

A15.3: Predicted Operational Noise Levels and Operational Traffic Data

1 Introduction

- 1.1.1 This appendix provides information to support the assessment of operational noise in Chapter 15 of the ES.
- 1.1.2 Section 2 on the following page provides predicted façade noise levels in Table 1. This includes all sensitive receptors considered in the HD 213/11 – Revision 1 ‘Calculation Area’.
- 1.1.3 Section 3 (page 22 onwards) presents the traffic data used in the operational noise assessment. Table 2 provides traffic data for the Do-Minimum scenario (i.e. without the proposed scheme) and Table 3 provides the traffic data for the Do-Something scenario (i.e. with the proposed scheme).

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Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

2 Predicted Operational Noise at Receptors

Table 1: Predicted Operational Noise Levels

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| A9 (Anvil Cottage), Bankfoot | 69.3 | 66.1 | 67.6 | 68.4 | 56.4 | 53.5 | 54.8 | 55.5 |
| A9 (Barn House), Bankfoot | 68.6 | 65.4 | 66.8 | 67.6 | 55.7 | 52.8 | 54.1 | 54.8 |
| A9 (Beach Lea House), Stanley | 56.9 | 54.4 | 55.1 | 55.9 | 45.2 | 42.9 | 43.6 | 44.3 |
| A9 (Bellfield), Bankfoot | 70.4 | 67.2 | 67.0 | 67.9 | 57.3 | 54.5 | 54.3 | 55.1 |
| A9 (Holm Cottage), Bankfoot | 71.7 | 68.5 | 69.3 | 70.1 | 58.5 | 55.6 | 56.4 | 57.1 |
| A9 (Loak), Bankfoot | 53.8 | 50.6 | 51.4 | 52.2 | 42.4 | 39.5 | 40.2 | 41.0 |
| A9 (Loakmill Farm), Bankfoot | 62.4 | 59.3 | 61.1 | 62.0 | 50.1 | 47.4 | 49.0 | 49.8 |
| A9 (Loakmill Steading), Bankfoot | 61.2 | 58.1 | 59.1 | 60.0 | 49.1 | 46.3 | 47.2 | 48.0 |
| A9 (Marlehall Farm Cottage), Luncarty | 58.5 | 55.8 | 56.4 | 57.2 | 46.6 | 44.2 | 44.7 | 45.5 |
| A9 (Newmill), Stanley | 66.5 | 66.2 | 67.0 | 67.8 | 53.8 | 53.6 | 54.3 | 55.0 |
| A9 (Northleys), Luncarty | 53.1 | 53.1 | 52.1 | 52.9 | 41.8 | 41.8 | 40.9 | 41.6 |
| A9 (Rosevale House), Stanley | 56.7 | 54.4 | 54.8 | 55.6 | 45.0 | 42.9 | 43.3 | 44.0 |
| A9 (Westwood), Bankfoot | 64.9 | 61.7 | 62.6 | 63.4 | 52.4 | 49.5 | 50.3 | 51.0 |
| B8063 (Cross Road Cottage), Luncarty | 53.2 | 51.1 | 53.3 | 51.5 | 41.9 | 40.0 | 42.0 | 40.3 |
| B8063 (Kirkhill House), Luncarty | 65.7 | 64.6 | 66.3 | 65.6 | 53.1 | 52.1 | 53.7 | 53.0 |
| B8063 (Lismore), Luncarty | 59.1 | 57.4 | 59.1 | 57.6 | 47.2 | 45.6 | 47.2 | 45.8 |
| B8063 (Windyridge), Luncarty | 60.2 | 58.4 | 60.2 | 58.7 | 48.2 | 46.5 | 48.2 | 46.8 |
| B9099 (Aspen), Luncarty | 48.9 | 49.1 | 49.8 | 50.6 | 38.0 | 38.2 | 38.8 | 39.5 |
| B9099 (Barnton), Luncarty | 47.0 | 47.1 | 47.8 | 48.5 | 36.3 | 36.4 | 37.0 | 37.6 |
| B9099 (Brownlands Park Bungalow), Luncarty | 57.3 | 57.5 | 57.9 | 58.6 | 45.6 | 45.7 | 46.1 | 46.7 |
| B9099 (Cherry Cottage), Luncarty | 46.9 | 47.1 | 47.8 | 48.4 | 36.2 | 36.4 | 37.0 | 37.5 |
| B9099 (Downhill Cottage), Luncarty | 47.0 | 47.1 | 47.8 | 48.5 | 36.3 | 36.4 | 37.0 | 37.6 |
| B9099 (Elisdon), Luncarty | 50.7 | 50.8 | 51.2 | 52.0 | 39.6 | 39.7 | 40.1 | 40.8 |
| B9099 (Meveroc), Luncarty | 46.9 | 47.0 | 47.7 | 48.3 | 36.2 | 36.3 | 36.9 | 37.5 |
| B9099 (Milton Cottage), Luncarty | 49.0 | 49.2 | 50.0 | 50.7 | 38.1 | 38.3 | 39.0 | 39.6 |
| B9099 (Milton), Luncarty | 46.9 | 47.0 | 47.7 | 48.3 | 36.2 | 36.3 | 36.9 | 37.5 |
| B9099 (Pebble Mill), Luncarty | 46.7 | 46.9 | 47.6 | 48.3 | 36.0 | 36.2 | 36.8 | 37.5 |
| B9099 (Rose Cottage), Luncarty | 46.3 | 46.3 | 46.9 | 47.5 | 35.7 | 35.7 | 36.2 | 36.7 |
| B9099 (Shochie), Luncarty | 48.3 | 48.5 | 49.3 | 50.0 | 37.5 | 37.6 | 38.4 | 39.0 |
| B9099 (The Arns), Luncarty | 48.7 | 49.0 | 49.7 | 50.5 | 37.8 | 38.1 | 38.7 | 39.4 |
| B9099 (The Holdings 01), Luncarty | 52.0 | 52.2 | 52.7 | 53.5 | 40.8 | 41.0 | 41.4 | 42.1 |
| B9099 (The Holdings 01a), Luncarty | 55.0 | 55.0 | 55.4 | 56.2 | 43.5 | 43.5 | 43.8 | 44.6 |
| B9099 (The Holdings 02), Luncarty | 52.7 | 52.9 | 53.3 | 54.1 | 41.4 | 41.6 | 42.0 | 42.7 |
| B9099 (The Holdings 02a), Luncarty | 52.6 | 52.8 | 53.2 | 53.9 | 41.3 | 41.5 | 41.9 | 42.5 |
| B9099 (The Holdings 03), Luncarty | 54.1 | 54.3 | 54.8 | 55.5 | 42.7 | 42.9 | 43.3 | 43.9 |
| B9099 (The Holdings 04), Luncarty | 54.9 | 55.0 | 55.4 | 56.2 | 43.4 | 43.5 | 43.8 | 44.6 |
| B9099 (The Holdings 05), Luncarty | 48.7 | 48.9 | 49.6 | 50.2 | 37.8 | 38.0 | 38.6 | 39.2 |
| B9099 (Trinity Cottages 01), Luncarty | 50.6 | 50.8 | 51.3 | 52.0 | 39.5 | 39.7 | 40.2 | 40.8 |
| B9099 (Trinity Cottages 02), Luncarty | 49.8 | 50.0 | 50.4 | 50.9 | 38.8 | 39.0 | 39.3 | 39.8 |
| B9099 (Trinity Cottages 03), Luncarty | 49.5 | 49.6 | 50.0 | 50.5 | 38.5 | 38.6 | 39.0 | 39.4 |
| B9099 (Trinity Cottages 04), Luncarty | 48.9 | 48.9 | 49.4 | 49.9 | 38.0 | 38.0 | 38.4 | 38.9 |
| B9099 (Trinity Cottages 05-08), Luncarty | 47.4 | 47.4 | 48.0 | 48.4 | 36.6 | 36.6 | 37.2 | 37.5 |
| B9099 (Trinity Cottages 11-14), Luncarty | 52.1 | 52.3 | 53.0 | 53.7 | 40.9 | 41.1 | 41.7 | 42.3 |
| B9099 (Trinity Cottages 15-16), Luncarty | 51.9 | 52.1 | 52.7 | 53.4 | 40.7 | 40.9 | 41.4 | 42.0 |
| B9099 (West Benchil), Luncarty | 46.5 | 46.3 | 46.9 | 47.5 | 35.8 | 35.7 | 36.2 | 36.7 |
| B9099 Main Road (01), Luncarty | 54.5 | 53.5 | 54.8 | 54.1 | 43.0 | 42.1 | 43.3 | 42.7 |
| B9099 Main Road (02), Luncarty | 54.8 | 53.7 | 55.0 | 54.2 | 43.3 | 42.3 | 43.5 | 42.8 |
| B9099 Main Road (03), Luncarty | 54.8 | 53.5 | 55.0 | 54.1 | 43.3 | 42.1 | 43.5 | 42.7 |
| B9099 Main Road (04), Luncarty | 55.3 | 53.9 | 55.5 | 54.4 | 43.8 | 42.5 | 43.9 | 42.9 |
| B9099 Main Road (05), Luncarty | 57.4 | 55.7 | 57.6 | 56.3 | 45.6 | 44.1 | 45.8 | 44.7 |
| B9099 Main Road (06), Luncarty | 57.7 | 55.9 | 57.9 | 56.5 | 45.9 | 44.3 | 46.1 | 44.8 |

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Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| B9099 Main Road (07), Luncarty | 58.1 | 56.1 | 58.4 | 56.9 | 46.3 | 44.5 | 46.5 | 45.2 |
| B9099 Main Road (08), Luncarty | 57.8 | 55.6 | 58.0 | 56.1 | 46.0 | 44.0 | 46.2 | 44.5 |
| B9099 Main Road (09), Luncarty | 62.7 | 60.6 | 62.9 | 61.2 | 50.4 | 48.5 | 50.6 | 49.1 |
| B9099 Main Road (Dalbruach), Luncarty | 54.0 | 53.9 | 54.5 | 54.8 | 42.6 | 42.5 | 43.0 | 43.3 |
| B9099 Main Road (Glen Helenbank), Luncarty | 56.0 | 55.9 | 56.4 | 56.8 | 44.4 | 44.3 | 44.7 | 45.1 |
| B9099 Main Road (Glengaur), Luncarty | 53.9 | 53.9 | 54.2 | 54.6 | 42.5 | 42.5 | 42.8 | 43.1 |
| B9099 Main Road (Highfield), Luncarty | 55.5 | 55.5 | 55.9 | 56.4 | 43.9 | 43.9 | 44.3 | 44.7 |
| B9099 Main Road (Howe Cottage), Luncarty | 54.5 | 54.6 | 54.9 | 55.5 | 43.0 | 43.1 | 43.4 | 43.9 |
| B9099 Main Road (Station House 01), Luncarty | 57.2 | 56.7 | 57.4 | 57.1 | 45.5 | 45.0 | 45.6 | 45.4 |
| B9099 Main Road (Station House 02), Luncarty | 64.9 | 65.2 | 64.9 | 65.2 | 52.4 | 52.7 | 52.4 | 52.7 |
| B9099 Main Road (Tigh-na-Reilichear), Luncarty | 54.7 | 53.8 | 54.9 | 54.4 | 43.2 | 42.4 | 43.4 | 42.9 |
| B9099 Slip Road (Glenordie), Luncarty | 57.4 | 57.7 | 52.6 | 53.3 | 45.6 | 45.9 | 41.3 | 42.0 |
| B9099 Slip Road (Minordie), Luncarty | 54.0 | 54.2 | 52.3 | 53.1 | 42.6 | 42.8 | 41.1 | 41.8 |
| B9099 Slip Road (Ordie Cottage), Luncarty | 58.2 | 58.4 | 56.0 | 56.7 | 46.4 | 46.5 | 44.4 | 45.0 |
| B9099 Slip Road (Ordie House), Luncarty | 57.2 | 57.4 | 54.7 | 55.5 | 45.5 | 45.6 | 43.2 | 43.9 |
| B9099 Slip Road (Ordie View), Luncarty | 66.0 | 66.3 | 65.8 | 66.5 | 53.4 | 53.7 | 53.2 | 53.8 |
| B9099 Slip Road (Unknown Property), Luncarty | 58.5 | 58.5 | 57.4 | 58.1 | 46.6 | 46.6 | 45.6 | 46.3 |
| Broompark Road (01), Bankfoot | 46.8 | 43.9 | 44.3 | 45.1 | 36.1 | 33.5 | 33.9 | 34.6 |
| Broompark Road (02), Bankfoot | 50.6 | 47.6 | 48.4 | 49.3 | 39.5 | 36.8 | 37.5 | 38.4 |
| Broompark Road (03), Bankfoot | 52.7 | 49.6 | 50.4 | 51.3 | 41.4 | 38.6 | 39.3 | 40.2 |
| Broompark Road (04), Bankfoot | 54.3 | 51.2 | 51.8 | 52.7 | 42.9 | 40.1 | 40.6 | 41.4 |
| Broompark Road (Cairneyhill Cottage), Bankfoot | 50.8 | 47.7 | 47.5 | 48.4 | 39.7 | 36.9 | 36.7 | 37.5 |
| Broompark Road (Cairnleith), Bankfoot | 50.4 | 47.3 | 47.7 | 48.6 | 39.3 | 36.6 | 36.9 | 37.7 |
| Cairneyhill Road (Alive), Bankfoot | 47.6 | 44.6 | 45.1 | 46.0 | 36.8 | 34.1 | 34.6 | 35.4 |
| Cairneyhill Road (Ard Callaid), Bankfoot | 49.4 | 46.2 | 46.4 | 47.3 | 38.4 | 35.6 | 35.7 | 36.6 |
| Cairneyhill Road (Ben Vorlich), Bankfoot | 51.2 | 48.1 | 48.2 | 49.1 | 40.1 | 37.3 | 37.4 | 38.2 |
| Cairneyhill Road (Brae Cottage), Bankfoot | 48.8 | 45.7 | 46.8 | 47.7 | 37.9 | 35.1 | 36.1 | 36.9 |
| Cairneyhill Road (Braemount), Bankfoot | 52.4 | 49.3 | 49.5 | 50.4 | 41.1 | 38.4 | 38.5 | 39.3 |
| Cairneyhill Road (Bruar), Bankfoot | 50.4 | 47.3 | 47.5 | 48.4 | 39.3 | 36.6 | 36.7 | 37.5 |
| Cairneyhill Road (Cairneyhill House), Bankfoot | 48.1 | 45.0 | 45.3 | 46.2 | 37.3 | 34.5 | 34.8 | 35.6 |
| Cairneyhill Road (Cairniehill Cottages 01), Bankfoot | 47.0 | 43.9 | 44.4 | 45.3 | 36.3 | 33.5 | 33.9 | 34.8 |
| Cairneyhill Road (Cairniehill Cottages 02), Bankfoot | 47.7 | 44.6 | 45.1 | 46.0 | 36.9 | 34.1 | 34.6 | 35.4 |
| Cairneyhill Road (Coltrannie), Bankfoot | 50.9 | 47.8 | 48.1 | 49.1 | 39.8 | 37.0 | 37.3 | 38.2 |
| Cairneyhill Road (Coral House), Bankfoot | 52.5 | 49.3 | 50.5 | 51.3 | 41.2 | 38.4 | 39.4 | 40.2 |
| Cairneyhill Road (Dalboyne), Bankfoot | 50.4 | 47.2 | 47.5 | 48.4 | 39.3 | 36.5 | 36.7 | 37.5 |
| Cairneyhill Road (Delynew), Bankfoot | 49.1 | 46.0 | 48.3 | 49.1 | 38.2 | 35.4 | 37.5 | 38.2 |
| Cairneyhill Road (Delvineside), Bankfoot | 49.6 | 46.5 | 46.8 | 47.7 | 38.6 | 35.8 | 36.1 | 36.9 |
| Cairneyhill Road (Fernbank), Bankfoot | 51.1 | 48.0 | 48.2 | 49.1 | 40.0 | 37.2 | 37.4 | 38.2 |
| Cairneyhill Road (Fourwinds), Bankfoot | 51.0 | 47.9 | 48.2 | 49.1 | 39.9 | 37.1 | 37.4 | 38.2 |
| Cairneyhill Road (Gigha), Bankfoot | 48.1 | 45.0 | 45.3 | 46.2 | 37.3 | 34.5 | 34.8 | 35.6 |
| Cairneyhill Road (Grianach), Bankfoot | 49.8 | 46.6 | 46.9 | 47.8 | 38.8 | 35.9 | 36.2 | 37.0 |
| Cairneyhill Road (Highbury), Bankfoot | 51.6 | 48.5 | 48.9 | 49.8 | 40.4 | 37.6 | 38.0 | 38.8 |
| Cairneyhill Road (Hillcrest), Bankfoot | 52.2 | 49.1 | 50.1 | 51.0 | 41.0 | 38.2 | 39.1 | 39.9 |
| Cairneyhill Road (Hillview), Bankfoot | 53.3 | 50.1 | 51.2 | 52.1 | 42.0 | 39.1 | 40.1 | 40.9 |
| Cairneyhill Road (Laurel Bank), Bankfoot | 49.5 | 46.4 | 46.3 | 47.1 | 38.5 | 35.7 | 35.7 | 36.4 |
| Cairneyhill Road (Mansefield), Bankfoot | 50.2 | 47.1 | 47.2 | 48.1 | 39.2 | 36.4 | 36.5 | 37.3 |
| Cairneyhill Road (Nairne House), Bankfoot | 51.3 | 48.2 | 49.1 | 49.9 | 40.2 | 37.4 | 38.2 | 38.9 |
| Cairneyhill Road (Nairne Villa), Bankfoot | 48.3 | 45.2 | 45.5 | 46.4 | 37.5 | 34.7 | 34.9 | 35.7 |
| Cairneyhill Road (Northbank), Bankfoot | 51.5 | 48.4 | 49.8 | 50.7 | 40.3 | 37.5 | 38.8 | 39.6 |
| Cairneyhill Road (Oleander), Bankfoot | 50.4 | 47.2 | 47.5 | 48.4 | 39.3 | 36.5 | 36.7 | 37.5 |
| Cairneyhill Road (Rosslyn), Bankfoot | 47.7 | 44.6 | 44.7 | 45.5 | 36.9 | 34.1 | 34.2 | 34.9 |
| Cairneyhill Road (Rowanlea), Bankfoot | 54.5 | 51.4 | 52.2 | 53.1 | 43.0 | 40.2 | 41.0 | 41.8 |
| Cairneyhill Road (Spring Bank), Bankfoot | 52.2 | 49.1 | 49.9 | 50.8 | 41.0 | 38.2 | 38.9 | 39.7 |
| Cairneyhill Road (The Orchard), Bankfoot | 48.5 | 45.3 | 45.8 | 46.7 | 37.6 | 34.8 | 35.2 | 36.0 |
| Cairneyhill Road (Tigh-na-Gleann), Bankfoot | 49.1 | 46.0 | 46.0 | 46.9 | 38.2 | 35.4 | 35.4 | 36.2 |

