 | N |
| | | 2 | 7.5 | 70 | 63.2 | 59.7 | 64.8 | N | N | 1.6 | N |
| Domestic Premises | STTV7 | 1 | 4.7 | 70 | 66.6 | 59.2 | 67.3 | N | N | 0.7 | N |
| | | 2 | 7.5 | 70 | 67.4 | 60.6 | 68.2 | N | N | 0.8 | N |
| | | 3 | 10.3 | 70 | 68.4 | 62.0 | 69.3 | N | N | 0.9 | N |
| Domestic Premises | STTV8 | 1 | 3.7 | 70 | 69.6 | 61.7 | 70.2 | N | N | 0.6 | N |
| | | 2 | 6.5 | 70 | 70.1 | 63.3 | 70.9 | Y | N | 0.8 | N |
| | | 3 | 9.3 | 70 | 70.8 | 65.2 | 71.9 | Y | N | 1.1 | Y |
| Domestic Premises | STTV9 | 1 | 9.6 | 70 | 64.8 | 55.3 | 65.2 | N | N | 0.4 | N |
| | | 2 | 12.4 | 70 | 67.8 | 57.5 | 68.2 | N | N | 0.4 | N |
| | | 3 | 15.2 | 70 | 70.1 | 60.0 | 70.5 | Y | N | 0.4 | N |
| Accommodation | HRCC1 | 1 | 29.6 | 70 | 71.3 | 61.5 | 71.7 | Y | N | 0.4 | N |
| | | 2 | 32.4 | 70 | 71.4 | 61.6 | 71.8 | Y | N | 0.4 | N |
| Accommodation | HRCC2 | 1 | 29.6 | 70 | 68.7 | 61.9 | 69.6 | N | N | 0.9 | N |
| | | 2 | 32.4 | 70 | 69.0 | 62.2 | 69.8 | N | N | 0.8 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | SYH1 | 1 | 9.7 | 70 | 70.2 | 48.4 | 70.3 | N | N | 0.1 | N |
| | | 2 | 12.5 | 70 | 70.2 | 48.6 | 70.2 | N | N | 0.0 | N |
| | | 3 | 15.3 | 70 | 70.2 | 48.8 | 70.2 | N | N | 0.0 | N |
| | | 4 | 18.1 | 70 | 70.1 | 49.2 | 70.2 | N | N | 0.1 | N |
| | | 5 | 20.9 | 70 | 70.1 | 49.5 | 70.1 | N | N | 0.0 | N |
| | | 6 | 23.7 | 70 | 70.0 | 50.1 | 70.0 | N | N | 0.0 | N |
| | | 7 | 26.5 | 70 | 69.9 | 50.8 | 70.0 | N | N | 0.1 | N |
| | | 8 | 29.3 | 70 | 69.8 | 51.7 | 69.9 | N | N | 0.1 | N |
| | | 9 | 32.1 | 70 | 69.7 | 52.9 | 69.8 | N | N | 0.1 | N |
| | | 10 | 34.9 | 70 | 69.6 | 54.5 | 69.8 | N | N | 0.2 | N |
| | | 11 | 37.7 | 70 | 69.6 | 56.0 | 69.8 | N | N | 0.2 | N |
| | | 12 | 40.5 | 70 | 69.5 | 57.0 | 69.7 | N | N | 0.2 | N |
| | | 13 | 43.3 | 70 | 69.4 | 57.5 | 69.7 | N | N | 0.3 | N |
| | | 14 | 46.1 | 70 | 69.3 | 58.0 | 69.6 | N | N | 0.3 | N |
| | | 15 | 48.9 | 70 | 69.2 | 58.7 | 69.6 | N | N | 0.4 | N |
| | | 16 | 51.7 | 70 | 69.2 | 59.2 | 69.6 | N | N | 0.4 | N |
| | | 17 | 54.5 | 70 | 69.1 | 59.6 | 69.6 | N | N | 0.5 | N |
| Domestic Premises | SYH2 | 1 | 9.7 | 70 | 65.6 | 52.8 | 65.8 | N | N | 0.2 | N |
| | | 2 | 12.5 | 70 | 65.7 | 53.8 | 66.0 | N | N | 0.3 | N |
| | | 3 | 15.3 | 70 | 65.7 | 54.9 | 66.1 | N | N | 0.4 | N |
| | | 4 | 18.1 | 70 | 65.8 | 56.0 | 66.2 | N | N | 0.4 | N |
| | | 5 | 20.9 | 70 | 65.9 | 56.7 | 66.4 | N | N | 0.5 | N |
| | | 6 | 23.7 | 70 | 65.9 | 57.5 | 66.5 | N | N | 0.6 | N |
| | | 7 | 26.5 | 70 | 66.0 | 58.3 | 66.7 | N | N | 0.7 | N |
| | | 8 | 29.3 | 70 | 66.1 | 58.8 | 66.8 | N | N | 0.7 | N |
| | | 9 | 32.1 | 70 | 66.1 | 59.2 | 66.9 | N | N | 0.8 | N |
| | | 10 | 34.9 | 70 | 66.2 | 59.5 | 67.0 | N | N | 0.8 | N |
| | | 11 | 37.7 | 70 | 66.2 | 59.8 | 67.1 | N | N | 0.9 | N |
| | | 12 | 40.5 | 70 | 66.3 | 60.1 | 67.2 | N | N | 0.9 | N |
| | | 13 | 43.3 | 70 | 66.3 | 60.4 | 67.3 | N | N | 1.0 | N |
| | | 14 | 46.1 | 70 | 66.4 | 60.6 | 67.4 | N | N | 1.0 | N |
| | | 15 | 48.9 | 70 | 66.6 | 60.7 | 67.6 | N | N | 1.0 | N |
| | | 16 | 51.7 | 70 | 66.8 | 60.9 | 67.8 | N | N | 1.0 | N |
| | | 17 | 54.5 | 70 | 67.0 | 61.1 | 68.0 | N | N | 1.0 | N |
| Educational Institutions | STMC1 | 1 | 10.4 | 65 | 51.6 | 39.8 | 51.9 | N | N | 0.3 | N |
| | | 2 | 13.2 | 65 | 52.4 | 40.8 | 52.7 | N | N | 0.3 | N |
| | | 3 | 16 | 65 | 53.3 | 41.7 | 53.6 | N | N | 0.3 | N |
| | | 4 | 18.8 | 65 | 54.5 | 42.7 | 54.8 | N | N | 0.3 | N |
| | | 5 | 21.6 | 65 | 56.3 | 43.8 | 56.5 | N | N | 0.2 | N |
| | | 6 | 24.4 | 65 | 57.8 | 45.1 | 58.1 | N | N | 0.3 | N |
| | | 7 | 27.2 | 65 | 59.3 | 46.8 | 59.5 | N | N | 0.2 | N |
| Educational Institutions | STMC2 | 1 | 10.4 | 65 | 43.6 | 39.9 | 45.2 | N | N | 1.6 | N |
| | | 2 | 13.2 | 65 | 44.3 | 41.1 | 46.0 | N | N | 1.7 | N |
| | | 3 | 16 | 65 | 45.7 | 42.5 | 47.4 | N | N | 1.7 | N |
| Educational Institutions | STMC3 | 1 | 10.4 | 65 | 61.4 | 43.5 | 61.4 | N | N | 0.0 | N |
| | | 2 | 13.2 | 65 | 61.4 | 44.8 | 61.5 | N | N | 0.1 | N |
| | | 3 | 16 | 65 | 61.5 | 46.1 | 61.6 | N | N | 0.1 | N |
| Domestic Premises | FSH1 | 1 | 22.1 | 70 | 63.5 | 58.4 | 64.6 | N | N | 1.1 | N |
| | | 2 | 24.9 | 70 | 64.5 | 59.2 | 65.7 | N | N | 1.2 | N |
| | | 3 | 27.7 | 70 | 65.4 | 59.8 | 66.5 | N | N | 1.1 | N |
| | | 4 | 30.5 | 70 | 66.0 | 60.5 | 67.1 | N | N | 1.1 | N |
| | | 5 | 33.3 | 70 | 66.5 | 61.0 | 67.6 | N | N | 1.1 | N |
| | | 6 | 36.1 | 70 | 66.9 | 61.6 | 68.0 | N | N | 1.1 | N |
| | | 7 | 38.9 | 70 | 67.1 | 61.9 | 68.3 | N | N | 1.2 | N |
| | | 8 | 41.7 | 70 | 67.4 | 62.3 | 68.6 | N | N | 1.2 | N |
| | | 9 | 44.5 | 70 | 67.7 | 62.7 | 68.9 | N | N | 1.2 | N |
| | | 10 | 47.3 | 70 | 67.9 | 63.0 | 69.2 | N | N | 1.3 | N |
| | | 11 | 50.1 | 70 | 68.2 | 63.3 | 69.4 | N | N | 1.2 | N |
| | | 12 | 52.9 | 70 | 68.4 | 63.6 | 69.6 | N | N | 1.2 | N |
| | | 13 | 55.7 | 70 | 68.6 | 63.8 | 69.8 | N | N | 1.2 | N |
| | | 14 | 58.5 | 70 | 68.7 | 63.9 | 69.9 | N | N | 1.2 | N |
| | | 15 | 61.3 | 70 | 68.8 | 64.0 | 70.1 | N | N | 1.3 | N |
| | | 16 | 64.1 | 70 | 68.9 | 64.1 | 70.1 | N | N | 1.2 | N |
| | | 17 | 66.9 | 70 | 69.0 | 64.2 | 70.2 | N | N | 1.2 | N |
| | | 18 | 69.7 | 70 | 69.0 | 64.2 | 70.3 | N | N | 1.3 | N |
| | | 19 | 72.5 | 70 | 69.1 | 64.3 | 70.3 | N | N | 1.2 | N |
| | | 20 | 75.3 | 70 | 69.1 | 64.2 | 70.3 | N | N | 1.2 | N |
| | | 21 | 78.1 | 70 | 69.1 | 64.3 | 70.4 | N | N | 1.3 | N |
| | | 22 | 80.9 | 70 | 69.1 | 64.3 | 70.4 | N | N | 1.3 | N |
| | | 23 | 83.7 | 70 | 69.1 | 64.3 | 70.4 | N | N | 1.3 | N |
| | | 24 | 86.5 | 70 | 69.2 | 64.3 | 70.4 | N | N | 1.2 | N |
| | | 25 | 89.3 | 70 | 69.2 | 64.2 | 70.4 | N | N | 1.2 | N |
| | | 26 | 92.1 | 70 | 69.2 | 64.2 | 70.4 | N | N | 1.2 | N |
| | | 27 | 94.9 | 70 | 69.1 | 64.2 | 70.3 | N | N | 1.2 | N |
| | | 28 | 97.7 | 70 | 69.1 | 64.2 | 70.3 | N | N | 1.2 | N |
| | | 29 | 100.5 | 70 | 69.1 | 64.2 | 70.3 | N | N | 1.2 | N |
| | | 30 | 103.3 | 70 | 69.1 | 64.2 | 70.3 | N | N | 1.2 | N |
| | | 31 | 106.1 | 70 | 69.1 | 64.2 | 70.3 | N | N | 1.2 | N |
| | | 32 | 108.9 | 70 | 69.1 | 64.2 | 70.3 | N | N | 1.2 | N |
| | | 33 | 111.7 | 70 | 69.0 | 64.2 | 70.2 | N | N | 1.2 | N |
| | | 34 | 114.5 | 70 | 69.0 | 64.1 | 70.2 | N | N | 1.2 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | FSH2 | 1 | 22.1 | 70 | 63.8 | 58.1 | 64.9 | N | N | 1.1 | N |
| | | 2 | 24.9 | 70 | 64.9 | 58.9 | 65.8 | N | N | 0.9 | N |
| | | 3 | 27.7 | 70 | 65.7 | 59.6 | 66.6 | N | N | 0.9 | N |
| | | 4 | 30.5 | 70 | 66.3 | 60.3 | 67.3 | N | N | 1.0 | N |
| | | 5 | 33.3 | 70 | 67.0 | 60.9 | 68.0 | N | N | 1.0 | N |
| | | 6 | 36.1 | 70 | 67.3 | 61.6 | 68.3 | N | N | 1.0 | N |
| | | 7 | 38.9 | 70 | 67.6 | 61.9 | 68.6 | N | N | 1.0 | N |
| | | 8 | 41.7 | 70 | 68.0 | 62.3 | 69.0 | N | N | 1.0 | N |
| | | 9 | 44.5 | 70 | 68.5 | 62.7 | 69.5 | N | N | 1.0 | N |
| | | 10 | 47.3 | 70 | 69.0 | 63.1 | 70.0 | N | N | 1.0 | N |
| | | 11 | 50.1 | 70 | 69.4 | 63.3 | 70.3 | N | N | 0.9 | N |
| | | 12 | 52.9 | 70 | 69.7 | 63.5 | <u>70.6</u> | Y | N | 0.9 | N |
| | | 13 | 55.7 | 70 | 70.0 | 63.6 | <u>70.9</u> | Y | N | 0.9 | N |
| | | 14 | 58.5 | 70 | 70.2 | 63.7 | <u>71.1</u> | Y | N | 0.9 | N |
| | | 15 | 61.3 | 70 | 70.4 | 63.8 | <u>71.3</u> | Y | N | 0.9 | N |
| | | 16 | 64.1 | 70 | <u>70.6</u> | 63.8 | <u>71.4</u> | Y | N | 0.8 | N |
| | | 17 | 66.9 | 70 | <u>70.7</u> | 63.8 | <u>71.5</u> | Y | N | 0.8 | N |
| | | 18 | 69.7 | 70 | <u>70.9</u> | 63.8 | <u>71.6</u> | Y | N | 0.7 | N |
| | | 19 | 72.5 | 70 | <u>70.9</u> | 63.8 | <u>71.7</u> | Y | N | 0.8 | N |
| | | 20 | 75.3 | 70 | <u>71.0</u> | 63.8 | <u>71.8</u> | Y | N | 0.8 | N |
| | | 21 | 78.1 | 70 | <u>71.1</u> | 63.8 | <u>71.8</u> | Y | N | 0.7 | N |
