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Table 1a – Summary of Noise Changes at Ground Floor According to Noise Bands (<50dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band <50dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|---------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 5 | 1 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 33 | 0 | 1 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 2 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 38 | 0 | 1 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 1b – Summary of Noise Changes at Ground Floor According to Noise Bands (50 – 60dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 50-60dB | L _{A10,18hr} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|--------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 2 | 67 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 1 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 89 | 20 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 1c – Summary of Noise Changes at Ground Floor According to Noise Bands (60 – 70dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 60-70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|---------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 1 | 1 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 38 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 1 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 1 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 2 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 41 | 2 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 1d – Summary of Noise Changes at Ground Floor According to Noise Bands (>70dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band > 70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|---------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 7 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 7 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 2a-d: Summary of Residual Noise Changes at First Floor for each DMRB ambient noise band, within 300m of the Scheme.

Table 2a – Summary of Noise Changes at First Floor According to Noise Bands (< 50dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band <50dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | |
|--|---------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 2 | 0 | 0 | 0 |
| | ≥ 15 | 35 | 0 | 1 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 2 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 38 | 0 | 1 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 1 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |

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Table 2b – Summary of Noise Changes at First Floor According to Noise Bands (50 – 60dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 50-60dB | L _{A10,18hr} dB | Residential | | Commercial/Industrial | |
|--|--------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 1 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 1 | 47 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 1 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 2 | 0 | 0 | 0 |
| | 3 < 5 | 1 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 63 | 14 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |

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Table 2c – Summary of Noise Changes at First Floor According to Noise Bands (60 – 70dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 60-70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | |
|--|---------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 64 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 1 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 3 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 1 | 0 | 0 | 0 |
| | 10 < 15 | 1 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 66 | 2 | 0 | 0 |
| | 10 < 20% | 1 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |

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Table 2d – Summary of Noise Changes at First Floor According to Noise Bands (>70dB) (300m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band > 70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | |
|--|---------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 8 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 8 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |

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Table 3a-d: Summary of Residual Noise Changes at Ground Floor for each DMRB ambient noise band, within 500m of the Scheme.

Table 3a – Summary of Noise Changes at Ground Floor According to Noise Bands (<50dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band <50dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|---------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 3 | 0 | 0 | 0 | 1 | 0 |
| | 10 < 15 | 11 | 0 | 0 | 0 | 3 | 0 |
| | ≥ 15 | 52 | 0 | 1 | 0 | 2 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 3 | 0 | 0 | 0 | 2 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 2 | 0 | 0 | 0 | 1 | 0 |
| | ≥ 40% | 64 | 0 | 1 | 0 | 5 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 2 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 2 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 43 | 30 | 0 | 0 | 4 | 4 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 3b – Summary of Noise Changes at Ground Floor According to Noise Bands (50 – 60dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 50-60dB | L _{A10,18hr} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|--------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 2 | 165 | 0 | 0 | 0 | 7 |
| | 10 < 20% | 3 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 1 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 4 | 0 | 0 | 0 | 3 | 0 |
| | 3 < 5 | 1 | 0 | 0 | 0 | 1 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 214 | 45 | 0 | 0 | 9 | 2 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 3c – Summary of Noise Changes at Ground Floor According to Noise Bands (60 – 70dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 60-70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|---------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 67 | 0 | 0 | 0 | 1 |
| | 10 < 20% | 1 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 2 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 2 | 0 | 0 | 0 | 2 | 0 |
| | 10 < 15 | 1 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 71 | 5 | 0 | 0 | 1 | 1 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 1 | 0 |
| | 20 < 30% | 1 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 3d – Summary of Noise Changes at Ground Floor According to Noise Bands (>70dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band > 70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | | Community Facilities | |
|--|---------------------------|--------------|------------|-----------------------|------------|----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 7 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 7 | 0 | 0 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 | 0 | 0 |

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Table 4a-d: Summary of Residual Noise Changes at First Floor for each DMRB ambient noise band, within 500m of the Scheme.

Table 4a – Summary of Noise Changes at First Floor According to Noise Bands (<50dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band <50dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | |
|--|---------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 3 | 0 | 0 | 0 |
| | 10 < 15 | 4 | 0 | 0 | 0 |
| | ≥ 15 | 58 | 0 | 1 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 22 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 66 | 0 | 1 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 1 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 32 | 12 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |

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Table 4b – Summary of Noise Changes at First Floor According to Noise Bands (50 – 60dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 50-60dB | L _{A10,18hr} dB | Residential | | Commercial/Industrial | |
|--|--------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 1 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 2 | 122 | 0 | 0 |
| | 10 < 20% | 1 | 0 | 0 | 0 |
| | 20 < 30% | 1 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 5 | 0 | 0 | 0 |
| | 3 < 5 | 1 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 180 | 50 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |

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Table 4c – Summary of Noise Changes at First Floor According to Noise Bands (60 – 70dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band 60-70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | |
|--|---------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 1 | 103 | 0 | 0 |
| | 10 < 20% | 3 | 0 | 0 | 0 |
| | 20 < 30% | 1 | 0 | 0 | 0 |
| | 30 < 40% | 1 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 3 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 1 | 0 | 0 | 0 |
| | 10 < 15 | 2 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 105 | 7 | 0 | 0 |
| | 10 < 20% | 1 | 0 | 0 | 0 |
| | 20 < 30% | 1 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |

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Table 4d – Summary of Noise Changes at First Floor According to Noise Bands (>70dB) (500m)

Note: DS = Do-Something (i.e. With Proposed scheme), DM = Do-Minimum (i.e. Without Proposed scheme)

| Ambient Noise Band > 70dB | L _{A10(18hr)} dB | Residential | | Commercial/Industrial | |
|--|---------------------------|--------------|------------|-----------------------|------------|
| | | Do Something | Do Minimum | Do Something | Do Minimum |
| Increase In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Increase In Nuisance Level | < 10% | 0 | 15 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |
| Decrease In Noise Level L _{A10(18hr)} dB | 1 < 3 | 0 | 0 | 0 | 0 |
| | 3 < 5 | 0 | 0 | 0 | 0 |
| | 5 < 10 | 0 | 0 | 0 | 0 |
| | 10 < 15 | 0 | 0 | 0 | 0 |
| | ≥ 15 | 0 | 0 | 0 | 0 |
| Decrease In Nuisance Level | < 10% | 16 | 0 | 0 | 0 |
| | 10 < 20% | 0 | 0 | 0 | 0 |
| | 20 < 30% | 0 | 0 | 0 | 0 |
| | 30 < 40% | 0 | 0 | 0 | 0 |
| | ≥ 40% | 0 | 0 | 0 | 0 |