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| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Cairneyhill Road (Unknown Property), Bankfoot | 52.7 | 49.6 | 50.0 | 50.9 | 41.4 | 38.6 | 39.0 | 39.8 |
| Cairneyhill Road (Wellbank), Bankfoot | 49.5 | 46.4 | 46.7 | 47.6 | 38.5 | 35.7 | 36.0 | 36.8 |
| Cairneyhill Road (Whyte Cottage), Bankfoot | 49.6 | 46.6 | 47.4 | 48.3 | 38.6 | 35.9 | 36.6 | 37.5 |
| Cairneyhill Road (Yew Cottage), Bankfoot | 46.6 | 43.4 | 43.9 | 44.8 | 35.9 | 33.0 | 33.5 | 34.3 |
| Carriers Entry (Speediehill Cottage), Bankfoot | 46.6 | 43.5 | 43.9 | 44.8 | 35.9 | 33.1 | 33.5 | 34.3 |
| Church Lane (04), Bankfoot | 49.0 | 45.9 | 46.3 | 47.1 | 38.1 | 35.3 | 35.7 | 36.4 |
| Church Lane (Appin Cottage), Bankfoot | 43.0 | 39.9 | 40.2 | 41.1 | 32.7 | 29.9 | 30.2 | 31.0 |
| Church Lane (Ascog Cottage), Bankfoot | 48.7 | 45.6 | 45.9 | 46.7 | 37.8 | 35.0 | 35.3 | 36.0 |
| Church Lane (Cairney View), Bankfoot | 47.0 | 43.9 | 44.3 | 45.2 | 36.3 | 33.5 | 33.9 | 34.7 |
| Church Lane (Ronan), Bankfoot | 46.8 | 43.7 | 44.0 | 44.9 | 36.1 | 33.3 | 33.6 | 34.4 |
| Church Lane (Rose Cottage), Bankfoot | 46.7 | 43.6 | 44.0 | 44.8 | 36.0 | 33.2 | 33.6 | 34.3 |
| Church Lane (The Cottage), Bankfoot | 49.6 | 46.5 | 46.9 | 47.7 | 38.6 | 35.8 | 36.2 | 36.9 |
| Church Lane (Weardale Cottage), Bankfoot | 46.8 | 43.7 | 44.1 | 45.0 | 36.1 | 33.3 | 33.7 | 34.5 |
| Church Place (01), Bankfoot | 43.7 | 40.6 | 41.0 | 41.8 | 33.3 | 30.5 | 30.9 | 31.6 |
| Church Place (02), Bankfoot | 43.7 | 40.6 | 41.0 | 41.8 | 33.3 | 30.5 | 30.9 | 31.6 |
| Church Place (03), Bankfoot | 43.6 | 40.4 | 40.8 | 41.7 | 33.2 | 30.4 | 30.7 | 31.5 |
| Church Place (04), Bankfoot | 47.0 | 43.9 | 44.2 | 45.1 | 36.3 | 33.5 | 33.8 | 34.6 |
| Church Place (Birch House), Bankfoot | 47.7 | 44.6 | 44.9 | 45.8 | 36.9 | 34.1 | 34.4 | 35.2 |
| Church Place (Hall Place 01), Bankfoot | 43.5 | 40.4 | 40.7 | 41.6 | 33.1 | 30.4 | 30.6 | 31.4 |
| Church Place (Hall Place 02), Bankfoot | 46.1 | 43.0 | 43.4 | 44.2 | 35.5 | 32.7 | 33.0 | 33.8 |
| Coats Drive (01), Luncarty | 46.5 | 46.3 | 47.1 | 47.5 | 35.8 | 35.7 | 36.4 | 36.7 |
| Coats Drive (02), Luncarty | 46.4 | 46.1 | 46.9 | 47.1 | 35.7 | 35.5 | 36.2 | 36.4 |
| Coats Drive (03), Luncarty | 46.4 | 46.4 | 47.0 | 47.6 | 35.7 | 35.7 | 36.3 | 36.8 |
| Coats Drive (04), Luncarty | 45.9 | 45.6 | 46.4 | 46.6 | 35.3 | 35.0 | 35.7 | 35.9 |
| Coats Drive (05), Luncarty | 46.0 | 46.0 | 46.5 | 47.0 | 35.4 | 35.4 | 35.8 | 36.3 |
| Coats Drive (06), Luncarty | 45.7 | 45.4 | 46.2 | 46.4 | 35.1 | 34.8 | 35.6 | 35.7 |
| Coats Drive (07), Luncarty | 45.4 | 45.4 | 46.0 | 46.4 | 34.8 | 34.8 | 35.4 | 35.7 |
| Coats Drive (08), Luncarty | 46.2 | 46.0 | 46.8 | 47.1 | 35.6 | 35.4 | 36.1 | 36.4 |
| Coats Drive (09), Luncarty | 45.5 | 45.5 | 46.1 | 46.5 | 34.9 | 34.9 | 35.5 | 35.8 |
| Coats Drive (10), Luncarty | 46.2 | 46.1 | 46.9 | 47.3 | 35.6 | 35.5 | 36.2 | 36.6 |
| Coats Drive (11), Luncarty | 45.1 | 45.2 | 45.8 | 46.3 | 34.6 | 34.7 | 35.2 | 35.7 |
| Coats Drive (12), Luncarty | 46.2 | 46.2 | 46.9 | 47.3 | 35.6 | 35.6 | 36.2 | 36.6 |
| Coats Drive (13), Luncarty | 45.4 | 45.3 | 45.9 | 46.3 | 34.8 | 34.8 | 35.3 | 35.7 |
| Coats Drive (14), Luncarty | 46.1 | 46.1 | 46.8 | 47.2 | 35.5 | 35.5 | 36.1 | 36.5 |
| Coats Drive (15), Luncarty | 46.3 | 46.3 | 47.0 | 47.5 | 35.7 | 35.7 | 36.3 | 36.7 |
| Coats Drive (16), Luncarty | 45.0 | 45.0 | 45.6 | 46.2 | 34.5 | 34.5 | 35.0 | 35.6 |
| Coats Drive (17), Luncarty | 47.0 | 47.0 | 47.6 | 48.1 | 36.3 | 36.3 | 36.8 | 37.3 |
| Coats Drive (18), Luncarty | 46.2 | 46.2 | 46.8 | 47.3 | 35.6 | 35.6 | 36.1 | 36.6 |
| Coats Drive (19), Luncarty | 46.2 | 46.1 | 46.7 | 47.2 | 35.6 | 35.5 | 36.0 | 36.5 |
| Coats Drive (20), Luncarty | 46.3 | 46.3 | 46.9 | 47.4 | 35.7 | 35.7 | 36.2 | 36.6 |
| Coats Drive (21), Luncarty | 45.0 | 45.1 | 45.7 | 46.3 | 34.5 | 34.6 | 35.1 | 35.7 |
| Coats Drive (22), Luncarty | 46.2 | 46.2 | 47.0 | 47.4 | 35.6 | 35.6 | 36.3 | 36.6 |
| Coats Drive (23), Luncarty | 45.4 | 45.4 | 46.0 | 46.6 | 34.8 | 34.8 | 35.4 | 35.9 |
| Coats Drive (24), Luncarty | 46.3 | 46.3 | 47.0 | 47.4 | 35.7 | 35.7 | 36.3 | 36.6 |
| Coats Drive (25), Luncarty | 45.2 | 45.2 | 45.7 | 46.3 | 34.7 | 34.7 | 35.1 | 35.7 |
| Coats Drive (26), Luncarty | 44.5 | 44.3 | 44.9 | 45.2 | 34.0 | 33.9 | 34.4 | 34.7 |
| Coats Drive (27), Luncarty | 43.6 | 43.6 | 44.1 | 44.6 | 33.2 | 33.2 | 33.7 | 34.1 |
| Coats Drive (28), Luncarty | 45.0 | 44.9 | 45.5 | 45.8 | 34.5 | 34.4 | 34.9 | 35.2 |
| Coats Drive (30), Luncarty | 44.4 | 44.3 | 45.0 | 45.3 | 33.9 | 33.9 | 34.5 | 34.8 |
| Coats Drive (32), Luncarty | 46.7 | 46.7 | 47.4 | 48.0 | 36.0 | 36.0 | 36.6 | 37.2 |
| Coats Drive (34), Luncarty | 47.1 | 47.2 | 47.8 | 48.5 | 36.4 | 36.5 | 37.0 | 37.6 |
| Coats Drive (36), Luncarty | 48.0 | 48.0 | 48.6 | 49.2 | 37.2 | 37.2 | 37.7 | 38.3 |
| Coats Drive (38), Luncarty | 48.6 | 48.6 | 49.1 | 49.6 | 37.7 | 37.7 | 38.2 | 38.6 |
| Coats Drive (40), Luncarty | 47.6 | 47.7 | 48.3 | 49.0 | 36.8 | 36.9 | 37.5 | 38.1 |
| Coats Drive (42), Luncarty | 47.8 | 47.9 | 48.6 | 49.2 | 37.0 | 37.1 | 37.7 | 38.3 |

A9 Dualling: Luncarty to Pass of Birnam

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Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Coats Drive (44), Luncarty | 49.5 | 49.6 | 50.0 | 50.5 | 38.5 | 38.6 | 39.0 | 39.4 |
| Coats Drive (46), Luncarty | 48.5 | 48.6 | 49.1 | 49.5 | 37.6 | 37.7 | 38.2 | 38.5 |
| Cross Street (01), Bankfoot | 45.8 | 42.7 | 43.1 | 44.0 | 35.2 | 32.4 | 32.8 | 33.6 |
| Cross Street (03), Bankfoot | 45.4 | 42.3 | 42.6 | 43.5 | 34.8 | 32.1 | 32.3 | 33.1 |
| Cross Street (05), Bankfoot | 45.1 | 42.1 | 42.3 | 43.2 | 34.6 | 31.9 | 32.1 | 32.9 |
| Cross Street (07), Bankfoot | 44.9 | 41.8 | 42.1 | 43.0 | 34.4 | 31.6 | 31.9 | 32.7 |
| Cross Street (09), Bankfoot | 44.7 | 41.6 | 42.0 | 42.9 | 34.2 | 31.4 | 31.8 | 32.6 |
| Cross Street (Florabank), Bankfoot | 48.2 | 45.2 | 45.5 | 46.4 | 37.4 | 34.7 | 34.9 | 35.7 |
| Dunkeld Road (Ardath House), Bankfoot | 44.6 | 41.5 | 41.9 | 42.8 | 34.1 | 31.3 | 31.7 | 32.5 |
| Dunkeld Road (Amprior), Bankfoot | 42.4 | 39.3 | 39.7 | 40.5 | 32.1 | 29.4 | 29.7 | 30.4 |
| Dunkeld Road (Aspen House), Bankfoot | 43.6 | 40.5 | 40.8 | 41.7 | 33.2 | 30.4 | 30.7 | 31.5 |
| Dunkeld Road (Ballochdee), Bankfoot | 44.7 | 41.5 | 41.9 | 42.8 | 34.2 | 31.3 | 31.7 | 32.5 |
| Dunkeld Road (Berkenhof), Bankfoot | 41.9 | 38.8 | 39.1 | 40.0 | 31.7 | 28.9 | 29.2 | 30.0 |
| Dunkeld Road (Coral Bank), Bankfoot | 45.1 | 42.0 | 42.6 | 43.5 | 34.6 | 31.8 | 32.3 | 33.1 |
| Dunkeld Road (Coral Brae), Bankfoot | 44.4 | 41.2 | 41.7 | 42.6 | 33.9 | 31.1 | 31.5 | 32.3 |
| Dunkeld Road (Coral Cottage), Bankfoot | 44.6 | 41.5 | 41.9 | 42.8 | 34.1 | 31.3 | 31.7 | 32.5 |
| Dunkeld Road (Coral Grove), Bankfoot | 42.6 | 39.4 | 39.9 | 40.8 | 32.3 | 29.5 | 29.9 | 30.7 |
| Dunkeld Road (Coral House), Bankfoot | 43.5 | 40.4 | 40.8 | 41.7 | 33.1 | 30.4 | 30.7 | 31.5 |
| Dunkeld Road (Corrieburn), Bankfoot | 44.8 | 41.6 | 42.1 | 43.0 | 34.3 | 31.4 | 31.9 | 32.7 |
| Dunkeld Road (Greylands), Bankfoot | 46.1 | 43.0 | 43.4 | 44.3 | 35.5 | 32.7 | 33.0 | 33.9 |
| Dunkeld Road (Hillview), Bankfoot | 43.3 | 40.1 | 40.5 | 41.4 | 33.0 | 30.1 | 30.4 | 31.2 |
| Dunkeld Road (Inchearns), Bankfoot | 45.7 | 42.6 | 43.0 | 43.9 | 35.1 | 32.3 | 32.7 | 33.5 |
| Dunkeld Road (Meadowbank), Bankfoot | 41.2 | 38.0 | 38.4 | 39.3 | 31.1 | 28.2 | 28.6 | 29.4 |
| Dunkeld Road (Strachcluanie), Bankfoot | 44.5 | 41.4 | 41.8 | 42.7 | 34.0 | 31.2 | 31.6 | 32.4 |
| Dunkeld Road (Sunnyside), Bankfoot | 42.2 | 39.1 | 39.6 | 40.5 | 32.0 | 29.2 | 29.6 | 30.4 |
| Dunkeld Road (Tannoch House), Bankfoot | 44.5 | 41.4 | 41.8 | 42.7 | 34.0 | 31.2 | 31.6 | 32.4 |
| Dunkeld Road (Tichvalich), Bankfoot | 44.1 | 40.9 | 41.3 | 42.2 | 33.7 | 30.8 | 31.2 | 32.0 |
| Dunkeld Road (Tighbealach Beag), Bankfoot | 43.6 | 40.5 | 40.8 | 41.7 | 33.2 | 30.4 | 30.7 | 31.5 |
| Fairview (01), Luncarty | 55.5 | 53.3 | 55.6 | 53.7 | 43.9 | 42.0 | 44.0 | 42.3 |
| Fairview (03 Scarth), Luncarty | 53.8 | 52.0 | 54.0 | 52.6 | 42.4 | 40.8 | 42.6 | 41.3 |
| Fairview (03), Luncarty | 55.4 | 53.2 | 55.4 | 53.7 | 43.8 | 41.9 | 43.8 | 42.3 |
| Fairview (04 Scarth), Luncarty | 54.1 | 52.3 | 54.2 | 52.7 | 42.7 | 41.1 | 42.8 | 41.4 |
| Fairview (04), Luncarty | 57.4 | 55.3 | 57.5 | 55.7 | 45.6 | 43.8 | 45.7 | 44.1 |
| Fairview (05 Scarth), Luncarty | 53.6 | 51.7 | 53.7 | 52.1 | 42.2 | 40.5 | 42.3 | 40.9 |
| Fairview (05), Luncarty | 57.0 | 54.7 | 57.1 | 55.1 | 45.3 | 43.2 | 45.4 | 43.6 |
| Fairview (06 Scarth), Luncarty | 53.7 | 51.8 | 53.8 | 52.3 | 42.3 | 40.6 | 42.4 | 41.1 |
| Fairview (06), Luncarty | 56.3 | 54.3 | 56.4 | 54.8 | 44.7 | 42.9 | 44.7 | 43.3 |
| Fairview (07 Scarth), Luncarty | 53.9 | 52.0 | 54.0 | 52.5 | 42.5 | 40.8 | 42.6 | 41.2 |
| Fairview (07), Luncarty | 57.7 | 55.4 | 57.7 | 55.8 | 45.9 | 43.8 | 45.9 | 44.2 |
| Fairview (08), Luncarty | 57.1 | 54.9 | 57.2 | 55.3 | 45.4 | 43.4 | 45.5 | 43.8 |
| Fairview (10), Luncarty | 57.5 | 55.3 | 57.5 | 55.7 | 45.7 | 43.8 | 45.7 | 44.1 |
| Fairview (12), Luncarty | 57.6 | 55.4 | 57.7 | 55.9 | 45.8 | 43.8 | 45.9 | 44.3 |
| Fairview (Caisteal), Luncarty | 55.2 | 53.5 | 55.4 | 53.9 | 43.7 | 42.1 | 43.8 | 42.5 |
| Fairview (Carraig), Luncarty | 57.7 | 55.6 | 57.8 | 56.0 | 45.9 | 44.0 | 46.0 | 44.4 |
| Fairview (Hall), Luncarty | 53.3 | 52.1 | 53.5 | 52.5 | 42.0 | 40.9 | 42.1 | 41.2 |
| Fairview (Ledaig), Luncarty | 54.1 | 52.0 | 54.2 | 52.5 | 42.7 | 40.8 | 42.8 | 41.2 |
| Fairview (Revoan), Luncarty | 54.0 | 52.1 | 54.1 | 52.5 | 42.6 | 40.9 | 42.7 | 41.2 |
| Fairview (Scarth Cottage), Luncarty | 52.8 | 51.0 | 53.0 | 51.5 | 41.5 | 39.9 | 41.7 | 40.3 |
| Fairview (Wilmarean), Luncarty | 56.0 | 53.8 | 56.0 | 54.1 | 44.4 | 42.4 | 44.4 | 42.7 |
| Fairview (Woodend), Luncarty | 53.4 | 51.5 | 53.5 | 52.0 | 42.0 | 40.3 | 42.1 | 40.8 |
| Fairview (Woodview 01), Luncarty | 54.9 | 53.4 | 55.0 | 53.9 | 43.4 | 42.0 | 43.5 | 42.5 |
| Fairview (Woodview 02), Luncarty | 55.0 | 53.6 | 55.4 | 54.3 | 43.5 | 42.2 | 43.8 | 42.9 |
| Fairview (Woodview 03), Luncarty | 54.8 | 53.4 | 55.0 | 53.8 | 43.3 | 42.0 | 43.5 | 42.4 |
| Fairview (Woodview 04), Luncarty | 54.4 | 53.0 | 54.6 | 53.4 | 42.9 | 41.7 | 43.1 | 42.0 |
| Forestry Place (01), Bankfoot | 46.2 | 43.0 | 43.3 | 44.2 | 35.6 | 32.7 | 33.0 | 33.8 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Forestry Place (02), Bankfoot | 46.3 | 43.2 | 43.5 | 44.4 | 35.7 | 32.9 | 33.1 | 33.9 |
| Forestry Place (03), Bankfoot | 46.5 | 43.4 | 43.7 | 44.6 | 35.8 | 33.0 | 33.3 | 34.1 |
| Forestry Place (04), Bankfoot | 46.9 | 43.7 | 44.0 | 44.9 | 36.2 | 33.3 | 33.6 | 34.4 |
| Forestry Place (05), Bankfoot | 47.0 | 43.9 | 44.1 | 45.0 | 36.3 | 33.5 | 33.7 | 34.5 |
| Forestry Place (06), Bankfoot | 49.3 | 46.3 | 46.9 | 47.7 | 38.4 | 35.7 | 36.2 | 36.9 |
| Forestry Place (Forest Lodge), Bankfoot | 51.2 | 48.2 | 48.6 | 49.4 | 40.1 | 37.4 | 37.7 | 38.4 |
| Graham Court (01), Bankfoot | 49.9 | 46.8 | 46.9 | 47.8 | 38.9 | 36.1 | 36.2 | 37.0 |
| Graham Court (02), Bankfoot | 49.6 | 46.5 | 46.6 | 47.5 | 38.6 | 35.8 | 35.9 | 36.7 |
| Graham Court (03-06), Bankfoot | 51.4 | 48.3 | 48.5 | 49.4 | 40.2 | 37.5 | 37.6 | 38.4 |
| Graham Court (07), Bankfoot | 49.3 | 46.3 | 46.4 | 47.3 | 38.4 | 35.7 | 35.7 | 36.6 |
| Graham Court (08), Bankfoot | 50.7 | 47.7 | 47.9 | 48.8 | 39.6 | 36.9 | 37.1 | 37.9 |
| Graham Court (09-12), Bankfoot | 44.6 | 41.5 | 41.8 | 42.7 | 34.1 | 31.3 | 31.6 | 32.4 |
| Graham Court (13), Bankfoot | 47.6 | 44.6 | 45.0 | 45.8 | 36.8 | 34.1 | 34.5 | 35.2 |
| Graham Court (14), Bankfoot | 44.3 | 41.2 | 41.6 | 42.5 | 33.9 | 31.1 | 31.4 | 32.2 |
| Graham Court (15), Bankfoot | 44.3 | 41.2 | 41.6 | 42.5 | 33.9 | 31.1 | 31.4 | 32.2 |
| Graham Court (16), Bankfoot | 44.3 | 41.2 | 41.6 | 42.5 | 33.9 | 31.1 | 31.4 | 32.2 |
| Graham Court (17), Bankfoot | 44.4 | 41.2 | 41.6 | 42.5 | 33.9 | 31.1 | 31.4 | 32.2 |
| Graham Court (18), Bankfoot | 44.1 | 40.9 | 41.3 | 42.2 | 33.7 | 30.8 | 31.2 | 32.0 |
| Graham Court (19), Bankfoot | 44.0 | 40.9 | 41.2 | 42.1 | 33.6 | 30.8 | 31.1 | 31.9 |
| Graham Court (23), Bankfoot | 48.9 | 45.8 | 46.0 | 46.9 | 38.0 | 35.2 | 35.4 | 36.2 |
| Graham Court (24), Bankfoot | 48.8 | 45.7 | 45.9 | 46.8 | 37.9 | 35.1 | 35.3 | 36.1 |
| Graham Court (Burnlea), Bankfoot | 44.6 | 41.5 | 41.9 | 42.8 | 34.1 | 31.3 | 31.7 | 32.5 |
| Graham Court (Dalriada), Bankfoot | 47.4 | 44.3 | 44.7 | 45.6 | 36.6 | 33.9 | 34.2 | 35.0 |
| Graham Court (West Most), Bankfoot | 44.0 | 40.9 | 41.2 | 42.1 | 33.6 | 30.8 | 31.1 | 31.9 |
| Hatton Place (02), Luncarty | 47.7 | 46.5 | 48.0 | 47.2 | 36.9 | 35.8 | 37.2 | 36.5 |
| Hatton Road (01), Luncarty | 45.9 | 44.4 | 46.1 | 44.9 | 35.3 | 33.9 | 35.5 | 34.4 |
| Hatton Road (02), Luncarty | 47.0 | 45.7 | 47.3 | 46.4 | 36.3 | 35.1 | 36.6 | 35.7 |
| Hatton Road (04), Luncarty | 46.6 | 44.9 | 46.8 | 45.4 | 35.9 | 34.4 | 36.1 | 34.8 |
| Hatton Road (06), Luncarty | 46.5 | 44.9 | 46.7 | 45.5 | 35.8 | 34.4 | 36.0 | 34.9 |
| Hatton Road (08), Luncarty | 45.9 | 44.4 | 46.1 | 45.0 | 35.3 | 33.9 | 35.5 | 34.5 |
| Hatton Road (10), Luncarty | 46.3 | 44.6 | 46.4 | 45.2 | 35.7 | 34.1 | 35.7 | 34.7 |
| Hatton Road (12), Luncarty | 46.0 | 44.4 | 46.1 | 45.0 | 35.4 | 33.9 | 35.5 | 34.5 |
| Hatton Road (14), Luncarty | 45.8 | 43.9 | 45.9 | 44.4 | 35.2 | 33.5 | 35.3 | 33.9 |
| Hatton Road (15), Luncarty | 46.7 | 45.0 | 46.8 | 45.6 | 36.0 | 34.5 | 36.1 | 35.0 |
| Hatton Road (16), Luncarty | 46.3 | 44.8 | 46.4 | 45.4 | 35.7 | 34.3 | 35.7 | 34.8 |
| Hatton Road (17), Luncarty | 46.7 | 45.1 | 46.9 | 45.7 | 36.0 | 34.6 | 36.2 | 35.1 |
| Hatton Road (18), Luncarty | 46.8 | 45.1 | 46.9 | 45.7 | 36.1 | 34.6 | 36.2 | 35.1 |
| Hatton Road (19), Luncarty | 46.6 | 44.9 | 46.7 | 45.5 | 35.9 | 34.4 | 36.0 | 34.9 |
| Hatton Road (20), Luncarty | 46.8 | 45.2 | 47.0 | 45.8 | 36.1 | 34.7 | 36.3 | 35.2 |
| Hatton Road (21), Luncarty | 46.6 | 45.0 | 46.8 | 45.6 | 35.9 | 34.5 | 36.1 | 35.0 |
| Hatton Road (22), Luncarty | 45.9 | 44.5 | 46.1 | 45.1 | 35.3 | 34.0 | 35.5 | 34.6 |
| Hatton Road (23), Luncarty | 45.7 | 44.3 | 45.9 | 44.9 | 35.1 | 33.9 | 35.3 | 34.4 |
| Hatton Road (24), Luncarty | 46.9 | 45.1 | 47.0 | 45.6 | 36.2 | 34.6 | 36.3 | 35.0 |
| Hatton Road (25), Luncarty | 47.1 | 45.4 | 47.3 | 46.0 | 36.4 | 34.8 | 36.6 | 35.4 |
| Hatton Road (26), Luncarty | 46.4 | 44.8 | 46.6 | 45.4 | 35.7 | 34.3 | 35.9 | 34.8 |
| Hatton Road (27), Luncarty | 46.9 | 45.0 | 47.1 | 45.6 | 36.2 | 34.5 | 36.4 | 35.0 |
| Hatton Road (28), Luncarty | 46.1 | 44.4 | 46.2 | 45.0 | 35.5 | 33.9 | 35.6 | 34.5 |
| Hatton Road (29), Luncarty | 47.4 | 45.7 | 47.6 | 46.3 | 36.6 | 35.1 | 36.8 | 35.7 |
| Hatton Road (30), Luncarty | 46.9 | 45.3 | 47.1 | 45.8 | 36.2 | 34.8 | 36.4 | 35.2 |
| Hatton Road (31), Luncarty | 45.4 | 44.1 | 45.7 | 44.7 | 34.8 | 33.7 | 35.1 | 34.2 |
| Hatton Road (32), Luncarty | 46.8 | 45.1 | 47.0 | 45.7 | 36.1 | 34.6 | 36.3 | 35.1 |
| Hatton Road (33), Luncarty | 43.1 | 42.0 | 43.3 | 42.5 | 32.8 | 31.8 | 33.0 | 32.2 |
| Hatton Road (34), Luncarty | 46.6 | 44.9 | 46.7 | 45.5 | 35.9 | 34.4 | 36.0 | 34.9 |
| Hatton Road (35), Luncarty | 47.1 | 45.3 | 47.2 | 45.8 | 36.4 | 34.8 | 36.5 | 35.2 |
| Hatton Road (36), Luncarty | 46.9 | 45.2 | 47.1 | 45.7 | 36.2 | 34.7 | 36.4 | 35.1 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Hatton Road (37), Luncarty | 47.0 | 45.2 | 47.1 | 45.8 | 36.3 | 34.7 | 36.4 | 35.2 |
| Hatton Road (38), Luncarty | 47.3 | 45.5 | 47.4 | 46.0 | 36.6 | 34.9 | 36.6 | 35.4 |
| Hatton Road (39), Luncarty | 47.2 | 45.4 | 47.4 | 45.9 | 36.5 | 34.8 | 36.6 | 35.3 |
| Hatton Road (40), Luncarty | 47.3 | 45.5 | 47.4 | 46.0 | 36.6 | 34.9 | 36.6 | 35.4 |
| Hatton Road (41), Luncarty | 47.3 | 45.5 | 47.5 | 46.0 | 36.6 | 34.9 | 36.7 | 35.4 |
| Hatton Road (42), Luncarty | 47.1 | 45.4 | 47.3 | 45.9 | 36.4 | 34.8 | 36.6 | 35.3 |
| Hatton Road (43), Luncarty | 47.2 | 45.5 | 47.3 | 46.0 | 36.5 | 34.9 | 36.6 | 35.4 |
| Hatton Road (44), Luncarty | 47.2 | 45.4 | 47.3 | 45.9 | 36.5 | 34.8 | 36.6 | 35.3 |
| Hatton Road (45), Luncarty | 46.5 | 44.9 | 46.7 | 45.5 | 35.8 | 34.4 | 36.0 | 34.9 |
| Hatton Road (46), Luncarty | 47.5 | 45.8 | 47.7 | 46.3 | 36.7 | 35.2 | 36.9 | 35.7 |
| Hatton Road (47), Luncarty | 47.3 | 45.7 | 47.5 | 46.3 | 36.6 | 35.1 | 36.7 | 35.7 |
| Hatton Road (48), Luncarty | 47.6 | 46.0 | 47.8 | 46.6 | 36.8 | 35.4 | 37.0 | 35.9 |
| Hatton Road (49), Luncarty | 46.8 | 45.2 | 47.0 | 45.7 | 36.1 | 34.7 | 36.3 | 35.1 |
| Hatton Road (50), Luncarty | 47.8 | 46.1 | 48.0 | 46.6 | 37.0 | 35.5 | 37.2 | 35.9 |
| Hatton Road (51), Luncarty | 44.6 | 43.3 | 44.8 | 43.9 | 34.1 | 33.0 | 34.3 | 33.5 |
| Hatton Road (52), Luncarty | 47.8 | 46.2 | 48.0 | 46.8 | 37.0 | 35.6 | 37.2 | 36.1 |
| Hatton Road (53), Luncarty | 46.9 | 45.2 | 47.1 | 45.8 | 36.2 | 34.7 | 36.4 | 35.2 |
| Hatton Road (54), Luncarty | 47.7 | 46.2 | 47.9 | 46.7 | 36.9 | 35.6 | 37.1 | 36.0 |
| Hatton Road (55), Luncarty | 47.4 | 45.7 | 47.6 | 46.3 | 36.6 | 35.1 | 36.8 | 35.7 |
| Hatton Road (56 - The Paddock), Luncarty | 47.5 | 45.9 | 47.7 | 46.4 | 36.7 | 35.3 | 36.9 | 35.7 |
| Hatton Road (57), Luncarty | 46.4 | 44.9 | 46.6 | 45.5 | 35.7 | 34.4 | 35.9 | 34.9 |
| Hatton Road (59), Luncarty | 47.5 | 45.8 | 47.6 | 46.3 | 36.7 | 35.2 | 36.8 | 35.7 |
| Hatton Road (61), Luncarty | 47.8 | 46.1 | 47.9 | 46.6 | 37.0 | 35.5 | 37.1 | 35.9 |
| Hatton Road (63), Luncarty | 44.7 | 43.3 | 44.9 | 43.9 | 34.2 | 33.0 | 34.4 | 33.5 |
| Hatton Road (65), Luncarty | 43.2 | 42.0 | 43.3 | 42.6 | 32.9 | 31.8 | 33.0 | 32.3 |
| Hatton Road (67), Luncarty | 43.4 | 42.2 | 43.6 | 42.8 | 33.0 | 32.0 | 33.2 | 32.5 |
| Hatton Road (69), Luncarty | 47.3 | 45.6 | 47.4 | 46.1 | 36.6 | 35.0 | 36.6 | 35.5 |
| Hatton Road (71), Luncarty | 48.2 | 46.3 | 48.3 | 46.8 | 37.4 | 35.7 | 37.5 | 36.1 |
| Hatton Road (73), Luncarty | 48.2 | 46.4 | 48.3 | 47.0 | 37.4 | 35.7 | 37.5 | 36.3 |
| Hatton Road (75), Luncarty | 47.9 | 46.2 | 48.1 | 46.8 | 37.1 | 35.6 | 37.3 | 36.1 |
| Hatton Road (77), Luncarty | 45.7 | 44.2 | 45.9 | 44.8 | 35.1 | 33.8 | 35.3 | 34.3 |
| Hatton Road (79), Luncarty | 44.5 | 43.2 | 44.7 | 43.8 | 34.0 | 32.9 | 34.2 | 33.4 |
| Hatton Road (81), Luncarty | 47.2 | 45.6 | 47.4 | 46.1 | 36.5 | 35.0 | 36.6 | 35.5 |
| Hatton Road (The Steadings 01), Luncarty | 47.3 | 45.5 | 47.4 | 46.0 | 36.6 | 34.9 | 36.6 | 35.4 |
| Hatton Road (The Steadings Eastlea Cottage), Luncarty | 47.6 | 46.1 | 47.8 | 46.7 | 36.8 | 35.5 | 37.0 | 36.0 |
| Hatton Road (The Steadings Westmost Cottage), Luncarty | 48.4 | 46.7 | 48.6 | 47.2 | 37.5 | 36.0 | 37.7 | 36.5 |
| Highfield Place (Arvcach), Bankfoot | 53.8 | 50.7 | 50.9 | 51.8 | 42.4 | 39.6 | 39.8 | 40.6 |
| Highfield Place (Ciarniag), Bankfoot | 51.6 | 48.5 | 49.1 | 50.0 | 40.4 | 37.6 | 38.2 | 39.0 |
| Highfield Place (Etive Mor), Bankfoot | 56.5 | 53.4 | 54.0 | 54.8 | 44.8 | 42.0 | 42.6 | 43.3 |
| Highfield Place (Lorneville), Bankfoot | 49.8 | 46.8 | 47.0 | 47.9 | 38.8 | 36.1 | 36.3 | 37.1 |
| Highfield Place (Lynreen), Bankfoot | 58.6 | 55.5 | 55.8 | 56.7 | 46.7 | 43.9 | 44.2 | 45.0 |
| Highfield Place (Mandaya), Bankfoot | 52.5 | 49.4 | 50.2 | 51.1 | 41.2 | 38.4 | 39.2 | 40.0 |
| Highfield Place (Mizpah), Bankfoot | 53.0 | 49.9 | 50.7 | 51.6 | 41.7 | 38.9 | 39.6 | 40.4 |
| Highfield Place (Reneham), Bankfoot | 53.3 | 50.2 | 50.9 | 51.8 | 42.0 | 39.2 | 39.8 | 40.6 |
| Highfield Place (Tailwinds), Bankfoot | 57.8 | 54.7 | 55.1 | 56.0 | 46.0 | 43.2 | 43.6 | 44.4 |
| Highfield Place (The Rowans), Bankfoot | 58.2 | 55.1 | 55.5 | 56.4 | 46.4 | 43.6 | 43.9 | 44.7 |
| Highfield Place (Tummel), Bankfoot | 53.7 | 50.6 | 51.3 | 52.2 | 42.3 | 39.5 | 40.2 | 41.0 |
| Innewan Gardens (01), Bankfoot | 52.9 | 49.7 | 49.5 | 50.4 | 41.6 | 38.7 | 38.5 | 39.3 |
| Innewan Gardens (02), Bankfoot | 55.5 | 52.4 | 52.0 | 52.9 | 43.9 | 41.1 | 40.8 | 41.6 |
| Innewan Gardens (03), Bankfoot | 58.1 | 55.0 | 54.6 | 55.5 | 46.3 | 43.5 | 43.1 | 43.9 |
| Innewan Gardens (04), Bankfoot | 56.9 | 53.8 | 53.3 | 54.2 | 45.2 | 42.4 | 42.0 | 42.8 |
| Innewan Gardens (05), Bankfoot | 57.0 | 53.9 | 53.2 | 54.1 | 45.3 | 42.5 | 41.9 | 42.7 |
| Innewan Gardens (06), Bankfoot | 58.5 | 55.4 | 55.0 | 55.9 | 46.6 | 43.8 | 43.5 | 44.3 |