| | | 22 | 80.9 | 70 | <u>71.2</u> | 63.8 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 23 | 83.7 | 70 | <u>71.2</u> | 63.7 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 24 | 86.5 | 70 | <u>71.2</u> | 63.7 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 25 | 89.3 | 70 | <u>71.2</u> | 63.7 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 26 | 92.1 | 70 | <u>71.3</u> | 63.7 | <u>72.0</u> | Y | N | 0.7 | N |
| | | 27 | 94.9 | 70 | <u>71.3</u> | 63.6 | <u>71.9</u> | Y | N | 0.6 | N |
| | | 28 | 97.7 | 70 | <u>71.2</u> | 63.6 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 29 | 100.5 | 70 | <u>71.3</u> | 63.6 | <u>72.0</u> | Y | N | 0.7 | N |
| | | 30 | 103.3 | 70 | <u>71.2</u> | 63.6 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 31 | 106.1 | 70 | <u>71.2</u> | 63.6 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 32 | 108.9 | 70 | <u>71.2</u> | 63.5 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 33 | 111.7 | 70 | <u>71.2</u> | 63.5 | <u>71.9</u> | Y | N | 0.7 | N |
| | | 34 | 114.5 | 70 | <u>71.2</u> | 63.5 | <u>71.9</u> | Y | N | 0.7 | N |
| Domestic Premises | FSH3 | 1 | 22.1 | 70 | 61.1 | 50.4 | 61.5 | N | N | 0.4 | N |
| | | 2 | 24.9 | 70 | 63.7 | 52.2 | 64.0 | N | N | 0.3 | N |
| | | 3 | 27.7 | 70 | 65.9 | 54.3 | 66.2 | N | N | 0.3 | N |
| | | 4 | 30.5 | 70 | 67.1 | 55.9 | 67.5 | N | N | 0.4 | N |
| | | 5 | 33.3 | 70 | 68.1 | 57.2 | 68.5 | N | N | 0.4 | N |
| | | 6 | 36.1 | 70 | 68.6 | 57.7 | 68.9 | N | N | 0.3 | N |
| | | 7 | 38.9 | 70 | 69.1 | 58.4 | 69.5 | N | N | 0.4 | N |
| | | 8 | 41.7 | 70 | 69.9 | 58.9 | 70.2 | N | N | 0.3 | N |
| | | 9 | 44.5 | 70 | <u>70.5</u> | 59.3 | <u>70.8</u> | Y | N | 0.3 | N |
| | | 10 | 47.3 | 70 | <u>71.0</u> | 59.6 | <u>71.3</u> | Y | N | 0.3 | N |
| | | 11 | 50.1 | 70 | <u>71.3</u> | 59.8 | <u>71.6</u> | Y | N | 0.3 | N |
| | | 12 | 52.9 | 70 | <u>71.7</u> | 59.9 | <u>72.0</u> | Y | N | 0.3 | N |
| | | 13 | 55.7 | 70 | <u>72.0</u> | 60.0 | <u>72.2</u> | Y | N | 0.2 | N |
| | | 14 | 58.5 | 70 | <u>72.2</u> | 60.0 | <u>72.4</u> | Y | N | 0.2 | N |
| | | 15 | 61.3 | 70 | <u>72.4</u> | 60.1 | <u>72.6</u> | Y | N | 0.2 | N |
| | | 16 | 64.1 | 70 | <u>72.5</u> | 60.1 | <u>72.7</u> | Y | N | 0.2 | N |
| | | 17 | 66.9 | 70 | <u>72.6</u> | 60.1 | <u>72.8</u> | Y | N | 0.2 | N |
| | | 18 | 69.7 | 70 | <u>72.7</u> | 60.1 | <u>72.9</u> | Y | N | 0.2 | N |
| | | 19 | 72.5 | 70 | <u>72.7</u> | 60.1 | <u>72.9</u> | Y | N | 0.2 | N |
| | | 20 | 75.3 | 70 | <u>72.8</u> | 60.1 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 21 | 78.1 | 70 | <u>72.7</u> | 60.1 | <u>73.0</u> | Y | N | 0.3 | N |
| | | 22 | 80.9 | 70 | <u>72.8</u> | 60.1 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 23 | 83.7 | 70 | <u>72.8</u> | 60.1 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 24 | 86.5 | 70 | <u>72.8</u> | 60.1 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 25 | 89.3 | 70 | <u>72.8</u> | 60.0 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 26 | 92.1 | 70 | <u>72.8</u> | 60.0 | <u>73.0</u> | Y | N | 0.2 | N |
| | | 27 | 94.9 | 70 | <u>72.7</u> | 60.0 | <u>72.9</u> | Y | N | 0.2 | N |
| | | 28 | 97.7 | 70 | <u>72.7</u> | 60.0 | <u>72.9</u> | Y | N | 0.2 | N |
| | | 29 | 100.5 | 70 | <u>72.6</u> | 60.0 | <u>72.9</u> | Y | N | 0.3 | N |
| | | 30 | 103.3 | 70 | <u>72.5</u> | 60.0 | <u>72.8</u> | Y | N | 0.3 | N |
| | | 31 | 106.1 | 70 | <u>72.5</u> | 60.0 | <u>72.8</u> | Y | N | 0.3 | N |
| | | 32 | 108.9 | 70 | <u>72.4</u> | 60.0 | <u>72.7</u> | Y | N | 0.3 | N |
| | | 33 | 111.7 | 70 | <u>72.4</u> | 59.9 | <u>72.6</u> | Y | N | 0.2 | N |
| | | 34 | 114.5 | 70 | <u>72.3</u> | 59.9 | <u>72.6</u> | Y | N | 0.3 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | WSH1 | 1 | 22 | 70 | 62.8 | 45.7 | 62.8 | N | N | 0.0 | N |
| | | 2 | 24.8 | 70 | 64.1 | 48.1 | 64.2 | N | N | 0.1 | N |
| | | 3 | 27.6 | 70 | 65.5 | 52.6 | 65.7 | N | N | 0.2 | N |
| | | 4 | 30.4 | 70 | 67.1 | 55.0 | 67.4 | N | N | 0.3 | N |
| | | 5 | 33.2 | 70 | 68.5 | 56.4 | 68.7 | N | N | 0.2 | N |
| | | 6 | 36 | 70 | 69.9 | 57.6 | 70.2 | N | N | 0.3 | N |
| | | 7 | 38.8 | 70 | 71.2 | 58.3 | 71.4 | Y | N | 0.2 | N |
| | | 8 | 41.6 | 70 | 72.2 | 58.6 | 72.4 | Y | N | 0.2 | N |
| | | 9 | 44.4 | 70 | 73.0 | 58.9 | 73.2 | Y | N | 0.2 | N |
| | | 10 | 47.2 | 70 | 73.8 | 59.2 | 74.0 | Y | N | 0.2 | N |
| | | 11 | 50 | 70 | 74.4 | 59.5 | 74.5 | Y | N | 0.1 | N |
| | | 12 | 52.8 | 70 | 74.8 | 59.7 | 74.9 | Y | N | 0.1 | N |
| | | 13 | 55.6 | 70 | 75.1 | 59.9 | 75.2 | Y | N | 0.1 | N |
| | | 14 | 58.4 | 70 | 75.2 | 60.1 | 75.4 | Y | N | 0.2 | N |
| | | 15 | 61.2 | 70 | 75.4 | 60.3 | 75.5 | Y | N | 0.1 | N |
| | | 16 | 64 | 70 | 75.4 | 60.4 | 75.6 | Y | N | 0.2 | N |
| | | 17 | 66.8 | 70 | 75.5 | 60.6 | 75.6 | Y | N | 0.1 | N |
| | | 18 | 69.6 | 70 | 75.4 | 60.8 | 75.6 | Y | N | 0.2 | N |
| | | 19 | 72.4 | 70 | 75.4 | 61.0 | 75.5 | Y | N | 0.1 | N |
| | | 20 | 75.2 | 70 | 75.3 | 61.2 | 75.4 | Y | N | 0.1 | N |
| | | 21 | 78 | 70 | 75.2 | 61.4 | 75.4 | Y | N | 0.2 | N |
| | | 22 | 80.8 | 70 | 75.1 | 61.6 | 75.3 | Y | N | 0.2 | N |
| | | 23 | 83.6 | 70 | 75.0 | 61.8 | 75.2 | Y | N | 0.2 | N |
| | | 24 | 86.4 | 70 | 75.0 | 61.9 | 75.2 | Y | N | 0.2 | N |
| | | 25 | 89.2 | 70 | 74.8 | 62.0 | 75.1 | Y | N | 0.3 | N |
| | | 26 | 92 | 70 | 74.8 | 62.1 | 75.0 | Y | N | 0.2 | N |
| | | 27 | 94.8 | 70 | 74.7 | 62.1 | 74.9 | Y | N | 0.2 | N |
| | | 28 | 97.6 | 70 | 74.6 | 62.1 | 74.8 | Y | N | 0.2 | N |
| | | 29 | 100.4 | 70 | 74.5 | 62.1 | 74.8 | Y | N | 0.3 | N |
| | | 30 | 103.2 | 70 | 74.4 | 62.1 | 74.7 | Y | N | 0.3 | N |
| | | 31 | 106 | 70 | 74.3 | 62.1 | 74.6 | Y | N | 0.3 | N |
| | | 32 | 108.8 | 70 | 74.2 | 62.1 | 74.5 | Y | N | 0.3 | N |
| | | 33 | 111.6 | 70 | 74.2 | 62.1 | 74.4 | Y | N | 0.2 | N |
| | | 34 | 114.4 | 70 | 74.1 | 62.1 | 74.4 | Y | N | 0.3 | N |
| Domestic Premises | WSH2 | 1 | 22 | 70 | 60.1 | 47.7 | 60.4 | N | N | 0.3 | N |
| | | 2 | 24.8 | 70 | 62.3 | 50.2 | 62.6 | N | N | 0.3 | N |
| | | 3 | 27.6 | 70 | 64.3 | 53.8 | 64.7 | N | N | 0.4 | N |
| | | 4 | 30.4 | 70 | 65.9 | 57.1 | 66.4 | N | N | 0.5 | N |
| | | 5 | 33.2 | 70 | 67.2 | 58.2 | 67.7 | N | N | 0.5 | N |
| | | 6 | 36 | 70 | 68.3 | 58.9 | 68.8 | N | N | 0.5 | N |
| | | 7 | 38.8 | 70 | 69.6 | 59.3 | 69.9 | N | N | 0.3 | N |
| | | 8 | 41.6 | 70 | 70.3 | 59.5 | 70.6 | Y | N | 0.3 | N |
| | | 9 | 44.4 | 70 | 70.8 | 59.7 | 71.1 | Y | N | 0.3 | N |
| | | 10 | 47.2 | 70 | 71.1 | 59.9 | 71.4 | Y | N | 0.3 | N |
| | | 11 | 50 | 70 | 71.3 | 60.1 | 71.6 | Y | N | 0.3 | N |
| | | 12 | 52.8 | 70 | 71.4 | 60.2 | 71.7 | Y | N | 0.3 | N |
| | | 13 | 55.6 | 70 | 71.5 | 60.4 | 71.8 | Y | N | 0.3 | N |
| | | 14 | 58.4 | 70 | 71.5 | 60.6 | 71.8 | Y | N | 0.3 | N |
| | | 15 | 61.2 | 70 | 71.5 | 60.7 | 71.8 | Y | N | 0.3 | N |
| | | 16 | 64 | 70 | 71.4 | 60.9 | 71.8 | Y | N | 0.4 | N |
| | | 17 | 66.8 | 70 | 71.4 | 61.1 | 71.8 | Y | N | 0.4 | N |
| | | 18 | 69.6 | 70 | 71.3 | 61.3 | 71.7 | Y | N | 0.4 | N |
| | | 19 | 72.4 | 70 | 71.3 | 61.5 | 71.7 | Y | N | 0.4 | N |
| | | 20 | 75.2 | 70 | 71.2 | 61.7 | 71.6 | Y | N | 0.4 | N |
| | | 21 | 78 | 70 | 71.1 | 61.9 | 71.6 | Y | N | 0.5 | N |
| | | 22 | 80.8 | 70 | 71.0 | 61.9 | 71.5 | Y | N | 0.5 | N |
| | | 23 | 83.6 | 70 | 70.9 | 62.0 | 71.4 | Y | N | 0.5 | N |
| | | 24 | 86.4 | 70 | 70.8 | 62.1 | 71.4 | Y | N | 0.6 | N |
| | | 25 | 89.2 | 70 | 70.7 | 62.1 | 71.3 | Y | N | 0.6 | N |
| | | 26 | 92 | 70 | 70.6 | 62.1 | 71.2 | Y | N | 0.6 | N |
| | | 27 | 94.8 | 70 | 70.6 | 62.1 | 71.1 | Y | N | 0.5 | N |
| | | 28 | 97.6 | 70 | 70.5 | 62.1 | 71.1 | Y | N | 0.6 | N |
| | | 29 | 100.4 | 70 | 70.4 | 62.1 | 71.0 | Y | N | 0.6 | N |
