

**A57 Link Roads  
TR010034**

**6.5 Environmental Statement  
Appendix 11.4: Predicted Road Traffic  
Noise Levels at Selected Representative  
Locations**

APFP Regulation 5(2)(a)

Planning Act 2008 Infrastructure Planning (Applications:  
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## 11. Predicted Road Traffic Noise Levels at Selected Representation Locations

### 11.1 Introduction

- 11.1.1 This document presents the predicted road traffic noise levels in the operation phase of the Scheme in its opening year (2025) and future assessment year (2040) for a selection of sensitive receptors within the study area. The document also gives a list of properties with potential to qualify for noise insulation.
- 11.1.2 The predicted road traffic noise levels for the following scenarios are provided in this document:
- Do Minimum Opening Year (DM 2025) – without the Scheme in the opening year
  - Do Something Opening Year (DS 2025) – with the Scheme in the opening year
  - Do Minimum Future Year (DM 2040) – without the Scheme in the future assessment year
  - Do Something Future Year (DS 2040) – with the Scheme in the future assessment year
- 11.1.3 The operation phase assessment used 72,785 prediction points to establish the level of noise impact at sensitive receptors, with at least one prediction point was modelled on each facade of a noise sensitive building. The results presented in this section are the predicted road traffic noise levels at 1 m from the worst affected facade and floor (or prediction point) at 70 noise sensitive receptors representing the detailed study area close to the Scheme and the wider area. The worst affected facade and floor of the noise sensitive properties was the one where the least beneficial change in noise levels were predicted.
- 11.1.4 For further details about the assessment methodology, modelling assumptions and limitations, and the significance threshold levels used to appraise the Scheme, please refer to the Noise and Vibration chapter (Chapter 11) of the Environmental Statement (ES) (TR010034/APP/6.3).
- 11.1.5 Calculations are shown for both daytime and night-time noise levels at the receptors.

### 11.2 Predicted daytime road traffic noise levels

- 11.2.1 Table 11.2.1 below shows the predicted daytime ( $L_{A10,18h}$ ) road traffic noise levels at the representative selection of residential and non-residential sensitive receptors in the detailed noise modelling study area close to the Scheme and the wider area.

**Table 11.2.1: Predicted daytime road traffic noise levels at selected locations**

| Receptor  | Receptor type | Study area | Road traffic noise levels (L <sub>A10,18h</sub> , dB) |         |         |         | Change (dB) |           |
|---|---------------|------------|---|---------|---------|---------|-------------|-----------|
|   |               |            | DM 2025   | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 12 Alport Way, Glossop, Glossop, SK13 0LP                     | Dwelling      | Scheme     | 51.0  | 52.0    | 51.0    | 52.4    | 1.0         | 1.4       |
| 134 Brookfield, Glossop, Glossop, SK13 6JE                    | Dwelling      | Scheme     | 60.6  | 62.1    | 60.6    | 62.5    | 1.5         | 1.9       |
| 13 Lower Barn Road, Glossop, Glossop, SK13 2DZ                | Dwelling      | Scheme     | 46.6  | 47.9    | 46.7    | 48.2    | 1.3         | 1.6       |
| 48 Lower Barn Road, Glossop, Glossop, SK13 2DZ                | Dwelling      | Scheme     | 47.4  | 49.1    | 47.4    | 49.4    | 1.7         | 2.0       |
| 7 Springfield Close, Glossop, Glossop, SK13 2EF               | Dwelling      | Scheme     | 49.5  | 52.3    | 49.5    | 52.7    | 2.8         | 3.2       |
| 16 Tavern Road, Glossop, Glossop, SK13 2RB                    | Dwelling      | Scheme     | 47.8  | 50.1    | 47.8    | 50.5    | 2.3         | 2.7       |
| 18 Woolley Bridge, Glossop, Glossop, SK13 2NX                 | Dwelling      | Scheme     | 65.9  | 68.9    | 65.9    | 69.2    | 3.0         | 3.3       |
| 54 Woolley Bridge, Glossop, Glossop, SK13 2NX                 | Dwelling      | Scheme     | 61.6  | 64.8    | 61.6    | 65.1    | 3.2         | 3.5       |
| 72 Woolley Bridge, Glossop, Glossop, SK13 2NX                 | Dwelling      | Scheme     | 73.3  | 71.1    | 73.3    | 71.5    | -2.2        | -1.8      |
| Meadow View, Carrhouse Lane, Hollingworth, Hyde, SK14 8NA     | Dwelling      | Scheme     | 50.0  | 54.0    | 50.0    | 54.4    | 4.0         | 4.4       |
| Robin Hood Farm, Carrhouse Lane, Hollingworth, Hyde, SK14 8NA | Dwelling      | Scheme     | 45.5  | 54.5    | 45.6    | 54.9    | 9.0         | 9.4       |
| 31 Church Road, Hollingworth, Hyde, SK14 8PG                  | Dwelling      | Scheme     | 51.1  | 53.9    | 51.1    | 54.2    | 2.8         | 3.1       |