A9 Dualling: Luncarty to Pass of Birnam

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Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--------------------------------|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Innewan Gardens (07), Bankfoot | 57.7 | 54.6 | 53.6 | 54.5 | 45.9 | 43.1 | 42.2 | 43.0 |
| Innewan Gardens (08), Bankfoot | 56.7 | 53.6 | 53.4 | 54.3 | 45.0 | 42.2 | 42.0 | 42.9 |
| Innewan Gardens (09), Bankfoot | 58.2 | 55.0 | 53.9 | 54.8 | 46.4 | 43.5 | 42.5 | 43.3 |
| Innewan Gardens (10), Bankfoot | 57.3 | 54.2 | 53.9 | 54.8 | 45.6 | 42.8 | 42.5 | 43.3 |
| Innewan Gardens (11), Bankfoot | 57.8 | 54.6 | 53.6 | 54.5 | 46.0 | 43.1 | 42.2 | 43.0 |
| Innewan Gardens (12), Bankfoot | 57.9 | 54.8 | 54.3 | 55.2 | 46.1 | 43.3 | 42.9 | 43.7 |
| Innewan Gardens (13), Bankfoot | 61.4 | 58.3 | 57.2 | 58.1 | 49.2 | 46.5 | 45.5 | 46.3 |
| Innewan Gardens (14), Bankfoot | 59.9 | 56.8 | 56.3 | 57.2 | 47.9 | 45.1 | 44.7 | 45.5 |
| Innewan Gardens (15), Bankfoot | 63.8 | 60.7 | 58.6 | 59.5 | 51.4 | 48.6 | 46.7 | 47.5 |
| Innewan Gardens (16), Bankfoot | 60.1 | 57.0 | 56.3 | 57.2 | 48.1 | 45.3 | 44.7 | 45.5 |
| Innewan Gardens (17), Bankfoot | 63.5 | 60.4 | 58.4 | 59.3 | 51.1 | 48.3 | 46.5 | 47.4 |
| Innewan Gardens (18), Bankfoot | 58.0 | 54.8 | 54.2 | 55.1 | 46.2 | 43.3 | 42.8 | 43.6 |
| Innewan Gardens (19), Bankfoot | 60.6 | 57.5 | 56.8 | 57.7 | 48.5 | 45.7 | 45.1 | 45.9 |
| Innewan Gardens (20), Bankfoot | 58.6 | 55.4 | 54.7 | 55.6 | 46.7 | 43.8 | 43.2 | 44.0 |
| Innewan Gardens (21), Bankfoot | 58.2 | 55.1 | 54.1 | 55.0 | 46.4 | 43.6 | 42.7 | 43.5 |
| Innewan Gardens (22), Bankfoot | 61.2 | 58.1 | 56.9 | 57.8 | 49.1 | 46.3 | 45.2 | 46.0 |
| Innewan Gardens (23), Bankfoot | 59.2 | 56.1 | 55.1 | 56.0 | 47.3 | 44.5 | 43.6 | 44.4 |
| Innewan Gardens (24), Bankfoot | 61.8 | 58.7 | 57.5 | 58.4 | 49.6 | 46.8 | 45.7 | 46.5 |
| Innewan Gardens (25), Bankfoot | 61.4 | 58.3 | 57.3 | 58.2 | 49.2 | 46.5 | 45.6 | 46.4 |
| Innewan Gardens (26), Bankfoot | 62.2 | 59.1 | 57.9 | 58.7 | 50.0 | 47.2 | 46.1 | 46.8 |
| Innewan Gardens (27), Bankfoot | 61.9 | 58.8 | 57.5 | 58.4 | 49.7 | 46.9 | 45.7 | 46.5 |
| Innewan Gardens (28), Bankfoot | 62.4 | 59.3 | 58.0 | 58.9 | 50.1 | 47.4 | 46.2 | 47.0 |
| Innewan Gardens (29), Bankfoot | 58.6 | 55.5 | 54.4 | 55.3 | 46.7 | 43.9 | 42.9 | 43.8 |
| Innewan Gardens (30), Bankfoot | 62.7 | 59.5 | 58.2 | 59.1 | 50.4 | 47.5 | 46.4 | 47.2 |
| Innewan Gardens (31), Bankfoot | 60.6 | 57.4 | 55.7 | 56.6 | 48.5 | 45.6 | 44.1 | 44.9 |
| Innewan Gardens (32), Bankfoot | 63.2 | 60.1 | 58.7 | 59.6 | 50.9 | 48.1 | 46.8 | 47.6 |
| Innewan Gardens (33), Bankfoot | 64.3 | 61.2 | 58.7 | 59.6 | 51.9 | 49.1 | 46.8 | 47.6 |
| Innewan Gardens (34), Bankfoot | 61.1 | 58.1 | 57.3 | 58.2 | 49.0 | 46.3 | 45.6 | 46.4 |
| Innewan Gardens (35), Bankfoot | 65.0 | 61.9 | 59.0 | 59.9 | 52.5 | 49.7 | 47.1 | 47.9 |
| Innewan Gardens (36), Bankfoot | 60.9 | 57.8 | 57.2 | 58.1 | 48.8 | 46.0 | 45.5 | 46.3 |
| Innewan Gardens (37), Bankfoot | 66.2 | 63.0 | 59.7 | 60.6 | 53.6 | 50.7 | 47.7 | 48.5 |
| Innewan Gardens (38), Bankfoot | 59.4 | 56.3 | 55.5 | 56.4 | 47.4 | 44.7 | 43.9 | 44.7 |
| Innewan Gardens (39), Bankfoot | 62.9 | 59.8 | 57.9 | 58.8 | 50.6 | 47.8 | 46.1 | 46.9 |
| Innewan Gardens (40), Bankfoot | 62.6 | 59.7 | 59.9 | 60.7 | 50.3 | 47.7 | 47.9 | 48.6 |
| Innewan Gardens (41), Bankfoot | 60.7 | 57.5 | 55.5 | 56.4 | 48.6 | 45.7 | 43.9 | 44.7 |
| Innewan Gardens (42), Bankfoot | 62.9 | 59.9 | 60.2 | 61.1 | 50.6 | 47.9 | 48.2 | 49.0 |
| Innewan Gardens (43), Bankfoot | 60.9 | 57.7 | 55.6 | 56.5 | 48.8 | 45.9 | 44.0 | 44.8 |
| Innewan Gardens (44), Bankfoot | 63.1 | 60.0 | 60.4 | 61.3 | 50.8 | 48.0 | 48.3 | 49.2 |
| Innewan Gardens (45), Bankfoot | 62.5 | 59.4 | 57.0 | 57.8 | 50.2 | 47.4 | 45.3 | 46.0 |
| Innewan Gardens (46), Bankfoot | 62.4 | 59.4 | 60.1 | 60.9 | 50.1 | 47.4 | 48.1 | 48.8 |
| Innewan Gardens (47), Bankfoot | 65.0 | 61.9 | 58.7 | 59.6 | 52.5 | 49.7 | 46.8 | 47.6 |
| Innewan Gardens (48), Bankfoot | 62.1 | 59.0 | 59.8 | 60.6 | 49.9 | 47.1 | 47.8 | 48.5 |
| Innewan Gardens (49), Bankfoot | 65.7 | 62.6 | 59.5 | 60.4 | 53.1 | 50.3 | 47.5 | 48.3 |
| Innewan Gardens (50), Bankfoot | 61.8 | 58.8 | 59.4 | 60.3 | 49.6 | 46.9 | 47.4 | 48.3 |
| Innewan Gardens (51), Bankfoot | 65.9 | 62.7 | 59.6 | 60.5 | 53.3 | 50.4 | 47.6 | 48.4 |
| Innewan Gardens (52), Bankfoot | 60.5 | 57.4 | 56.7 | 57.6 | 48.4 | 45.6 | 45.0 | 45.8 |
| Innewan Gardens (53), Bankfoot | 68.3 | 65.2 | 62.7 | 63.6 | 55.5 | 52.7 | 50.4 | 51.2 |
| Innewan Gardens (54), Bankfoot | 60.7 | 57.6 | 56.9 | 57.7 | 48.6 | 45.8 | 45.2 | 45.9 |
| Innewan Gardens (55), Bankfoot | 68.9 | 65.8 | 63.4 | 64.2 | 56.0 | 53.2 | 51.0 | 51.8 |
| Innewan Gardens (56), Bankfoot | 61.7 | 58.6 | 57.9 | 58.8 | 49.5 | 46.7 | 46.1 | 46.9 |
| Innewan Gardens (57), Bankfoot | 69.3 | 66.2 | 63.7 | 64.6 | 56.4 | 53.6 | 51.3 | 52.1 |
| Innewan Gardens (58), Bankfoot | 60.9 | 57.8 | 57.6 | 58.5 | 48.8 | 46.0 | 45.8 | 46.6 |
| Innewan Gardens (59), Bankfoot | 69.8 | 66.7 | 64.1 | 65.0 | 56.8 | 54.0 | 51.7 | 52.5 |
| Innewan Gardens (60), Bankfoot | 62.5 | 59.4 | 58.8 | 59.7 | 50.2 | 47.4 | 46.9 | 47.7 |
| Innewan Gardens (61), Bankfoot | 68.3 | 65.2 | 61.7 | 62.6 | 55.5 | 52.7 | 49.5 | 50.3 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--------------------------------|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Innewan Gardens (62), Bankfoot | 62.5 | 59.5 | 59.0 | 59.8 | 50.2 | 47.5 | 47.1 | 47.8 |
| Innewan Gardens (63), Bankfoot | 68.2 | 65.1 | 61.8 | 62.7 | 55.4 | 52.6 | 49.6 | 50.4 |
| Innewan Gardens (64), Bankfoot | 63.8 | 60.8 | 59.9 | 60.7 | 51.4 | 48.7 | 47.9 | 48.6 |
| Innewan Gardens (65), Bankfoot | 69.0 | 66.0 | 62.3 | 63.1 | 56.1 | 53.4 | 50.1 | 50.8 |
| Innewan Gardens (66), Bankfoot | 64.4 | 61.5 | 60.5 | 61.3 | 51.9 | 49.3 | 48.4 | 49.2 |
| Innewan Gardens (67), Bankfoot | 69.1 | 66.0 | 62.4 | 63.2 | 56.2 | 53.4 | 50.1 | 50.9 |
| Innewan Gardens (68), Bankfoot | 65.0 | 62.1 | 61.0 | 61.9 | 52.5 | 49.9 | 48.9 | 49.7 |
| Innewan Gardens (69), Bankfoot | 69.2 | 66.2 | 62.7 | 63.6 | 56.3 | 53.6 | 50.4 | 51.2 |
| Innewan Gardens (70), Bankfoot | 67.2 | 65.2 | 64.2 | 64.9 | 54.5 | 52.7 | 51.8 | 52.4 |
| Innewan Gardens (71), Bankfoot | 69.0 | 66.2 | 63.3 | 64.1 | 56.1 | 53.6 | 51.0 | 51.7 |
| Innewan Place (01), Bankfoot | 55.1 | 52.0 | 52.1 | 52.9 | 43.6 | 40.8 | 40.9 | 41.6 |
| Innewan Place (02), Bankfoot | 57.3 | 54.2 | 54.1 | 55.0 | 45.6 | 42.8 | 42.7 | 43.5 |
| Innewan Place (03), Bankfoot | 54.8 | 51.7 | 51.5 | 52.3 | 43.3 | 40.5 | 40.3 | 41.1 |
| Innewan Place (04), Bankfoot | 58.0 | 55.0 | 54.9 | 55.8 | 46.2 | 43.5 | 43.4 | 44.2 |
| Innewan Place (05), Bankfoot | 57.2 | 54.1 | 54.1 | 55.0 | 45.5 | 42.7 | 42.7 | 43.5 |
| Innewan Place (06), Bankfoot | 57.3 | 54.3 | 54.4 | 55.3 | 45.6 | 42.9 | 42.9 | 43.8 |
| Innewan Place (07), Bankfoot | 57.9 | 54.9 | 55.0 | 55.8 | 46.1 | 43.4 | 43.5 | 44.2 |
| Innewan Place (08), Bankfoot | 58.5 | 55.4 | 55.4 | 56.3 | 46.6 | 43.8 | 43.8 | 44.7 |
| Innewan Place (09), Bankfoot | 58.6 | 55.5 | 55.3 | 56.2 | 46.7 | 43.9 | 43.8 | 44.6 |
| Innewan Place (10), Bankfoot | 56.7 | 53.6 | 53.4 | 54.2 | 45.0 | 42.2 | 42.0 | 42.8 |
| Isla Crescent (01), Luncarty | 57.0 | 55.7 | 57.1 | 56.0 | 45.3 | 44.1 | 45.4 | 44.4 |
| Isla Crescent (02), Luncarty | 51.6 | 50.9 | 51.6 | 51.3 | 40.4 | 39.8 | 40.4 | 40.2 |
| Isla Crescent (03), Luncarty | 51.6 | 51.2 | 51.7 | 51.6 | 40.4 | 40.1 | 40.5 | 40.4 |
| Isla Crescent (04), Luncarty | 50.2 | 49.5 | 50.2 | 49.9 | 39.2 | 38.5 | 39.2 | 38.9 |
| Isla Crescent (05), Luncarty | 51.2 | 50.9 | 51.4 | 51.3 | 40.1 | 39.8 | 40.2 | 40.2 |
| Isla Crescent (06), Luncarty | 50.0 | 49.3 | 50.1 | 49.6 | 39.0 | 38.4 | 39.1 | 38.6 |
| Isla Crescent (07), Luncarty | 51.2 | 50.8 | 51.3 | 51.2 | 40.1 | 39.7 | 40.2 | 40.1 |
| Isla Road (01), Luncarty | 52.9 | 52.2 | 53.0 | 52.6 | 41.6 | 41.0 | 41.7 | 41.3 |
| Isla Road (02), Luncarty | 52.7 | 51.4 | 52.8 | 51.8 | 41.4 | 40.2 | 41.5 | 40.6 |
| Isla Road (03), Luncarty | 53.2 | 52.5 | 53.4 | 52.9 | 41.9 | 41.2 | 42.0 | 41.6 |
| Isla Road (04), Luncarty | 54.4 | 53.1 | 54.5 | 53.5 | 42.9 | 41.8 | 43.0 | 42.1 |
| Isla Road (05), Luncarty | 53.8 | 53.2 | 54.0 | 53.6 | 42.4 | 41.9 | 42.6 | 42.2 |
| Isla Road (06), Luncarty | 51.7 | 50.6 | 51.8 | 51.0 | 40.5 | 39.5 | 40.6 | 39.9 |
| Isla Road (07), Luncarty | 52.1 | 51.5 | 52.3 | 51.9 | 40.9 | 40.3 | 41.1 | 40.7 |
| Isla Road (08), Luncarty | 53.6 | 52.5 | 53.8 | 52.9 | 42.2 | 41.2 | 42.4 | 41.6 |
| Isla Road (09), Luncarty | 54.0 | 53.3 | 54.1 | 53.7 | 42.6 | 42.0 | 42.7 | 42.3 |
| Isla Road (10), Luncarty | 54.3 | 53.5 | 54.5 | 53.9 | 42.9 | 42.1 | 43.0 | 42.5 |
| Isla Road (11), Luncarty | 53.7 | 53.0 | 53.9 | 53.4 | 42.3 | 41.7 | 42.5 | 42.0 |
| Isla Road (12), Luncarty | 54.3 | 53.4 | 54.4 | 53.8 | 42.9 | 42.0 | 42.9 | 42.4 |
| Isla Road (13), Luncarty | 53.7 | 52.9 | 53.8 | 53.3 | 42.3 | 41.6 | 42.4 | 42.0 |
| Isla Road (14), Luncarty | 54.3 | 53.4 | 54.5 | 53.8 | 42.9 | 42.0 | 43.0 | 42.4 |
| Isla Road (15), Luncarty | 53.8 | 53.2 | 54.0 | 53.6 | 42.4 | 41.9 | 42.6 | 42.2 |
| Isla Road (16), Luncarty | 54.3 | 53.4 | 54.5 | 53.8 | 42.9 | 42.0 | 43.0 | 42.4 |
| Isla Road (17), Luncarty | 54.0 | 53.5 | 54.2 | 53.9 | 42.6 | 42.1 | 42.8 | 42.5 |
| Isla Road (18), Luncarty | 51.7 | 50.5 | 51.8 | 50.9 | 40.5 | 39.4 | 40.6 | 39.8 |
| Isla Road (19), Luncarty | 54.3 | 53.8 | 54.4 | 54.1 | 42.9 | 42.4 | 42.9 | 42.7 |
| Isla Road (20), Luncarty | 53.9 | 52.8 | 54.0 | 53.3 | 42.5 | 41.5 | 42.6 | 42.0 |
| Isla Road (21), Luncarty | 54.5 | 54.0 | 54.6 | 54.3 | 43.0 | 42.6 | 43.1 | 42.9 |
| Isla Road (22), Luncarty | 51.4 | 50.2 | 51.5 | 50.7 | 40.2 | 39.2 | 40.3 | 39.6 |
| Isla Road (23), Luncarty | 54.4 | 53.8 | 54.5 | 54.2 | 42.9 | 42.4 | 43.0 | 42.8 |
| Isla Road (24), Luncarty | 53.6 | 52.5 | 53.7 | 52.9 | 42.2 | 41.2 | 42.3 | 41.6 |
| Isla Road (25), Luncarty | 55.1 | 54.1 | 55.2 | 54.4 | 43.6 | 42.7 | 43.7 | 42.9 |
| Isla Road (26), Luncarty | 53.1 | 51.9 | 53.3 | 52.4 | 41.8 | 40.7 | 42.0 | 41.1 |
| Isla Road (27), Luncarty | 56.2 | 56.4 | 56.3 | 56.6 | 44.6 | 44.7 | 44.7 | 44.9 |
| Isla Road (28), Luncarty | 53.2 | 52.0 | 53.3 | 52.4 | 41.9 | 40.8 | 42.0 | 41.1 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Isla Road (29), Luncarty | 58.2 | 58.5 | 58.3 | 58.7 | 46.4 | 46.6 | 46.5 | 46.8 |
| Isla Road (30), Luncarty | 53.3 | 52.0 | 53.4 | 52.4 | 42.0 | 40.8 | 42.0 | 41.1 |
| Isla Road (31), Luncarty | 62.3 | 62.6 | 62.3 | 62.7 | 50.1 | 50.3 | 50.1 | 50.4 |
| Isla Road (32), Luncarty | 50.1 | 49.2 | 50.3 | 49.6 | 39.1 | 38.3 | 39.3 | 38.6 |
| Isla Road (34), Luncarty | 52.6 | 51.5 | 52.7 | 52.0 | 41.3 | 40.3 | 41.4 | 40.8 |
| Isla Road (36), Luncarty | 50.0 | 49.2 | 50.2 | 49.7 | 39.0 | 38.3 | 39.2 | 38.7 |
| Isla Road (38), Luncarty | 52.3 | 51.4 | 52.4 | 51.9 | 41.1 | 40.2 | 41.1 | 40.7 |
| Isla Road (40), Luncarty | 52.1 | 51.4 | 52.3 | 51.9 | 40.9 | 40.2 | 41.1 | 40.7 |
| Isla Road (42), Luncarty | 52.2 | 51.6 | 52.4 | 52.0 | 41.0 | 40.4 | 41.1 | 40.8 |
| Isla Road (44), Luncarty | 52.2 | 51.6 | 52.4 | 52.0 | 41.0 | 40.4 | 41.1 | 40.8 |
| Isla Road (46), Luncarty | 52.7 | 52.3 | 52.8 | 52.7 | 41.4 | 41.1 | 41.5 | 41.4 |
| Isla Road (48), Luncarty | 52.8 | 52.4 | 52.9 | 52.8 | 41.5 | 41.1 | 41.6 | 41.5 |
| Isla Road (50), Luncarty | 52.6 | 52.8 | 52.8 | 53.2 | 41.3 | 41.5 | 41.5 | 41.9 |
| Isla Road (52), Luncarty | 53.3 | 53.4 | 53.4 | 53.8 | 42.0 | 42.0 | 42.0 | 42.4 |
| Isla Road (54), Luncarty | 54.0 | 54.2 | 54.2 | 54.6 | 42.6 | 42.8 | 42.8 | 43.1 |
| Isla Road (56), Luncarty | 55.3 | 55.5 | 55.4 | 55.8 | 43.8 | 43.9 | 43.8 | 44.2 |
| Isla Road (58), Luncarty | 57.8 | 58.1 | 57.8 | 58.3 | 46.0 | 46.3 | 46.0 | 46.5 |
| Isla Road (60), Luncarty | 62.6 | 62.8 | 62.7 | 63.0 | 50.3 | 50.5 | 50.4 | 50.7 |
| Kirkhill Drive (01), Luncarty | 62.1 | 62.4 | 62.2 | 62.5 | 49.9 | 50.1 | 50.0 | 50.2 |
| Kirkhill Drive (01a), Luncarty | 56.1 | 56.3 | 56.2 | 56.6 | 44.5 | 44.7 | 44.6 | 44.9 |
| Kirkhill Drive (02), Luncarty | 55.8 | 56.0 | 55.7 | 56.1 | 44.2 | 44.4 | 44.1 | 44.5 |
| Kirkhill Drive (03), Luncarty | 53.2 | 53.4 | 53.5 | 53.9 | 41.9 | 42.0 | 42.1 | 42.5 |
| Kirkhill Drive (04), Luncarty | 53.3 | 53.1 | 53.6 | 53.9 | 42.0 | 41.8 | 42.2 | 42.5 |
| Kirkhill Drive (05), Luncarty | 53.9 | 53.9 | 54.4 | 54.9 | 42.5 | 42.5 | 42.9 | 43.4 |
| Kirkhill Drive (06), Luncarty | 53.7 | 53.8 | 54.4 | 55.0 | 42.3 | 42.4 | 42.9 | 43.5 |
| Kirkhill Drive (07), Luncarty | 53.9 | 53.9 | 54.6 | 55.2 | 42.5 | 42.5 | 43.1 | 43.7 |
| Kirkhill Drive (08), Luncarty | 54.7 | 54.8 | 55.2 | 55.9 | 43.2 | 43.3 | 43.7 | 44.3 |
| Kirkhill Drive (09), Luncarty | 53.5 | 53.7 | 54.3 | 55.0 | 42.1 | 42.3 | 42.9 | 43.5 |
| Kirkhill Drive (10), Luncarty | 52.6 | 52.8 | 53.2 | 53.8 | 41.3 | 41.5 | 41.9 | 42.4 |
| Kirkhill Drive (11), Luncarty | 55.5 | 55.7 | 56.2 | 56.9 | 43.9 | 44.1 | 44.6 | 45.2 |
| Kirkhill Drive (12), Luncarty | 55.9 | 56.1 | 56.4 | 57.2 | 44.3 | 44.5 | 44.7 | 45.5 |
| Kirkhill Drive (13), Luncarty | 54.8 | 55.0 | 55.3 | 56.0 | 43.3 | 43.5 | 43.8 | 44.4 |
| Kirkhill Drive (14), Luncarty | 52.8 | 52.9 | 53.7 | 54.5 | 41.5 | 41.6 | 42.3 | 43.0 |
| Kirkhill Drive (15), Luncarty | 50.2 | 50.4 | 50.9 | 51.5 | 39.2 | 39.3 | 39.8 | 40.3 |
| Kirkhill Drive (16), Luncarty | 51.5 | 51.4 | 51.9 | 52.5 | 40.3 | 40.2 | 40.7 | 41.2 |
| Kirkhill Drive (17), Luncarty | 50.1 | 50.2 | 50.6 | 51.2 | 39.1 | 39.2 | 39.5 | 40.1 |
| Kirkhill Drive (18), Luncarty | 50.3 | 50.3 | 50.7 | 51.2 | 39.3 | 39.3 | 39.6 | 40.1 |
| Kirkhill Drive (19), Luncarty | 49.8 | 49.9 | 50.2 | 50.7 | 38.8 | 38.9 | 39.2 | 39.6 |
| Kirkhill Drive (21), Luncarty | 65.1 | 65.4 | 65.1 | 65.5 | 52.6 | 52.8 | 52.6 | 52.9 |
| Main Street (Aldergrove), Bankfoot | 41.9 | 38.8 | 39.1 | 40.0 | 31.7 | 28.9 | 29.2 | 30.0 |
| Main Street (Allanbank), Bankfoot | 45.6 | 42.5 | 43.0 | 43.8 | 35.0 | 32.2 | 32.7 | 33.4 |
| Main Street (Appin), Bankfoot | 46.3 | 43.2 | 43.6 | 44.4 | 35.7 | 32.9 | 33.2 | 33.9 |
| Main Street (Ar Dachaidh), Bankfoot | 49.6 | 46.6 | 46.8 | 47.7 | 38.6 | 35.9 | 36.1 | 36.9 |
| Main Street (Ardenlea), Bankfoot | 45.2 | 42.1 | 42.5 | 43.3 | 34.7 | 31.9 | 32.2 | 33.0 |
| Main Street (Atholl Place 01), Bankfoot | 44.7 | 41.6 | 41.9 | 42.8 | 34.2 | 31.4 | 31.7 | 32.5 |
| Main Street (Atholl Place 02), Bankfoot | 44.7 | 41.6 | 41.9 | 42.8 | 34.2 | 31.4 | 31.7 | 32.5 |
| Main Street (Atholl Place 03), Bankfoot | 45.3 | 42.2 | 42.5 | 43.4 | 34.8 | 32.0 | 32.2 | 33.0 |
| Main Street (Athollbank), Bankfoot | 44.4 | 41.3 | 41.7 | 42.6 | 33.9 | 31.2 | 31.5 | 32.3 |
| Main Street (Balgownie), Bankfoot | 48.4 | 45.3 | 45.5 | 46.4 | 37.5 | 34.8 | 34.9 | 35.7 |
| Main Street (Balvaird Cottage 01), Bankfoot | 45.7 | 42.5 | 42.8 | 43.7 | 35.1 | 32.2 | 32.5 | 33.3 |
| Main Street (Balvaird Cottage 03), Bankfoot | 45.5 | 42.3 | 42.7 | 43.6 | 34.9 | 32.1 | 32.4 | 33.2 |
| Main Street (Bengairn), Bankfoot | 46.2 | 43.1 | 43.5 | 44.4 | 35.6 | 32.8 | 33.1 | 33.9 |
| Main Street (Blair House), Bankfoot | 47.3 | 44.2 | 44.6 | 45.5 | 36.6 | 33.8 | 34.1 | 34.9 |
| Main Street (Brae View), Bankfoot | 44.8 | 41.7 | 42.1 | 43.0 | 34.3 | 31.5 | 31.9 | 32.7 |
| Main Street (Burnervie), Bankfoot | 46.5 | 43.4 | 43.8 | 44.6 | 35.8 | 33.0 | 33.4 | 34.1 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Main Street (Burnlea), Bankfoot | 48.1 | 45.0 | 45.2 | 46.1 | 37.3 | 34.5 | 34.7 | 35.5 |