| | | 30 | 103.2 | 70 | 70.3 | 62.0 | 70.9 | Y | N | 0.6 | N |
| | | 31 | 106 | 70 | 70.2 | 62.0 | 70.8 | Y | N | 0.6 | N |
| | | 32 | 108.8 | 70 | 70.1 | 62.0 | 70.7 | Y | N | 0.6 | N |
| | | 33 | 111.6 | 70 | 70.0 | 62.0 | 70.6 | Y | N | 0.6 | N |
| | | 34 | 114.4 | 70 | 70.0 | 62.0 | 70.6 | Y | N | 0.6 | N |
| Domestic Premises | TTU1 | 1 | 5.1 | 70 | 65.2 | 59.7 | 66.3 | N | N | 1.1 | N |
| | | 2 | 7.9 | 70 | 65.6 | 61.5 | 67.0 | N | N | 1.4 | N |
| | | 3 | 10.7 | 70 | 66.2 | 63.9 | 68.2 | N | N | 2.0 | N |
| Domestic Premises | TTU2 | 1 | 3.7 | 70 | 59.4 | 52.4 | 60.2 | N | N | 0.8 | N |
| | | 2 | 6.5 | 70 | 60.1 | 54.7 | 61.2 | N | N | 1.1 | N |
| Domestic Premises | TTU3 | 1 | 3.7 | 70 | 54.2 | 59.8 | 60.9 | N | N | 6.7 | N |
| | | 2 | 6.5 | 70 | 56.2 | 61.0 | 62.3 | N | N | 6.1 | N |
| Domestic Premises | TTU4 | 1 | 3.7 | 70 | 56.9 | 61.8 | 63.0 | N | N | 6.1 | N |
| | | 2 | 6.5 | 70 | 58.0 | 62.7 | 64.0 | N | N | 6.0 | N |
| Domestic Premises | TTU5 | 1 | 4.1 | 70 | 52.3 | 59.3 | 60.1 | N | N | 7.8 | N |
| | | 2 | 6.9 | 70 | 53.4 | 60.7 | 61.4 | N | N | 8.0 | N |
| | | 3 | 9.7 | 70 | 54.6 | 62.2 | 62.9 | N | N | 8.3 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | TTU6 | 1 | 4.1 | 70 | 52.6 | 58.0 | 59.1 | N | N | 6.5 | N |
| | | 2 | 6.9 | 70 | 53.0 | 59.5 | 60.4 | N | N | 7.4 | N |
| | | 3 | 9.7 | 70 | 54.1 | 61.5 | 62.3 | N | N | 8.2 | N |
| Domestic Premises | TTUN | 1 | 6.8 | 70 | 51.1 | 60.0 | 60.6 | N | N | 9.5 | N |
| | | 2 | 9.6 | 70 | 52.5 | 61.7 | 62.2 | N | N | 9.7 | N |
| | | 3 | 12.4 | 70 | 54.0 | 63.5 | 64.0 | N | N | 10.0 | N |
| Domestic Premises | MSL1 | 1 | 9.7 | 70 | <u>75.0</u> | 56.4 | <u>75.1</u> | Y | N | 0.1 | N |
| | | 2 | 12.5 | 70 | <u>75.0</u> | 56.9 | <u>75.0</u> | Y | N | 0.0 | N |
| | | 3 | 15.3 | 70 | <u>74.8</u> | 57.2 | <u>74.9</u> | Y | N | 0.1 | N |
| | | 4 | 18.1 | 70 | <u>74.7</u> | 57.5 | <u>74.8</u> | Y | N | 0.1 | N |
| | | 5 | 20.9 | 70 | <u>74.5</u> | 57.8 | <u>74.6</u> | Y | N | 0.1 | N |
| | | 6 | 23.7 | 70 | <u>74.4</u> | 58.2 | <u>74.5</u> | Y | N | 0.1 | N |
| | | 7 | 26.5 | 70 | <u>74.2</u> | 58.5 | <u>74.3</u> | Y | N | 0.1 | N |
| | | 8 | 29.3 | 70 | <u>74.0</u> | 58.8 | <u>74.1</u> | Y | N | 0.1 | N |
| | | 9 | 32.1 | 70 | <u>73.8</u> | 59.1 | <u>74.0</u> | Y | N | 0.2 | N |
| | | 10 | 34.9 | 70 | <u>73.6</u> | 59.3 | <u>73.8</u> | Y | N | 0.2 | N |
| | | 11 | 37.7 | 70 | <u>73.5</u> | 59.5 | <u>73.7</u> | Y | N | 0.2 | N |
| | | 12 | 40.5 | 70 | <u>73.3</u> | 59.7 | <u>73.5</u> | Y | N | 0.2 | N |
| | | 13 | 43.3 | 70 | <u>73.1</u> | 60.0 | <u>73.3</u> | Y | N | 0.2 | N |
| | | 14 | 46.1 | 70 | <u>73.0</u> | 60.2 | <u>73.2</u> | Y | N | 0.2 | N |
| | | 15 | 48.9 | 70 | <u>72.8</u> | 60.3 | <u>73.1</u> | Y | N | 0.3 | N |
| | | 16 | 51.7 | 70 | <u>72.7</u> | 60.5 | <u>73.0</u> | Y | N | 0.3 | N |
| | | 17 | 54.5 | 70 | <u>72.6</u> | 60.7 | <u>72.9</u> | Y | N | 0.3 | N |
| | | 18 | 57.3 | 70 | <u>72.4</u> | 60.8 | <u>72.7</u> | Y | N | 0.3 | N |
| | | 19 | 60.1 | 70 | <u>72.3</u> | 61.0 | <u>72.6</u> | Y | N | 0.3 | N |
| | | 20 | 62.9 | 70 | <u>72.2</u> | 61.1 | <u>72.5</u> | Y | N | 0.3 | N |
| | | 21 | 65.7 | 70 | <u>72.1</u> | 61.2 | <u>72.4</u> | Y | N | 0.3 | N |
| | | 22 | 68.5 | 70 | <u>72.0</u> | 61.2 | <u>72.3</u> | Y | N | 0.3 | N |
| | | 23 | 71.3 | 70 | <u>71.9</u> | 61.3 | <u>72.2</u> | Y | N | 0.3 | N |
| | | 24 | 74.1 | 70 | <u>71.8</u> | 61.4 | <u>72.2</u> | Y | N | 0.4 | N |
| | | 25 | 76.9 | 70 | <u>71.7</u> | 61.5 | <u>72.1</u> | Y | N | 0.4 | N |
| | | 26 | 79.7 | 70 | <u>71.6</u> | 61.6 | <u>72.0</u> | Y | N | 0.4 | N |
| | | 27 | 82.5 | 70 | <u>71.5</u> | 61.6 | <u>71.9</u> | Y | N | 0.4 | N |
| | | 28 | 85.3 | 70 | <u>71.4</u> | 61.7 | <u>71.8</u> | Y | N | 0.4 | N |
| | | 29 | 88.1 | 70 | <u>71.3</u> | 61.7 | <u>71.8</u> | Y | N | 0.5 | N |
| | | 30 | 90.9 | 70 | <u>71.2</u> | 61.8 | <u>71.7</u> | Y | N | 0.5 | N |
| | | 31 | 93.7 | 70 | <u>71.1</u> | 61.8 | <u>71.6</u> | Y | N | 0.5 | N |
| | | 32 | 96.5 | 70 | <u>71.1</u> | 61.9 | <u>71.6</u> | Y | N | 0.5 | N |
| Educational Institutions | DCMS1 | 1 | 7.1 | 65 | <u>75.2</u> | 59.0 | <u>75.3</u> | Y | N | 0.1 | N |
| | | 2 | 9.9 | 65 | <u>75.1</u> | 59.6 | <u>75.3</u> | Y | N | 0.2 | N |
| | | 3 | 12.7 | 65 | <u>74.8</u> | 60.2 | <u>75.0</u> | Y | N | 0.2 | N |
| | | 4 | 15.5 | 65 | <u>74.5</u> | 60.5 | <u>74.7</u> | Y | N | 0.2 | N |
| | | 5 | 18.3 | 65 | <u>74.1</u> | 60.8 | <u>74.3</u> | Y | N | 0.2 | N |
| | | 6 | 21.1 | 65 | <u>73.8</u> | 61.1 | <u>74.0</u> | Y | N | 0.2 | N |
| | | 7 | 23.9 | 65 | <u>73.4</u> | 61.5 | <u>73.7</u> | Y | N | 0.3 | N |
| Domestic Premises | PMH1 | 1 | 13 | 70 | 67.2 | 60.8 | 68.1 | N | N | 0.9 | N |
| | | 2 | 15.8 | 70 | 67.4 | 61.4 | 68.4 | N | N | 1.0 | N |
| | | 3 | 18.6 | 70 | 67.6 | 61.9 | 68.7 | N | N | 1.1 | N |
| | | 4 | 21.4 | 70 | 67.8 | 62.4 | 68.9 | N | N | 1.1 | N |
| | | 5 | 24.2 | 70 | 67.8 | 62.9 | 69.0 | N | N | 1.2 | N |
| | | 6 | 27 | 70 | 67.8 | 63.4 | 69.2 | N | N | 1.4 | N |
| | | 7 | 29.8 | 70 | 67.8 | 64.1 | 69.3 | N | N | 1.5 | N |
| | | 8 | 32.6 | 70 | 67.8 | 64.5 | 69.5 | N | N | 1.7 | N |
| | | 9 | 35.4 | 70 | 67.8 | 64.9 | 69.6 | N | N | 1.8 | N |
| | | 10 | 38.2 | 70 | 67.8 | 65.1 | 69.7 | N | N | 1.9 | N |
| | | 11 | 41 | 70 | 67.8 | 65.5 | 69.8 | N | N | 2.0 | N |
| | | 12 | 43.8 | 70 | 67.8 | 66.0 | 70.0 | N | N | 2.2 | N |
| | | 13 | 46.6 | 70 | 67.7 | 66.4 | 70.1 | N | N | 2.4 | N |
| | | 14 | 49.4 | 70 | 67.7 | 66.8 | 70.3 | N | N | 2.6 | N |
| | | 15 | 52.2 | 70 | 67.7 | 67.1 | 70.4 | N | N | 2.7 | N |
| | | 16 | 55 | 70 | 67.6 | 67.4 | <u>70.6</u> | Y | N | 3.0 | Y |
| | | 17 | 57.8 | 70 | 67.6 | 67.7 | <u>70.7</u> | Y | N | 3.1 | Y |
| | | 18 | 60.6 | 70 | 67.6 | 67.8 | <u>70.7</u> | Y | N | 3.1 | Y |
| | | 19 | 63.4 | 70 | 67.5 | 68.0 | <u>70.8</u> | Y | N | 3.3 | Y |
| | | 20 | 66.2 | 70 | 67.5 | 68.2 | <u>70.9</u> | Y | N | 3.4 | Y |
| | | 21 | 69 | 70 | 67.5 | 68.3 | <u>70.9</u> | Y | N | 3.4 | Y |
| | | 22 | 71.8 | 70 | 67.4 | 68.4 | <u>71.0</u> | Y | N | 3.6 | Y |
| | | 23 | 74.6 | 70 | 67.4 | 68.5 | <u>71.0</u> | Y | N | 3.6 | Y |
| | | 24 | 77.4 | 70 | 67.3 | 68.5 | <u>71.0</u> | Y | N | 3.7 | Y |
| | | 25 | 80.2 | 70 | 67.3 | 68.6 | <u>71.0</u> | Y | N | 3.7 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | PMH2 | 1 | 13 | 70 | 53.4 | 62.9 | 63.4 | N | N | 10.0 | N |
| | | 2 | 15.8 | 70 | 54.9 | 63.4 | 64.0 | N | N | 9.1 | N |
| | | 3 | 18.6 | 70 | 55.8 | 64.0 | 64.6 | N | N | 8.8 | N |
| | | 4 | 21.4 | 70 | 56.7 | 64.5 | 65.2 | N | N | 8.5 | N |
| | | 5 | 24.2 | 70 | 57.4 | 65.1 | 65.7 | N | N | 8.3 | N |
| | | 6 | 27 | 70 | 58.0 | 65.7 | 66.4 | N | N | 8.4 | N |
| | | 7 | 29.8 | 70 | 58.8 | 66.5 | 67.2 | N | N | 8.4 | N |
| | | 8 | 32.6 | 70 | 59.4 | 67.0 | 67.7 | N | N | 8.3 | N |
| | | 9 | 35.4 | 70 | 59.9 | 67.3 | 68.0 | N | N | 8.1 | N |
| | | 10 | 38.2 | 70 | 60.2 | 67.7 | 68.4 | N | N | 8.2 | N |
| | | 11 | 41 | 70 | 60.6 | 68.1 | 68.8 | N | N | 8.2 | N |
| | | 12 | 43.8 | 70 | 60.8 | 68.6 | 69.3 | N | N | 8.5 | N |
| | | 13 | 46.6 | 70 | 61.0 | 69.1 | 69.7 | N | N | 8.7 | N |
| | | 14 | 49.4 | 70 | 61.1 | 69.5 | 70.1 | N | N | 9.0 | N |
| | | 15 | 52.2 | 70 | 61.3 | 69.8 | 70.4 | N | N | 9.1 | N |
| | | 16 | 55 | 70 | 61.3 | 70.0 | <u>70.6</u> | Y | N | 9.3 | Y |
| | | 17 | 57.8 | 70 | 61.4 | 70.3 | <u>70.8</u> | Y | N | 9.4 | Y |
| | | 18 | 60.6 | 70 | 61.4 | <u>70.5</u> | <u>71.0</u> | Y | Y | 9.6 | Y |
| | | 19 | 63.4 | 70 | 61.4 | <u>70.6</u> | <u>71.1</u> | Y | Y | 9.7 | Y |
| | | 20 | 66.2 | 70 | 61.5 | <u>70.7</u> | <u>71.2</u> | Y | Y | 9.7 | Y |
| | | 21 | 69 | 70 | 61.5 | <u>70.8</u> | <u>71.3</u> | Y | Y | 9.8 | Y |
