

Prospect Highway Upgrade

OPERATIONAL TRAFFIC AND CONSTRUCTION NOISE AND VIBRATION ASSESSMENT REPORT

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Terms and abbreviations

Assessment background level (ABL)	The single-figure background level representing each assessment period—day, evening and night (i.e. three ABLs are determined for each 24 hour period of the monitoring period). ABL is a measure of background noise level in the absence of noise from the source.
AADT	Annual average daily traffic
ADT	Average daily traffic
Assessment period	The period in a day over which assessments are made: <ul style="list-style-type: none"> ■ Day (0700 to 1800 h). ■ Evening (1800 to 2200 h). ■ Night (2200 to 0700 h).
Background noise	The underlying level of noise present in the ambient noise, excluding the noise source under investigation, when extraneous noise is removed. This is described using the L_{A90} descriptor.
CEMP	Construction Environmental Management Plan
CNVMP	Construction Noise and Vibration Management Plan
CoRTN	Calculation of Road Traffic Noise
dB(A)	Unit used to measure ‘A-weighted’ sound pressure levels. A-weighting is an adjustment made to sound-level measurement to approximate the response of the human ear.
DEC	Department of Environment and Conservation
DECC	Department of Environment and Climate Change
DECCW	Department of Environment, Climate Change and Water
ENMM	Environmental Noise Management Manual
EPA	Environment Protection Authority
EP&A Act	Environmental Planning and Assessment Act 1979
Extraneous noise	Noise resulting from activities that are not typical of the area such as construction, and traffic generated by holiday periods or special events such as concerts or sporting events. Normal daily traffic is not considered to be extraneous.
Feasible and reasonable measures	Feasibility relates to engineering considerations and what is practical to build; reasonableness relates to the application of judgement in arriving at a decision, taking into account the following factors: <ul style="list-style-type: none"> ■ Noise mitigation benefits (noise reduction provided, people protected) ■ Cost of mitigation (cost of mitigation versus benefit provided). ■ Community views (aesthetic impacts and community wishes). ■ Noise levels for affected land uses (existing and future levels).
ICNG	Interim Construction Noise Guideline
Intrusive noise	Refers to noise that intrudes above the background level by more than 5 dB(A).
L_{A90}	The A-weighted sound pressure level that is exceeded for 90% of the time over which a given sound is measured. This is considered to represent the background noise.
L_{Aeq}	The equivalent continuous A-weighted noise level—the level of noise equivalent to the energy average of noise levels occurring over a measurement period.
Maximum noise level, $maxL_{pA}$	The highest noise level during a specified time period or during a specified number of events expressed as the absolute maximum level of the root-mean-square (rms) sound pressure level using time weighting ‘F’.
NCA	Noise catchment area
NML	Noise management level
OEH	Office of Environment and Heritage
PPV	Peak particle velocity
Rating background level	The overall single figure background level representing each assessment period

(RBL)	(day/evening/night) over the whole monitoring period (as opposed to over each 24-h period used for the ABL). This is the level used for assessment purposes and is defined as the median value of: <ul style="list-style-type: none"> ■ All the day assessment background levels over the monitoring period for the day. ■ All the evening assessment background levels over the monitoring period for the evening. ■ All the night assessment background levels over the monitoring period for the night.
REF	Review of Environmental Factors
RMS	Roads and Maritime Services
RNP	Road Noise Policy
RTA	Roads and Traffic Authority
Sleep disturbance	Defined objectively in a number of ways ranging from the smallest detectable physiological response to some external stimulus whilst asleep to actual awakening. Sleep disturbance can also be described subjectively using an appropriate scale. Effects on mood, attitudes or performance of some task the next day could be measured objectively and subjectively.
TfNSW	Transport for NSW
VDV	Vibration dose value

Executive summary

The Prospect Highway, between Reservoir Road at Prospect and St Martins Crescent at Blacktown, forms the main road corridor connecting the city of Blacktown with the M4 Western Motorway. It is proposed to upgrade the corridor to meet future traffic demand, reduce travel times, and improve road safety.

The purpose of this report is to provide an operational traffic and construction noise and vibration assessment of the proposed upgrade for input into the Review of Environmental Factors (REF). The assessment includes background noise and traffic monitoring, predictive noise modelling and assessment of the potential for adverse impacts on the community as the result of the Proposal. Outcomes of the assessment provide the basis for recommendations for noise mitigation where necessary.

Existing environment

A total of 1150 receivers have been identified in the study area using aerial photography and information from site visits. The study area has also been divided into 15 noise catchment areas (NCAs) that cover sensitive receivers out to around 300 metres from the existing highway.

Two structures within the study area are considered to be heritage items: a church (receiver 14) south of the Great Western Highway, and a residence at 37 Roger Place.