| Main Street (Cairneybank), Bankfoot | 50.4 | 47.4 | 47.6 | 48.5 | 39.3 | 36.6 | 36.8 | 37.6 |
| Main Street (Clifton), Bankfoot | 44.9 | 41.8 | 42.2 | 43.1 | 34.4 | 31.6 | 32.0 | 32.8 |
| Main Street (Cloudslea Stroma), Bankfoot | 47.5 | 44.4 | 44.7 | 45.6 | 36.7 | 33.9 | 34.2 | 35.0 |
| Main Street (Craiglea), Bankfoot | 43.7 | 40.6 | 41.0 | 41.9 | 33.3 | 30.5 | 30.9 | 31.7 |
| Main Street (Craigroyston), Bankfoot | 45.1 | 41.9 | 42.3 | 43.2 | 34.6 | 31.7 | 32.1 | 32.9 |
| Main Street (Cuilcheanna), Bankfoot | 45.0 | 41.9 | 42.3 | 43.2 | 34.5 | 31.7 | 32.1 | 32.9 |
| Main Street (Drum Mohr Cottage), Bankfoot | 54.8 | 51.7 | 51.5 | 52.4 | 43.3 | 40.5 | 40.3 | 41.1 |
| Main Street (Drummond House), Bankfoot | 46.5 | 43.4 | 43.8 | 44.7 | 35.8 | 33.0 | 33.4 | 34.2 |
| Main Street (Dunarave), Bankfoot | 44.0 | 40.8 | 41.1 | 42.0 | 33.6 | 30.7 | 31.0 | 31.8 |
| Main Street (Fodla), Bankfoot | 43.4 | 40.3 | 40.6 | 41.5 | 33.0 | 30.3 | 30.5 | 31.3 |
| Main Street (Garden Flat), Bankfoot | 46.4 | 43.3 | 43.8 | 44.6 | 35.7 | 33.0 | 33.4 | 34.1 |
| Main Street (Glengaur), Bankfoot | 45.5 | 42.4 | 42.7 | 43.6 | 34.9 | 32.1 | 32.4 | 33.2 |
| Main Street (Hawthorne Cottage), Bankfoot | 45.4 | 42.3 | 42.7 | 43.6 | 34.8 | 32.1 | 32.4 | 33.2 |
| Main Street (High Gable), Bankfoot | 51.8 | 48.7 | 49.3 | 50.1 | 40.6 | 37.8 | 38.4 | 39.1 |
| Main Street (Highside), Bankfoot | 55.4 | 52.3 | 52.1 | 53.0 | 43.8 | 41.1 | 40.9 | 41.7 |
| Main Street (Highview Bealach), Bankfoot | 46.4 | 43.3 | 43.7 | 44.6 | 35.7 | 33.0 | 33.3 | 34.1 |
| Main Street (Isaville), Bankfoot | 45.2 | 42.1 | 42.4 | 43.3 | 34.7 | 31.9 | 32.1 | 33.0 |
| Main Street (Keay's Buildings), Bankfoot | 44.1 | 41.0 | 41.3 | 42.2 | 33.7 | 30.9 | 31.2 | 32.0 |
| Main Street (Kilbayne), Bankfoot | 47.4 | 44.3 | 44.6 | 45.5 | 36.6 | 33.9 | 34.1 | 34.9 |
| Main Street (Kildonnan), Bankfoot | 46.5 | 43.4 | 43.8 | 44.7 | 35.8 | 33.0 | 33.4 | 34.2 |
| Main Street (Kilrymont), Bankfoot | 49.3 | 46.3 | 46.6 | 47.4 | 38.4 | 35.7 | 35.9 | 36.6 |
| Main Street (Kinloss), Bankfoot | 44.7 | 41.6 | 42.0 | 42.9 | 34.2 | 31.4 | 31.8 | 32.6 |
| Main Street (Lawers House), Bankfoot | 47.3 | 44.3 | 44.5 | 45.4 | 36.6 | 33.9 | 34.0 | 34.8 |
| Main Street (Leadnock Bank), Bankfoot | 45.5 | 42.4 | 42.8 | 43.7 | 34.9 | 32.1 | 32.5 | 33.3 |
| Main Street (Leenane), Bankfoot | 54.0 | 51.0 | 50.9 | 51.8 | 42.6 | 39.9 | 39.8 | 40.6 |
| Main Street (Lilac Cottage), Bankfoot | 47.6 | 44.5 | 44.8 | 45.7 | 36.8 | 34.0 | 34.3 | 35.1 |
| Main Street (Marlane), Bankfoot | 47.5 | 44.4 | 44.8 | 45.7 | 36.7 | 33.9 | 34.3 | 35.1 |
| Main Street (Marwel), Bankfoot | 45.9 | 42.8 | 43.3 | 44.1 | 35.3 | 32.5 | 33.0 | 33.7 |
| Main Street (Morvene), Bankfoot | 47.3 | 44.2 | 44.5 | 45.4 | 36.6 | 33.8 | 34.0 | 34.8 |
| Main Street (Mountfield), Bankfoot | 46.0 | 42.9 | 43.3 | 44.2 | 35.4 | 32.6 | 33.0 | 33.8 |
| Main Street (Myrebank), Bankfoot | 44.7 | 41.6 | 42.0 | 42.9 | 34.2 | 31.4 | 31.8 | 32.6 |
| Main Street (Myrtle Cottage), Bankfoot | 44.9 | 41.8 | 42.2 | 43.0 | 34.4 | 31.6 | 32.0 | 32.7 |
| Main Street (Nairn), Bankfoot | 45.5 | 42.4 | 42.7 | 43.6 | 34.9 | 32.1 | 32.4 | 33.2 |
| Main Street (Nichol Building), Bankfoot | 48.1 | 45.1 | 45.4 | 46.2 | 37.3 | 34.6 | 34.8 | 35.6 |
| Main Street (Obney View), Bankfoot | 45.8 | 42.7 | 43.1 | 44.0 | 35.2 | 32.4 | 32.8 | 33.6 |
| Main Street (Parkview), Bankfoot | 42.0 | 38.8 | 39.2 | 40.1 | 31.8 | 28.9 | 29.3 | 30.1 |
| Main Street (Pendene), Bankfoot | 47.5 | 44.4 | 44.7 | 45.6 | 36.7 | 33.9 | 34.2 | 35.0 |
| Main Street (Piersland), Bankfoot | 44.2 | 41.1 | 41.4 | 42.3 | 33.8 | 31.0 | 31.2 | 32.1 |
| Main Street (Rosebank), Bankfoot | 46.5 | 43.4 | 43.6 | 44.5 | 35.8 | 33.0 | 33.2 | 34.0 |
| Main Street (Springside Sunnybrae), Bankfoot | 46.6 | 43.5 | 43.8 | 44.7 | 35.9 | 33.1 | 33.4 | 34.2 |
| Main Street (Stewarton), Bankfoot | 47.4 | 44.3 | 44.7 | 45.5 | 36.6 | 33.9 | 34.2 | 34.9 |
| Main Street (The Shieling), Bankfoot | 45.0 | 41.9 | 42.3 | 43.2 | 34.5 | 31.7 | 32.1 | 32.9 |
| Main Street (Thornlea), Bankfoot | 45.8 | 42.7 | 43.1 | 44.0 | 35.2 | 32.4 | 32.8 | 33.6 |
| Main Street (Tigh Beag), Bankfoot | 44.9 | 41.8 | 42.2 | 43.1 | 34.4 | 31.6 | 32.0 | 32.8 |
| Main Street (Tigh Chloinn), Bankfoot | 46.6 | 43.5 | 43.8 | 44.6 | 35.9 | 33.1 | 33.4 | 34.1 |
| Main Street (Tornaveen), Bankfoot | 44.9 | 41.9 | 42.2 | 43.0 | 34.4 | 31.7 | 32.0 | 32.7 |
| Main Street (Westhill Cottage), Bankfoot | 48.6 | 45.5 | 45.7 | 46.6 | 37.7 | 34.9 | 35.1 | 35.9 |
| Main Street (Woodburn House), Bankfoot | 44.4 | 41.3 | 41.6 | 42.5 | 33.9 | 31.2 | 31.4 | 32.2 |
| Marshall Court (01), Luncarty | 46.7 | 45.4 | 46.9 | 46.1 | 36.0 | 34.8 | 36.2 | 35.5 |
| Marshall Court (02), Luncarty | 46.9 | 45.7 | 47.1 | 46.3 | 36.2 | 35.1 | 36.4 | 35.7 |
| Marshall Court (03), Luncarty | 46.8 | 45.5 | 47.0 | 46.1 | 36.1 | 34.9 | 36.3 | 35.5 |
| Marshall Court (04), Luncarty | 44.8 | 43.9 | 45.1 | 44.7 | 34.3 | 33.5 | 34.6 | 34.2 |
| Marshall Crescent (01), Luncarty | 40.9 | 40.1 | 41.2 | 40.9 | 30.8 | 30.1 | 31.1 | 30.8 |
| Marshall Crescent (02), Luncarty | 42.5 | 42.1 | 42.7 | 42.8 | 32.2 | 31.9 | 32.4 | 32.5 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|----------------------------------|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Marshall Crescent (03), Luncarty | 44.9 | 44.8 | 45.5 | 45.8 | 34.4 | 34.3 | 34.9 | 35.2 |
| Marshall Crescent (04), Luncarty | 45.6 | 45.3 | 46.1 | 46.2 | 35.0 | 34.8 | 35.5 | 35.6 |
| Marshall Crescent (05), Luncarty | 45.1 | 44.9 | 45.6 | 45.9 | 34.6 | 34.4 | 35.0 | 35.3 |
| Marshall Crescent (06), Luncarty | 40.5 | 39.7 | 40.8 | 40.5 | 30.4 | 29.7 | 30.7 | 30.4 |
| Marshall Crescent (07), Luncarty | 43.7 | 43.4 | 44.2 | 44.4 | 33.3 | 33.0 | 33.8 | 33.9 |
| Marshall Crescent (08), Luncarty | 46.1 | 46.1 | 46.7 | 47.1 | 35.5 | 35.5 | 36.0 | 36.4 |
| Marshall Crescent (09), Luncarty | 46.5 | 45.7 | 46.9 | 46.5 | 35.8 | 35.1 | 36.2 | 35.8 |
| Marshall Crescent (10), Luncarty | 46.3 | 46.3 | 46.9 | 47.3 | 35.7 | 35.7 | 36.2 | 36.6 |
| Marshall Crescent (11), Luncarty | 47.8 | 47.3 | 48.2 | 48.0 | 37.0 | 36.6 | 37.4 | 37.2 |
| Marshall Crescent (12), Luncarty | 46.0 | 46.0 | 46.6 | 47.0 | 35.4 | 35.4 | 35.9 | 36.3 |
| Marshall Crescent (13), Luncarty | 47.8 | 47.3 | 48.2 | 48.1 | 37.0 | 36.6 | 37.4 | 37.3 |
| Marshall Crescent (14), Luncarty | 46.0 | 46.0 | 46.7 | 47.0 | 35.4 | 35.4 | 36.0 | 36.3 |
| Marshall Crescent (15), Luncarty | 47.8 | 47.3 | 48.2 | 48.1 | 37.0 | 36.6 | 37.4 | 37.3 |
| Marshall Crescent (16), Luncarty | 46.6 | 46.6 | 47.1 | 47.5 | 35.9 | 35.9 | 36.4 | 36.7 |
| Marshall Crescent (17), Luncarty | 47.8 | 47.3 | 48.2 | 48.1 | 37.0 | 36.6 | 37.4 | 37.3 |
| Marshall Crescent (19), Luncarty | 47.7 | 47.3 | 48.2 | 48.1 | 36.9 | 36.6 | 37.4 | 37.3 |
| Marshall Crescent (21), Luncarty | 45.9 | 45.9 | 46.6 | 46.9 | 35.3 | 35.3 | 35.9 | 36.2 |
| Marshall Gardens (01), Luncarty | 46.3 | 45.3 | 46.6 | 46.1 | 35.7 | 34.8 | 35.9 | 35.5 |
| Marshall Gardens (02), Luncarty | 46.3 | 45.3 | 46.6 | 46.1 | 35.7 | 34.8 | 35.9 | 35.5 |
| Marshall Gardens (03), Luncarty | 45.8 | 44.9 | 46.1 | 45.6 | 35.2 | 34.4 | 35.5 | 35.0 |
| Marshall Gardens (04), Luncarty | 47.5 | 46.6 | 47.8 | 47.3 | 36.7 | 35.9 | 37.0 | 36.6 |
| Marshall Gardens (05), Luncarty | 44.8 | 44.5 | 45.2 | 45.3 | 34.3 | 34.0 | 34.7 | 34.8 |
| Marshall Gardens (06), Luncarty | 44.4 | 44.1 | 45.0 | 45.1 | 33.9 | 33.7 | 34.5 | 34.6 |
| Marshall Gardens (07), Luncarty | 43.8 | 43.3 | 44.2 | 44.1 | 33.4 | 33.0 | 33.8 | 33.7 |
| Marshall Gardens (08), Luncarty | 43.3 | 42.9 | 43.7 | 43.7 | 33.0 | 32.6 | 33.3 | 33.3 |
| Marshall Gardens (09), Luncarty | 43.1 | 42.6 | 43.5 | 43.5 | 32.8 | 32.3 | 33.1 | 33.1 |
| Marshall Gardens (20), Luncarty | 47.5 | 46.4 | 47.9 | 47.2 | 36.7 | 35.7 | 37.1 | 36.5 |
| Marshall Gardens (22), Luncarty | 47.5 | 46.5 | 47.8 | 47.1 | 36.7 | 35.8 | 37.0 | 36.4 |
| Marshall Gardens (23), Luncarty | 47.5 | 46.5 | 47.8 | 47.2 | 36.7 | 35.8 | 37.0 | 36.5 |
| Marshall Park (01), Luncarty | 47.3 | 46.8 | 47.7 | 47.7 | 36.6 | 36.1 | 36.9 | 36.9 |
| Marshall Park (02), Luncarty | 46.5 | 46.2 | 47.0 | 47.2 | 35.8 | 35.6 | 36.3 | 36.5 |
| Marshall Park (03), Luncarty | 46.1 | 45.2 | 46.6 | 46.2 | 35.5 | 34.7 | 35.9 | 35.6 |
| Marshall Park (04), Luncarty | 45.6 | 45.0 | 46.0 | 45.9 | 35.0 | 34.5 | 35.4 | 35.3 |
| Marshall Park (05), Luncarty | 46.2 | 44.9 | 46.4 | 45.5 | 35.6 | 34.4 | 35.7 | 34.9 |
| Marshall Park (06), Luncarty | 47.7 | 46.9 | 48.1 | 47.8 | 36.9 | 36.2 | 37.3 | 37.0 |
| Marshall Place (01), Luncarty | 45.6 | 45.4 | 46.1 | 46.2 | 35.0 | 34.8 | 35.5 | 35.6 |
| Marshall Place (02), Luncarty | 48.5 | 47.9 | 48.8 | 48.6 | 37.6 | 37.1 | 37.9 | 37.7 |
| Marshall Place (03), Luncarty | 48.5 | 47.9 | 48.8 | 48.6 | 37.6 | 37.1 | 37.9 | 37.7 |
| Marshall Place (04), Luncarty | 48.5 | 47.9 | 48.8 | 48.6 | 37.6 | 37.1 | 37.9 | 37.7 |
| Marshall Place (05), Luncarty | 48.5 | 47.9 | 48.8 | 48.6 | 37.6 | 37.1 | 37.9 | 37.7 |
| Marshall Place (09), Luncarty | 47.7 | 47.2 | 48.1 | 48.0 | 36.9 | 36.5 | 37.3 | 37.2 |
| Marshall Place (10), Luncarty | 46.4 | 46.4 | 47.0 | 47.3 | 35.7 | 35.7 | 36.3 | 36.6 |
| Marshall Place (11), Luncarty | 46.4 | 46.3 | 46.9 | 47.3 | 35.7 | 35.7 | 36.2 | 36.6 |
| Marshall Place (12), Luncarty | 46.3 | 46.2 | 46.8 | 47.2 | 35.7 | 35.6 | 36.1 | 36.5 |
| Marshall Place (13), Luncarty | 46.2 | 46.1 | 46.8 | 47.1 | 35.6 | 35.5 | 36.1 | 36.4 |
| Marshall Place (14), Luncarty | 46.2 | 46.1 | 46.7 | 47.1 | 35.6 | 35.5 | 36.0 | 36.4 |
| Marshall Road (01), Luncarty | 47.5 | 46.8 | 47.9 | 47.6 | 36.7 | 36.1 | 37.1 | 36.8 |
| Marshall Road (02), Luncarty | 47.8 | 46.8 | 48.1 | 47.6 | 37.0 | 36.1 | 37.3 | 36.8 |
| Marshall Road (03), Luncarty | 46.5 | 45.5 | 46.8 | 46.1 | 35.8 | 34.9 | 36.1 | 35.5 |
| Marshall Road (04), Luncarty | 44.5 | 44.1 | 44.9 | 45.0 | 34.0 | 33.7 | 34.4 | 34.5 |
| Marshall Road (05), Luncarty | 44.6 | 44.2 | 45.0 | 45.1 | 34.1 | 33.8 | 34.5 | 34.6 |
| Marshall Road (06), Luncarty | 45.5 | 44.6 | 45.8 | 45.4 | 34.9 | 34.1 | 35.2 | 34.8 |
| Marshall Road (07), Luncarty | 44.4 | 44.0 | 45.0 | 45.0 | 33.9 | 33.6 | 34.5 | 34.5 |
| Marshall Road (08), Luncarty | 44.6 | 44.3 | 45.1 | 45.2 | 34.1 | 33.9 | 34.6 | 34.7 |
| Marshall Road (09), Luncarty | 44.0 | 43.6 | 44.4 | 44.5 | 33.6 | 33.2 | 33.9 | 34.0 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---------------------------------------|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Marshall Road (10), Luncarty | 45.1 | 44.3 | 45.5 | 45.1 | 34.6 | 33.9 | 34.9 | 34.6 |
| Marshall Road (11), Luncarty | 46.3 | 46.1 | 46.6 | 46.8 | 35.7 | 35.5 | 35.9 | 36.1 |
| Marshall Road (12), Luncarty | 47.1 | 46.2 | 47.4 | 47.0 | 36.4 | 35.6 | 36.6 | 36.3 |
| Marshall Road (13), Luncarty | 46.8 | 46.5 | 47.0 | 47.1 | 36.1 | 35.8 | 36.3 | 36.4 |
| Marshall Road (14), Luncarty | 45.9 | 45.7 | 46.3 | 46.4 | 35.3 | 35.1 | 35.7 | 35.7 |
| Marshall Road (15), Luncarty | 47.2 | 46.7 | 47.4 | 47.3 | 36.5 | 36.0 | 36.6 | 36.6 |
| Marshall Road (16), Luncarty | 46.0 | 45.8 | 46.4 | 46.5 | 35.4 | 35.2 | 35.7 | 35.8 |
| Marshall Road (17), Luncarty | 47.4 | 46.7 | 47.6 | 47.2 | 36.6 | 36.0 | 36.8 | 36.5 |
| Marshall Road (18), Luncarty | 46.0 | 45.7 | 46.3 | 46.4 | 35.4 | 35.1 | 35.7 | 35.7 |
| Marshall Road (19), Luncarty | 47.2 | 46.5 | 47.4 | 47.0 | 36.5 | 35.8 | 36.6 | 36.3 |
| Marshall Road (20), Luncarty | 46.5 | 46.1 | 46.8 | 46.8 | 35.8 | 35.5 | 36.1 | 36.1 |
| Marshall Road (21), Luncarty | 47.2 | 46.4 | 47.4 | 46.9 | 36.5 | 35.7 | 36.6 | 36.2 |
| Marshall Road (22), Luncarty | 46.9 | 46.3 | 47.1 | 46.9 | 36.2 | 35.7 | 36.4 | 36.2 |
| Marshall Road (23), Luncarty | 47.1 | 46.3 | 47.3 | 46.8 | 36.4 | 35.7 | 36.6 | 36.1 |
| Marshall Road (24), Luncarty | 47.4 | 46.6 | 47.6 | 47.2 | 36.6 | 35.9 | 36.8 | 36.5 |
| Marshall Road (25), Luncarty | 47.4 | 46.5 | 47.6 | 47.0 | 36.6 | 35.8 | 36.8 | 36.3 |
| Marshall Road (26), Luncarty | 47.2 | 46.3 | 47.4 | 46.9 | 36.5 | 35.7 | 36.6 | 36.2 |
| Marshall Road (27), Luncarty | 47.5 | 46.5 | 47.7 | 47.1 | 36.7 | 35.8 | 36.9 | 36.4 |
| Marshall Road (28), Luncarty | 46.1 | 44.7 | 46.3 | 45.2 | 35.5 | 34.2 | 35.7 | 34.7 |
| Marshall Road (29), Luncarty | 45.6 | 45.0 | 45.8 | 45.7 | 35.0 | 34.5 | 35.2 | 35.1 |
| Marshall Road (30), Luncarty | 46.3 | 45.6 | 46.6 | 46.3 | 35.7 | 35.0 | 35.9 | 35.7 |
| Marshall Road (31), Luncarty | 45.5 | 45.0 | 45.8 | 45.6 | 34.9 | 34.5 | 35.2 | 35.0 |
| Marshall Road (32), Luncarty | 46.9 | 45.7 | 47.1 | 46.3 | 36.2 | 35.1 | 36.4 | 35.7 |
| Marshall Road (33), Luncarty | 46.4 | 45.6 | 46.7 | 46.3 | 35.7 | 35.0 | 36.0 | 35.7 |
| Marshall Road (34), Luncarty | 47.2 | 46.2 | 47.4 | 46.8 | 36.5 | 35.6 | 36.6 | 36.1 |
| Marshall Road (35), Luncarty | 46.4 | 45.6 | 46.6 | 46.2 | 35.7 | 35.0 | 35.9 | 35.6 |
| Marshall Way (01 Langlands), Luncarty | 46.6 | 46.3 | 46.9 | 47.1 | 35.9 | 35.7 | 36.2 | 36.4 |
| Marshall Way (01), Luncarty | 45.4 | 44.5 | 45.7 | 45.2 | 34.8 | 34.0 | 35.1 | 34.7 |
| Marshall Way (02 Langlands), Luncarty | 46.6 | 46.3 | 46.8 | 47.0 | 35.9 | 35.7 | 36.1 | 36.3 |
| Marshall Way (02), Luncarty | 47.8 | 46.5 | 48.0 | 47.1 | 37.0 | 35.8 | 37.2 | 36.4 |
| Marshall Way (03 Langlands), Luncarty | 45.7 | 45.3 | 45.9 | 46.1 | 35.1 | 34.8 | 35.3 | 35.5 |
| Marshall Way (03), Luncarty | 45.5 | 44.4 | 45.7 | 45.1 | 34.9 | 33.9 | 35.1 | 34.6 |
| Marshall Way (04 Langlands), Luncarty | 48.3 | 48.2 | 48.9 | 49.3 | 37.5 | 37.4 | 38.0 | 38.4 |
| Marshall Way (04), Luncarty | 47.9 | 46.6 | 48.2 | 47.2 | 37.1 | 35.9 | 37.4 | 36.5 |
| Marshall Way (05 Langlands), Luncarty | 47.3 | 47.4 | 48.2 | 48.9 | 36.6 | 36.6 | 37.4 | 38.0 |
| Marshall Way (05), Luncarty | 47.1 | 45.7 | 47.3 | 46.2 | 36.4 | 35.1 | 36.6 | 35.6 |
| Marshall Way (06 Langlands), Luncarty | 49.1 | 49.1 | 49.8 | 50.3 | 38.2 | 38.2 | 38.8 | 39.3 |
| Marshall Way (06), Luncarty | 46.9 | 45.6 | 47.1 | 46.2 | 36.2 | 35.0 | 36.4 | 35.6 |
| Marshall Way (07), Luncarty | 47.7 | 46.1 | 47.8 | 46.6 | 36.9 | 35.5 | 37.0 | 35.9 |
| Marshall Way (08), Luncarty | 46.8 | 45.5 | 47.0 | 46.1 | 36.1 | 34.9 | 36.3 | 35.5 |
| Marshall Way (09), Luncarty | 46.7 | 45.2 | 46.9 | 45.8 | 36.0 | 34.7 | 36.2 | 35.2 |
| Marshall Way (10), Luncarty | 47.0 | 45.7 | 47.2 | 46.3 | 36.3 | 35.1 | 36.5 | 35.7 |
| Marshall Way (11), Luncarty | 49.4 | 47.7 | 49.6 | 48.2 | 38.4 | 36.9 | 38.6 | 37.4 |
| Marshall Way (12), Luncarty | 46.6 | 45.3 | 46.8 | 45.9 | 35.9 | 34.8 | 36.1 | 35.3 |
| Marshall Way (13), Luncarty | 49.4 | 47.7 | 49.5 | 48.2 | 38.4 | 36.9 | 38.5 | 37.4 |
| Marshall Way (15), Luncarty | 48.0 | 46.4 | 48.1 | 46.9 | 37.2 | 35.7 | 37.3 | 36.2 |
| Marshall Way (17), Luncarty | 47.3 | 45.8 | 47.5 | 46.3 | 36.6 | 35.2 | 36.7 | 35.7 |
| Marshall Way (19), Luncarty | 46.9 | 45.4 | 47.0 | 45.9 | 36.2 | 34.8 | 36.3 | 35.3 |
| Marshall Way (20), Luncarty | 50.7 | 48.7 | 50.8 | 49.2 | 39.6 | 37.8 | 39.7 | 38.3 |
| Marshall Way (21), Luncarty | 51.2 | 49.5 | 51.4 | 50.0 | 40.1 | 38.5 | 40.2 | 39.0 |
| Marshall Way (22), Luncarty | 48.3 | 46.1 | 48.3 | 46.5 | 37.5 | 35.5 | 37.5 | 35.8 |
| Marshall Way (23), Luncarty | 52.7 | 50.8 | 52.9 | 51.3 | 41.4 | 39.7 | 41.6 | 40.2 |
| Marshall Way (24), Luncarty | 48.6 | 46.6 | 48.7 | 47.0 | 37.7 | 35.9 | 37.8 | 36.3 |