| | | 22 | 71.8 | 70 | 61.5 | <u>70.9</u> | <u>71.4</u> | Y | Y | 9.9 | Y |
| | | 23 | 74.6 | 70 | 61.5 | <u>71.0</u> | <u>71.4</u> | Y | Y | 9.9 | Y |
| | | 24 | 77.4 | 70 | 61.4 | <u>71.0</u> | <u>71.4</u> | Y | Y | 10.0 | Y |
| | | 25 | 80.2 | 70 | 61.5 | <u>71.0</u> | <u>71.5</u> | Y | Y | 10.0 | Y |
| Domestic Premises | PMH3 | 1 | 13 | 70 | 58.7 | 62.9 | 64.3 | N | N | 5.6 | N |
| | | 2 | 15.8 | 70 | 59.5 | 63.6 | 65.0 | N | N | 5.5 | N |
| | | 3 | 18.6 | 70 | 60.7 | 64.3 | 65.9 | N | N | 5.2 | N |
| | | 4 | 21.4 | 70 | 61.7 | 65.0 | 66.7 | N | N | 5.0 | N |
| | | 5 | 24.2 | 70 | 62.2 | 65.7 | 67.3 | N | N | 5.1 | N |
| | | 6 | 27 | 70 | 62.6 | 66.6 | 68.0 | N | N | 5.4 | N |
| | | 7 | 29.8 | 70 | 62.9 | 67.3 | 68.7 | N | N | 5.8 | N |
| | | 8 | 32.6 | 70 | 63.1 | 67.9 | 69.2 | N | N | 6.1 | N |
| | | 9 | 35.4 | 70 | 63.3 | 68.2 | 69.4 | N | N | 6.1 | N |
| | | 10 | 38.2 | 70 | 63.5 | 68.8 | 69.9 | N | N | 6.4 | N |
| | | 11 | 41 | 70 | 63.6 | 69.4 | 70.4 | N | N | 6.8 | N |
| | | 12 | 43.8 | 70 | 63.7 | 69.9 | <u>70.9</u> | Y | N | 7.2 | Y |
| | | 13 | 46.6 | 70 | 63.8 | 70.4 | <u>71.2</u> | Y | N | 7.4 | Y |
| | | 14 | 49.4 | 70 | 63.9 | <u>70.6</u> | <u>71.5</u> | Y | Y | 7.6 | Y |
| | | 15 | 52.2 | 70 | 63.9 | <u>70.9</u> | <u>71.7</u> | Y | Y | 7.8 | Y |
| | | 16 | 55 | 70 | 63.9 | <u>71.1</u> | <u>71.9</u> | Y | Y | 8.0 | Y |
| | | 17 | 57.8 | 70 | 63.9 | <u>71.3</u> | <u>72.0</u> | Y | Y | 8.1 | Y |
| | | 18 | 60.6 | 70 | 63.9 | <u>71.4</u> | <u>72.1</u> | Y | Y | 8.2 | Y |
| | | 19 | 63.4 | 70 | 63.9 | <u>71.4</u> | <u>72.1</u> | Y | Y | 8.2 | Y |
| | | 20 | 66.2 | 70 | 63.9 | <u>71.5</u> | <u>72.2</u> | Y | Y | 8.3 | Y |
| | | 21 | 69 | 70 | 63.8 | <u>71.6</u> | <u>72.2</u> | Y | Y | 8.4 | Y |
| | | 22 | 71.8 | 70 | 63.8 | <u>71.6</u> | <u>72.2</u> | Y | Y | 8.4 | Y |
| | | 23 | 74.6 | 70 | 63.8 | <u>71.6</u> | <u>72.3</u> | Y | Y | 8.5 | Y |
| | | 24 | 77.4 | 70 | 63.8 | <u>71.6</u> | <u>72.3</u> | Y | Y | 8.5 | Y |
| | | 25 | 80.2 | 70 | 63.7 | <u>71.6</u> | <u>72.2</u> | Y | Y | 8.5 | Y |
| | | 26 | 83 | 70 | 63.7 | <u>71.6</u> | <u>72.2</u> | Y | Y | 8.5 | Y |
| | | 27 | 85.8 | 70 | 63.7 | <u>71.5</u> | <u>72.2</u> | Y | Y | 8.5 | Y |
| Domestic Premises | PMH4 | 1 | 13 | 70 | 51.0 | 65.0 | 65.2 | N | N | 14.2 | N |
| | | 2 | 15.8 | 70 | 52.3 | 65.8 | 66.0 | N | N | 13.7 | N |
| | | 3 | 18.6 | 70 | 53.4 | 66.5 | 66.7 | N | N | 13.3 | N |
| | | 4 | 21.4 | 70 | 54.4 | 67.3 | 67.5 | N | N | 13.1 | N |
| | | 5 | 24.2 | 70 | 55.2 | 68.1 | 68.3 | N | N | 13.1 | N |
| | | 6 | 27 | 70 | 56.3 | 69.0 | 69.2 | N | N | 12.9 | N |
| | | 7 | 29.8 | 70 | 57.2 | 69.8 | 70.0 | N | N | 12.8 | N |
| | | 8 | 32.6 | 70 | 57.9 | 70.3 | <u>70.5</u> | Y | N | 12.6 | Y |
| | | 9 | 35.4 | 70 | 58.5 | <u>70.7</u> | <u>71.0</u> | Y | Y | 12.5 | Y |
| | | 10 | 38.2 | 70 | 59.1 | <u>71.3</u> | <u>71.6</u> | Y | Y | 12.5 | Y |
| | | 11 | 41 | 70 | 59.6 | <u>71.9</u> | <u>72.2</u> | Y | Y | 12.6 | Y |
| | | 12 | 43.8 | 70 | 59.8 | <u>72.4</u> | <u>72.7</u> | Y | Y | 12.9 | Y |
| | | 13 | 46.6 | 70 | 60.0 | <u>72.8</u> | <u>73.0</u> | Y | Y | 13.0 | Y |
| | | 14 | 49.4 | 70 | 60.2 | <u>73.1</u> | <u>73.3</u> | Y | Y | 13.1 | Y |
| | | 15 | 52.2 | 70 | 60.2 | <u>73.3</u> | <u>73.5</u> | Y | Y | 13.3 | Y |
| | | 16 | 55 | 70 | 60.3 | <u>73.5</u> | <u>73.7</u> | Y | Y | 13.4 | Y |
| | | 17 | 57.8 | 70 | 60.3 | <u>73.7</u> | <u>73.9</u> | Y | Y | 13.6 | Y |
| | | 18 | 60.6 | 70 | 60.3 | <u>73.7</u> | <u>73.9</u> | Y | Y | 13.6 | Y |
| | | 19 | 63.4 | 70 | 60.4 | <u>73.8</u> | <u>74.0</u> | Y | Y | 13.6 | Y |
| | | 20 | 66.2 | 70 | 60.3 | <u>73.9</u> | <u>74.1</u> | Y | Y | 13.8 | Y |
| | | 21 | 69 | 70 | 60.3 | <u>73.9</u> | <u>74.1</u> | Y | Y | 13.8 | Y |
| | | 22 | 71.8 | 70 | 60.3 | <u>73.9</u> | <u>74.1</u> | Y | Y | 13.8 | Y |
| | | 23 | 74.6 | 70 | 60.3 | <u>73.9</u> | <u>74.1</u> | Y | Y | 13.8 | Y |
| | | 24 | 77.4 | 70 | 60.2 | <u>73.9</u> | <u>74.1</u> | Y | Y | 13.9 | Y |
| | | 25 | 80.2 | 70 | 60.2 | <u>73.9</u> | <u>74.1</u> | Y | Y | 13.9 | Y |
| | | 26 | 83 | 70 | 60.1 | <u>73.9</u> | <u>74.0</u> | Y | Y | 13.9 | Y |
| | | 27 | 85.8 | 70 | 60.1 | <u>73.8</u> | <u>74.0</u> | Y | Y | 13.9 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | PMH5 | 1 | 13 | 70 | 49.1 | 64.2 | 64.4 | N | N | 15.3 | N |
| | | 2 | 15.8 | 70 | 50.4 | 64.9 | 65.1 | N | N | 14.7 | N |
| | | 3 | 18.6 | 70 | 51.5 | 65.7 | 65.9 | N | N | 14.4 | N |
| | | 4 | 21.4 | 70 | 52.6 | 66.3 | 66.5 | N | N | 13.9 | N |
| | | 5 | 24.2 | 70 | 53.3 | 67.2 | 67.4 | N | N | 14.1 | N |
| | | 6 | 27 | 70 | 54.3 | 68.1 | 68.2 | N | N | 13.9 | N |
| | | 7 | 29.8 | 70 | 55.3 | 69.0 | 69.1 | N | N | 13.8 | N |
| | | 8 | 32.6 | 70 | 56.0 | 69.4 | 69.6 | N | N | 13.6 | N |
| | | 9 | 35.4 | 70 | 56.8 | 69.9 | 70.1 | N | N | 13.3 | N |
| | | 10 | 38.2 | 70 | 57.4 | <u>70.5</u> | <u>70.7</u> | Y | Y | 13.3 | Y |
| | | 11 | 41 | 70 | 58.0 | <u>71.2</u> | <u>71.4</u> | Y | Y | 13.4 | Y |
| | | 12 | 43.8 | 70 | 58.3 | <u>71.7</u> | <u>71.9</u> | Y | Y | 13.6 | Y |
| | | 13 | 46.6 | 70 | 58.6 | <u>72.1</u> | <u>72.3</u> | Y | Y | 13.7 | Y |
| | | 14 | 49.4 | 70 | 58.8 | <u>72.4</u> | <u>72.5</u> | Y | Y | 13.7 | Y |
| | | 15 | 52.2 | 70 | 59.0 | <u>72.6</u> | <u>72.7</u> | Y | Y | 13.7 | Y |
| | | 16 | 55 | 70 | 59.0 | <u>72.8</u> | <u>72.9</u> | Y | Y | 13.9 | Y |
| | | 17 | 57.8 | 70 | 59.1 | <u>72.9</u> | <u>73.1</u> | Y | Y | 14.0 | Y |
| | | 18 | 60.6 | 70 | 59.1 | <u>73.0</u> | <u>73.2</u> | Y | Y | 14.1 | Y |
| | | 19 | 63.4 | 70 | 59.1 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.2 | Y |
| | | 20 | 66.2 | 70 | 59.1 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.2 | Y |
| | | 21 | 69 | 70 | 59.1 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.2 | Y |
| | | 22 | 71.8 | 70 | 59.1 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.2 | Y |
| | | 23 | 74.6 | 70 | 59.1 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.2 | Y |
| | | 24 | 77.4 | 70 | 59.1 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.2 | Y |
| | | 25 | 80.2 | 70 | 59.1 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.2 | Y |
| | | 26 | 83 | 70 | 59.0 | <u>73.1</u> | <u>73.3</u> | Y | Y | 14.3 | Y |
| | | 27 | 85.8 | 70 | 59.0 | <u>73.1</u> | <u>73.2</u> | Y | Y | 14.2 | Y |
| Domestic Premises | POH1 | 1 | 13 | 70 | 51.3 | 64.3 | 64.5 | N | N | 13.2 | N |
| | | 2 | 15.8 | 70 | 52.6 | 65.3 | 65.6 | N | N | 13.0 | N |
| | | 3 | 18.6 | 70 | 54.1 | 66.4 | 66.7 | N | N | 12.6 | N |
| | | 4 | 21.4 | 70 | 55.6 | 67.6 | 67.9 | N | N | 12.3 | N |
| | | 5 | 24.2 | 70 | 56.7 | 68.7 | 68.9 | N | N | 12.2 | N |
| | | 6 | 27 | 70 | 57.4 | 69.7 | 70.0 | N | N | 12.6 | N |
| | | 7 | 29.8 | 70 | 57.9 | <u>70.7</u> | <u>70.9</u> | Y | Y | 13.0 | Y |
| | | 8 | 32.6 | 70 | 58.2 | <u>71.3</u> | <u>71.5</u> | Y | Y | 13.3 | Y |
| | | 9 | 35.4 | 70 | 58.6 | <u>72.2</u> | <u>72.3</u> | Y | Y | 13.7 | Y |
| | | 10 | 38.2 | 70 | 58.9 | <u>72.9</u> | <u>73.1</u> | Y | Y | 14.2 | Y |
| | | 11 | 41 | 70 | 59.2 | <u>73.4</u> | <u>73.6</u> | Y | Y | 14.4 | Y |
| | | 12 | 43.8 | 70 | 59.4 | <u>73.8</u> | <u>73.9</u> | Y | Y | 14.5 | Y |
| | | 13 | 46.6 | 70 | 59.6 | <u>74.0</u> | <u>74.2</u> | Y | Y | 14.6 | Y |
| | | 14 | 49.4 | 70 | 59.8 | <u>74.2</u> | <u>74.3</u> | Y | Y | 14.5 | Y |
| | | 15 | 52.2 | 70 | 60.0 | <u>74.2</u> | <u>74.4</u> | Y | Y | 14.4 | Y |
| | | 16 | 55 | 70 | 60.2 | <u>74.3</u> | <u>74.5</u> | Y | Y | 14.3 | Y |
| | | 17 | 57.8 | 70 | 60.3 | <u>74.3</u> | <u>74.5</u> | Y | Y | 14.2 | Y |
| | | 18 | 60.6 | 70 | 60.5 | <u>74.3</u> | <u>74.5</u> | Y | Y | 14.0 | Y |
| | | 19 | 63.4 | 70 | 60.7 | <u>74.3</u> | <u>74.5</u> | Y | Y | 13.8 | Y |