Noise monitoring was carried out at seven residential locations between 8 October and 17 October 2013 in order to establish background noise levels. These will be used to set construction noise management levels and assist in validating the operational traffic noise model.

A tube count traffic survey was undertaken by Skyhigh Data Australia Pty Ltd for the same period as the noise measurement survey and estimates of traffic flows on the Great Western Highway and the M4 Western Motorway were also developed for the assessment to provide a more detailed picture of vehicle use on and near Prospect Highway.

Operational traffic noise assessment

A traffic noise model developed and validated against existing noise levels and traffic volumes for the Proposal was used to predict noise levels for the future operational build and no build scenarios in accordance with the Road Noise Policy (RNP) guidelines. The predicted noise levels for individual receiver locations were calculated and assessed against the Proposal criteria.

1123 residential properties were included in the assessment of operational noise impacts. Of these, predictions indicate that 231 residences should be considered for mitigation of noise impacts. The majority of receivers identified for mitigation are located adjacent to the existing alignment and already experience acute noise levels for either the day or night time periods.

The application of mitigation measures depends on a variety of factors and is limited to measures which can be practically built or implemented and considers that benefit versus cost. Mitigation options can be low noise pavements or reduced speed zones, physical barriers, such as noise walls, or architectural acoustic treatments.

Due to their reduced effectiveness at low speeds, low noise pavements would not provide the necessary noise benefits to reduce exceedances of the Proposal criteria to within the identified limits at affected receiver locations. Noise barriers are also not a feasible option for all affected receivers for the proposal since a substantial number of receivers identified for mitigation have some degree of vehicle and/or pedestrian access to their properties at the boundaries that face the highway. However, potential noise barrier locations have been identified for further investigation during a detailed design phase.

The option for mitigating noise impacts for all other receivers identified for further consideration would be architectural treatments that aim to reduce noise intrusion into the property. Any proposed property treatments would be considered and agreed with the affected home owners.

Construction noise and vibration assessment

Airborne noise generated by construction activities and associated plant and equipment have been incorporated in a predictive noise model called SoundPlan. Noise levels have been predicted at all receiver locations within the study area.

Predicted noise levels for each stage of construction indicate that there is a high risk of adverse noise impacts to receivers close to the construction works, particularly those within 20 metres of Prospect Highway. Earthworks, drainage works, select material placement and demolition of existing infrastructure are likely to result in the greatest number of exceedances of the daytime noise management levels (NML), some of these more than 25 dB(A) over the daytime NML at receivers in very close proximity to the works.

Works associated with bridge construction should meet or only slightly exceed the NMLs during the day since they are a large distance from the nearest receivers. Should these works be required at night, however, the impacts will increase substantially.

Predictions are the maximum levels with works at their closest point to each receiver. The actual magnitude of predicted impacts will ultimately be determined by the duration of works at that location, the equipment used, operating methods and construction activity carried out.

The Interim Construction Noise Guideline (ICNG) requires that, where works are expected to extend over more than two consecutive nights, the assessment should address the likelihood of sleep disturbance on nearby residences. Considering works are planned to be carried out during standard hours, the likelihood of more than two consecutive nights of construction work is low and it is not practical to complete an assessment of sleep disturbance at this stage. However, based on the predicted noise levels for standard working hours, it can be inferred that there is potential for sleep disturbance for a number of activities, particularly at residences close to the works.

Construction is proposed to be staged to allow Prospect Highway to remain open to traffic, with only partial lane closures. Heavy and light vehicle traffic associated with the construction would generally use the M4 Western Motorway and Great Western Highway to get to and from Prospect Highway.

Prospect Hwy currently accommodates over 35,000 vehicles per day and, similarly, the Great Western Highway and M4 Western Motorway accommodate over 30,000 and 70,000 vehicles per day respectively. Under the assumption that traffic generated by construction of the Proposal adds around 100 movements per day to the road network, this would translate to an increase in noise levels of less than 0.02 dB(A), which is indiscernible. Therefore, construction traffic is not considered to represent a high risk of adverse impact.

Where vibration intensive plant is used, in this case vibratory rollers, jack hammers and bored pilers, vibration must be managed to minimise disturbance to building occupants and avoid damage to buildings and other structures. Based on the recommended safe working distances for cosmetic structural damage and human comfort, it is likely that the human response screening value for 10 – 12 tonne vibratory rollers would be exceeded and, for some residences within 20 metres of works, the cosmetic damage criterion may be exceeded.

For jack hammering and pile boring, it is unlikely that either cosmetic damage or human comfort impacts would be experienced.

Two heritage structures were also identified within the study area. These structures are about 100 metres from likely vibration intensive equipment locations so should not exceed the more stringent criteria for heritage buildings.