| Marshall Way (25), Luncarty | 52.6 | 50.7 | 52.7 | 51.1 | 41.3 | 39.6 | 41.4 | 40.0 |
| Marshall Way (26), Luncarty | 50.5 | 48.6 | 50.7 | 49.1 | 39.4 | 37.7 | 39.6 | 38.2 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Marshall Way (27), Luncarty | 52.0 | 50.1 | 52.1 | 50.5 | 40.8 | 39.1 | 40.9 | 39.4 |
| Marshall Way (28), Luncarty | 50.7 | 48.6 | 50.8 | 49.1 | 39.6 | 37.7 | 39.7 | 38.2 |
| Marshall Way (29), Luncarty | 49.0 | 47.3 | 49.1 | 47.8 | 38.1 | 36.6 | 38.2 | 37.0 |
| Marshall Way (30), Luncarty | 49.4 | 47.7 | 49.6 | 48.2 | 38.4 | 36.9 | 38.6 | 37.4 |
| Marshall Way (31), Luncarty | 49.2 | 47.5 | 49.3 | 48.0 | 38.3 | 36.7 | 38.4 | 37.2 |
| Marshall Way (32), Luncarty | 47.4 | 45.8 | 47.6 | 46.4 | 36.6 | 35.2 | 36.8 | 35.7 |
| Marshall Way (33), Luncarty | 49.0 | 47.1 | 49.1 | 47.6 | 38.1 | 36.4 | 38.2 | 36.8 |
| Marshall Way (34), Luncarty | 51.4 | 49.3 | 51.5 | 49.7 | 40.2 | 38.4 | 40.3 | 38.7 |
| Marshall Way (35), Luncarty | 50.8 | 49.0 | 50.9 | 49.5 | 39.7 | 38.1 | 39.8 | 38.5 |
| Marshall Way (37), Luncarty | 52.6 | 50.6 | 52.7 | 51.1 | 41.3 | 39.5 | 41.4 | 40.0 |
| Marshall Way (39), Luncarty | 52.8 | 50.8 | 52.9 | 51.2 | 41.5 | 39.7 | 41.6 | 40.1 |
| Marshall Way (41), Luncarty | 52.3 | 50.2 | 52.4 | 50.7 | 41.1 | 39.2 | 41.1 | 39.6 |
| Marshall Way (43), Luncarty | 48.6 | 46.7 | 48.7 | 47.2 | 37.7 | 36.0 | 37.8 | 36.5 |
| Marshall Way (45), Luncarty | 50.1 | 48.2 | 50.3 | 48.7 | 39.1 | 37.4 | 39.3 | 37.8 |
| Marshall Way (47), Luncarty | 50.3 | 48.4 | 50.4 | 48.9 | 39.3 | 37.5 | 39.3 | 38.0 |
| Marshall Way (49), Luncarty | 49.9 | 48.0 | 50.0 | 48.5 | 38.9 | 37.2 | 39.0 | 37.6 |
| Marshall Way (Luncarty House), Luncarty | 48.8 | 47.4 | 48.9 | 48.0 | 37.9 | 36.6 | 38.0 | 37.2 |
| Marshall Way (Marshall Cottage), Luncarty | 57.6 | 57.8 | 57.6 | 58.1 | 45.8 | 46.0 | 45.8 | 46.3 |
| Marshall Way (Maxwell Cottage), Luncarty | 56.0 | 56.2 | 56.1 | 56.4 | 44.4 | 44.6 | 44.5 | 44.7 |
| Marshall Way (Tayven), Luncarty | 53.3 | 53.5 | 53.6 | 54.0 | 42.0 | 42.1 | 42.2 | 42.6 |
| Marshall Way (The Gardens), Luncarty | 47.3 | 45.9 | 47.5 | 46.5 | 36.6 | 35.3 | 36.7 | 35.8 |
| Marshall Way (The Steadings Luncarty Home Farm), Luncarty | 47.8 | 46.1 | 48.0 | 46.7 | 37.0 | 35.5 | 37.2 | 36.0 |
| Miller Road (01), Luncarty | 47.3 | 46.3 | 47.6 | 47.0 | 36.6 | 35.7 | 36.8 | 36.3 |
| Miller Road (02), Luncarty | 44.6 | 44.0 | 44.9 | 44.8 | 34.1 | 33.6 | 34.4 | 34.3 |
| Miller Road (03), Luncarty | 44.4 | 43.9 | 44.8 | 44.7 | 33.9 | 33.5 | 34.3 | 34.2 |
| Miller Road (04), Luncarty | 44.2 | 43.8 | 44.6 | 44.6 | 33.8 | 33.4 | 34.1 | 34.1 |
| Miller Road (05), Luncarty | 44.6 | 43.9 | 44.9 | 44.7 | 34.1 | 33.5 | 34.4 | 34.2 |
| Miller Road (06), Luncarty | 45.9 | 44.7 | 46.1 | 45.4 | 35.3 | 34.2 | 35.5 | 34.8 |
| Miller Road (07), Luncarty | 45.7 | 44.5 | 45.9 | 45.2 | 35.1 | 34.0 | 35.3 | 34.7 |
| Miller Road (08), Luncarty | 46.5 | 45.1 | 46.7 | 45.8 | 35.8 | 34.6 | 36.0 | 35.2 |
| Miller Road (09), Luncarty | 45.7 | 45.3 | 46.1 | 46.1 | 35.1 | 34.8 | 35.5 | 35.5 |
| Miller Road (10), Luncarty | 47.9 | 46.8 | 48.2 | 47.6 | 37.1 | 36.1 | 37.4 | 36.8 |
| Miller Road (11), Luncarty | 46.0 | 45.6 | 46.4 | 46.5 | 35.4 | 35.0 | 35.7 | 35.8 |
| Miller Road (12), Luncarty | 48.4 | 47.4 | 48.7 | 48.1 | 37.5 | 36.6 | 37.8 | 37.3 |
| Miller Road (13), Luncarty | 46.8 | 45.3 | 46.9 | 45.8 | 36.1 | 34.8 | 36.2 | 35.2 |
| Miller Road (14), Luncarty | 47.4 | 46.3 | 47.7 | 46.9 | 36.6 | 35.7 | 36.9 | 36.2 |
| Miller Road (15), Luncarty | 47.5 | 46.5 | 47.7 | 47.1 | 36.7 | 35.8 | 36.9 | 36.4 |
| Miller Road (16), Luncarty | 47.4 | 46.5 | 47.7 | 47.2 | 36.6 | 35.8 | 36.9 | 36.5 |
| Miller Road (17), Luncarty | 45.6 | 45.4 | 46.0 | 46.2 | 35.0 | 34.8 | 35.4 | 35.6 |
| Newhall Street (02), Bankfoot | 45.6 | 42.5 | 42.9 | 43.8 | 35.0 | 32.2 | 32.6 | 33.4 |
| Newhall Street (04), Bankfoot | 46.5 | 43.5 | 43.8 | 44.7 | 35.8 | 33.1 | 33.4 | 34.2 |
| Newhall Street (05), Bankfoot | 46.8 | 43.7 | 44.1 | 45.0 | 36.1 | 33.3 | 33.7 | 34.5 |
| Newhall Street (09), Bankfoot | 47.9 | 44.8 | 45.1 | 45.9 | 37.1 | 34.3 | 34.6 | 35.3 |
| Newhall Street (10), Bankfoot | 47.7 | 44.6 | 45.0 | 45.8 | 36.9 | 34.1 | 34.5 | 35.2 |
| Newhall Street (11), Bankfoot | 47.1 | 44.0 | 44.4 | 45.3 | 36.4 | 33.6 | 33.9 | 34.8 |
| Newhall Street (12), Bankfoot | 46.5 | 43.4 | 43.8 | 44.7 | 35.8 | 33.0 | 33.4 | 34.2 |
| Newhall Street (13), Bankfoot | 46.2 | 43.1 | 43.5 | 44.4 | 35.6 | 32.8 | 33.1 | 33.9 |
| Newhall Street (14), Bankfoot | 46.2 | 43.1 | 43.5 | 44.4 | 35.6 | 32.8 | 33.1 | 33.9 |
| Newhall Street (15), Bankfoot | 45.6 | 42.5 | 42.9 | 43.8 | 35.0 | 32.2 | 32.6 | 33.4 |
| Newhall Street (Belmar), Bankfoot | 46.0 | 42.9 | 43.3 | 44.2 | 35.4 | 32.6 | 33.0 | 33.8 |
| Newhall Street (Lagganachie 06), Bankfoot | 48.9 | 45.8 | 46.1 | 47.0 | 38.0 | 35.2 | 35.5 | 36.3 |
| Newhall Street (Nairn Cottage), Bankfoot | 47.9 | 44.8 | 45.1 | 46.0 | 37.1 | 34.3 | 34.6 | 35.4 |
| Nicoll Drive (01), Bankfoot | 52.8 | 49.7 | 49.9 | 50.8 | 41.5 | 38.7 | 38.9 | 39.7 |
| Nicoll Drive (01a), Bankfoot | 51.6 | 48.5 | 48.5 | 49.4 | 40.4 | 37.6 | 37.6 | 38.4 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Nicoll Drive (02), Bankfoot | 53.1 | 50.0 | 50.1 | 51.0 | 41.8 | 39.0 | 39.1 | 39.9 |
| Nicoll Drive (02a), Bankfoot | 53.0 | 49.9 | 49.8 | 50.7 | 41.7 | 38.9 | 38.8 | 39.6 |
| Nicoll Drive (03), Bankfoot | 53.3 | 50.3 | 50.4 | 51.3 | 42.0 | 39.3 | 39.3 | 40.2 |
| Nicoll Drive (03a), Bankfoot | 53.3 | 50.2 | 50.1 | 51.0 | 42.0 | 39.2 | 39.1 | 39.9 |
| Nicoll Drive (04), Bankfoot | 53.4 | 50.4 | 50.5 | 51.4 | 42.0 | 39.3 | 39.4 | 40.2 |
| Nicoll Drive (04a), Bankfoot | 52.4 | 49.3 | 49.4 | 50.2 | 41.1 | 38.4 | 38.4 | 39.2 |
| Nicoll Drive (05), Bankfoot | 53.4 | 50.5 | 50.6 | 51.5 | 42.0 | 39.4 | 39.5 | 40.3 |
| Nicoll Drive (05a), Bankfoot | 50.9 | 47.8 | 48.1 | 48.9 | 39.8 | 37.0 | 37.3 | 38.0 |
| Nicoll Drive (06), Bankfoot | 53.5 | 50.5 | 50.6 | 51.5 | 42.1 | 39.4 | 39.5 | 40.3 |
| Nicoll Drive (06a), Bankfoot | 52.6 | 49.5 | 49.6 | 50.5 | 41.3 | 38.5 | 38.6 | 39.4 |
| Nicoll Drive (07), Bankfoot | 53.7 | 50.7 | 50.9 | 51.7 | 42.3 | 39.6 | 39.8 | 40.5 |
| Nicoll Drive (08), Bankfoot | 54.0 | 51.0 | 51.2 | 52.0 | 42.6 | 39.9 | 40.1 | 40.8 |
| Nicoll Drive (09), Bankfoot | 54.4 | 51.4 | 51.6 | 52.4 | 42.9 | 40.2 | 40.4 | 41.1 |
| Nicoll Drive (10), Bankfoot | 54.6 | 51.6 | 51.8 | 52.6 | 43.1 | 40.4 | 40.6 | 41.3 |
| Nicoll Drive (11), Bankfoot | 54.5 | 51.4 | 51.6 | 52.5 | 43.0 | 40.2 | 40.4 | 41.2 |
| Nicoll Drive (12), Bankfoot | 54.1 | 51.1 | 51.3 | 52.2 | 42.7 | 40.0 | 40.2 | 41.0 |
| Nicoll Drive (13), Bankfoot | 51.1 | 48.0 | 48.5 | 49.3 | 40.0 | 37.2 | 37.6 | 38.4 |
| Nicoll Drive (14), Bankfoot | 50.2 | 47.1 | 47.4 | 48.3 | 39.2 | 36.4 | 36.6 | 37.5 |
| Nicoll Drive (15), Bankfoot | 51.5 | 48.4 | 48.7 | 49.6 | 40.3 | 37.5 | 37.8 | 38.6 |
| Nicoll Drive (16), Bankfoot | 51.5 | 48.3 | 48.7 | 49.6 | 40.3 | 37.5 | 37.8 | 38.6 |
| Nicoll Drive (17), Bankfoot | 51.5 | 48.4 | 48.7 | 49.6 | 40.3 | 37.5 | 37.8 | 38.6 |
| Nicoll Drive (18), Bankfoot | 51.2 | 48.1 | 48.5 | 49.4 | 40.1 | 37.3 | 37.6 | 38.4 |
| Nicoll Drive (19), Bankfoot | 51.1 | 48.0 | 48.4 | 49.2 | 40.0 | 37.2 | 37.5 | 38.3 |
| Nicoll Drive (20), Bankfoot | 51.1 | 48.0 | 48.4 | 49.2 | 40.0 | 37.2 | 37.5 | 38.3 |
| Nicoll Drive (21), Bankfoot | 51.2 | 48.1 | 48.4 | 49.3 | 40.1 | 37.3 | 37.5 | 38.4 |
| Nicoll Drive (22), Bankfoot | 44.5 | 41.4 | 41.7 | 42.6 | 34.0 | 31.2 | 31.5 | 32.3 |
| Nicoll Drive (23), Bankfoot | 48.6 | 45.5 | 45.9 | 46.8 | 37.7 | 34.9 | 35.3 | 36.1 |
| Nicoll Drive (24), Bankfoot | 44.3 | 41.2 | 41.5 | 42.3 | 33.9 | 31.1 | 31.3 | 32.1 |
| Nicoll Drive (25), Bankfoot | 48.2 | 45.1 | 45.5 | 46.3 | 37.4 | 34.6 | 34.9 | 35.7 |
| Nicoll Drive (26), Bankfoot | 48.3 | 45.2 | 45.5 | 46.4 | 37.5 | 34.7 | 34.9 | 35.7 |
| Nicoll Drive (27), Bankfoot | 49.0 | 45.9 | 46.1 | 47.0 | 38.1 | 35.3 | 35.5 | 36.3 |
| Nicoll Drive (28), Bankfoot | 48.9 | 45.8 | 46.1 | 47.0 | 38.0 | 35.2 | 35.5 | 36.3 |
| Nicoll Drive (31), Bankfoot | 49.5 | 46.4 | 46.7 | 47.6 | 38.5 | 35.7 | 36.0 | 36.8 |
| Nicoll Drive (32), Bankfoot | 42.9 | 39.8 | 40.1 | 41.0 | 32.6 | 29.8 | 30.1 | 30.9 |
| Nicoll Drive (Auchmore), Bankfoot | 54.6 | 51.5 | 51.8 | 52.6 | 43.1 | 40.3 | 40.6 | 41.3 |
| Nicoll Drive (Creag Dubh), Bankfoot | 50.9 | 47.9 | 48.1 | 49.0 | 39.8 | 37.1 | 37.3 | 38.1 |
| Nicoll Drive (Glenburn), Bankfoot | 51.2 | 48.1 | 48.2 | 49.1 | 40.1 | 37.3 | 37.4 | 38.2 |
| Nicoll Drive (Greenview), Bankfoot | 53.4 | 50.4 | 50.7 | 51.6 | 42.0 | 39.3 | 39.6 | 40.4 |
| Nicoll Drive (Rumbling Kern), Bankfoot | 49.4 | 46.3 | 46.8 | 47.6 | 38.4 | 35.7 | 36.1 | 36.8 |
| Nicoll Drive (Sanmaree), Bankfoot | 49.1 | 45.9 | 46.3 | 47.2 | 38.2 | 35.3 | 35.7 | 36.5 |
| Nicoll Drive (Smithy House), Bankfoot | 54.9 | 51.9 | 52.1 | 53.0 | 43.4 | 40.7 | 40.9 | 41.7 |
| Nicoll Drive (Smithy), Bankfoot | 54.5 | 51.4 | 51.6 | 52.5 | 43.0 | 40.2 | 40.4 | 41.2 |
| Nicoll Drive (St Annes), Bankfoot | 49.8 | 46.6 | 46.8 | 47.7 | 38.8 | 35.9 | 36.1 | 36.9 |
| Nicoll Drive (St Emilion), Bankfoot | 48.6 | 45.6 | 46.0 | 46.9 | 37.7 | 35.0 | 35.4 | 36.2 |
| Nicoll Drive (The Bungalow), Bankfoot | 53.8 | 50.8 | 51.0 | 51.8 | 42.4 | 39.7 | 39.9 | 40.6 |
| Nicoll Drive (Tralee), Bankfoot | 51.5 | 48.4 | 48.6 | 49.5 | 40.3 | 37.5 | 37.7 | 38.5 |
| Nicoll Place (01), Bankfoot | 51.9 | 48.9 | 48.9 | 49.8 | 40.7 | 38.0 | 38.0 | 38.8 |
| Nicoll Place (02), Bankfoot | 54.0 | 50.9 | 50.8 | 51.7 | 42.6 | 39.8 | 39.7 | 40.5 |
| Nicoll Place (03), Bankfoot | 53.9 | 50.8 | 50.7 | 51.6 | 42.5 | 39.7 | 39.6 | 40.4 |
| Nicoll Place (04), Bankfoot | 56.3 | 53.3 | 53.2 | 54.1 | 44.7 | 42.0 | 41.9 | 42.7 |
| Nicoll Place (05), Bankfoot | 55.8 | 52.7 | 52.5 | 53.4 | 44.2 | 41.4 | 41.2 | 42.0 |
| Nicoll Place (06), Bankfoot | 49.5 | 46.4 | 46.7 | 47.6 | 38.5 | 35.7 | 36.0 | 36.8 |
| Nicoll Place (07), Bankfoot | 48.0 | 44.9 | 45.2 | 46.1 | 37.2 | 34.4 | 34.7 | 35.5 |
| Ordie Place, (01), Luncarty | 55.3 | 53.6 | 55.5 | 54.2 | 43.8 | 42.2 | 43.9 | 42.8 |
| Ordie Place, (02), Luncarty | 57.5 | 55.7 | 57.7 | 56.2 | 45.7 | 44.1 | 45.9 | 44.6 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|--|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Ordie Place, (03), Luncarty | 55.8 | 54.2 | 56.1 | 54.8 | 44.2 | 42.8 | 44.5 | 43.3 |
| Ordie Place, (04), Luncarty | 54.9 | 53.2 | 55.1 | 53.7 | 43.4 | 41.9 | 43.6 | 42.3 |
| Ordie Place, (05), Luncarty | 55.8 | 54.3 | 56.1 | 54.9 | 44.2 | 42.9 | 44.5 | 43.4 |
| Ordie Place, (06), Luncarty | 53.4 | 51.8 | 53.6 | 52.3 | 42.0 | 40.6 | 42.2 | 41.1 |
| Ordie Place, (07), Luncarty | 59.7 | 57.9 | 59.9 | 58.3 | 47.7 | 46.1 | 47.9 | 46.5 |
| Ordie Place, (08), Luncarty | 57.9 | 55.8 | 58.0 | 56.2 | 46.1 | 44.2 | 46.2 | 44.6 |
| Ordie Place, (09), Luncarty | 61.1 | 59.1 | 61.2 | 59.6 | 49.0 | 47.2 | 49.1 | 47.6 |
| Ordie Place, (10), Luncarty | 61.0 | 59.1 | 61.1 | 59.5 | 48.9 | 47.2 | 49.0 | 47.5 |
| Ordie Road (01), Luncarty | 47.6 | 45.7 | 47.7 | 46.2 | 36.8 | 35.1 | 36.9 | 35.6 |
| Ordie Road (02), Luncarty | 54.4 | 52.4 | 54.5 | 53.0 | 42.9 | 41.1 | 43.0 | 41.7 |
| Ordie Road (03), Luncarty | 57.8 | 55.4 | 57.8 | 55.8 | 46.0 | 43.8 | 46.0 | 44.2 |
| Ordie Road (04), Luncarty | 55.3 | 53.4 | 55.5 | 54.0 | 43.8 | 42.0 | 43.9 | 42.6 |
| Ordie Road (05), Luncarty | 58.2 | 55.9 | 58.2 | 56.3 | 46.4 | 44.3 | 46.4 | 44.7 |
| Ordie Road (06), Luncarty | 59.2 | 57.1 | 59.3 | 57.5 | 47.3 | 45.4 | 47.4 | 45.7 |
| Ordie Road (07), Luncarty | 58.2 | 55.9 | 58.2 | 56.3 | 46.4 | 44.3 | 46.4 | 44.7 |
| Ordie Road (08), Luncarty | 58.4 | 56.4 | 58.5 | 56.8 | 46.5 | 44.7 | 46.6 | 45.1 |
| Ordie Road (09), Luncarty | 58.9 | 56.6 | 58.9 | 56.9 | 47.0 | 44.9 | 47.0 | 45.2 |
| Ordie Road (10), Luncarty | 57.8 | 55.8 | 57.9 | 56.3 | 46.0 | 44.2 | 46.1 | 44.7 |
| Ordie Road (11), Luncarty | 61.1 | 59.0 | 61.2 | 59.5 | 49.0 | 47.1 | 49.1 | 47.5 |
| Ordie Road (12), Luncarty | 57.1 | 55.2 | 57.2 | 55.6 | 45.4 | 43.7 | 45.5 | 44.0 |
| Ordie Road (14), Luncarty | 58.2 | 56.2 | 58.3 | 56.6 | 46.4 | 44.6 | 46.5 | 44.9 |
| Perth Road (01), Bankfoot | 55.1 | 52.0 | 52.4 | 53.2 | 43.6 | 40.8 | 41.1 | 41.9 |
| Perth Road (02), Bankfoot | 57.0 | 53.9 | 54.2 | 55.0 | 45.3 | 42.5 | 42.8 | 43.5 |
| Perth Road (03), Bankfoot | 59.5 | 56.4 | 56.4 | 57.2 | 47.5 | 44.7 | 44.7 | 45.5 |
| Perth Road (04), Bankfoot | 59.3 | 56.2 | 56.6 | 57.5 | 47.4 | 44.6 | 44.9 | 45.7 |
| Perth Road (05), Bankfoot | 58.8 | 55.8 | 56.3 | 57.1 | 46.9 | 44.2 | 44.7 | 45.4 |
| Perth Road (06), Bankfoot | 58.5 | 55.6 | 55.8 | 56.7 | 46.6 | 44.0 | 44.2 | 45.0 |
| Perth Road (07), Bankfoot | 60.2 | 57.4 | 57.7 | 58.5 | 48.2 | 45.6 | 45.9 | 46.6 |
| Perth Road (08), Bankfoot | 61.4 | 58.7 | 58.7 | 59.5 | 49.2 | 46.8 | 46.8 | 47.5 |
| Perth Road (09), Bankfoot | 63.1 | 60.4 | 60.1 | 60.9 | 50.8 | 48.3 | 48.1 | 48.8 |
| Perth Road (10), Bankfoot | 61.3 | 58.7 | 58.9 | 59.7 | 49.2 | 46.8 | 47.0 | 47.7 |
| Perth Road (11), Bankfoot | 64.8 | 64.2 | 63.9 | 64.6 | 52.3 | 51.8 | 51.5 | 52.1 |
| Perth Road (Dornoch), Bankfoot | 63.0 | 61.7 | 61.6 | 61.6 | 50.7 | 49.5 | 49.4 | 49.4 |
| Perth Road (Glendale), Bankfoot | 63.9 | 62.5 | 62.4 | 62.5 | 51.5 | 50.2 | 50.1 | 50.2 |
| Perth Road (Hillview), Bankfoot | 62.2 | 61.0 | 60.9 | 61.5 | 50.0 | 48.9 | 48.8 | 49.3 |
| Perth Road (Hilton Bungalow), Bankfoot | 67.7 | 64.7 | 62.8 | 63.6 | 54.9 | 52.2 | 50.5 | 51.2 |
| Perth Road (Hilton Cottage), Bankfoot | 65.7 | 62.6 | 61.3 | 62.1 | 53.1 | 50.3 | 49.2 | 49.9 |
| Perth Road (Laudia), Bankfoot | 63.3 | 61.1 | 60.6 | 61.3 | 51.0 | 49.0 | 48.5 | 49.2 |
| Perth Road (Lower Gauls 01), Bankfoot | 65.4 | 64.8 | 64.5 | 64.3 | 52.8 | 52.3 | 52.0 | 51.9 |
| Perth Road (Lyndale), Bankfoot | 62.2 | 59.5 | 59.3 | 60.1 | 50.0 | 47.5 | 47.4 | 48.1 |
| Perth Road (Marloch), Bankfoot | 62.9 | 61.3 | 61.2 | 61.3 | 50.6 | 49.2 | 49.1 | 49.2 |
| Perth Road (Moorehead Cottage), Bankfoot | 63.1 | 60.2 | 59.9 | 60.8 | 50.8 | 48.2 | 47.9 | 48.7 |
| Perth Road (Parkside), Bankfoot | 63.4 | 62.2 | 62.0 | 62.0 | 51.0 | 50.0 | 49.8 | 49.8 |
| Perth Road (Tiwi), Bankfoot | 62.3 | 61.5 | 61.3 | 61.8 | 50.1 | 49.3 | 49.2 | 49.6 |
| Perth Road (Upper Gauls 01), Bankfoot | 60.3 | 58.5 | 58.5 | 58.8 | 48.3 | 46.6 | 46.6 | 46.9 |
| Perth Road (Upper Gauls 04), Bankfoot | 63.5 | 62.5 | 62.3 | 62.6 | 51.1 | 50.2 | 50.1 | 50.3 |
| Perth Road (Westfield), Bankfoot | 62.0 | 61.1 | 60.9 | 61.5 | 49.8 | 49.0 | 48.8 | 49.3 |
| Planton Square (01), Luncarty | 61.4 | 61.7 | 61.4 | 61.8 | 49.2 | 49.5 | 49.2 | 49.6 |
| Planton Square (02), Luncarty | 59.9 | 60.2 | 60.0 | 60.4 | 47.9 | 48.2 | 48.0 | 48.3 |
| Planton Square (03), Luncarty | 57.9 | 58.2 | 58.0 | 58.4 | 46.1 | 46.4 | 46.2 | 46.5 |
| Planton Square (04), Luncarty | 56.4 | 56.7 | 56.5 | 57.0 | 44.7 | 45.0 | 44.8 | 45.3 |
| Planton Square (05), Luncarty | 54.3 | 54.3 | 54.5 | 54.6 | 42.9 | 42.9 | 43.0 | 43.1 |
| Planton Square (06), Luncarty | 54.2 | 54.1 | 54.3 | 54.4 | 42.8 | 42.7 | 42.9 | 42.9 |
| Planton Square (07), Luncarty | 54.1 | 54.0 | 54.2 | 54.3 | 42.7 | 42.6 | 42.8 | 42.9 |
| Planton Square (08), Luncarty | 53.8 | 53.7 | 53.9 | 54.0 | 42.4 | 42.3 | 42.5 | 42.6 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Planton Square (09), Luncarty | 53.5 | 53.4 | 53.7 | 53.7 | 42.1 | 42.0 | 42.3 | 42.3 |