| | | 20 | 66.2 | 70 | 60.8 | <u>74.2</u> | <u>74.4</u> | Y | Y | 13.6 | Y |
| | | 21 | 69 | 70 | 61.0 | <u>74.2</u> | <u>74.4</u> | Y | Y | 13.4 | Y |
| | | 22 | 71.8 | 70 | 61.1 | <u>74.1</u> | <u>74.3</u> | Y | Y | 13.2 | Y |
| | | 23 | 74.6 | 70 | 61.3 | <u>74.1</u> | <u>74.3</u> | Y | Y | 13.0 | Y |
| | | 24 | 77.4 | 70 | 61.4 | <u>74.0</u> | <u>74.2</u> | Y | Y | 12.8 | Y |
| | | 25 | 80.2 | 70 | 61.5 | <u>73.9</u> | <u>74.1</u> | Y | Y | 12.6 | Y |
| | | 26 | 83 | 70 | 61.6 | <u>73.8</u> | <u>74.1</u> | Y | Y | 12.5 | Y |
| | | 27 | 85.8 | 70 | 61.7 | <u>73.7</u> | <u>74.0</u> | Y | Y | 12.3 | Y |
| Domestic Premises | POH2 | 1 | 13 | 70 | 47.8 | 66.9 | 67.0 | N | N | 19.2 | N |
| | | 2 | 15.8 | 70 | 49.2 | 68.3 | 68.4 | N | N | 19.2 | N |
| | | 3 | 18.6 | 70 | 50.4 | 69.9 | 70.0 | N | N | 19.6 | N |
| | | 4 | 21.4 | 70 | 51.8 | <u>71.5</u> | <u>71.5</u> | Y | Y | 19.7 | Y |
| | | 5 | 24.2 | 70 | 53.3 | <u>72.6</u> | <u>72.7</u> | Y | Y | 19.4 | Y |
| | | 6 | 27 | 70 | 55.1 | <u>73.7</u> | <u>73.8</u> | Y | Y | 18.7 | Y |
| | | 7 | 29.8 | 70 | 56.8 | <u>74.5</u> | <u>74.5</u> | Y | Y | 17.7 | Y |
| | | 8 | 32.6 | 70 | 58.0 | <u>75.2</u> | <u>75.3</u> | Y | Y | 17.3 | Y |
| | | 9 | 35.4 | 70 | 58.8 | <u>75.9</u> | <u>76.0</u> | Y | Y | 17.2 | Y |
| | | 10 | 38.2 | 70 | 59.4 | <u>76.5</u> | <u>76.6</u> | Y | Y | 17.2 | Y |
| | | 11 | 41 | 70 | 59.8 | <u>76.9</u> | <u>77.0</u> | Y | Y | 17.2 | Y |
| | | 12 | 43.8 | 70 | 60.0 | <u>77.2</u> | <u>77.3</u> | Y | Y | 17.3 | Y |
| | | 13 | 46.6 | 70 | 60.2 | <u>77.3</u> | <u>77.4</u> | Y | Y | 17.2 | Y |
| | | 14 | 49.4 | 70 | 60.4 | <u>77.4</u> | <u>77.5</u> | Y | Y | 17.1 | Y |
| | | 15 | 52.2 | 70 | 60.6 | <u>77.5</u> | <u>77.6</u> | Y | Y | 17.0 | Y |
| | | 16 | 55 | 70 | 60.6 | <u>77.5</u> | <u>77.6</u> | Y | Y | 17.0 | Y |
| | | 17 | 57.8 | 70 | 60.7 | <u>77.4</u> | <u>77.5</u> | Y | Y | 16.8 | Y |
| | | 18 | 60.6 | 70 | 60.9 | <u>77.4</u> | <u>77.5</u> | Y | Y | 16.6 | Y |
| | | 19 | 63.4 | 70 | 61.0 | <u>77.4</u> | <u>77.5</u> | Y | Y | 16.5 | Y |
| | | 20 | 66.2 | 70 | 61.1 | <u>77.3</u> | <u>77.4</u> | Y | Y | 16.3 | Y |
| | | 21 | 69 | 70 | 61.2 | <u>77.2</u> | <u>77.3</u> | Y | Y | 16.1 | Y |
| | | 22 | 71.8 | 70 | 61.3 | <u>77.2</u> | <u>77.3</u> | Y | Y | 16.0 | Y |
| | | 23 | 74.6 | 70 | 61.4 | <u>77.1</u> | <u>77.2</u> | Y | Y | 15.8 | Y |
| | | 24 | 77.4 | 70 | 61.5 | <u>77.0</u> | <u>77.1</u> | Y | Y | 15.6 | Y |
| | | 25 | 80.2 | 70 | 61.5 | <u>76.9</u> | <u>77.0</u> | Y | Y | 15.5 | Y |
| | | 26 | 83 | 70 | 61.6 | <u>76.8</u> | <u>76.9</u> | Y | Y | 15.3 | Y |
| | | 27 | 85.8 | 70 | 61.6 | <u>76.7</u> | <u>76.8</u> | Y | Y | 15.2 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | POH3 | 1 | 13 | 70 | 45.6 | 66.7 | 66.7 | N | N | 21.1 | N |
| | | 2 | 15.8 | 70 | 46.9 | 68.0 | 68.1 | N | N | 21.2 | N |
| | | 3 | 18.6 | 70 | 48.5 | 69.6 | 69.7 | N | N | 21.2 | N |
| | | 4 | 21.4 | 70 | 50.2 | <u>71.3</u> | <u>71.3</u> | Y | Y | 21.1 | Y |
| | | 5 | 24.2 | 70 | 52.0 | <u>72.6</u> | <u>72.6</u> | Y | Y | 20.6 | Y |
| | | 6 | 27 | 70 | 53.5 | <u>73.8</u> | <u>73.8</u> | Y | Y | 20.3 | Y |
| | | 7 | 29.8 | 70 | 55.0 | <u>74.5</u> | <u>74.5</u> | Y | Y | 19.5 | Y |
| | | 8 | 32.6 | 70 | 56.1 | <u>75.2</u> | <u>75.2</u> | Y | Y | 19.1 | Y |
| | | 9 | 35.4 | 70 | 57.0 | <u>75.9</u> | <u>75.9</u> | Y | Y | 18.9 | Y |
| | | 10 | 38.2 | 70 | 57.6 | <u>76.5</u> | <u>76.5</u> | Y | Y | 18.9 | Y |
| | | 11 | 41 | 70 | 58.0 | <u>76.8</u> | <u>76.9</u> | Y | Y | 18.9 | Y |
| | | 12 | 43.8 | 70 | 58.3 | <u>77.1</u> | <u>77.1</u> | Y | Y | 18.8 | Y |
| | | 13 | 46.6 | 70 | 58.5 | <u>77.2</u> | <u>77.3</u> | Y | Y | 18.8 | Y |
| | | 14 | 49.4 | 70 | 58.6 | <u>77.3</u> | <u>77.4</u> | Y | Y | 18.8 | Y |
| | | 15 | 52.2 | 70 | 58.8 | <u>77.4</u> | <u>77.5</u> | Y | Y | 18.7 | Y |
| | | 16 | 55 | 70 | 58.9 | <u>77.4</u> | <u>77.5</u> | Y | Y | 18.6 | Y |
| | | 17 | 57.8 | 70 | 59.0 | <u>77.4</u> | <u>77.5</u> | Y | Y | 18.5 | Y |
| | | 18 | 60.6 | 70 | 59.1 | <u>77.4</u> | <u>77.4</u> | Y | Y | 18.3 | Y |
| | | 19 | 63.4 | 70 | 59.3 | <u>77.3</u> | <u>77.4</u> | Y | Y | 18.1 | Y |
| | | 20 | 66.2 | 70 | 59.4 | <u>77.2</u> | <u>77.3</u> | Y | Y | 17.9 | Y |
| | | 21 | 69 | 70 | 59.6 | <u>77.2</u> | <u>77.3</u> | Y | Y | 17.7 | Y |
| | | 22 | 71.8 | 70 | 59.8 | <u>77.1</u> | <u>77.2</u> | Y | Y | 17.4 | Y |
| | | 23 | 74.6 | 70 | 60.0 | <u>77.0</u> | <u>77.1</u> | Y | Y | 17.1 | Y |
| | | 24 | 77.4 | 70 | 60.1 | <u>77.0</u> | <u>77.1</u> | Y | Y | 17.0 | Y |
| | | 25 | 80.2 | 70 | 60.2 | <u>76.9</u> | <u>77.0</u> | Y | Y | 16.8 | Y |
| | | 26 | 83 | 70 | 60.2 | <u>76.8</u> | <u>76.9</u> | Y | Y | 16.7 | Y |
| | | 27 | 85.8 | 70 | 60.3 | <u>76.7</u> | <u>76.8</u> | Y | Y | 16.5 | Y |
| Domestic Premises | POH4 | 1 | 13 | 70 | 35.7 | 62.9 | 62.9 | N | N | 27.2 | N |
| | | 2 | 15.8 | 70 | 35.8 | 63.8 | 63.8 | N | N | 28.0 | N |
| | | 3 | 18.6 | 70 | 35.8 | 64.9 | 64.9 | N | N | 29.1 | N |
| | | 4 | 21.4 | 70 | 35.9 | 65.7 | 65.7 | N | N | 29.8 | N |
| | | 5 | 24.2 | 70 | 36.0 | 66.7 | 66.7 | N | N | 30.7 | N |
| | | 6 | 27 | 70 | 36.2 | 67.7 | 67.7 | N | N | 31.5 | N |
| | | 7 | 29.8 | 70 | 36.2 | 68.6 | 68.6 | N | N | 32.4 | N |
| | | 8 | 32.6 | 70 | 36.4 | 69.1 | 69.1 | N | N | 32.7 | N |
| | | 9 | 35.4 | 70 | 36.5 | 69.5 | 69.5 | N | N | 33.0 | N |
| | | 10 | 38.2 | 70 | 36.6 | 70.1 | 70.1 | N | N | 33.5 | N |
| | | 11 | 41 | 70 | 36.7 | <u>70.5</u> | <u>70.5</u> | Y | Y | 33.8 | Y |
| | | 12 | 43.8 | 70 | 36.8 | <u>70.9</u> | <u>70.9</u> | Y | Y | 34.1 | Y |
| | | 13 | 46.6 | 70 | 37.0 | <u>71.2</u> | <u>71.2</u> | Y | Y | 34.2 | Y |
| | | 14 | 49.4 | 70 | 37.1 | <u>71.5</u> | <u>71.5</u> | Y | Y | 34.4 | Y |
| | | 15 | 52.2 | 70 | 37.3 | <u>71.7</u> | <u>71.7</u> | Y | Y | 34.4 | Y |
| | | 16 | 55 | 70 | 37.5 | <u>71.9</u> | <u>71.9</u> | Y | Y | 34.4 | Y |
| | | 17 | 57.8 | 70 | 37.7 | <u>72.0</u> | <u>72.0</u> | Y | Y | 34.3 | Y |
| | | 18 | 60.6 | 70 | 38.0 | <u>72.1</u> | <u>72.1</u> | Y | Y | 34.1 | Y |
| | | 19 | 63.4 | 70 | 38.4 | <u>72.2</u> | <u>72.2</u> | Y | Y | 33.8 | Y |
| | | 20 | 66.2 | 70 | 38.9 | <u>72.2</u> | <u>72.2</u> | Y | Y | 33.3 | Y |
| | | 21 | 69 | 70 | 39.5 | <u>72.3</u> | <u>72.3</u> | Y | Y | 32.8 | Y |
| | | 22 | 71.8 | 70 | 40.2 | <u>72.3</u> | <u>72.3</u> | Y | Y | 32.1 | Y |
| | | 23 | 74.6 | 70 | 41.0 | <u>72.3</u> | <u>72.3</u> | Y | Y | 31.3 | Y |
| | | 24 | 77.4 | 70 | 41.9 | <u>72.3</u> | <u>72.3</u> | Y | Y | 30.4 | Y |
| | | 25 | 80.2 | 70 | 42.9 | <u>72.3</u> | <u>72.3</u> | Y | Y | 29.4 | Y |
| Domestic Premises | PTH1 | 1 | 15.9 | 70 | 41.3 | 66.4 | 66.5 | N | N | 25.2 | N |
| | | 2 | 18.7 | 70 | 42.2 | 68.1 | 68.1 | N | N | 25.9 | N |
| | | 3 | 21.5 | 70 | 43.2 | 70.0 | 70.0 | N | N | 26.8 | N |
| | | 4 | 24.3 | 70 | 44.4 | <u>72.1</u> | <u>72.1</u> | Y | Y | 27.7 | Y |
| | | 5 | 27.1 | 70 | 45.6 | <u>74.2</u> | <u>74.2</u> | Y | Y | 28.6 | Y |
| | | 6 | 29.9 | 70 | 46.7 | <u>75.3</u> | <u>75.3</u> | Y | Y | 28.6 | Y |
| | | 7 | 32.7 | 70 | 47.5 | <u>76.1</u> | <u>76.1</u> | Y | Y | 28.6 | Y |
| | | 8 | 35.5 | 70 | 48.3 | <u>76.7</u> | <u>76.7</u> | Y | Y | 28.4 | Y |
| | | 9 | 38.3 | 70 | 49.0 | <u>77.3</u> | <u>77.3</u> | Y | Y | 28.3 | Y |
| | | 10 | 41.1 | 70 | 49.6 | <u>77.6</u> | <u>77.6</u> | Y | Y | 28.0 | Y |
| | | 11 | 43.9 | 70 | 50.1 | <u>77.8</u> | <u>77.8</u> | Y | Y | 27.7 | Y |
| | | 12 | 46.7 | 70 | 50.6 | <u>77.9</u> | <u>77.9</u> | Y | Y | 27.3 | Y |
| | | 13 | 49.5 | 70 | 51.1 | <u>77.9</u> | <u>77.9</u> | Y | Y | 26.8 | Y |
| | | 14 | 52.3 | 70 | 51.5 | <u>78.0</u> | <u>78.0</u> | Y | Y | 26.5 | Y |
| | | 15 | 55.1 | 70 | 52.0 | <u>77.9</u> | <u>77.9</u> | Y | Y | 25.9 | Y |