| Receptor  | Receptor type | Study area | Road traffic noise levels<br>( $L_{A10,18h}$ , dB) |         |         |         | Change (dB) |           |
|---|---------------|------------|--|---------|---------|---------|-------------|-----------|
|   |               |            | DM 2025  | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 86 Market Street, Hollingworth, Hyde, SK14 8JA              | Dwelling      | Scheme     | 52.5   | 52.7    | 52.4    | 52.7    | 0.2         | 0.2       |
| 48 Market Street, Hollingworth, Hyde, SK14 8LN              | Dwelling      | Scheme     | 69.0   | 70.4    | 68.9    | 70.4    | 1.4         | 1.4       |
| 163 Mottram Moor, Hollingworth, Hyde, SK14 8LZ              | Dwelling      | Scheme     | 51.9   | 51.7    | 51.9    | 51.8    | -0.2        | -0.1      |
| 54 Mottram Moor, Hollingworth, Hyde, SK14 8LZ               | Dwelling      | Scheme     | 77.4   | 77.2    | 77.3    | 77.0    | -0.2        | -0.4      |
| 155 Woolley Lane, Hollingworth, Hyde, SK14 8NN              | Dwelling      | Scheme     | 52.4   | 50.7    | 52.4    | 50.7    | -1.7        | -1.7      |
| 91 Woolley Lane, Hollingworth, Hyde, SK14 8NN               | Dwelling      | Scheme     | 53.2   | 51.9    | 53.2    | 52.3    | -1.3        | -0.9      |
| 3 Woolley Lane, Hollingworth, Hyde, SK14 8NW                | Dwelling      | Scheme     | 48.7   | 45.8    | 48.7    | 46.1    | -2.9        | -2.6      |
| 37 Woolley Lane, Hollingworth, Hyde, SK14 8NW               | Dwelling      | Scheme     | 49.0   | 45.7    | 49.1    | 46.0    | -3.3        | -3.0      |
| Tara Brook Farm, Woolley Lane, Hollingworth, Hyde, SK14 8NW | Dwelling      | Scheme     | 46.7   | 53.2    | 46.8    | 53.6    | 6.5         | 6.9       |
| Westwood Cottage, Mottram Road, Hyde, Hyde, SK14 3BT        | Dwelling      | Scheme     | 65.6   | 66.3    | 66.0    | 66.9    | 0.7         | 1.3       |
| 3 Ash Close, Mottram, Hyde, SK14 6PS                        | Dwelling      | Scheme     | 49.1   | 54.6    | 49.2    | 54.8    | 5.5         | 5.7       |
| 6 Back Moor, Mottram, Hyde, SK14 6LF                        | Dwelling      | Scheme     | 50.8   | 50.8    | 51.0    | 51.4    | 0.0         | 0.6       |
| 49 Broadbottom Road, Mottram, Hyde, SK14 6JB                | Dwelling      | Scheme     | 45.0   | 44.3    | 45.3    | 45.2    | -0.7        | 0.2       |
| 8 Broadbottom Road, Mottram, Hyde, SK14 6JB                 | Dwelling      | Scheme     | 58.5   | 58.9    | 58.7    | 59.5    | 0.4         | 1.0       |