1. Introduction

1.1 Proposal overview

Roads and Maritime Services (Roads and Maritime) proposes to upgrade Prospect Highway between Reservoir Road, Prospect and St Martins Crescent, Blacktown, a length of about 3.6 kilometres. The Prospect Highway, between Reservoir Road at Prospect and St Martins Crescent at Blacktown, forms the main road corridor connecting the city of Blacktown with the M4 Western Motorway. It is proposed to upgrade the corridor to meet future traffic demand, reduce travel times, and improve road safety. The upgrade will involve improvements to the existing route of the Prospect Highway.

The key features of the Prospect Highway upgrade are:

- Upgrading to two lanes in each direction.
- Duplicating the bridges over the M4 Western Motorway and the Great Western Highway.
- Providing a new two way road between the Great Western Highway and the Prospect Highway, with traffic lights at either end of the new road, to improve access.
- Providing new traffic lights at:
 - Stoddart Road.
 - M4 Western Motorway eastbound entry and exit ramp.
 - Reservoir Road.
- Changing access arrangements at:
 - Tudor Avenue.
 - Roger Place.
 - Vesuvius Street.
 - Ponds Road.
- Upgrading the shared path/cycleway on the western side of Prospect Highway between the M4 Western Motorway westbound ramp and Harrod Street.
- Constructing a pedestrian footpath on the eastern side of Prospect Highway between Keyworth Drive and Roger Place.
- Improving bus priority.

1.2 Proposal locality and existing land uses

Figure 1-1 shows the Proposal extents and the locality within the local region. Land uses in the Proposal area consist of:

- Commercial and distribution land uses along Reconciliation Road.
- Wet'n'Wild Sydney, water theme park along Reservoir Road.
- St Marks Coptic Church.
- St Bartholomew's Anglican Church and Cemetery.
- Transport corridor and rural land uses along the M4 Western Motorway.
- Transport corridor and rural land uses along the Great Western Highway.

- A mix of residential densities along Prospect Highway.
- Public school and child care centre on Prospect Highway between Lancelot Street and Keyworth Drive.
- Medical centre along Prospect Highway between Tudor Avenue and St Martins Crescent.
- St Martins Village Shopping Centre on Prospect Highway between St Martins Crescent and Leabons Lane.

1.3 Purpose of this report

The purpose of this report is to provide an operational traffic and construction noise and vibration assessment for input into the Review of Environmental Factors (REF), as required under Part 5 of the Environmental Planning and Assessment Act 1979 (EP&A Act).

The assessment includes background noise and traffic monitoring, predictive noise modelling and assessment of the potential for adverse impacts on the community as the result of the Proposal. Outcomes of the assessment provide the basis for recommendations for noise mitigation where necessary.



Figure I-1
Overview and locality of the proposal

2. Existing environment

2.1 Ambient noise environment

The section of highway to be upgraded extends for approximately 3.6 kilometres with residential dwellings immediately adjacent to the existing carriageway. The highway is heavily trafficked carrying, on average, about 35,000 vehicles per day. For residences within the study area road vehicle noise is the dominant noise source during both the daytime and night time.

2.2 Study area and noise catchment areas

The NSW Road Noise Policy (DECCW 2011) defines a study area of 600 metres from the Proposal as sufficient to assess the most affected locations. Considering the built-up nature of the area with closely spaced dwellings, our experience shows that the dominant noise source of road traffic on Prospect Highway would only remain dominant within a much smaller distance and that the most affected locations would be captured within a few rows of houses (150 – 200 m). The noise assessment was therefore carried out for receivers up to 300 metres from the Proposal boundary, as illustrated in **Figure 1-1**. This study area was also used for construction noise impact assessment.

To assist in assessing and interpreting predicted noise levels and to apply background noise monitoring data across multiple receivers so that it is representative of those receivers, the study area has been divided into 15 noise catchment areas (NCAs) that cover sensitive receivers out to around 300 metres from the existing highway. These NCAs accommodate receivers which share similar existing noise characteristics, based on geographic clusters and their proximity to dominant noise sources.

A total of 1150 receiver locations have been identified in the study area using aerial photography and information from site visits. The locations of each of the identified residences are shown overlaid on the aerial photographs and are presented in **Appendix A Receiver locations**. A summary of the construction noise management levels (NML) for each NCA is presented in **Section 3.5 Construction criteria**.

Two structures within the study area are considered to be heritage items: St Bartholomew's Anglican Church and Cemetery – Ponds Road, Prospect (receiver 14), and 'Dayton House' – 37-39 Roger Place, Seven Hills (receiver 935).