| | | 16 | 57.9 | 70 | 52.4 | <u>77.9</u> | <u>77.9</u> | Y | Y | 25.5 | Y |
| | | 17 | 60.7 | 70 | 52.8 | <u>77.8</u> | <u>77.8</u> | Y | Y | 25.0 | Y |
| | | 18 | 63.5 | 70 | 53.1 | <u>77.7</u> | <u>77.8</u> | Y | Y | 24.7 | Y |
| | | 19 | 66.3 | 70 | 53.4 | <u>77.7</u> | <u>77.7</u> | Y | Y | 24.3 | Y |
| | | 20 | 69.1 | 70 | 53.6 | <u>77.6</u> | <u>77.6</u> | Y | Y | 24.0 | Y |
| | | 21 | 71.9 | 70 | 54.0 | <u>77.5</u> | <u>77.5</u> | Y | Y | 23.5 | Y |
| | | 22 | 74.7 | 70 | 54.2 | <u>77.4</u> | <u>77.4</u> | Y | Y | 23.2 | Y |
| | | 23 | 77.5 | 70 | 54.6 | <u>77.3</u> | <u>77.3</u> | Y | Y | 22.7 | Y |
| | | 24 | 80.3 | 70 | 54.9 | <u>77.2</u> | <u>77.2</u> | Y | Y | 22.3 | Y |
| | | 25 | 83.1 | 70 | 55.2 | <u>77.1</u> | <u>77.1</u> | Y | Y | 21.9 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | PTH2 | 1 | 15.9 | 70 | 59.3 | 63.4 | 64.9 | N | N | 5.6 | N |
| | | 2 | 18.7 | 70 | 59.8 | 65.9 | 66.8 | N | N | 7.0 | N |
| | | 3 | 21.5 | 70 | 60.4 | 68.7 | 69.3 | N | N | 8.9 | N |
| | | 4 | 24.3 | 70 | 61.2 | <u>72.1</u> | <u>72.4</u> | Y | Y | 11.2 | Y |
| | | 5 | 27.1 | 70 | 62.4 | <u>76.0</u> | <u>76.2</u> | Y | Y | 13.8 | Y |
| | | 6 | 29.9 | 70 | 64.0 | <u>77.9</u> | <u>78.0</u> | Y | Y | 14.0 | Y |
| | | 7 | 32.7 | 70 | 65.0 | <u>78.7</u> | <u>78.9</u> | Y | Y | 13.9 | Y |
| | | 8 | 35.5 | 70 | 65.5 | <u>79.3</u> | <u>79.5</u> | Y | Y | 14.0 | Y |
| | | 9 | 38.3 | 70 | 65.9 | <u>79.7</u> | <u>79.8</u> | Y | Y | 13.9 | Y |
| | | 10 | 41.1 | 70 | 66.0 | <u>79.8</u> | <u>80.0</u> | Y | Y | 14.0 | Y |
| | | 11 | 43.9 | 70 | 66.1 | <u>79.9</u> | <u>80.0</u> | Y | Y | 13.9 | Y |
| | | 12 | 46.7 | 70 | 66.2 | <u>79.8</u> | <u>80.0</u> | Y | Y | 13.8 | Y |
| | | 13 | 49.5 | 70 | 66.3 | <u>79.8</u> | <u>79.9</u> | Y | Y | 13.6 | Y |
| | | 14 | 52.3 | 70 | 66.3 | <u>79.6</u> | <u>79.8</u> | Y | Y | 13.5 | Y |
| | | 15 | 55.1 | 70 | 66.3 | <u>79.5</u> | <u>79.7</u> | Y | Y | 13.4 | Y |
| | | 16 | 57.9 | 70 | 66.3 | <u>79.4</u> | <u>79.6</u> | Y | Y | 13.3 | Y |
| | | 17 | 60.7 | 70 | 66.3 | <u>79.2</u> | <u>79.4</u> | Y | Y | 13.1 | Y |
| | | 18 | 63.5 | 70 | 66.3 | <u>79.1</u> | <u>79.3</u> | Y | Y | 13.0 | Y |
| | | 19 | 66.3 | 70 | 66.4 | <u>78.9</u> | <u>79.1</u> | Y | Y | 12.7 | Y |
| | | 20 | 69.1 | 70 | 66.3 | <u>78.8</u> | <u>79.0</u> | Y | Y | 12.7 | Y |
| | | 21 | 71.9 | 70 | 66.3 | <u>78.6</u> | <u>78.9</u> | Y | Y | 12.6 | Y |
| | | 22 | 74.7 | 70 | 66.3 | <u>78.4</u> | <u>78.7</u> | Y | Y | 12.4 | Y |
| | | 23 | 77.5 | 70 | 66.3 | <u>78.3</u> | <u>78.6</u> | Y | Y | 12.3 | Y |
| | | 24 | 80.3 | 70 | 66.4 | <u>78.2</u> | <u>78.5</u> | Y | Y | 12.1 | Y |
| | | 25 | 83.1 | 70 | 66.4 | <u>78.0</u> | <u>78.3</u> | Y | Y | 11.9 | Y |
| | | 26 | 85.9 | 70 | 66.4 | <u>77.9</u> | <u>78.2</u> | Y | Y | 11.8 | Y |
| | | 27 | 88.7 | 70 | 66.4 | <u>77.7</u> | <u>78.0</u> | Y | Y | 11.6 | Y |
| Domestic Premises | PTH3 | 1 | 15.9 | 70 | 61.3 | 62.9 | 65.2 | N | N | 3.9 | N |
| | | 2 | 18.7 | 70 | 61.7 | 64.9 | 66.6 | N | N | 4.9 | N |
| | | 3 | 21.5 | 70 | 62.3 | 67.3 | 68.5 | N | N | 6.2 | N |
| | | 4 | 24.3 | 70 | 63.1 | 70.1 | <u>70.9</u> | Y | N | 7.8 | Y |
| | | 5 | 27.1 | 70 | 64.3 | <u>73.2</u> | <u>73.8</u> | Y | Y | 9.5 | Y |
| | | 6 | 29.9 | 70 | 65.7 | <u>76.1</u> | <u>76.5</u> | Y | Y | 10.8 | Y |
| | | 7 | 32.7 | 70 | 66.8 | <u>77.5</u> | <u>77.8</u> | Y | Y | 11.0 | Y |
| | | 8 | 35.5 | 70 | 67.4 | <u>78.3</u> | <u>78.6</u> | Y | Y | 11.2 | Y |
| | | 9 | 38.3 | 70 | 67.7 | <u>78.8</u> | <u>79.1</u> | Y | Y | 11.4 | Y |
| | | 10 | 41.1 | 70 | 68.0 | <u>79.0</u> | <u>79.3</u> | Y | Y | 11.3 | Y |
| | | 11 | 43.9 | 70 | 68.0 | <u>79.1</u> | <u>79.4</u> | Y | Y | 11.4 | Y |
| | | 12 | 46.7 | 70 | 68.1 | <u>79.1</u> | <u>79.5</u> | Y | Y | 11.4 | Y |
| | | 13 | 49.5 | 70 | 68.2 | <u>79.1</u> | <u>79.4</u> | Y | Y | 11.2 | Y |
| | | 14 | 52.3 | 70 | 68.2 | <u>79.0</u> | <u>79.4</u> | Y | Y | 11.2 | Y |
| | | 15 | 55.1 | 70 | 68.3 | <u>78.9</u> | <u>79.3</u> | Y | Y | 11.0 | Y |
| | | 16 | 57.9 | 70 | 68.3 | <u>78.8</u> | <u>79.2</u> | Y | Y | 10.9 | Y |
| | | 17 | 60.7 | 70 | 68.3 | <u>78.7</u> | <u>79.1</u> | Y | Y | 10.8 | Y |
| | | 18 | 63.5 | 70 | 68.3 | <u>78.6</u> | <u>78.9</u> | Y | Y | 10.6 | Y |
| | | 19 | 66.3 | 70 | 68.3 | <u>78.4</u> | <u>78.8</u> | Y | Y | 10.5 | Y |
| | | 20 | 69.1 | 70 | 68.3 | <u>78.3</u> | <u>78.7</u> | Y | Y | 10.4 | Y |
| | | 21 | 71.9 | 70 | 68.3 | <u>78.1</u> | <u>78.6</u> | Y | Y | 10.3 | Y |
| | | 22 | 74.7 | 70 | 68.3 | <u>78.0</u> | <u>78.4</u> | Y | Y | 10.1 | Y |
| | | 23 | 77.5 | 70 | 68.3 | <u>77.9</u> | <u>78.3</u> | Y | Y | 10.0 | Y |
| | | 24 | 80.3 | 70 | 68.3 | <u>77.7</u> | <u>78.2</u> | Y | Y | 9.9 | Y |
| | | 25 | 83.1 | 70 | 68.3 | <u>77.6</u> | <u>78.1</u> | Y | Y | 9.8 | Y |
| | | 26 | 85.9 | 70 | 68.3 | <u>77.5</u> | <u>78.0</u> | Y | Y | 9.7 | Y |
| | | 27 | 88.7 | 70 | 68.3 | <u>77.3</u> | <u>77.8</u> | Y | Y | 9.5 | Y |
| Domestic Premises | PWH1 | 1 | 10.8 | 70 | 52.5 | 56.2 | 57.7 | N | N | 5.2 | N |
| | | 2 | 13.6 | 70 | 53.2 | 57.0 | 58.5 | N | N | 5.3 | N |
| | | 3 | 16.4 | 70 | 54.1 | 57.7 | 59.2 | N | N | 5.1 | N |
| | | 4 | 19.2 | 70 | 54.9 | 58.5 | 60.1 | N | N | 5.2 | N |
| | | 5 | 22 | 70 | 55.6 | 59.4 | 60.9 | N | N | 5.3 | N |
| | | 6 | 24.8 | 70 | 56.6 | 60.3 | 61.9 | N | N | 5.3 | N |
| | | 7 | 27.6 | 70 | 57.6 | 61.4 | 62.9 | N | N | 5.3 | N |
| | | 8 | 30.4 | 70 | 58.8 | 62.4 | 64.0 | N | N | 5.2 | N |
| | | 9 | 33.2 | 70 | 60.2 | 63.6 | 65.2 | N | N | 5.0 | N |
| | | 10 | 36 | 70 | 61.7 | 65.0 | 66.6 | N | N | 4.9 | N |
| | | 11 | 38.8 | 70 | 63.2 | 66.2 | 67.9 | N | N | 4.7 | N |
| | | 12 | 41.6 | 70 | 64.3 | 66.9 | 68.8 | N | N | 4.5 | N |
| | | 13 | 44.4 | 70 | 65.0 | 67.6 | 69.5 | N | N | 4.5 | N |
| | | 14 | 47.2 | 70 | 65.5 | 68.2 | 70.1 | N | N | 4.6 | N |
| | | 15 | 50 | 70 | 65.8 | 68.6 | <u>70.5</u> | Y | N | 4.7 | Y |
| | | 16 | 52.8 | 70 | 66.1 | 68.9 | <u>70.8</u> | Y | N | 4.7 | Y |
| | | 17 | 55.6 | 70 | 66.3 | 69.2 | <u>71.0</u> | Y | N | 4.7 | Y |
| | | 18 | 58.4 | 70 | 66.4 | 69.4 | <u>71.2</u> | Y | N | 4.8 | Y |
| Educational Institutions | IS1 | 1 | 13.1 | 65 | 49.0 | 61.9 | 62.1 | N | N | 13.1 | N |
| | | 2 | 15.9 | 65 | 50.1 | 63.0 | 63.2 | N | N | 13.1 | N |
| | | 3 | 18.7 | 65 | 51.3 | 64.3 | 64.5 | N | N | 13.2 | N |
| | | 4 | 21.5 | 65 | 52.7 | <u>65.8</u> | <u>66.0</u> | Y | Y | 13.3 | Y |
| | | 5 | 24.3 | 65 | 54.4 | <u>67.4</u> | <u>67.6</u> | Y | Y | 13.2 | Y |
| | | 6 | 27.1 | 65 | 56.1 | <u>69.3</u> | <u>69.5</u> | Y | Y | 13.4 | Y |
| | | 7 | 29.9 | 65 | 58.1 | <u>71.0</u> | <u>71.2</u> | Y | Y | 13.1 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | PYH1 | 1 | 12.3 | 70 | 62.0 | 51.5 | 62.4 | N | N | 0.4 | N |
| | | 2 | 15.1 | 70 | 62.4 | 52.4 | 62.8 | N | N | 0.4 | N |
| | | 3 | 17.9 | 70 | 62.7 | 53.4 | 63.2 | N | N | 0.5 | N |
| | | 4 | 20.7 | 70 | 63.0 | 54.5 | 63.5 | N | N | 0.5 | N |
| | | 5 | 23.5 | 70 | 63.1 | 55.6 | 63.8 | N | N | 0.7 | N |
| | | 6 | 26.3 | 70 | 63.4 | 56.9 | 64.2 | N | N | 0.8 | N |
| | | 7 | 29.1 | 70 | 63.6 | 58.1 | 64.7 | N | N | 1.1 | N |
| | | 8 | 31.9 | 70 | 63.8 | 59.4 | 65.2 | N | N | 1.4 | N |
| | | 9 | 34.7 | 70 | 64.1 | 60.8 | 65.8 | N | N | 1.7 | N |
| | | 10 | 37.5 | 70 | 64.4 | 62.5 | 66.6 | N | N | 2.2 | N |
| | | 11 | 40.3 | 70 | 64.8 | 63.7 | 67.3 | N | N | 2.5 | N |
| | | 12 | 43.1 | 70 | 65.1 | 64.7 | 68.0 | N | N | 2.9 | N |
| | | 13 | 45.9 | 70 | 65.4 | 65.7 | 68.6 | N | N | 3.2 | N |
| | | 14 | 48.7 | 70 | 65.7 | 66.5 | 69.1 | N | N | 3.4 | N |
| | | 15 | 51.5 | 70 | 65.9 | 67.1 | 69.6 | N | N | 3.7 | N |
| | | 16 | 54.3 | 70 | 66.1 | 67.5 | 69.8 | N | N | 3.7 | N |
| | | 17 | 57.1 | 70 | 66.2 | 67.9 | 70.1 | N | N | 3.9 | N |