| Planton Square (10), Luncarty | 51.2 | 51.3 | 51.4 | 51.7 | 40.1 | 40.2 | 40.2 | 40.5 |
| Planton Square (11), Luncarty | 52.1 | 52.3 | 52.4 | 52.7 | 40.9 | 41.1 | 41.1 | 41.4 |
| Planton Square (12), Luncarty | 52.6 | 52.6 | 52.9 | 53.1 | 41.3 | 41.3 | 41.6 | 41.8 |
| Prieston Road (01), Bankfoot | 45.9 | 42.8 | 43.2 | 44.1 | 35.3 | 32.5 | 32.9 | 33.7 |
| Prieston Road (02), Bankfoot | 46.1 | 43.0 | 43.3 | 44.2 | 35.5 | 32.7 | 33.0 | 33.8 |
| Prieston Road (03), Bankfoot | 46.4 | 43.2 | 43.6 | 44.5 | 35.7 | 32.9 | 33.2 | 34.0 |
| Prieston Road (04), Bankfoot | 50.3 | 47.3 | 47.6 | 48.5 | 39.3 | 36.6 | 36.8 | 37.6 |
| Prieston Road (06), Bankfoot | 44.3 | 41.2 | 41.7 | 42.5 | 33.9 | 31.1 | 31.5 | 32.2 |
| Prieston Road (07), Bankfoot | 44.5 | 41.4 | 41.9 | 42.7 | 34.0 | 31.2 | 31.7 | 32.4 |
| Prieston Road (08), Bankfoot | 44.9 | 41.7 | 42.2 | 43.1 | 34.4 | 31.5 | 32.0 | 32.8 |
| Prieston Road (09), Bankfoot | 44.7 | 41.6 | 42.0 | 42.9 | 34.2 | 31.4 | 31.8 | 32.6 |
| Prieston Road (10), Bankfoot | 44.9 | 41.8 | 42.2 | 43.1 | 34.4 | 31.6 | 32.0 | 32.8 |
| Prieston Road (11), Bankfoot | 45.1 | 41.9 | 42.3 | 43.2 | 34.6 | 31.7 | 32.1 | 32.9 |
| Prieston Road (12), Bankfoot | 45.2 | 42.1 | 42.5 | 43.4 | 34.7 | 31.9 | 32.2 | 33.0 |
| Prieston Road (14), Bankfoot | 46.0 | 42.9 | 43.3 | 44.1 | 35.4 | 32.6 | 33.0 | 33.7 |
| Prieston Road (15), Bankfoot | 45.6 | 42.5 | 42.9 | 43.8 | 35.0 | 32.2 | 32.6 | 33.4 |
| Prieston Road (16), Bankfoot | 48.6 | 45.5 | 45.8 | 46.7 | 37.7 | 34.9 | 35.2 | 36.0 |
| Prieston Road (17), Bankfoot | 46.0 | 42.9 | 43.3 | 44.1 | 35.4 | 32.6 | 33.0 | 33.7 |
| Prieston Road (18), Bankfoot | 45.9 | 42.8 | 43.2 | 44.1 | 35.3 | 32.5 | 32.9 | 33.7 |
| Prieston Road (19), Bankfoot | 46.1 | 43.0 | 43.3 | 44.2 | 35.5 | 32.7 | 33.0 | 33.8 |
| Prieston Road (20), Bankfoot | 50.4 | 47.3 | 47.4 | 48.3 | 39.3 | 36.6 | 36.6 | 37.5 |
| Prieston Road (Argyll Cottage), Bankfoot | 50.2 | 47.2 | 47.3 | 48.2 | 39.2 | 36.5 | 36.6 | 37.4 |
| Prieston Road (Ballagowan), Bankfoot | 50.2 | 47.1 | 47.6 | 48.5 | 39.2 | 36.4 | 36.8 | 37.6 |
| Prieston Road (Bridgend Cottage), Bankfoot | 51.1 | 48.0 | 48.1 | 49.0 | 40.0 | 37.2 | 37.3 | 38.1 |
| Prieston Road (Cargil Cottage(1)), Bankfoot | 50.7 | 47.7 | 47.8 | 48.7 | 39.6 | 36.9 | 37.0 | 37.8 |
| Prieston Road (Cedar House), Bankfoot | 49.0 | 46.0 | 46.3 | 47.2 | 38.1 | 35.4 | 35.7 | 36.5 |
| Prieston Road (Dullater), Bankfoot | 48.0 | 44.9 | 45.3 | 46.2 | 37.2 | 34.4 | 34.8 | 35.6 |
| Prieston Road (Failte), Bankfoot | 49.2 | 46.2 | 46.6 | 47.5 | 38.3 | 35.6 | 35.9 | 36.7 |
| Prieston Road (Gowanlea), Bankfoot | 50.5 | 47.4 | 47.9 | 48.7 | 39.4 | 36.6 | 37.1 | 37.8 |
| Prieston Road (Ivy Cottage), Bankfoot | 48.5 | 45.4 | 45.7 | 46.6 | 37.6 | 34.8 | 35.1 | 35.9 |
| Prieston Road (Mellerstain), Bankfoot | 50.4 | 47.3 | 47.7 | 48.6 | 39.3 | 36.6 | 36.9 | 37.7 |
| Prieston Road (Ochillview), Bankfoot | 50.9 | 47.8 | 48.1 | 49.0 | 39.8 | 37.0 | 37.3 | 38.1 |
| Prieston Road (Ochtergaen), Bankfoot | 48.8 | 45.8 | 46.1 | 47.0 | 37.9 | 35.2 | 35.5 | 36.3 |
| Prieston Road (Park View), Bankfoot | 48.7 | 45.6 | 45.9 | 46.8 | 37.8 | 35.0 | 35.3 | 36.1 |
| Prieston Road (Prieston Villa), Bankfoot | 50.7 | 47.7 | 48.0 | 48.9 | 39.6 | 36.9 | 37.2 | 38.0 |
| Prieston Road (Rannoch Kilbride), Bankfoot | 49.0 | 45.9 | 46.4 | 47.3 | 38.1 | 35.3 | 35.7 | 36.6 |
| Prieston Road (Rose Cottage), Bankfoot | 48.7 | 45.6 | 46.0 | 46.9 | 37.8 | 35.0 | 35.4 | 36.2 |
| Prieston Road (South View), Bankfoot | 51.0 | 47.9 | 48.4 | 49.2 | 39.9 | 37.1 | 37.5 | 38.3 |
| Prieston Road (The Cottage), Bankfoot | 47.5 | 44.5 | 44.8 | 45.6 | 36.7 | 34.0 | 34.3 | 35.0 |
| Prieston Road (The Neuk), Bankfoot | 50.3 | 47.2 | 47.6 | 48.4 | 39.3 | 36.5 | 36.8 | 37.5 |
| Prieston Road (The Quilts), Bankfoot | 47.1 | 44.1 | 44.4 | 45.2 | 36.4 | 33.7 | 33.9 | 34.7 |
| Prieston Road (The Retreat), Bankfoot | 48.8 | 45.7 | 46.0 | 46.9 | 37.9 | 35.1 | 35.4 | 36.2 |
| Private Lane (Allansfield House), Luncarty | 58.9 | 57.1 | 59.1 | 57.6 | 47.0 | 45.4 | 47.2 | 45.8 |
| Private Lane (Battleby Farm), Luncarty | 55.2 | 53.2 | 55.3 | 53.7 | 43.7 | 41.9 | 43.8 | 42.3 |
| Private Lane (Sevendle), Luncarty | 56.7 | 54.8 | 56.8 | 55.4 | 45.0 | 43.3 | 45.1 | 43.8 |
| Private Lane (Unknown Property), Luncarty | 53.8 | 51.6 | 53.8 | 52.0 | 42.4 | 40.4 | 42.4 | 40.8 |
| Sandeman Place (01), Luncarty | 48.2 | 46.8 | 48.4 | 47.3 | 37.4 | 36.1 | 37.5 | 36.6 |
| Sandeman Place (02), Luncarty | 47.6 | 46.3 | 47.8 | 46.8 | 36.8 | 35.7 | 37.0 | 36.1 |
| Sandeman Place (03), Luncarty | 47.9 | 46.5 | 48.1 | 47.1 | 37.1 | 35.8 | 37.3 | 36.4 |
| Sandeman Place (04), Luncarty | 48.1 | 46.7 | 48.2 | 47.2 | 37.3 | 36.0 | 37.4 | 36.5 |
| Sandeman Place (05), Luncarty | 48.0 | 46.7 | 48.2 | 47.2 | 37.2 | 36.0 | 37.4 | 36.5 |
| Sandeman Place (06), Luncarty | 48.2 | 46.9 | 48.4 | 47.4 | 37.4 | 36.2 | 37.5 | 36.6 |
| Sandeman Place (07), Luncarty | 46.7 | 45.7 | 46.9 | 46.3 | 36.0 | 35.1 | 36.2 | 35.7 |
| Sandeman Place (08), Luncarty | 45.5 | 44.8 | 45.8 | 45.5 | 34.9 | 34.3 | 35.2 | 34.9 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Sandeman Place (09), Luncarty | 46.5 | 45.7 | 46.8 | 46.3 | 35.8 | 35.1 | 36.1 | 35.7 |
| Sandeman Place (10), Luncarty | 46.4 | 45.4 | 46.6 | 46.0 | 35.7 | 34.8 | 35.9 | 35.4 |
| Sandeman Place (11), Luncarty | 47.4 | 46.2 | 47.5 | 46.7 | 36.6 | 35.6 | 36.7 | 36.0 |
| Sandeman Place (12), Luncarty | 47.8 | 46.5 | 48.0 | 47.0 | 37.0 | 35.8 | 37.2 | 36.3 |
| Sandeman Place (13), Luncarty | 48.3 | 46.9 | 48.5 | 47.4 | 37.5 | 36.2 | 37.6 | 36.6 |
| Sandeman Place (14), Luncarty | 48.3 | 47.0 | 48.5 | 47.4 | 37.5 | 36.3 | 37.6 | 36.6 |
| Sandeman Place (15), Luncarty | 47.6 | 46.2 | 47.8 | 46.7 | 36.8 | 35.6 | 37.0 | 36.0 |
| Sandeman Place (16), Luncarty | 47.3 | 45.8 | 47.5 | 46.3 | 36.6 | 35.2 | 36.7 | 35.7 |
| Sandeman Place (17), Luncarty | 47.3 | 45.7 | 47.5 | 46.2 | 36.6 | 35.1 | 36.7 | 35.6 |
| Scarth Road (Ashwood), Luncarty | 58.8 | 56.9 | 59.0 | 57.5 | 46.9 | 45.2 | 47.1 | 45.7 |
| Scarth Road (Glengary), Luncarty | 59.4 | 57.6 | 59.6 | 58.1 | 47.4 | 45.8 | 47.6 | 46.3 |
| Scarth Road (Graymor), Luncarty | 60.4 | 58.7 | 60.6 | 59.3 | 48.3 | 46.8 | 48.5 | 47.4 |
| Scarth Road (Grianan), Luncarty | 62.7 | 61.8 | 63.1 | 62.3 | 50.4 | 49.6 | 50.8 | 50.1 |
| Scarth Road (Lor-Nor), Luncarty | 54.8 | 53.0 | 55.0 | 53.5 | 43.3 | 41.7 | 43.5 | 42.1 |
| Scarth Road, (01), Luncarty | 57.4 | 55.4 | 57.6 | 56.0 | 45.6 | 43.8 | 45.8 | 44.4 |
| Scarth Road, (02), Luncarty | 58.4 | 56.3 | 58.5 | 56.8 | 46.5 | 44.7 | 46.6 | 45.1 |
| Scarth Road, (03), Luncarty | 57.7 | 55.6 | 57.8 | 56.1 | 45.9 | 44.0 | 46.0 | 44.5 |
| Scarth Road, (04), Luncarty | 57.4 | 55.5 | 57.4 | 55.9 | 45.6 | 43.9 | 45.6 | 44.3 |
| Scarth Road, (05), Luncarty | 59.3 | 57.2 | 59.3 | 57.6 | 47.4 | 45.5 | 47.4 | 45.8 |
| Scarth Road, (06), Luncarty | 60.0 | 58.5 | 60.1 | 58.8 | 48.0 | 46.6 | 48.1 | 46.9 |
| Smith's Brae (Atholl View), Bankfoot | 45.8 | 42.6 | 42.9 | 43.7 | 35.2 | 32.3 | 32.6 | 33.3 |
| Smith's Brae (Clach-Ard), Bankfoot | 47.3 | 44.2 | 44.4 | 45.3 | 36.6 | 33.8 | 33.9 | 34.8 |
| Smith's Brae (Glengarr), Bankfoot | 47.4 | 44.3 | 44.6 | 45.5 | 36.6 | 33.9 | 34.1 | 34.9 |
| Smith's Brae (Middlebank), Bankfoot | 48.8 | 45.7 | 46.1 | 47.0 | 37.9 | 35.1 | 35.5 | 36.3 |
| Smith's Brae (Viewfield), Bankfoot | 44.5 | 41.6 | 41.9 | 42.7 | 34.0 | 31.4 | 31.7 | 32.4 |
| Taypark Road (01), Luncarty | 46.1 | 45.8 | 46.6 | 46.8 | 35.5 | 35.2 | 35.9 | 36.1 |
| Taypark Road (02), Luncarty | 43.9 | 43.4 | 44.4 | 44.2 | 33.5 | 33.0 | 33.9 | 33.8 |
| Taypark Road (03), Luncarty | 44.1 | 43.5 | 44.4 | 44.2 | 33.7 | 33.1 | 33.9 | 33.8 |
| Taypark Road (04), Luncarty | 43.5 | 42.8 | 43.8 | 43.6 | 33.1 | 32.5 | 33.4 | 33.2 |
| Taypark Road (05), Luncarty | 44.2 | 43.7 | 44.6 | 44.5 | 33.8 | 33.3 | 34.1 | 34.0 |
| Taypark Road (07), Luncarty | 44.6 | 44.2 | 45.1 | 45.2 | 34.1 | 33.8 | 34.6 | 34.7 |
| Taypark Road (09), Luncarty | 44.9 | 44.6 | 45.5 | 45.6 | 34.4 | 34.1 | 34.9 | 35.0 |
| Taypark Road (11), Luncarty | 45.0 | 44.7 | 45.5 | 45.7 | 34.5 | 34.2 | 34.9 | 35.1 |
| Taypark Road (15), Luncarty | 44.8 | 44.5 | 45.4 | 45.5 | 34.3 | 34.0 | 34.8 | 34.9 |
| Taypark Road (17), Luncarty | 44.0 | 43.4 | 44.5 | 44.4 | 33.6 | 33.0 | 34.0 | 33.9 |
| The Crescent (14), Luncarty | 44.9 | 44.5 | 45.6 | 45.7 | 34.4 | 34.0 | 35.0 | 35.1 |
| The Crescent (16), Luncarty | 45.0 | 44.6 | 45.7 | 45.8 | 34.5 | 34.1 | 35.1 | 35.2 |
| The Crescent (18), Luncarty | 44.9 | 44.5 | 45.6 | 45.7 | 34.4 | 34.0 | 35.0 | 35.1 |
| The Crescent (19), Luncarty | 45.0 | 44.6 | 45.6 | 45.7 | 34.5 | 34.1 | 35.0 | 35.1 |
| The Crescent (20), Luncarty | 44.9 | 44.5 | 45.5 | 45.6 | 34.4 | 34.0 | 34.9 | 35.0 |
| The Crescent (22), Luncarty | 44.8 | 44.5 | 45.5 | 45.6 | 34.3 | 34.0 | 34.9 | 35.0 |
| The Crescent (24), Luncarty | 44.9 | 44.5 | 45.5 | 45.7 | 34.4 | 34.0 | 34.9 | 35.1 |
| The Crescent (26), Luncarty | 44.8 | 44.5 | 45.5 | 45.6 | 34.3 | 34.0 | 34.9 | 35.0 |
| The Crescent (27), Luncarty | 44.6 | 44.1 | 45.1 | 45.2 | 34.1 | 33.7 | 34.6 | 34.7 |
| The Crescent (28), Luncarty | 44.5 | 44.1 | 45.0 | 45.1 | 34.0 | 33.7 | 34.5 | 34.6 |
| The Crescent (29), Luncarty | 44.6 | 44.1 | 45.0 | 45.1 | 34.1 | 33.7 | 34.5 | 34.6 |
| The Crescent (30), Luncarty | 44.7 | 44.2 | 45.1 | 45.2 | 34.2 | 33.8 | 34.6 | 34.7 |
| The Crescent (31), Luncarty | 44.7 | 44.3 | 45.2 | 45.3 | 34.2 | 33.9 | 34.7 | 34.8 |
| The Crescent (32), Luncarty | 44.6 | 44.2 | 45.1 | 45.2 | 34.1 | 33.8 | 34.6 | 34.7 |
| The Crescent (33), Luncarty | 44.3 | 44.0 | 44.8 | 45.0 | 33.9 | 33.6 | 34.3 | 34.5 |
| The Crescent (34), Luncarty | 44.4 | 44.0 | 44.8 | 45.0 | 33.9 | 33.6 | 34.3 | 34.5 |
| The Crescent (35), Luncarty | 44.5 | 44.1 | 44.9 | 45.1 | 34.0 | 33.7 | 34.4 | 34.6 |
| The Crescent (36), Luncarty | 45.9 | 45.7 | 46.5 | 46.9 | 35.3 | 35.1 | 35.8 | 36.2 |
| The Crescent (Drummonds Haugh 01), Luncarty | 45.2 | 45.2 | 45.8 | 46.3 | 34.7 | 34.7 | 35.2 | 35.7 |
| The Crescent (Drummonds Haugh 02), Luncarty | 44.6 | 44.3 | 45.2 | 45.5 | 34.1 | 33.9 | 34.7 | 34.9 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Unknown Road (Ashlea), Luncarty | 52.9 | 50.5 | 52.9 | 50.8 | 41.6 | 39.4 | 41.6 | 39.7 |
| Unknown Road (Beechcroft), Luncarty | 56.6 | 54.0 | 56.6 | 54.3 | 44.9 | 42.6 | 44.9 | 42.9 |
| Unknown Road (Birchfield), Luncarty | 53.4 | 51.1 | 53.5 | 51.5 | 42.0 | 40.0 | 42.1 | 40.3 |
| Unknown Road (Bruce Cottage), Bankfoot | 63.2 | 60.0 | 63.1 | 60.6 | 50.9 | 48.0 | 50.8 | 48.5 |
| Unknown Road (Burnside), Luncarty | 52.0 | 49.7 | 52.1 | 50.1 | 40.8 | 38.7 | 40.9 | 39.1 |
| Unknown Road (Cairnleigh), Luncarty | 55.5 | 52.9 | 55.5 | 53.2 | 43.9 | 41.6 | 43.9 | 41.9 |
| Unknown Road (Colryden Lodge), Bankfoot | 60.1 | 56.9 | 60.1 | 57.5 | 48.1 | 45.2 | 48.1 | 45.7 |
| Unknown Road (Cranmore Cottage), Bankfoot | 63.7 | 60.5 | 63.7 | 61.1 | 51.3 | 48.4 | 51.3 | 49.0 |
| Unknown Road (Fernbank), Luncarty | 58.2 | 55.5 | 58.3 | 55.9 | 46.4 | 43.9 | 46.5 | 44.3 |
| Unknown Road (Fourmilehouse), Luncarty | 67.3 | 64.3 | 67.3 | 64.6 | 54.6 | 51.9 | 54.6 | 52.1 |
| Unknown Road (Garden Cottage), Bankfoot | 62.1 | 58.9 | 62.1 | 59.5 | 49.9 | 47.0 | 49.9 | 47.5 |
| Unknown Road (Garden House), Bankfoot | 67.2 | 64.1 | 67.3 | 64.7 | 54.5 | 51.7 | 54.6 | 52.2 |
| Unknown Road (Gelly), Bankfoot | 58.4 | 55.2 | 55.3 | 56.1 | 46.5 | 43.7 | 43.8 | 44.5 |
| Unknown Road (Glenbervie), Luncarty | 54.4 | 51.9 | 54.4 | 52.4 | 42.9 | 40.7 | 42.9 | 41.1 |
| Unknown Road (Hillcrest), Luncarty | 61.6 | 58.7 | 61.7 | 59.0 | 49.4 | 46.8 | 49.5 | 47.1 |
| Unknown Road (Hillview), Luncarty | 54.3 | 51.8 | 54.3 | 52.2 | 42.9 | 40.6 | 42.9 | 41.0 |
| Unknown Road (Kavos), Luncarty | 59.2 | 56.4 | 59.2 | 56.7 | 47.3 | 44.7 | 47.3 | 45.0 |
| Unknown Road (Kingswood), Bankfoot | 57.9 | 54.7 | 57.8 | 55.3 | 46.1 | 43.2 | 46.0 | 43.8 |
| Unknown Road (Kirkhill Cottages 01), Luncarty | 56.9 | 54.3 | 56.9 | 54.7 | 45.2 | 42.9 | 45.2 | 43.2 |
| Unknown Road (Kirkhill Cottages 02), Luncarty | 57.1 | 54.5 | 57.1 | 54.9 | 45.4 | 43.0 | 45.4 | 43.4 |
| Unknown Road (Mcalpin Cottage), Bankfoot | 61.3 | 58.2 | 61.4 | 58.8 | 49.2 | 46.4 | 49.2 | 46.9 |
| Unknown Road (North Railway Cottage), Luncarty | 67.2 | 64.1 | 67.2 | 64.4 | 54.5 | 51.7 | 54.5 | 51.9 |
| Unknown Road (Oakdene), Luncarty | 53.0 | 50.5 | 53.0 | 50.9 | 41.7 | 39.4 | 41.7 | 39.8 |
| Unknown Road (Rowanlea), Luncarty | 57.1 | 54.5 | 57.1 | 54.8 | 45.4 | 43.0 | 45.4 | 43.3 |
| Unknown Road (south of Kennels), Bankfoot | 53.1 | 50.0 | 52.8 | 50.6 | 41.8 | 39.0 | 41.5 | 39.5 |
| Unknown Road (South Railway Cottage), Luncarty | 66.9 | 63.8 | 66.9 | 64.1 | 54.2 | 51.4 | 54.2 | 51.7 |
| Unknown Road (Stuart Cottage), Bankfoot | 58.0 | 54.8 | 57.8 | 55.5 | 46.2 | 43.3 | 46.0 | 43.9 |
| Unknown Road (The Cottage), Luncarty | 51.0 | 48.6 | 51.0 | 49.0 | 39.9 | 37.7 | 39.9 | 38.1 |
| Unknown Road (The Old Water Tower), Luncarty | 56.1 | 53.6 | 56.2 | 53.9 | 44.5 | 42.2 | 44.6 | 42.5 |
| Unknown Road (The Paddocks 01), Luncarty | 62.3 | 59.3 | 62.3 | 59.6 | 50.1 | 47.4 | 50.1 | 47.6 |
| Unknown Road (The Paddocks 02), Luncarty | 63.9 | 60.7 | 63.9 | 61.0 | 51.5 | 48.6 | 51.5 | 48.9 |
| Unknown Road (Viewfield), Luncarty | 51.5 | 49.1 | 51.6 | 49.5 | 40.3 | 38.2 | 40.4 | 38.5 |
| Unknown Road (Woodside), Bankfoot | 57.0 | 53.8 | 56.9 | 54.5 | 45.3 | 42.4 | 45.2 | 43.0 |
| Unknown Road, (Ardonachie), Bankfoot | 53.4 | 50.4 | 50.8 | 51.6 | 42.0 | 39.3 | 39.7 | 40.4 |
| Unknown Road, (Atholl Cottage), Luncarty | 58.2 | 57.9 | 57.8 | 58.6 | 46.4 | 46.1 | 46.0 | 46.7 |
| Unknown Road, (Broompark Cottage), Bankfoot | 64.0 | 60.8 | 59.1 | 60.0 | 51.6 | 48.7 | 46.9 | 47.7 |
| Unknown Road, (Dairy Cottage), Stanley | 50.6 | 48.1 | 48.7 | 49.5 | 39.5 | 37.3 | 37.8 | 38.5 |
| Unknown Road, (Den Cottage), Bankfoot | 54.3 | 51.2 | 51.9 | 52.7 | 42.9 | 40.1 | 40.7 | 41.4 |
| Unknown Road, (Ferniehill House), Stanley | 50.0 | 47.5 | 47.7 | 48.5 | 39.0 | 36.7 | 36.9 | 37.6 |
| Unknown Road, (Newmill Cottages 01), Stanley | 53.6 | 51.3 | 50.9 | 51.7 | 42.2 | 40.2 | 39.8 | 40.5 |
| Unknown Road, (Newmill Cottages 02), Stanley | 51.8 | 49.8 | 49.3 | 50.1 | 40.6 | 38.8 | 38.4 | 39.1 |
| Unknown Road, (North Barns), Bankfoot | 49.7 | 46.6 | 47.2 | 48.0 | 38.7 | 35.9 | 36.5 | 37.2 |
| Unknown Road, (Ordiebank), Luncarty | 57.7 | 57.7 | 57.3 | 58.1 | 45.9 | 45.9 | 45.6 | 46.3 |
| Unknown Road, (Over Benchil Farm Cottage), Stanley | 48.7 | 46.0 | 46.3 | 47.1 | 37.8 | 35.4 | 35.7 | 36.4 |
| Unknown Road, (Over Benchil Farm), Stanley | 49.3 | 47.0 | 47.3 | 48.1 | 38.4 | 36.3 | 36.6 | 37.3 |
| Unknown Road, (South Barns), Bankfoot | 49.5 | 46.4 | 46.9 | 47.7 | 38.5 | 35.7 | 36.2 | 36.9 |
| Unknown Road, (Tophead), Stanley | 53.6 | 51.1 | 51.7 | 52.5 | 42.2 | 40.0 | 40.5 | 41.2 |
| Unknown Road, (Windyedge), Bankfoot | 48.3 | 45.3 | 45.7 | 46.5 | 37.5 | 34.8 | 35.1 | 35.8 |
| Unknown Road, (Woodside House), Stanley | 50.6 | 47.9 | 48.6 | 49.4 | 39.5 | 37.1 | 37.7 | 38.4 |
| Unknown Road, The Farmholuse (01), East Nether Bleloc, Bankfoot | 54.4 | 51.5 | 52.1 | 52.9 | 42.9 | 40.3 | 40.9 | 41.6 |
| Unknown Road, The Farmholuse (02), East Nether Bleloc, Bankfoot | 52.4 | 49.5 | 50.1 | 50.9 | 41.1 | 38.5 | 39.1 | 39.8 |
| Unknown Road, The Farmholuse (03), East Nether | 50.4 | 47.5 | 48.2 | 49.0 | 39.3 | 36.7 | 37.4 | 38.1 |