| Receptor   | Receptor type | Study area | Road traffic noise levels<br>( $L_{A10,18h}$ , dB) |         |         |         | Change (dB) |           |
|--|---------------|------------|--|---------|---------|---------|-------------|-----------|
|  |               |            | DM 2025  | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 26 Colbourne Grove, Mottram, Hyde, SK14 3DY            | Dwelling      | Scheme     | 53.3   | 53.0    | 53.8    | 53.7    | -0.3        | 0.4       |
| 8 Edge Lane, Mottram, Hyde, SK14 6SE                   | Dwelling      | Scheme     | 47.4   | 54.3    | 47.6    | 54.6    | 6.9         | 7.2       |
| 30 Four Lanes, Mottram, Hyde, SK14 6PP                 | Dwelling      | Scheme     | 53.7   | 59.5    | 53.8    | 59.7    | 5.8         | 6.0       |
| 32 Four Lanes, Mottram, Hyde, SK14 6PP                 | Dwelling      | Scheme     | 49.4   | 58.2    | 49.5    | 58.4    | 8.8         | 9.0       |
| 34 Four Lanes, Mottram, Hyde, SK14 6PP                 | Dwelling      | Scheme     | 56.0   | 65.1    | 56.1    | 65.4    | 9.1         | 9.4       |
| 12 Hyde Road, Mottram, Hyde, SK14 6NG                  | Dwelling      | Scheme     | 50.0   | 48.1    | 50.1    | 48.4    | -1.9        | -1.6      |
| 4 Hyde Road, Mottram, Hyde, SK14 6NG                   | Dwelling      | Scheme     | 51.5   | 49.3    | 51.6    | 49.6    | -2.2        | -1.9      |
| 60 Hyde Road, Mottram, Hyde, SK14 6NG                  | Dwelling      | Scheme     | 50.4   | 53.4    | 50.6    | 53.6    | 3.0         | 3.2       |
| 7 Hyde Road, Mottram, Hyde, SK14 6NG                   | Dwelling      | Scheme     | 51.6   | 47.8    | 51.7    | 48.2    | -3.8        | -3.4      |
| 50 John Kennedy Road, Mottram, Hyde, SK14 6PH          | Dwelling      | Scheme     | 51.8   | 51.5    | 52.0    | 51.9    | -0.3        | 0.1       |
| 43 Lodge Court, Mottram, Hyde, SK14 6LY                | Dwelling      | Scheme     | 48.1   | 50.3    | 48.2    | 50.6    | 2.2         | 2.5       |
| 16 Longdale Drive, Mottram, Hyde, SK14 6NW             | Dwelling      | Scheme     | 47.9   | 46.5    | 48.0    | 47.3    | -1.4        | -0.6      |
| 6 Melyncourt Drive, Mottram, Hyde, SK14 3AS            | Dwelling      | Scheme     | 68.8   | 68.7    | 69.2    | 69.3    | -0.1        | 0.5       |
| Four Winds, 41A, Mottram Moor, Mottram, Hyde, SK14 6LA | Dwelling      | Scheme     | 73.3   | 71.7    | 73.5    | 72.5    | -1.6        | -0.8      |

| Receptor   | Receptor type | Study area | Road traffic noise levels<br>( $L_{A10,18h}$ , dB) |         |         |         | Change (dB) |           |
|--|---------------|------------|--|---------|---------|---------|-------------|-----------|
|  |               |            | DM 2025  | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 103 Mottram Moor, Mottram, Hyde, SK14 6LD                | Dwelling      | Scheme     | 56.1   | 55.0    | 56.1    | 55.1    | -1.1        | -1.0      |
| 47 Mottram Moor, Mottram, Hyde, SK14 6LD                 | Dwelling      | Scheme     | 56.3   | 58.1    | 56.5    | 58.5    | 1.8         | 2.2       |
| 75 Mottram Moor, Mottram, Hyde, SK14 6LD                 | Dwelling      | Scheme     | 62.8   | 63.5    | 62.8    | 63.7    | 0.7         | 0.9       |
| Mottram Old Hall, Old Hall Lane, Mottram, Hyde, SK14 6LT | Dwelling      | Scheme     | 47.6   | 50.0    | 47.6    | 50.3    | 2.4         | 2.7       |
| Flat 5, The Cottage, Old Road, Mottram,                  | Dwelling      | Scheme     | 49.2   | 55.9    | 49.3    | 56.2    | 6.7         | 7.0       |
| 1 Old Road, Mottram, Hyde, SK14 6LG                      | Dwelling      | Scheme     | 51.3   | 53.2    | 51.4    | 53.5    | 1.9         | 2.2       |
| 15C Old Road, Mottram, Hyde, SK14 6LG                    | Dwelling      | Scheme     | 53.0   | 59.0    | 53.1    | 59.3    | 6.0         | 6.3       |
| 21A Old Road, Mottram, Hyde, SK14 6LG                    | Dwelling      | Scheme     | 51.4   | 60.0    | 51.5    | 60.2    | 8.6         | 8.8       |
| 6 Old Road, Mottram, Hyde, SK14 6LG                      | Dwelling      | Scheme     | 47.4   | 49.2    | 47.5    | 49.5    | 1.8         | 2.1       |
| The Villa, 23, Old Road, Mottram, Hyde, SK14 6LG         | Dwelling      | Scheme     | 49.2   | 55.9    | 49.3    | 56.2    | 6.7         | 7.0       |
| 8 Rushycroft, Mottram, Hyde, SK14 6TD                    | Dwelling      | Scheme     | 47.3   | 52.3    | 47.4    | 52.6    | 5.0         | 5.3       |
| 3 Tollemache Close, Mottram, Hyde, SK14 6LN              | Dwelling      | Scheme     | 47.7   | 53.5    | 47.7    | 53.8    | 5.8         | 6.1       |
| 4 Tollemache Close, Mottram, Hyde, SK14 6LN              | Dwelling      | Scheme     | 43.9   | 50.2    | 44.0    | 50.4    | 6.3         | 6.5       |
| 21 Tollemache Road, Mottram, Hyde, SK14 6LL              | Dwelling      | Scheme     | 41.9   | 45.3    | 41.9    | 45.6    | 3.4         | 3.7       |