| | | 18 | 59.9 | 70 | 66.3 | 68.2 | 70.3 | N | N | 4.0 | N |
| | | 19 | 62.7 | 70 | 66.4 | 68.4 | <u>70.5</u> | Y | N | 4.1 | Y |
| | | 20 | 65.5 | 70 | 66.5 | 68.5 | <u>70.7</u> | Y | N | 4.2 | Y |
| | | 21 | 68.3 | 70 | 66.5 | 68.7 | <u>70.7</u> | Y | N | 4.2 | Y |
| | | 22 | 71.1 | 70 | 66.6 | 68.8 | <u>70.8</u> | Y | N | 4.2 | Y |
| | | 23 | 73.9 | 70 | 66.6 | 68.9 | <u>70.9</u> | Y | N | 4.3 | Y |
| | | 24 | 76.7 | 70 | 66.6 | 69.0 | <u>71.0</u> | Y | N | 4.4 | Y |
| | | 25 | 79.5 | 70 | 66.7 | 69.0 | <u>71.0</u> | Y | N | 4.3 | Y |
| | | 26 | 82.3 | 70 | 66.7 | 69.1 | <u>71.1</u> | Y | N | 4.4 | Y |
| | | 27 | 85.1 | 70 | 66.7 | 69.1 | <u>71.1</u> | Y | N | 4.4 | Y |
| | | 28 | 87.9 | 70 | 66.7 | 69.1 | <u>71.1</u> | Y | N | 4.4 | Y |
| | | 29 | 90.7 | 70 | 66.7 | 69.2 | <u>71.1</u> | Y | N | 4.4 | Y |
| | | 30 | 93.5 | 70 | 66.8 | 69.2 | <u>71.1</u> | Y | N | 4.3 | Y |
| | | 31 | 96.3 | 70 | 66.8 | 69.2 | <u>71.1</u> | Y | N | 4.3 | Y |
| | | 32 | 99.1 | 70 | 66.8 | 69.2 | <u>71.1</u> | Y | N | 4.3 | Y |
| | | 33 | 101.9 | 70 | 66.8 | 69.1 | <u>71.1</u> | Y | N | 4.3 | Y |
| | | 34 | 104.7 | 70 | 66.8 | 69.2 | <u>71.1</u> | Y | N | 4.3 | Y |
| Domestic Premises | PCH1 | 1 | 15.4 | 70 | <u>72.4</u> | 61.5 | <u>72.8</u> | Y | N | 0.4 | N |
| | | 2 | 18.2 | 70 | <u>72.6</u> | 62.2 | <u>73.0</u> | Y | N | 0.4 | N |
| | | 3 | 21 | 70 | <u>72.8</u> | 63.0 | <u>73.2</u> | Y | N | 0.4 | N |
| | | 4 | 23.8 | 70 | <u>73.1</u> | 63.9 | <u>73.6</u> | Y | N | 0.5 | N |
| | | 5 | 26.6 | 70 | <u>73.6</u> | 65.0 | <u>74.1</u> | Y | N | 0.5 | N |
| | | 6 | 29.4 | 70 | <u>74.1</u> | 66.3 | <u>74.7</u> | Y | N | 0.6 | N |
| | | 7 | 32.2 | 70 | <u>74.5</u> | 67.8 | <u>75.3</u> | Y | N | 0.8 | N |
| | | 8 | 35 | 70 | <u>74.9</u> | 69.3 | <u>76.0</u> | Y | N | 1.1 | Y |
| | | 9 | 37.8 | 70 | <u>75.2</u> | 70.4 | <u>76.5</u> | Y | N | 1.3 | Y |
| | | 10 | 40.6 | 70 | <u>75.5</u> | <u>71.3</u> | <u>76.9</u> | Y | Y | 1.4 | Y |
| | | 11 | 43.4 | 70 | <u>75.6</u> | <u>71.8</u> | <u>77.1</u> | Y | Y | 1.5 | Y |
| | | 12 | 46.2 | 70 | <u>75.7</u> | <u>72.2</u> | <u>77.3</u> | Y | Y | 1.6 | Y |
| | | 13 | 49 | 70 | <u>75.7</u> | <u>72.4</u> | <u>77.4</u> | Y | Y | 1.7 | Y |
| | | 14 | 51.8 | 70 | <u>75.7</u> | <u>72.6</u> | <u>77.4</u> | Y | Y | 1.7 | Y |
| | | 15 | 54.6 | 70 | <u>75.7</u> | <u>72.7</u> | <u>77.5</u> | Y | Y | 1.8 | Y |
| | | 16 | 57.4 | 70 | <u>75.6</u> | <u>72.8</u> | <u>77.4</u> | Y | Y | 1.8 | Y |
| | | 17 | 60.2 | 70 | <u>75.6</u> | <u>72.7</u> | <u>77.4</u> | Y | Y | 1.8 | Y |
| | | 18 | 63 | 70 | <u>75.5</u> | <u>72.8</u> | <u>77.4</u> | Y | Y | 1.9 | Y |
| | | 19 | 65.8 | 70 | <u>75.5</u> | <u>72.8</u> | <u>77.4</u> | Y | Y | 1.9 | Y |
| | | 20 | 68.6 | 70 | <u>75.4</u> | <u>72.7</u> | <u>77.3</u> | Y | Y | 1.9 | Y |
| | | 21 | 71.4 | 70 | <u>75.4</u> | <u>72.7</u> | <u>77.2</u> | Y | Y | 1.8 | Y |
| | | 22 | 74.2 | 70 | <u>75.3</u> | <u>72.6</u> | <u>77.1</u> | Y | Y | 1.8 | Y |
| | | 23 | 77 | 70 | <u>75.2</u> | <u>72.6</u> | <u>77.1</u> | Y | Y | 1.9 | Y |
| | | 24 | 79.8 | 70 | <u>75.1</u> | <u>72.5</u> | <u>77.0</u> | Y | Y | 1.9 | Y |
| | | 25 | 82.6 | 70 | <u>75.1</u> | <u>72.4</u> | <u>76.9</u> | Y | Y | 1.8 | Y |
| | | 26 | 85.4 | 70 | <u>75.0</u> | <u>72.4</u> | <u>76.9</u> | Y | Y | 1.9 | Y |
| | | 27 | 88.2 | 70 | <u>74.9</u> | <u>72.3</u> | <u>76.8</u> | Y | Y | 1.9 | Y |
| | | 28 | 91 | 70 | <u>74.8</u> | <u>72.2</u> | <u>76.7</u> | Y | Y | 1.9 | Y |
| | | 29 | 93.8 | 70 | <u>74.8</u> | <u>72.2</u> | <u>76.7</u> | Y | Y | 1.9 | Y |
| | | 30 | 96.6 | 70 | <u>74.7</u> | <u>72.1</u> | <u>76.6</u> | Y | Y | 1.9 | Y |
| | | 31 | 99.4 | 70 | <u>74.6</u> | <u>72.0</u> | <u>76.5</u> | Y | Y | 1.9 | Y |
| | | 32 | 102.2 | 70 | <u>74.5</u> | <u>71.9</u> | <u>76.4</u> | Y | Y | 1.9 | Y |
| | | 33 | 105 | 70 | <u>74.5</u> | <u>71.8</u> | <u>76.3</u> | Y | Y | 1.8 | Y |
| | | 34 | 107.8 | 70 | <u>74.4</u> | <u>71.8</u> | <u>76.3</u> | Y | Y | 1.9 | Y |
| Educational Institutions | CC1 | 1 | 13.1 | 65 | 64.4 | 61.4 | <u>66.2</u> | Y | N | 1.8 | Y |
| | | 2 | 15.9 | 65 | 64.8 | 62.8 | <u>66.9</u> | Y | N | 2.1 | Y |
| | | 3 | 18.7 | 65 | 65.3 | 64.3 | <u>67.8</u> | Y | N | 2.5 | Y |
| | | 4 | 21.5 | 65 | <u>66.0</u> | <u>66.0</u> | <u>69.0</u> | Y | Y | 3.0 | Y |
| | | 5 | 24.3 | 65 | <u>66.9</u> | <u>68.2</u> | <u>70.6</u> | Y | Y | 3.7 | Y |
| | | 6 | 27.1 | 65 | <u>68.1</u> | <u>71.0</u> | <u>72.8</u> | Y | Y | 4.7 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|--------------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Educational Institutions | CC2 | 1 | 13.1 | 65 | <u>70.3</u> | 61.1 | <u>70.8</u> | Y | N | 0.5 | N |
| | | 2 | 15.9 | 65 | <u>71.1</u> | 62.4 | <u>71.7</u> | Y | N | 0.6 | N |
| | | 3 | 18.7 | 65 | <u>71.6</u> | 63.7 | <u>72.2</u> | Y | N | 0.6 | N |
| | | 4 | 21.5 | 65 | <u>71.9</u> | 65.4 | <u>72.8</u> | Y | N | 0.9 | N |
| | | 5 | 24.3 | 65 | <u>72.4</u> | <u>67.2</u> | <u>73.6</u> | Y | Y | 1.2 | Y |
| | | 6 | 27.1 | 65 | <u>73.1</u> | <u>69.5</u> | <u>74.7</u> | Y | Y | 1.6 | Y |
| Domestic Premises | TUV1 | 1 | 17.6 | 70 | <u>71.2</u> | <u>67.2</u> | <u>72.7</u> | Y | N | 1.5 | Y |
| | | 2 | 20.4 | 70 | <u>71.9</u> | 67.5 | <u>73.2</u> | Y | N | 1.3 | Y |
| | | 3 | 23.2 | 70 | <u>73.1</u> | 67.8 | <u>74.2</u> | Y | N | 1.1 | Y |
| Domestic Premises | TUV2 | 1 | 17.6 | 70 | <u>78.0</u> | 66.3 | <u>78.2</u> | Y | N | 0.2 | N |
| | | 2 | 20.4 | 70 | <u>77.7</u> | 66.6 | <u>78.1</u> | Y | N | 0.4 | N |
| | | 3 | 23.2 | 70 | <u>77.5</u> | 67.0 | <u>77.8</u> | Y | N | 0.3 | N |
| Domestic Premises | TUV3 | 1 | 20.1 | 70 | <u>72.5</u> | 59.5 | <u>72.7</u> | Y | N | 0.2 | N |
| | | 2 | 22.9 | 70 | <u>72.9</u> | 60.9 | <u>73.2</u> | Y | N | 0.3 | N |
| | | 3 | 25.7 | 70 | <u>73.7</u> | 62.6 | <u>74.0</u> | Y | N | 0.3 | N |
| Domestic Premises | FYHN1 | 1 | 31.3 | 70 | <u>77.6</u> | 62.1 | <u>77.7</u> | Y | N | 0.1 | N |
| | | 2 | 34.1 | 70 | <u>82.1</u> | 64.1 | <u>82.1</u> | Y | N | 0.0 | N |
| | | 3 | 36.9 | 70 | <u>82.3</u> | 64.6 | <u>82.4</u> | Y | N | 0.1 | N |
| Domestic Premises | FYHN2 | 1 | 35.9 | 70 | <u>76.2</u> | 48.8 | <u>76.3</u> | Y | N | 0.1 | N |
| | | 2 | 38.7 | 70 | <u>79.7</u> | 56.0 | <u>79.7</u> | Y | N | 0.0 | N |
| | | 3 | 41.5 | 70 | <u>80.9</u> | 63.7 | <u>81.0</u> | Y | N | 0.1 | N |
| Domestic Premises | TPHS1 | 1 | 63.1 | 70 | 69.0 | <u>71.3</u> | <u>73.3</u> | Y | Y | 4.3 | Y |
| | | 2 | 65.9 | 70 | 69.4 | <u>74.5</u> | <u>75.7</u> | Y | Y | 6.3 | Y |
| | | 3 | 68.7 | 70 | 69.7 | <u>76.3</u> | <u>77.1</u> | Y | Y | 7.4 | Y |
| Domestic Premises | TPHS2 | 1 | 63.1 | 70 | 63.9 | <u>74.5</u> | <u>74.8</u> | Y | Y | 10.9 | Y |
| | | 2 | 65.9 | 70 | 66.8 | <u>76.4</u> | <u>76.8</u> | Y | Y | 10.0 | Y |
| | | 3 | 68.7 | 70 | 67.6 | <u>76.9</u> | <u>77.4</u> | Y | Y | 9.8 | Y |
| Domestic Premises | TPHS3 | 1 | 63.1 | 70 | 65.3 | <u>77.4</u> | <u>77.7</u> | Y | Y | 12.4 | Y |
| | | 2 | 65.9 | 70 | 65.6 | <u>77.5</u> | <u>77.7</u> | Y | Y | 12.1 | Y |
| | | 3 | 68.7 | 70 | 65.7 | <u>77.4</u> | <u>77.7</u> | Y | Y | 12.0 | Y |
| Domestic Premises | TPHS4 | 1 | 63.1 | 70 | 50.8 | <u>71.2</u> | <u>71.2</u> | Y | Y | 20.4 | Y |
| | | 2 | 65.9 | 70 | 51.9 | <u>71.6</u> | <u>71.7</u> | Y | Y | 19.8 | Y |
| | | 3 | 68.7 | 70 | 52.9 | <u>72.7</u> | <u>72.7</u> | Y | Y | 19.8 | Y |
| Domestic Premises | SCOE1 | 1 | 66.9 | 70 | 70.0 | 69.2 | <u>72.6</u> | Y | N | 2.6 | Y |
| | | 2 | 69.7 | 70 | <u>72.6</u> | 69.6 | <u>74.4</u> | Y | N | 1.8 | Y |
| | | 3 | 72.5 | 70 | <u>73.8</u> | 69.7 | <u>75.2</u> | Y | N | 1.4 | Y |
| | | 4 | 75.3 | 70 | <u>74.4</u> | 69.7 | <u>75.7</u> | Y | N | 1.3 | Y |