2.3 Background noise survey method

Background noise monitoring surveys are undertaken for all road traffic proposals where an assessment of noise impacts is required. The measured noise levels are used to establish the existing noise environment in the vicinity of the Proposal. Monitoring is completed using automatic unattended monitoring equipment that gathers statistical data continually over the survey period.

The monitoring data is analysed to provide information on noise levels over each of the 24 hour periods during the survey, which is then separated into representative noise levels for the day (7.00am to 6.00pm), evening (6.00pm to 10.00pm) and night time (10.00pm to 07.00am) periods. The data is used in the assessment of potential noise impacts for both construction and operation of the Proposal, with both the environmental and traffic noise information extracted from the same monitoring data at each location. The noise parameters extracted from the data are differentiated for use as environmental background noise levels or traffic noise specific to each type of assessment.

Construction noise monitoring measures all noise sources that are audible at a receiver location to determine the background levels. The background noise levels, whether influenced by existing traffic noise or the natural environment, provide the base noise level used to set the construction noise goals. In making the Proposal

goals specific to the local environment that influences them, noise targets that minimise the disturbance to sensitive receivers can be developed for the Proposal.

Operational noise monitoring is used to measure the influence of existing traffic noise exposures at representative locations adjacent to the Proposal. Although all noise sources within the area are measured during the survey, the proximity of the monitoring sites to the existing road carriageway is generally designed to ensure that the measured noise levels are largely dominated by road traffic.

Where there are a large number of receiver locations potentially affected by a road proposal, it is not possible to undertake noise monitoring at every location. The approach recommended in the *Road Noise Policy* (RNP, DECCW 2011) and the *Interim Construction Noise Guideline* (ICNG, DECC 2009) is to undertake monitoring at representative locations to obtain typical information for the broader proposal. The representative locations were identified and property access was obtained for seven unattended monitoring locations selected to provide information to assess the existing noise environment over the study area.


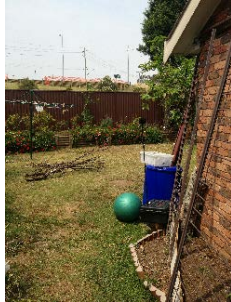
The monitoring was undertaken in general accordance with the Australian Standard, AS1055 and used ARL Ngara noise loggers deployed at each of the monitoring locations between 8 October and 17 October 2013. All loggers had a calibration check prior to and after each logging period.






2.4 Measured noise levels

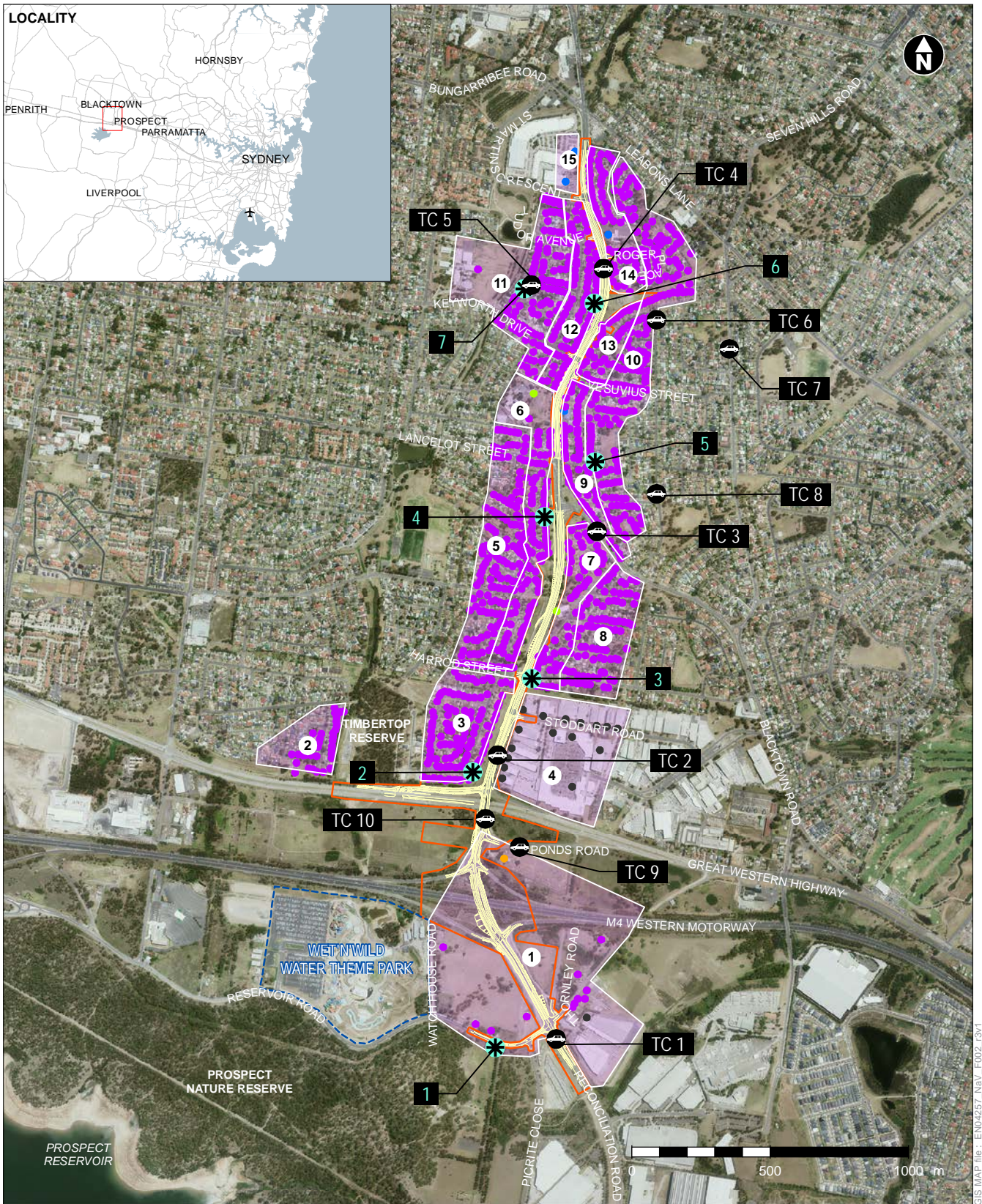
Noise monitoring was carried out at seven residential locations (M1 – M7) in order to establish background noise levels, which will be used to set construction noise management levels (refer **Section 3.5 Construction criteria**) and assist in validating the operational traffic noise model. Details of these locations are presented in **Table 2-1** and are illustrated in **Figure 2-1**.