| Receptor   | Receptor type   | Study area | Road traffic noise levels<br>( $L_{A10,18h}$ , dB) |         |         |         | Change (dB) |           |
|--|-----------------|------------|--|---------|---------|---------|-------------|-----------|
|  |                 |            | DM 2025  | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 23 Tollemache Road, Mottram, Hyde, SK14 6LL        | Dwelling        | Scheme     | 44.2   | 46.5    | 44.3    | 46.8    | 2.3         | 2.6       |
| Upper Wood Cottage, Snake Road, Bamford,           | Dwelling        | Wider      | 49.3   | 50.8    | 50.4    | 51.7    | 1.5         | 2.4       |
| 64 Marple Road, Charlesworth, Glossop, SK13 5DA    | Dwelling        | Wider      | 46.3   | 45.0    | 47.1    | 45.9    | -1.3        | -0.4      |
| 22 Sherwood Fold, Charlesworth, Glossop, SK13 5HW  | Dwelling        | Wider      | 49.0   | 47.8    | 49.6    | 48.6    | -1.2        | -0.4      |
| 20 Manchester Road, Denton, M34 3LE                | Non-residential | Wider      | 54.4   | 54.7    | 54.6    | 55.0    | 0.3         | 0.6       |
| 61 Glossop Road, Glossop, Glossop, SK13 6JH        | Dwelling        | Wider      | 47.1   | 45.5    | 47.5    | 46.1    | -1.6        | -1.0      |
| 55 Sheffield Road, Glossop, Glossop, SK13 8QJ      | Dwelling        | Wider      | 67.5   | 69.2    | 68.8    | 70.1    | 1.7         | 2.6       |
| 189 Sheffield Road, Glossop, Glossop, SK13 8QX     | Dwelling        | Wider      | 67.6   | 69.3    | 68.9    | 70.2    | 1.7         | 2.6       |
| 3 Blue Bell Close, Hyde, Hyde, SK14 4HU            | Dwelling        | Wider      | 46.4   | 46.1    | 47.0    | 46.6    | -0.3        | 0.2       |
| 78 John Street, Hyde, Hyde, SK14 2HB               | Dwelling        | Wider      | 63.7   | 64.5    | 64.2    | 64.9    | 0.8         | 1.2       |
| 226 Victoria Street, Hyde, Hyde, SK14 4DT          | Dwelling        | Wider      | 48.4   | 49.0    | 48.8    | 49.4    | 0.6         | 1.0       |
| 22 Matley Lane, Stalybridge, Stalybridge, SK15 2TP | Dwelling        | Wider      | 48.3   | 48.0    | 48.5    | 48.3    | -0.3        | 0.0       |
| 90 Glossop Road, Stockport, Stockport, SK6 5EL     | Dwelling        | Wider      | 48.9   | 47.3    | 49.7    | 48.1    | -1.6        | -0.8      |
| Loads Cottage, Glossop Road,                       | Dwelling        | Wider      | 61.0   | 59.3    | 61.8    | 60.1    | -1.7        | -0.9      |



| Receptor  | Receptor type | Study area | Road traffic noise levels<br>( $L_{A10,18h}$ , dB) |         |         |         | Change (dB) |           |
|---|---------------|------------|--|---------|---------|---------|-------------|-----------|
|   |               |            | DM 2025  | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| Stockport, Stockport, SK6 5NX                         |               |            |  |         |         |         |             |           |
| Fernilea, Glossop Road, Stockport, Stockport, SK6 5RX | Dwelling      | Wider      | 46.1   | 44.4    | 46.9    | 45.2    | -1.7        | -0.9      |
| 107 Manchester Road, Tintwistle, Glossop, SK13 1LJ    | Dwelling      | Wider      | 75.1   | 75.2    | 74.9    | 75.1    | 0.1         | 0.0       |

### 11.3 Predicted night-time road traffic noise levels

11.3.1 Table 11.3.1 below shows the predicted night-time ( $L_{night}$ ) road traffic noise levels at the representative selection of residential and non-residential sensitive receptors in the study area. Please note that the noise levels are reported for 69 of the 70 noise sensitive receptors as one of them is not sensitive at night.