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Bleloc, Bankfoot | | | | | | | | |
| Unknown Road, The Farmholuse (04), East Nether Bleloc, Bankfoot | 51.4 | 48.4 | 48.9 | 49.7 | 40.2 | 37.5 | 38.0 | 38.7 |
| Unknown Road, The Farmholuse (05), East Nether Bleloc, Bankfoot | 49.2 | 46.2 | 46.9 | 47.7 | 38.3 | 35.6 | 36.2 | 36.9 |
| Unknown Road, The Farmholuse (06), East Nether Bleloc, Bankfoot | 50.6 | 47.6 | 48.3 | 49.1 | 39.5 | 36.8 | 37.5 | 38.2 |
| Unknown Road, The Farmholuse (07), East Nether Bleloc, Bankfoot | 54.4 | 51.5 | 52.1 | 52.9 | 42.9 | 40.3 | 40.9 | 41.6 |
| Unknown Road, Victoria Cottages (01), Luncarty | 47.1 | 45.4 | 47.2 | 45.9 | 36.4 | 34.8 | 36.5 | 35.3 |
| Westfield (01), Luncarty | 61.1 | 60.0 | 61.5 | 60.7 | 49.0 | 48.0 | 49.3 | 48.6 |
| Westfield (02), Luncarty | 66.5 | 66.5 | 66.6 | 66.6 | 53.8 | 53.8 | 53.9 | 53.9 |
| Westfield (03), Luncarty | 61.1 | 60.1 | 61.6 | 60.8 | 49.0 | 48.1 | 49.4 | 48.7 |
| Westfield (04), Luncarty | 61.4 | 61.5 | 61.4 | 61.7 | 49.2 | 49.3 | 49.2 | 49.5 |
| Westfield (05), Luncarty | 59.5 | 58.9 | 60.1 | 59.4 | 47.5 | 47.0 | 48.1 | 47.4 |
| Westfield (06), Luncarty | 63.1 | 63.2 | 63.1 | 63.3 | 50.8 | 50.9 | 50.8 | 51.0 |
| Westfield (07), Luncarty | 55.8 | 55.4 | 55.9 | 55.7 | 44.2 | 43.8 | 44.3 | 44.1 |
| Westfield (08), Luncarty | 63.6 | 63.7 | 63.6 | 63.7 | 51.2 | 51.3 | 51.2 | 51.3 |
| Westfield (09), Luncarty | 54.8 | 54.3 | 54.9 | 54.6 | 43.3 | 42.9 | 43.4 | 43.1 |
| Westfield (10), Luncarty | 63.7 | 63.8 | 63.6 | 64.0 | 51.3 | 51.4 | 51.2 | 51.6 |
| Westfield (11), Luncarty | 54.3 | 53.7 | 54.4 | 54.0 | 42.9 | 42.3 | 42.9 | 42.6 |
| Westfield (12), Luncarty | 63.7 | 63.9 | 63.7 | 64.0 | 51.3 | 51.5 | 51.3 | 51.6 |
| Westfield (13), Luncarty | 54.4 | 53.7 | 54.4 | 54.0 | 42.9 | 42.3 | 42.9 | 42.6 |
| Westfield (14), Luncarty | 63.7 | 63.9 | 63.7 | 64.0 | 51.3 | 51.5 | 51.3 | 51.6 |
| Westfield (15), Luncarty | 55.2 | 54.6 | 55.6 | 55.0 | 43.7 | 43.1 | 44.0 | 43.5 |
| Westfield (16), Luncarty | 64.2 | 64.4 | 64.2 | 64.5 | 51.8 | 51.9 | 51.8 | 52.0 |
| Westfield (17), Luncarty | 55.6 | 54.8 | 55.7 | 55.2 | 44.0 | 43.3 | 44.1 | 43.7 |
| Westfield (18), Luncarty | 66.2 | 66.4 | 66.2 | 66.5 | 53.6 | 53.7 | 53.6 | 53.8 |
| Westfield (19), Luncarty | 55.4 | 54.6 | 55.5 | 54.9 | 43.8 | 43.1 | 43.9 | 43.4 |
| Westfield (20), Luncarty | 67.5 | 67.7 | 67.5 | 67.8 | 54.7 | 54.9 | 54.7 | 55.0 |
| Westfield (21), Luncarty | 55.2 | 54.3 | 55.3 | 54.6 | 43.7 | 42.9 | 43.8 | 43.1 |
| Westfield (22), Luncarty | 65.5 | 65.7 | 65.5 | 65.8 | 52.9 | 53.1 | 52.9 | 53.2 |
| Westfield (23), Luncarty | 55.0 | 54.0 | 55.1 | 54.3 | 43.5 | 42.6 | 43.6 | 42.9 |
| Westfield (24), Luncarty | 68.0 | 68.2 | 68.0 | 68.3 | 55.2 | 55.4 | 55.2 | 55.5 |
| Westfield (25), Luncarty | 56.2 | 55.2 | 56.3 | 55.5 | 44.6 | 43.7 | 44.7 | 43.9 |
| Westfield (26), Luncarty | 66.2 | 66.5 | 66.3 | 66.6 | 53.6 | 53.8 | 53.7 | 53.9 |
| Westfield (27), Luncarty | 56.7 | 55.7 | 56.8 | 56.0 | 45.0 | 44.1 | 45.1 | 44.4 |
| Westfield (28), Luncarty | 68.6 | 68.8 | 68.6 | 68.9 | 55.7 | 55.9 | 55.7 | 56.0 |
| Westfield (29), Luncarty | 55.7 | 54.9 | 55.8 | 55.2 | 44.1 | 43.4 | 44.2 | 43.7 |
| Westfield (30), Luncarty | 66.9 | 67.2 | 66.9 | 67.3 | 54.2 | 54.5 | 54.2 | 54.6 |
| Westfield (31), Luncarty | 55.0 | 54.1 | 55.1 | 54.4 | 43.5 | 42.7 | 43.6 | 42.9 |
| Westfield (32), Luncarty | 67.0 | 67.3 | 67.0 | 67.4 | 54.3 | 54.6 | 54.3 | 54.6 |
| Westfield (33), Luncarty | 53.8 | 52.7 | 53.8 | 53.0 | 42.4 | 41.4 | 42.4 | 41.7 |
| Westfield (34), Luncarty | 67.5 | 67.7 | 67.4 | 67.9 | 54.7 | 54.9 | 54.6 | 55.1 |
| Westfield (35), Luncarty | 57.2 | 57.1 | 57.2 | 57.2 | 45.5 | 45.4 | 45.5 | 45.5 |
| Westfield (37), Luncarty | 57.3 | 57.3 | 57.4 | 57.5 | 45.6 | 45.6 | 45.6 | 45.7 |
| Westfield (39), Luncarty | 58.1 | 58.1 | 58.2 | 58.3 | 46.3 | 46.3 | 46.4 | 46.5 |
| Westfield (41), Luncarty | 56.5 | 56.6 | 56.6 | 56.7 | 44.8 | 44.9 | 44.9 | 45.0 |
| Westfield (43), Luncarty | 58.7 | 58.8 | 58.8 | 59.0 | 46.8 | 46.9 | 46.9 | 47.1 |
| Westfield (45), Luncarty | 56.6 | 56.6 | 56.6 | 56.8 | 44.9 | 44.9 | 44.9 | 45.1 |
| Westfield (47), Luncarty | 58.8 | 58.9 | 58.9 | 59.1 | 46.9 | 47.0 | 47.0 | 47.2 |
| Westfield (49), Luncarty | 58.6 | 58.7 | 58.7 | 58.9 | 46.7 | 46.8 | 46.8 | 47.0 |
| Westfield (51), Luncarty | 60.6 | 60.8 | 60.7 | 61.0 | 48.5 | 48.7 | 48.6 | 48.9 |
| Westfield (53), Luncarty | 59.7 | 59.8 | 59.7 | 60.0 | 47.7 | 47.8 | 47.7 | 48.0 |
| Westfield (55), Luncarty | 61.7 | 61.8 | 61.7 | 62.0 | 49.5 | 49.6 | 49.5 | 49.8 |
| Westfield (57), Luncarty | 62.3 | 62.5 | 62.2 | 62.7 | 50.1 | 50.2 | 50.0 | 50.4 |