Locations M2- M6 are representative of traffic noise on Prospect Highway and have been included in the noise model validation/calibration process outlined in **Section 4.3 Model validation**.

Table 2-1 Unattended noise monitoring locations

ID	Receiver	Logger location and description	Noise sources	Photo
1	544 Reservoir Road	200 metres Prospect Highway 15 metres Reservoir Road. One metre from the building façade approximately 15metres from Reservoir Road.	Local road traffic noise from Reservoir Road. Distant road noise from the M4 Western Motorway and Great Western Highway.	
2	31 Hampton Crescent	67 metres from Prospect Highway. Backyard of property located 1 metre from the corner of the building facing the highway.	Road traffic noise from Prospect Highway dominant with background hum of more distant Great Western Highway. Occasional bird noises and traffic movements on local road.	

ID	Receiver	Logger location and description	Noise sources	Photo
3	83 Aldgate Street	12 metres from Prospect Highway. Backyard of property located 1 metre from the building facing the highway.	Road traffic noise from Prospect Highway is the dominant noise source. Occasional lulls in traffic.	
4	10 Fife Street	46 metres from Prospect Highway. Backyard of property located 1 metre from the façade of the building facing the highway.	Road traffic noise from Prospect Highway is the dominant noise source. Some bird noise and other domestic noise sources audible.	
5	3 Ozark Street	125 metres from Prospect Highway. Front yard of property on the building façade facing the highway, free-field measurement.	Local road traffic noise from Ozark Street. Road noise from Prospect Highway clearly audible.	
6	170 Blacktown Road	30 metres from Blacktown Road. Front yard of property at the boundary fence. Free-field monitoring location.	Local road traffic noise from Blacktown Road.	
7	24 Cavendish Road	250 metres from Prospect Highway. Front yard of property 1 metre from the building façade facing the highway.	Local road traffic noise from Cavendish Road. Distant road noise from the Prospect Highway.	













- | | | | | | |
|---|-----------------------|---|---------------------------------------|---|---|
|  | The proposal boundary |  | Traffic counting locations |  | 1 Noise catchment area |
|  | The proposal |  | Background noise monitoring locations |  | Residential receiver |
| | | | |  | Non-residential receiver (e.g. school, places of worship, childcare facilities) |
| | | | |  | Industrial receiver |
| | | | |  | Heritage receiver |
| | | | |  | Commercial receiver |

Figure 2-1
Background noise monitoring, traffic counting locations and noise catchment areas

Graphs of environmental noise levels for each day at each location are presented in **Appendix E** and the results have been summarised in **Table 2-2** and **Table 2-3** for environmental monitoring and traffic noise monitoring respectively.

The Rating Background Level (RBL) in **Table 2-2** is the median of the 10th percentile background noise levels for each site and is used when determining the construction Noise Management Level (NML). The L_{A1} and L_{Aeq} levels provide additional information on the existing noise environment.