**Table 11.3.1: Predicted night-time road traffic noise levels at selected locations**

| Receptor  | Receptor Type | Area   | Road traffic noise levels<br>( $L_{night}$ , dB) |         |         |         | Change (dB) |           |
|---|---------------|--------|--|---------|---------|---------|-------------|-----------|
|   |               |        | DM 2025  | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 12 Alport Way, Glossop, Glossop, SK13 0LP       | Dwelling      | Scheme | 42.1   | 43.0    | 42.1    | 43.4    | 0.9         | 1.3       |
| 134 Brookfield, Glossop, Glossop, SK13 6JE      | Dwelling      | Scheme | 50.8   | 52.1    | 50.8    | 52.5    | 1.3         | 1.7       |
| 13 Lower Barn Road, Glossop, Glossop, SK13 2DZ  | Dwelling      | Scheme | 38.2   | 39.3    | 38.3    | 39.6    | 1.1         | 1.4       |
| 48 Lower Barn Road, Glossop, Glossop, SK13 2DZ  | Dwelling      | Scheme | 38.9   | 40.4    | 38.9    | 40.7    | 1.5         | 1.8       |
| 7 Springfield Close, Glossop, Glossop, SK13 2EF | Dwelling      | Scheme | 40.8   | 43.3    | 40.8    | 43.7    | 2.5         | 2.9       |
| 16 Tavern Road, Glossop, Glossop, SK13 2RB      | Dwelling      | Scheme | 39.3   | 41.3    | 39.3    | 41.7    | 2.0         | 2.4       |

Appendix 11.4: Predicted Road Traffic Noise Levels at Selected Representative Locations

| Receptor  | Receptor Type | Area   | Road traffic noise levels (L <sub>night</sub> , dB) |         |         |         | Change (dB) |           |
|---|---------------|--------|---|---------|---------|---------|-------------|-----------|
|   |               |        | DM 2025   | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 18 Woolley Bridge, Glossop, Glossop, SK13 2NX                 | Dwelling      | Scheme | 55.5  | 58.2    | 55.5    | 58.5    | 2.7         | 3.0       |
| 54 Woolley Bridge, Glossop, Glossop, SK13 2NX                 | Dwelling      | Scheme | 51.7  | 54.6    | 51.7    | 54.8    | 2.9         | 3.1       |
| 72 Woolley Bridge, Glossop, Glossop, SK13 2NX                 | Dwelling      | Scheme | 62.2  | 60.2    | 62.2    | 60.6    | -2.0        | -1.6      |
| Meadow View, Carrhouse Lane, Hollingworth, Hyde, SK14 8NA     | Dwelling      | Scheme | 41.2  | 44.8    | 41.2    | 45.2    | 3.6         | 4.0       |
| Robin Hood Farm, Carrhouse Lane, Hollingworth, Hyde, SK14 8NA | Dwelling      | Scheme | 37.2  | 45.3    | 37.3    | 45.6    | 8.1         | 8.4       |
| 31 Church Road, Hollingworth, Hyde, SK14 8PG                  | Dwelling      | Scheme | 42.2  | 44.7    | 42.2    | 45.0    | 2.5         | 2.8       |
| 86 Market Street, Hollingworth, Hyde, SK14 8JA                | Dwelling      | Scheme | 43.5  | 43.7    | 43.4    | 43.7    | 0.2         | 0.2       |
| 48 Market Street, Hollingworth, Hyde, SK14 8LN                | Dwelling      | Scheme | 58.3  | 59.6    | 58.2    | 59.6    | 1.3         | 1.3       |
| 163 Mottram Moor, Hollingworth, Hyde, SK14 8LZ                | Dwelling      | Scheme | 43.0  | 42.8    | 43.0    | 42.9    | -0.2        | -0.1      |
| 54 Mottram Moor, Hollingworth, Hyde, SK14 8LZ                 | Dwelling      | Scheme | 65.9  | 65.7    | 65.8    | 65.5    | -0.2        | -0.4      |
| 155 Woolley Lane, Hollingworth, Hyde, SK14 8NN                | Dwelling      | Scheme | 43.4  | 41.9    | 43.4    | 41.9    | -1.5        | -1.5      |
| 91 Woolley Lane, Hollingworth, Hyde, SK14 8NN                 | Dwelling      | Scheme | 44.1  | 42.9    | 44.1    | 43.3    | -1.2        | -0.8      |
| 3 Woolley Lane, Hollingworth, Hyde, SK14 8NW                  | Dwelling      | Scheme | 40.1  | 37.4    | 40.1    | 37.7    | -2.7        | -2.4      |
| 37 Woolley Lane, Hollingworth, Hyde, SK14 8NW                 | Dwelling      | Scheme | 40.3  | 37.4    | 40.4    | 37.6    | -2.9        | -2.7      |