| | | 5 | 78.1 | 70 | <u>74.8</u> | 69.7 | <u>75.9</u> | Y | N | 1.1 | Y |
| | | 6 | 80.9 | 70 | <u>75.0</u> | 69.6 | <u>76.1</u> | Y | N | 1.1 | Y |
| | | 7 | 83.7 | 70 | <u>75.1</u> | 69.6 | <u>76.2</u> | Y | N | 1.1 | Y |
| | | 8 | 86.5 | 70 | <u>75.2</u> | 69.5 | <u>76.3</u> | Y | N | 1.1 | Y |
| | | 9 | 89.3 | 70 | <u>75.4</u> | 69.5 | <u>76.3</u> | Y | N | 0.9 | N |
| | | 10 | 92.1 | 70 | <u>75.4</u> | 69.4 | <u>76.4</u> | Y | N | 1.0 | Y |
| | | 11 | 94.9 | 70 | <u>75.4</u> | 69.3 | <u>76.4</u> | Y | N | 1.0 | Y |
| | | 12 | 97.7 | 70 | <u>75.4</u> | 69.2 | <u>76.3</u> | Y | N | 0.9 | N |
| | | 13 | 100.5 | 70 | <u>75.3</u> | 69.2 | <u>76.3</u> | Y | N | 1.0 | Y |
| | | 14 | 103.3 | 70 | <u>75.3</u> | 69.1 | <u>76.2</u> | Y | N | 0.9 | N |
| | | 15 | 106.1 | 70 | <u>75.2</u> | 69.0 | <u>76.2</u> | Y | N | 1.0 | Y |
| | | 16 | 108.9 | 70 | <u>75.2</u> | 68.9 | <u>76.1</u> | Y | N | 0.9 | N |
| | | 17 | 111.7 | 70 | <u>75.1</u> | 68.9 | <u>76.0</u> | Y | N | 0.9 | N |
| | | 18 | 114.5 | 70 | <u>75.0</u> | 68.8 | <u>75.9</u> | Y | N | 0.9 | N |
| | | 19 | 117.3 | 70 | <u>74.9</u> | 68.7 | <u>75.9</u> | Y | N | 1.0 | Y |
| | | 20 | 120.1 | 70 | <u>74.9</u> | 68.6 | <u>75.8</u> | Y | N | 0.9 | N |
| | | 21 | 122.9 | 70 | <u>74.8</u> | 68.6 | <u>75.7</u> | Y | N | 0.9 | N |
| | | 22 | 125.7 | 70 | <u>74.7</u> | 68.5 | <u>75.6</u> | Y | N | 0.9 | N |
| | | 23 | 128.5 | 70 | <u>74.6</u> | 68.4 | <u>75.6</u> | Y | N | 1.0 | Y |
| | | 24 | 131.3 | 70 | <u>74.6</u> | 68.3 | <u>75.5</u> | Y | N | 0.9 | N |
| | | 25 | 134.1 | 70 | <u>74.5</u> | 68.3 | <u>75.4</u> | Y | N | 0.9 | N |
| | | 26 | 136.9 | 70 | <u>74.4</u> | 68.2 | <u>75.3</u> | Y | N | 0.9 | N |
| | | 27 | 139.7 | 70 | <u>74.3</u> | 68.1 | <u>75.3</u> | Y | N | 1.0 | Y |
| | | 28 | 142.5 | 70 | <u>74.2</u> | 68.1 | <u>75.2</u> | Y | N | 1.0 | Y |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | SCOE2 | 1 | 67.3 | 70 | 70.1 | 45.6 | 70.2 | N | N | 0.1 | N |
| | | 2 | 70.1 | 70 | 70.3 | 47.9 | 70.3 | N | N | 0.0 | N |
| | | 3 | 72.9 | 70 | 70.4 | 49.9 | 70.4 | N | N | 0.0 | N |
| | | 4 | 75.7 | 70 | 70.5 | 51.9 | 70.6 | Y | N | 0.1 | N |
| | | 5 | 78.5 | 70 | 70.6 | 52.9 | 70.7 | Y | N | 0.1 | N |
| | | 6 | 81.3 | 70 | 70.7 | 53.7 | 70.8 | Y | N | 0.1 | N |
| | | 7 | 84.1 | 70 | 70.8 | 54.3 | 70.9 | Y | N | 0.1 | N |
| | | 8 | 86.9 | 70 | 70.9 | 54.6 | 71.0 | Y | N | 0.1 | N |
| | | 9 | 89.7 | 70 | 71.1 | 54.9 | 71.2 | Y | N | 0.1 | N |
| | | 10 | 92.5 | 70 | 71.2 | 55.1 | 71.3 | Y | N | 0.1 | N |
| | | 11 | 95.3 | 70 | 71.3 | 55.4 | 71.4 | Y | N | 0.1 | N |
| | | 12 | 98.1 | 70 | 71.5 | 55.7 | 71.6 | Y | N | 0.1 | N |
| | | 13 | 100.9 | 70 | 71.6 | 56.0 | 71.8 | Y | N | 0.2 | N |
| | | 14 | 103.7 | 70 | 71.8 | 56.3 | 71.9 | Y | N | 0.1 | N |
| | | 15 | 106.5 | 70 | 71.9 | 56.4 | 72.1 | Y | N | 0.2 | N |
| | | 16 | 109.3 | 70 | 72.0 | 56.5 | 72.1 | Y | N | 0.1 | N |
| | | 17 | 112.1 | 70 | 72.1 | 56.5 | 72.2 | Y | N | 0.1 | N |
| | | 18 | 114.9 | 70 | 72.2 | 56.5 | 72.3 | Y | N | 0.1 | N |
| | | 19 | 117.7 | 70 | 72.3 | 56.5 | 72.4 | Y | N | 0.1 | N |
| | | 20 | 120.5 | 70 | 72.3 | 56.4 | 72.4 | Y | N | 0.1 | N |
| | | 21 | 123.3 | 70 | 72.4 | 56.3 | 72.5 | Y | N | 0.1 | N |
| | | 22 | 126.1 | 70 | 72.5 | 56.3 | 72.6 | Y | N | 0.1 | N |
| | | 23 | 128.9 | 70 | 72.5 | 56.2 | 72.6 | Y | N | 0.1 | N |
| | | 24 | 131.7 | 70 | 72.6 | 56.2 | 72.7 | Y | N | 0.1 | N |
| | | 25 | 134.5 | 70 | 72.6 | 56.1 | 72.7 | Y | N | 0.1 | N |
| | | 26 | 137.3 | 70 | 72.7 | 56.0 | 72.8 | Y | N | 0.1 | N |
| Domestic Premises | HL1 | 1 | 24.5 | 70 | 68.4 | 61.6 | 69.2 | N | N | 0.8 | N |
| | | 2 | 27.3 | 70 | 69.3 | 62.2 | 70.1 | N | N | 0.8 | N |
| Domestic Premises | HL2 | 1 | 24.5 | 70 | 70.7 | 63.9 | 71.6 | Y | N | 0.9 | N |
| | | 2 | 27.3 | 70 | 72.2 | 65.4 | 73.0 | Y | N | 0.8 | N |
| Domestic Premises | HL3 | 1 | 24.5 | 70 | 65.9 | 59.7 | 66.8 | N | N | 0.9 | N |
| | | 2 | 27.3 | 70 | 68.1 | 61.2 | 68.9 | N | N | 0.8 | N |
| Domestic Premises | 39P1 | 1 | 41.2 | 70 | 58.1 | 50.5 | 58.8 | N | N | 0.7 | N |
| | | 2 | 44 | 70 | 60.3 | 53.3 | 61.1 | N | N | 0.8 | N |
| | | 3 | 46.8 | 70 | 62.4 | 55.9 | 63.3 | N | N | 0.9 | N |
| | | 4 | 49.6 | 70 | 64.6 | 57.2 | 65.3 | N | N | 0.7 | N |
| | | 5 | 52.4 | 70 | 66.5 | 58.2 | 67.1 | N | N | 0.6 | N |
| | | 6 | 55.2 | 70 | 67.9 | 59.3 | 68.4 | N | N | 0.5 | N |
| | | 7 | 58 | 70 | 68.7 | 60.0 | 69.3 | N | N | 0.6 | N |
| | | 8 | 60.8 | 70 | 69.2 | 60.6 | 69.8 | N | N | 0.6 | N |
| | | 9 | 63.6 | 70 | 69.5 | 61.0 | 70.1 | N | N | 0.6 | N |
| | | 10 | 66.4 | 70 | 69.7 | 61.3 | 70.3 | N | N | 0.6 | N |
| | | 11 | 69.2 | 70 | 69.9 | 61.5 | 70.5 | Y | N | 0.6 | N |
| | | 12 | 72 | 70 | 70.0 | 61.7 | 70.6 | Y | N | 0.6 | N |
| | | 13 | 74.8 | 70 | 70.1 | 61.8 | 70.7 | Y | N | 0.6 | N |
| | | 14 | 77.6 | 70 | 70.2 | 62.0 | 70.8 | Y | N | 0.6 | N |
| | | 15 | 80.4 | 70 | 70.3 | 62.1 | 70.9 | Y | N | 0.6 | N |
| Domestic Premises | 39P2 | 1 | 61.2 | 70 | 68.1 | 60.4 | 68.8 | N | N | 0.7 | N |
| | | 2 | 64 | 70 | 68.4 | 60.7 | 69.1 | N | N | 0.7 | N |
| | | 3 | 66.8 | 70 | 68.6 | 61.0 | 69.3 | N | N | 0.7 | N |
| | | 4 | 69.6 | 70 | 68.8 | 61.2 | 69.5 | N | N | 0.7 | N |
| | | 5 | 72.4 | 70 | 69.0 | 61.4 | 69.7 | N | N | 0.7 | N |
| | | 6 | 75.2 | 70 | 69.1 | 61.5 | 69.8 | N | N | 0.7 | N |
| | | 7 | 78 | 70 | 69.2 | 61.7 | 69.9 | N | N | 0.7 | N |
| | | 8 | 80.8 | 70 | 69.3 | 61.8 | 70.0 | N | N | 0.7 | N |
| | | 9 | 83.6 | 70 | 69.4 | 62.0 | 70.1 | N | N | 0.7 | N |
| | | 10 | 86.4 | 70 | 69.5 | 62.0 | 70.2 | N | N | 0.7 | N |
| | | 11 | 89.2 | 70 | 69.6 | 62.1 | 70.3 | N | N | 0.7 | N |
| | | 12 | 92 | 70 | 69.6 | 62.2 | 70.4 | N | N | 0.8 | N |
| | | 13 | 94.8 | 70 | 69.7 | 62.3 | 70.4 | N | N | 0.7 | N |
| | | 14 | 97.6 | 70 | 69.8 | 62.4 | 70.5 | Y | N | 0.7 | N |
| | | 15 | 100.4 | 70 | 69.9 | 62.5 | 70.6 | Y | N | 0.7 | N |

Detailed Results of Road Traffic Noise Assessment (Unmitigated Scenario) (Year 2043)

| Landuse | Noise Assessment Point | Level | Assessment Height (mPD) | Noise Criteria, L10(1-hr), dB(A) [A] | Predicted Noise Level in 2043, L10(1-hr), dB(A) | | | Criteria for Additional Noise Mitigation Measures | | | Direct Mitigation Measures Required [Y/N] |
|-------------------|------------------------|-------|-------------------------|--------------------------------------|---|------------------|-------------|---|-----------------------------|--|---|
| | | | | | Existing Road [B] | Project Road [C] | Overall [D] | Overall Exceed [D]>[A] | Project Road Exceed [C]>[A] | Project Road Contribution [D]-[B]>=1.0 | |
| Domestic Premises | 39P3 | 1 | 31.2 | 70 | 68.2 | 59.8 | 68.8 | N | N | 0.6 | N |
| | | 2 | 34 | 70 | 68.7 | 60.2 | 69.3 | N | N | 0.6 | N |
| | | 3 | 36.8 | 70 | 69.2 | 60.7 | 69.8 | N | N | 0.6 | N |
| | | 4 | 39.6 | 70 | 69.6 | 61.2 | 70.2 | N | N | 0.6 | N |
| | | 5 | 42.4 | 70 | 70.1 | 61.6 | 70.7 | Y | N | 0.6 | N |
| | | 6 | 45.2 | 70 | 70.5 | 62.0 | 71.0 | Y | N | 0.5 | N |
| | | 7 | 48 | 70 | 70.8 | 62.3 | 71.4 | Y | N | 0.6 | N |
| | | 8 | 50.8 | 70 | 71.1 | 62.7 | 71.7 | Y | N | 0.6 | N |
| | | 9 | 53.6 | 70 | 71.3 | 63.0 | 71.9 | Y | N | 0.6 | N |
| | | 10 | 56.4 | 70 | 71.6 | 63.3 | 72.2 | Y | N | 0.6 | N |
| | | 11 | 59.2 | 70 | 71.8 | 63.5 | 72.4 | Y | N | 0.6 | N |
| | | 12 | 62 | 70 | 72.0 | 63.7 | 72.6 | Y | N | 0.6 | N |
| | | 13 | 64.8 | 70 | 72.2 | 63.9 | 72.8 | Y | N | 0.6 | N |
| | | 14 | 67.6 | 70 | 72.3 | 64.1 | 72.9 | Y | N | 0.6 | N |
| | | 15 | 70.4 | 70 | 72.5 | 64.2 | 73.1 | Y | N | 0.6 | N |

Remarks:

[1] **BOLD** Exceed relevant noise criteria.

[2] Representative NSRs HL & 39P are identified as planned receivers in the assessment area.