Table 2-2 Summary of monitoring results – environmental noise descriptors

Description	Day			Evening			Night		
	L_{A1}	L_{Aeq}	RBL	L_{A1}	L_{Aeq}	RBL	L_{A1}	L_{Aeq}	RBL
M1	77.0	60.6	45.4	70.8	55.4	44.6	75.4	55.8	42.4
M2	70.1	55.3	45.3	66.6	53.0	45.5	65.3	49.1	39.0
M3	84.7	68.4	49.7	80.0	66.3	48.6	75.4	61.2	39.3
M4	73.4	58.2	46.8	72.2	56.1	44.8	68.1	53.8	35.5
M5	73.6	54.7	42.0	65.3	50.3	41.7	63.0	47.7	36.9
M6	76.1	62.6	53.6	69.6	60.2	50.2	71.3	59.0	36.5
M7	73.5	52.3	37.7	63.3	47.0	36.3	67.1	44.6	30.4

Receivers at locations M2 to M6 experience noise from road traffic as the dominant ambient noise influence. These monitoring locations were selected for their proximity to the proposed road upgrade and have been tabulated with the day and night time traffic noise descriptors. A summary of traffic noise parameters used in the noise model validation is provided in **Table 2-3**.

The measured noise levels for the L_{Aeq} 15hr and 9 hr (day and night) periods have been correlated with traffic counts undertaken at the time of the monitoring and represent the noise level of the Average Daily Traffic (ADT). Details of the traffic volumes recorded during the noise monitoring survey are presented in **Section 2.5 Traffic survey**.

Table 2-3 Summary of monitoring results –Traffic noise descriptors

Receiver ID	L_{A10} 18 hour dB(A)	L_{A10} 1 hour dB(A)	L_{Aeq} 15 hour dB(A)	L_{Aeq} 9 hour dB(A)	L_{Amax} 15 hour dB(A)	L_{Amax} 9 hour dB(A)
M2	53.8	49.6	54.7	49.1	77.4	73.2
M3	66.2	61.5	68.1	61.2	94.4	87.2
M4	57.7	54.4	57.7	53.8	80.1	77.8
M5	52.5	48.4	53.0	47.7	75.2	72.0
M6	64.0	61.0	62.1	59.0	81.1	77.4

2.5 Traffic survey

A tube count traffic survey was undertaken by Skyhigh Data Australia Pty Ltd for the same period as the noise measurement survey (8 October to 17 October 2013) at various locations along Prospect Highway and Blacktown Road, as well as other tributary roads (refer to **Figure 2-1** for locations).

ADT data for the Great Western Highway, M4 Western Motorway, and Reservoir Road were calculated based on measured ADTs and data from the Sydney Coordinated Adaptive Traffic System (SCATS) on the Great Western Highway.

Traffic data collected or estimated at the time of monitoring has been used in the calibration of the noise model and is summarised in **Table 2-4**.

Table 2-4 Average Daily Traffic data for noise model validation

Location	Dir	Predicted traffic flows							
		Daytime (15 hour)				Night time (9 hour)			
		Light	Heavy	Total	% Heavy	Light	Heavy	Total	% Heavy
Prospect Highway (north of Great Western Highway).	NB	14,498	1,762	16,261	11%	2,458	292	2,750	11%
Prospect Highway (north of Great Western Highway).	SB	13,600	1,893	15,493	12%	2,723	405	3,128	13%
Blacktown Road (north of Lancelot Street).	NB	12,729	1,533	14,262	11%	2,123	255	2,378	11%
Blacktown Road (north of Lancelot Street).	SB	12,208	1,441	13,648	11%	2,317	252	2,569	10%
Blacktown Road (south of Lancelot Street).	NB	3,469	213	3,682	6%	518	29	547	5%
Blacktown Road (south of Lancelot Street).	SB	4,634	321	4,955	6%	460	40	500	8%
Great Western Highway.	WB	16,997	895	17,891	5%	2,359	124	2,483	5%
Great Western Highway.	EB	14,037	739	14,776	5%	3,395	179	3,574	5%
Great Western Highway off ramp.	EB	862	45	907	5%	802	42	844	5%
Great Western Highway on ramp.	EB	1,781	61	1,842	3%	1,656	57	1,713	3%
M4 West Motorway under Prospect Highway.	WB	33,203	1,615	34,818	5%	6,176	300	6,476	5%
M4 West Motorway under Prospect Highway.	EB	27,823	2,126	29,948	7%	5,175	395	5,570	7%
Westbound off ramp.	EB	6,626	284	6,910	4%	1,232	53	1,285	4%
Westbound on ramp.	WB	5,860	256	6,116	4%	1,090	48	1,138	4%
Eastbound on Ramp.	EB	4,531	268	4,799	6%	843	50	893	6%
Eastbound off Ramp.	EB	6,025	555	6,580	8%	1,121	103	1,224	8%
Reservoir Road east.	EB	229	0	229	0%	43	0	43	0%
Reservoir Road east.	WB	250	0	250	0%	46	0	46	0%
Reservoir Road west.	EB	489	8	497	2%	91	1	92	2%
Reservoir Road west.	WB	300	22	322	7%	56	4	60	7%