Appendix 11.4: Predicted Road Traffic Noise Levels at Selected Representative Locations

| Receptor  | Receptor Type | Area   | Road traffic noise levels (L <sub>night</sub> , dB) |         |         |         | Change (dB) |           |
|---|---------------|--------|---|---------|---------|---------|-------------|-----------|
|   |               |        | DM 2025   | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| Tara Brook Farm, Woolley Lane, Hollingworth, Hyde, SK14 8NW | Dwelling      | Scheme | 38.3  | 44.1    | 38.3    | 44.5    | 5.8         | 6.2       |
| Westwood Cottage, Mottram Road, Hyde, Hyde, SK14 3BT        | Dwelling      | Scheme | 61.3  | 61.9    | 61.6    | 62.4    | 0.6         | 1.1       |
| 3 Ash Close, Mottram, Hyde, SK14 6PS                        | Dwelling      | Scheme | 42.8  | 46.1    | 42.9    | 46.3    | 3.3         | 3.5       |
| 6 Back Moor, Mottram, Hyde, SK14 6LF                        | Dwelling      | Scheme | 42.0  | 42.1    | 42.2    | 42.6    | 0.1         | 0.6       |
| 49 Broadbottom Road, Mottram, Hyde, SK14 6JB                | Dwelling      | Scheme | 36.7  | 36.1    | 37.0    | 36.9    | -0.6        | 0.2       |
| 8 Broadbottom Road, Mottram, Hyde, SK14 6JB                 | Dwelling      | Scheme | 48.9  | 49.2    | 49.1    | 49.8    | 0.3         | 0.9       |
| 26 Colbourne Grove, Mottram, Hyde, SK14 3DY                 | Dwelling      | Scheme | 46.9  | 46.7    | 47.3    | 47.3    | -0.2        | 0.4       |
| 8 Edge Lane, Mottram, Hyde, SK14 6SE                        | Dwelling      | Scheme | 40.8  | 45.7    | 41.0    | 46.0    | 4.9         | 5.2       |
| 30 Four Lanes, Mottram, Hyde, SK14 6PP                      | Dwelling      | Scheme | 45.4  | 50.1    | 45.5    | 50.3    | 4.7         | 4.9       |
| 32 Four Lanes, Mottram, Hyde, SK14 6PP                      | Dwelling      | Scheme | 42.4  | 48.9    | 42.6    | 49.1    | 6.5         | 6.7       |
| 34 Four Lanes, Mottram, Hyde, SK14 6PP                      | Dwelling      | Scheme | 46.9  | 54.9    | 47.0    | 55.1    | 8.0         | 8.2       |
| 12 Hyde Road, Mottram, Hyde, SK14 6NG                       | Dwelling      | Scheme | 41.4  | 39.7    | 41.5    | 40.0    | -1.7        | -1.4      |
| 4 Hyde Road, Mottram, Hyde, SK14 6NG                        | Dwelling      | Scheme | 42.7  | 40.9    | 42.8    | 41.1    | -1.8        | -1.6      |
| 60 Hyde Road, Mottram, Hyde, SK14 6NG                       | Dwelling      | Scheme | 42.4  | 44.6    | 42.6    | 44.8    | 2.2         | 2.4       |
| 7 Hyde Road, Mottram, Hyde, SK14 6NG                        | Dwelling      | Scheme | 42.7  | 39.4    | 42.8    | 39.8    | -3.3        | -2.9      |
| 50 John Kennedy Road, Mottram, Hyde, SK14 6PH               | Dwelling      | Scheme | 45.0  | 45.0    | 45.2    | 45.3    | 0.0         | 0.3       |
| 43 Lodge Court, Mottram, Hyde, SK14 6LY                     | Dwelling      | Scheme | 40.0  | 41.9    | 40.1    | 42.1    | 1.9         | 2.1       |