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Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

| Receptor Name | Predicted Daytime L10, dB(A) | | | | Predicted Night time LAeq, dB(A) | | | |
|---|------------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| | DM 2019 | DM 2034 | DS 2019 | DS 2034 | DM 2019 | DM 2034 | DS 2019 | DS 2034 |
| Westfield (59), Luncarty | 63.0 | 63.2 | 62.9 | 63.4 | 50.7 | 50.9 | 50.6 | 51.0 |
| Westfield (61), Luncarty | 61.6 | 61.9 | 61.8 | 62.1 | 49.4 | 49.7 | 49.6 | 49.9 |
| Westfield (63), Luncarty | 61.7 | 62.0 | 61.8 | 62.2 | 49.5 | 49.8 | 49.6 | 50.0 |
| Westfield (65), Luncarty | 61.8 | 62.0 | 61.9 | 62.3 | 49.6 | 49.8 | 49.7 | 50.1 |
| Westfield (67), Luncarty | 62.1 | 62.3 | 62.1 | 62.5 | 49.9 | 50.1 | 49.9 | 50.2 |
| Westfield (69), Luncarty | 60.6 | 60.9 | 60.6 | 61.0 | 48.5 | 48.8 | 48.5 | 48.9 |
| Westfield (71), Luncarty | 61.7 | 61.9 | 61.6 | 62.0 | 49.5 | 49.7 | 49.4 | 49.8 |
| Westfield (73), Luncarty | 59.9 | 60.2 | 60.0 | 60.3 | 47.9 | 48.2 | 48.0 | 48.3 |
| Westfield (75), Luncarty | 60.5 | 60.7 | 60.5 | 60.9 | 48.4 | 48.6 | 48.4 | 48.8 |
| Westfield (77), Luncarty | 61.0 | 61.2 | 61.0 | 61.4 | 48.9 | 49.1 | 48.9 | 49.2 |
| Westfield (79), Luncarty | 61.5 | 61.7 | 61.5 | 61.8 | 49.3 | 49.5 | 49.3 | 49.6 |
| Westfield (81), Luncarty | 59.8 | 60.0 | 59.7 | 60.1 | 47.8 | 48.0 | 47.7 | 48.1 |
| Westfield (83), Luncarty | 60.1 | 60.4 | 60.1 | 60.5 | 48.1 | 48.3 | 48.1 | 48.4 |
| Westfield (Dunwood), Luncarty | 53.0 | 53.1 | 53.2 | 53.4 | 41.7 | 41.8 | 41.9 | 42.0 |
| Yew Gardens (01), Luncarty | 47.3 | 46.0 | 47.5 | 46.6 | 36.6 | 35.4 | 36.7 | 35.9 |
| Yew Gardens (02), Luncarty | 46.8 | 45.5 | 47.0 | 46.1 | 36.1 | 34.9 | 36.3 | 35.5 |
| Yew Gardens (03), Luncarty | 47.2 | 46.1 | 47.4 | 46.7 | 36.5 | 35.5 | 36.6 | 36.0 |
| Yew Gardens (04), Luncarty | 47.8 | 46.6 | 48.0 | 47.2 | 37.0 | 35.9 | 37.2 | 36.5 |
| Yew Gardens (05), Luncarty | 47.8 | 46.5 | 48.0 | 47.1 | 37.0 | 35.8 | 37.2 | 36.4 |
| A9 (Nursery), Bankfoot | 73.2 | 70.0 | 68.3 | 69.2 | 59.9 | 57.0 | 55.5 | 56.3 |
| B9099 (Social Club), Luncarty | 50.4 | 50.5 | 51.1 | 51.6 | 39.3 | 39.4 | 40.0 | 40.4 |
| B9099 (Sports Club), Luncarty | 50.5 | 50.7 | 51.3 | 52.0 | 39.4 | 39.6 | 40.2 | 40.8 |
| Church Place (Church Hall), Bankfoot | 43.1 | 40.0 | 40.4 | 41.3 | 32.8 | 30.0 | 30.4 | 31.2 |
| Eco, (Court Hill Tumulus) | 54.2 | 51.0 | 51.5 | 52.4 | 45.0 | 42.1 | 42.6 | 43.4 |
| Eco, Battleby House Gardens | 49.1 | 47.4 | 49.3 | 48.0 | 40.4 | 38.9 | 40.6 | 39.4 |
| Eco, Cairneyhill Road (Auchtergaven Parish Church) Bankfoot | 56.2 | 53.1 | 53.1 | 54.0 | 46.8 | 44.0 | 44.0 | 44.8 |
| Eco, Cairnleith Moss SSSI | 49.9 | 46.7 | 47.3 | 48.2 | 41.1 | 38.3 | 38.8 | 39.6 |
| Eco, Scarth Road Playground, Luncarty | 55.9 | 55.5 | 56.1 | 55.7 | 46.5 | 46.2 | 46.7 | 46.4 |
| Fairview (Luncarty Surgery), Luncarty | 53.9 | 52.1 | 54.1 | 52.6 | 42.5 | 40.9 | 42.7 | 41.3 |
| Main Street (Atholl Hotel), Bankfoot | 45.5 | 42.4 | 42.7 | 43.6 | 34.9 | 32.1 | 32.4 | 33.2 |
| Main Street (Bankfoot Inn/Hotel), Bankfoot | 48.6 | 45.6 | 45.8 | 46.7 | 37.7 | 35.0 | 35.2 | 36.0 |
| Main Street (Surgery), Bankfoot | 46.0 | 42.9 | 43.3 | 44.2 | 35.4 | 32.6 | 33.0 | 33.8 |
| Main Street (Village Hall), Bankfoot | 47.2 | 44.1 | 44.4 | 45.3 | 36.5 | 33.7 | 33.9 | 34.8 |
| Marshall Road (Luncarty Primary School W Facade), Luncarty | 47.8 | 47.3 | 48.0 | 47.9 | 37.0 | 36.6 | 37.2 | 37.1 |
| Marshall Way (Honeypot nursery), Luncarty | 48.0 | 46.3 | 48.1 | 46.8 | 37.2 | 35.7 | 37.3 | 36.1 |
| Marshall Way (Luncarty PH), Luncarty | 48.0 | 46.8 | 48.3 | 47.3 | 37.2 | 36.1 | 37.5 | 36.6 |
| Marshall Way (Place of Worship), Luncarty | 48.1 | 46.4 | 48.2 | 47.0 | 37.3 | 35.7 | 37.4 | 36.3 |
| Perth Road (Perthshire Visitor Centre), Bankfoot | 72.1 | 68.9 | 65.7 | 66.5 | 58.9 | 56.0 | 53.1 | 53.8 |
| Unknown Road (Redgorton School), Luncarty | 56.3 | 53.6 | 56.3 | 54.0 | 44.7 | 42.2 | 44.7 | 42.6 |

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Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

3 Operational Traffic Data Used in the Assessment

Table 2: Traffic Data Used in Operational Noise Assessment (Do Minimum)

| Link ID | Name | Do Minimum 2019 | | | Do Minimum 2034 | | |
|---------|------------------------|-----------------|-------|------------|-----------------|-------|------------|
| | | 18hr AAWT | % HGV | Speed, kph | 18hr AAWT | % HGV | Speed, kph |
| 1000101 | A9 | 13096 | 7 | 100 | 14104 | 7 | 100 |
| 1010103 | A9 | 7997 | 10 | 104 | 8614 | 10 | 104 |
| 1010201 | A9 Diverge Luncarty | 4858 | 3 | 78 | 5231 | 3 | 78 |
| 1020100 | A9 | 13350 | 9 | 101 | 14379 | 9 | 101 |
| 1030104 | A9 | 8140 | 10 | 101 | 8768 | 10 | 101 |
| 1040102 | A9 | 8391 | 12 | 103 | 9039 | 12 | 103 |
| 1040106 | A9 | 16531 | 11 | 86 | 17807 | 11 | 86 |
| 1060109 | A9 | 16882 | 11 | 86 | 18187 | 11 | 85 |
| 1080312 | A9 | 16652 | 11 | 86 | 17937 | 11 | 86 |
| 1090108 | A9 | 16782 | 11 | 86 | 18080 | 11 | 86 |
| 1120114 | A9 | 13872 | 12 | 86 | 14946 | 12 | 86 |
| 1140115 | A9 | 6655 | 11 | 100 | 7169 | 11 | 100 |
| 1150114 | A9 | 7217 | 13 | 101 | 7777 | 13 | 101 |
| 1150116 | A9 | 6655 | 11 | 100 | 7169 | 11 | 100 |
| 1160115 | A9 | 7217 | 13 | 100 | 7777 | 13 | 100 |
| 2010208 | B9099 | 4994 | 3 | 78 | 5378 | 3 | 78 |
| 2030102 | A9 Merge Luncarty | 4724 | 3 | 78 | 5088 | 3 | 78 |
| 2030213 | B9099 | 9564 | 3 | 45 | 10299 | 3 | 45 |
| 2050218 | Bankfoot Link Road | 1569 | 4 | 48 | 1690 | 4 | 48 |
| 2080202 | B8063 | 1763 | 5 | 64 | 1899 | 5 | 64 |
| 2080203 | B9099 | 5590 | 2 | 78 | 6022 | 2 | 78 |
| 2150205 | B867 | 1721 | 4 | 46 | 1851 | 4 | 46 |
| 2170220 | B867 | 1721 | 4 | 63 | 1851 | 4 | 63 |
| 2180216 | Bankfoot Link Road | 1569 | 4 | 67 | 1690 | 4 | 67 |
| 2200215 | B867 | 1721 | 4 | 63 | 1851 | 4 | 63 |
| 3000112 | A9 | 13872 | 12 | 87 | 14946 | 12 | 87 |
| 3030216 | Bankfoot Link Road | 1660 | 4 | 78 | 1788 | 4 | 78 |
| 3030304 | A9 SB Merge Bankfoot | 1463 | 3 | 79 | 1576 | 4 | 79 |
| 3040300 | A9 | 13665 | 12 | 87 | 14723 | 12 | 87 |
| 3060308 | A9 NB Diverge Bankfoot | 1551 | 4 | 79 | 1670 | 4 | 78 |
| 3060310 | A9 | 15025 | 12 | 87 | 16184 | 12 | 87 |
| 3080217 | B867 | 1721 | 9 | 79 | 1851 | 4 | 79 |
| 3100304 | A9 | 15203 | 12 | 85 | 16376 | 12 | 85 |
| 3120306 | A9 | 16652 | 11 | 85 | 17937 | 11 | 85 |

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Appendix A15.3: Predicted Operational Noise Levels and Operational Traffic Data

Table 3: Traffic Data Used in Operational Noise Assessment (Do Something)

| Link ID | Name | Do Something 2019 | | | Do Something 2034 | | |
|---------|------------------------|-------------------|-------|------------|-------------------|-------|------------|
| | | 18hr AAWT | % HGV | Speed, kph | 18hr AAWT | % HGV | Speed, kph |
| 1000101 | A9 | 13096 | 7 | 100 | 15264 | 7 | 99 |
| 1010103 | A9 | 7997 | 10 | 104 | 9705 | 10 | 104 |
| 1010201 | A9 NB Diverge Luncarty | 4858 | 3 | 78 | 5294 | 3 | 78 |
| 1020100 | A9 | 13350 | 9 | 101 | 15546 | 9 | 101 |
| 1030104 | A9 | 8220 | 10 | 101 | 9952 | 10 | 101 |
| 1040102 | A9 | 8391 | 12 | 103 | 10142 | 12 | 103 |
| 1040102 | A9 | 8391 | 12 | 103 | 10142 | 12 | 103 |
| 1040318 | A9 | 8220 | 10 | 103 | 9952 | 10 | 102 |
| 1140115 | A9 | 6655 | 12 | 100 | 8246 | 12 | 100 |
| 1140300 | A9 | 7217 | 13 | 103 | 8861 | 13 | 103 |
| 1150114 | A9 | 7217 | 13 | 99 | 8861 | 13 | 99 |
| 1150116 | A9 | 6655 | 12 | 100 | 8246 | 12 | 100 |
| 1160115 | A9 | 7217 | 13 | 100 | 8861 | 13 | 100 |
| 2010208 | B9099 | 5073 | 3 | 78 | 5529 | 3 | 78 |
| 2030102 | A9 SB Merge Luncarty | 4724 | 3 | 78 | 5152 | 3 | 78 |
| 2030213 | B9099 | 9641 | 3 | 45 | 10511 | 3 | 45 |
| 2050218 | Bankfoot Link Road | 1569 | 4 | 48 | 1706 | 4 | 48 |
| 2080202 | B8063 | 1763 | 5 | 64 | 1926 | 5 | 64 |
| 2080203 | B9099 | 5669 | 10 | 77 | 6178 | 10 | 77 |
| 2150205 | B867 | 1721 | 4 | 45 | 1874 | 4 | 45 |
| 2170220 | B867 | 1721 | 4 | 63 | 1874 | 4 | 63 |
| 2180216 | Bankfoot Link Road | 1569 | 4 | 67 | 1706 | 4 | 67 |
| 2200215 | B867 | 1721 | 4 | 63 | 1874 | 0 | 63 |
| 3000304 | A9 | 7010 | 13 | 104 | 8640 | 13 | 104 |
| 3030216 | Bankfoot Link Road | 1660 | 4 | 77 | 1810 | 4 | 77 |
| 3030304 | A9 SB Merge Bankfoot | 1463 | 4 | 79 | 1598 | 4 | 79 |
| 3040314 | A9 | 8548 | 12 | 103 | 10318 | 12 | 103 |
| 3060308 | A9 NB Diverge Bankfoot | 1551 | 4 | 78 | 1693 | 4 | 78 |
| 3060310 | A9 | 6477 | 12 | 102 | 8054 | 12 | 102 |
| 3080217 | B867 | 1721 | 4 | 79 | 1874 | 4 | 79 |
| 3100114 | A9 | 6655 | 12 | 98 | 8246 | 12 | 98 |
| 3140316 | A9 | 8092 | 12 | 105 | 9815 | 12 | 104 |
| 3160104 | A9 | 8391 | 12 | 103 | 10142 | 12 | 103 |
| 3180320 | A9 | 7983 | 10 | 100 | 9696 | 10 | 100 |
| 3200306 | A9 | 8104 | 10 | 99 | 9831 | 10 | 99 |