3. Noise criteria

3.1 Approach to this study

The assessment of noise and vibration for the Proposal is divided between the construction and operational phases which have different criteria taken from specific guidelines for these types of impact. The assessment identifies potentially affected sensitive receiver locations within the study area and compares the predicted noise levels with the criteria to determine compliance with the guidelines. Where the guideline limits cannot be met through the design and management of the Proposal, recommendations for mitigation of noise impacts are presented for all affected receiver locations.

3.2 Legislative review

The assessment guidelines for operational (traffic) noise impacts for road projects are taken from the Office of Environment and Heritage (OEH) New South Wales *Road Noise Policy* (RNP) (DECCW, 2011). Roads and Maritime provides additional information in the Environmental Noise Management Manual (ENMM) (RTA, 2001) to assist in the application of the criteria and the development of noise mitigation measures where RNP noise objectives may be exceeded.

Construction noise impacts are assessed under separate guidelines, which have different noise goals that relate to shorter term noise impacts. The assessment methodology for these impacts is taken from the Environment Protection Authority (EPA) *Interim Construction Noise Guideline* (ICNG) (DECC, 2009). This guideline has been developed to assist with the management of noise impacts, and rather than presenting absolute noise criteria for construction activities, it recognises the variability of existing noise environments throughout the day and night with noise goals set accordingly.

Methodologies and criteria in these guidelines for both construction and operational phases of the proposal provide the basis of the assessment of impacts for the REF. The operational noise assessment is presented in **Section 4 Operational noise impacts** and the construction noise criteria and a preliminary assessment of construction noise and vibration impacts are outlined in **Section 5 Construction noise and vibration assessment**.

3.3 Operational noise criteria

The base criteria for traffic noise are fixed values that consider noise emissions from all types of vehicles on new or upgraded sections of road. These criteria are outlined in the RNP and are based on studies of national and international practices for road traffic noise assessment.

The criteria for the assessment of road traffic noise, outlined in the RNP, are also supplemented with 'interim approaches' developed by Roads and Maritime to implement the policy provisions of the OEH. These interim approaches outline how the provisions for consideration of mitigation identified in the ENMM apply to the assessment guidelines of the RNP. These documents work together to assist in developing feasible and reasonable noise mitigation options where the Proposal noise levels are expected to exceed the RNP assessment criteria.

3.3.1 Base criteria

Under the RNP guidelines, a road development may be classified as 'new road' or 'redevelopment of an existing road'. Each classification has a base criteria for both day and night time assessment periods with new roads having a more stringent set of criteria. The consideration of a lower set of criteria for night time in both cases is in recognition of the quality of the noise environment necessary for restful sleep.

The factors that affect how a receiver is categorised include:

- The influence of existing traffic noise on a receiver.
- Whether the road is in a new or existing road corridor.
- Any changes to the direction that new noise emissions would impact a receiver.

Proposal specific criteria for each type of road category are listed in **Table 3-1**. Due to existing road traffic noise from Prospect Highway and the location of the works generally within the existing road boundary, the applicable road assessment category for the upgrade proposal would be for redevelopment of an existing highway.

Table 3-1 Road traffic noise base criteria

Road category	Type of proposal/land use	Daytime noise criteria	Night-time noise criteria
Freeway/arterial/ sub-arterial roads	1. Existing residences affected by noise from new freeway/arterial/sub-arterial road corridors.	$L_{Aeq(15hour)}$ 55 dB (A)	$L_{Aeq(9hour)}$ 50 dB (A)
	2. Existing residences affected by noise from redevelopment of existing freeway/arterial/sub-arterial roads.	$L_{Aeq(15hour)}$ 60 dB (A)	$L_{Aeq(9hour)}$ 55 dB (A)

3.3.2 Additional traffic noise criteria

In addition to the base criteria, the Environmental Noise Management Manual (ENMM, RTA 2001) identifies a category of highly affected noise sensitive receivers that are termed acute. Where these experience noise levels greater than or equal to $L_{Aeq(15hour)}$ 65dB(A) and $L_{Aeq(9hour)}$ 60 dB(A), as a result of existing or future road traffic noise, they are classed as 'acute'. In these instances an assessment of noise mitigation in accordance with ENMM practice note (iv) would be undertaken.