Appendix 11.4: Predicted Road Traffic Noise Levels at Selected Representative Locations

| Receptor   | Receptor Type | Area   | Road traffic noise levels (L <sub>night</sub> , dB) |         |         |         | Change (dB) |           |
|--|---------------|--------|---|---------|---------|---------|-------------|-----------|
|  |               |        | DM 2025   | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 16 Longdale Drive, Mottram, Hyde, SK14 6NW               | Dwelling      | Scheme | 39.3  | 38.1    | 39.4    | 38.8    | -1.2        | -0.5      |
| 6 Melyncourt Drive, Mottram, Hyde, SK14 3AS              | Dwelling      | Scheme | 64.0  | 62.5    | 64.4    | 62.9    | -1.5        | -1.1      |
| Four Winds, 41A, Mottram Moor, Mottram, Hyde, SK14 6LA   | Dwelling      | Scheme | 62.2  | 60.8    | 62.4    | 61.5    | -1.4        | -0.7      |
| 103 Mottram Moor, Mottram, Hyde, SK14 6LD                | Dwelling      | Scheme | 46.7  | 45.7    | 46.7    | 45.8    | -1.0        | -0.9      |
| 47 Mottram Moor, Mottram, Hyde, SK14 6LD                 | Dwelling      | Scheme | 46.9  | 48.5    | 47.1    | 48.9    | 1.6         | 2.0       |
| 75 Mottram Moor, Mottram, Hyde, SK14 6LD                 | Dwelling      | Scheme | 52.8  | 53.4    | 52.8    | 53.6    | 0.6         | 0.8       |
| Mottram Old Hall, Old Hall Lane, Mottram, Hyde, SK14 6LT | Dwelling      | Scheme | 39.7  | 41.6    | 39.7    | 41.9    | 1.9         | 2.2       |
| Flat 5, The Cottage, Old Road, Mottram,                  | Dwelling      | Scheme | 41.2  | 46.9    | 41.4    | 47.2    | 5.7         | 6.0       |
| 1 Old Road, Mottram, Hyde, SK14 6LG                      | Dwelling      | Scheme | 42.7  | 44.4    | 42.8    | 44.7    | 1.7         | 2.0       |
| 15C Old Road, Mottram, Hyde, SK14 6LG                    | Dwelling      | Scheme | 44.2  | 49.4    | 44.3    | 49.7    | 5.2         | 5.5       |
| 21A Old Road, Mottram, Hyde, SK14 6LG                    | Dwelling      | Scheme | 43.1  | 50.4    | 43.2    | 50.6    | 7.3         | 7.5       |
| 6 Old Road, Mottram, Hyde, SK14 6LG                      | Dwelling      | Scheme | 39.3  | 40.8    | 39.4    | 41.1    | 1.5         | 1.8       |
| The Villa, 23, Old Road, Mottram, Hyde, SK14 6LG         | Dwelling      | Scheme | 41.2  | 46.9    | 41.4    | 47.2    | 5.7         | 6.0       |
| 8 Rushycroft, Mottram, Hyde, SK14 6TD                    | Dwelling      | Scheme | 40.1  | 43.6    | 40.3    | 43.9    | 3.5         | 3.8       |
| 3 Tollemache Close, Mottram, Hyde, SK14 6LN              | Dwelling      | Scheme | 39.6  | 44.5    | 39.7    | 44.8    | 4.9         | 5.2       |

| Receptor   | Receptor Type | Area   | Road traffic noise levels (L <sub>night</sub> , dB) |         |         |         | Change (dB) |           |
|--|---------------|--------|---|---------|---------|---------|-------------|-----------|
|  |               |        | DM 2025   | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| 4 Tollemache Close, Mottram, Hyde, SK14 6LN                | Dwelling      | Scheme | 36.5  | 41.6    | 36.7    | 41.8    | 5.1         | 5.3       |
| 21 Tollemache Road, Mottram, Hyde, SK14 6LL                | Dwelling      | Scheme | 35.1  | 37.7    | 35.2    | 38.0    | 2.6         | 2.9       |
| 23 Tollemache Road, Mottram, Hyde, SK14 6LL                | Dwelling      | Scheme | 36.8  | 38.6    | 36.9    | 38.9    | 1.8         | 2.1       |
| Upper Wood Cottage, Snake Road, Bamford,                   | Dwelling      | Wider  | 40.6  | 41.9    | 41.6    | 42.8    | 1.3         | 2.2       |
| 64 Marple Road, Charlesworth, Glossop, SK13 5DA            | Dwelling      | Wider  | 37.9  | 36.7    | 38.6    | 37.5    | -1.2        | -0.4      |
| 22 Sherwood Fold, Charlesworth, Glossop, SK13 5HW          | Dwelling      | Wider  | 40.3  | 39.3    | 40.9    | 40.0    | -1.0        | -0.3      |
| 61 Glossop Road, Glossop, Glossop, SK13 6JH                | Dwelling      | Wider  | 38.6  | 37.2    | 39.0    | 37.7    | -1.4        | -0.9      |
| 55 Sheffield Road, Glossop, Glossop, SK13 8QJ              | Dwelling      | Wider  | 57.0  | 58.5    | 58.2    | 59.3    | 1.5         | 2.3       |
| 189 Sheffield Road, Glossop, Glossop, SK13 8QX             | Dwelling      | Wider  | 57.1  | 58.6    | 58.2    | 59.4    | 1.5         | 2.3       |
| 3 Blue Bell Close, Hyde, Hyde, SK14 4HU                    | Dwelling      | Wider  | 42.4  | 42.6    | 42.7    | 43.0    | 0.2         | 0.6       |
| 78 John Street, Hyde, Hyde, SK14 2HB                       | Dwelling      | Wider  | 59.3  | 60.0    | 59.7    | 60.4    | 0.7         | 1.1       |
| 226 Victoria Street, Hyde, Hyde, SK14 4DT                  | Dwelling      | Wider  | 46.0  | 46.7    | 46.4    | 47.0    | 0.7         | 1.0       |
| 22 Matley Lane, Stalybridge, Stalybridge, SK15 2TP         | Dwelling      | Wider  | 40.6  | 40.4    | 40.7    | 40.7    | -0.2        | 0.1       |
| 90 Glossop Road, Stockport, Stockport, SK6 5EL             | Dwelling      | Wider  | 40.2  | 38.8    | 41.0    | 39.5    | -1.4        | -0.7      |
| Loads Cottage, Glossop Road, Stockport, Stockport, SK6 5NX | Dwelling      | Wider  | 51.1  | 49.6    | 51.8    | 50.3    | -1.5        | -0.8      |

| Receptor  | Receptor Type | Area  | Road traffic noise levels (L <sub>night</sub> , dB) |         |         |         | Change (dB) |           |
|---|---------------|-------|---|---------|---------|---------|-------------|-----------|
|   |               |       | DM 2025   | DS 2025 | DM 2040 | DS 2040 | Short-term  | Long-term |
| Fernilea, Glossop Road, Stockport, Stockport, SK6 5RX | Dwelling      | Wider | 37.7  | 36.2    | 38.4    | 36.9    | -1.5        | -0.8      |
| 107 Manchester Road, Tintwistle, Glossop, SK13 1LJ    | Dwelling      | Wider | 63.8  | 63.9    | 63.6    | 63.8    | 0.1         | 0.0       |

## 11.4 List of properties potentially qualifying for noise insulation

11.4.1 No formal offers of noise insulation can be made until after the completion of the statutory processes and the finalisation of the detailed engineering design of the scheme.

11.4.2 The outcomes of the road traffic noise modelling indicate that there are nine dwellings that may be eligible for an offer of noise insulation. This is because their predicted noise levels exceed 68 dB L<sub>A10,18h</sub> and increase by at least 1 dB due to the Scheme. The dwellings that may be eligible are:

- Grange Farm, Harrop Edge Road, Mottram, Hyde, SK14 6SJ
- 8 Woolley Bridge, Glossop, SK13 2NX
- 12 Woolley Bridge, Glossop, SK13 2NX
- 14 Woolley Bridge, Glossop, SK13 2NX
- 16 Woolley Bridge, Glossop, SK13 2NX
- 18 Woolley Bridge, Glossop, SK13 2NX
- 54 Woolley Bridge, Glossop, SK13 2NX
- Hillside, Woolley Bridge, Glossop, SK13 2NX
- Spring Tavern, Woolley Bridge, Glossop, SK13 2NX

11.4.3 If any or all of the above dwellings are shown to be eligible in the later design stages, further assessment will be required to determine whether qualifying facades contain rooms with windows or doors where noise insulation would be applicable.

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