In areas of new or existing impact, where the increase in noise would be due to a road proposal or a traffic generating development, the RNP recommends that a relative increase greater than 12 dB(A) in total traffic noise levels should be considered for mitigation, as summarised in **Table 3-2**. The relative increase criterion does not apply to open spaces or where the main road to be assessed is a local road.

Based on existing exposure of residences adjacent to the highway, the relative increase criterion does not apply to the proposed road upgrade for the Prospect Highway.

Table 3-2 Relative increase criteria for residential land use

Road category	Type of proposal/land use	Total traffic noise level increase – dB(A)	
		Daytime noise criteria	Night-time noise criteria
Freeway/arterial/ sub-arterial roads.	New road corridor/redevelopment of existing road/land use development with the potential to generate additional traffic on existing road.	Existing traffic $L_{Aeq(15hour)} + 12$ dB (external)	Existing traffic $L_{Aeq(9hour)} + 12$ dB (external)

Assessment criteria for other non-residential land uses are presented in **Table 3-3** and are taken from Section 2.3.2 of the RNP. These non-residential criteria do not require assessment against 'build' and 'no build' scenarios. These criteria are based on the level of impact, below which, normal operations can continue with minimal interruption or disturbance.

Table 3-3: Noise criteria for non-residential land use

Existing sensitive land use	Assessment criteria dB(A)		Additional Considerations
	Day (7.00am–10.00 pm)	Night (10.00 pm – 7.00 am)	
1. School classrooms	L _{Aeq} , (1 hour) 40 (internal) when in use		In the case of buildings used for education or health care, noise level criteria for spaces other than classrooms and wards may be obtained by interpolation from the 'maximum' levels shown in Australian Standard 2107:2000 (Standards Australia 2000).
2. Hospital wards	L _{Aeq} , (1 hour) 35 (internal)	L _{Aeq} , (1 hour) 35 (internal)	
3. Places of Worship	L _{Aeq} , (1 hour) 40 (internal)	L _{Aeq} , (1 hour) 40 (internal)	
4. Open space (active use)	L _{Aeq} , (15 hour) 60 (external) when in use	–	Active recreation is characterised by sporting activities and activities which generate their own noise or focus for participants, making them less sensitive to external noise intrusion.
5. Open space (passive use)	L _{Aeq} , (15 hour) 55 (external) when in use	–	Passive recreation is characterised by contemplative activities that generate little noise and where benefits are compromised by external noise intrusion, eg playing chess, reading. For areas where there may be a mix of passive and active recreation, eg school playgrounds, the more stringent criteria apply. Open space may also be used as a buffer zone for more sensitive land uses.
6. Isolated residences in commercial or industrial zones	–	–	For isolated residences in industrial or commercial zones, the external ambient noise levels can be higher than those in residential areas. Internal noise levels in such residences are likely to be more appropriate in assessing any road traffic noise impacts, and the proponent should determine suitable internal noise level targets, taking guidance from Australian Standard 2107:2000 (Standards Australia 2000).
7. Mixed use development	–	–	Each component of use in a mixed use development should be considered separately. For example, in a mixed use development containing residences and a childcare facility, the residential component should be assessed against the appropriate criteria for residences in Table 3, and the childcare component should be assessed against point 8 below.
8. Childcare facilities	L _{Aeq} , (1 hour) 35 (internal) - Play areas Indoor 40 (internal) Outdoor 55 (external)	–	Multi-purpose spaces, eg shared indoor play/sleeping rooms should meet the lower of the respective criteria. Measurements for sleeping rooms should be taken during designated sleeping times for the facility, or if these are not known, during the highest hourly traffic noise level during the opening hours of the facility.
9. Aged care facilities	–	–	Residential land use noise assessment criteria should be applied to these facilities (see Table 3).

3.4 Maximum noise level assessment – sleep disturbance

The RNP (Section 4.1) and the ENMM (Practice note iii) recognise the need to identify maximum noise level events for road projects when there is potential for sleep disturbance from traffic noise. These disturbances are identified as a noise event that substantially exceeds the continuous ambient noise environment. If substantially greater than the ambient noise in an area, these events may give rise to awakenings and generate annoyance within a community.

The RNP discusses the potential for disruption of normal sleep patterns due to road traffic noise but concludes that there is insufficient evidence to assist in setting appropriate trigger levels for this type of impact. Currently the information relating to sleep disturbance impacts indicates that:

- Maximum noise levels below 50-55 dB(A) are unlikely to cause an awakening from a sleep state.
- One or two noise events per night with maximum internal noise levels of 65-70 dB(A) are not likely to affect health and wellbeing significantly.

The ENMM employs a methodology to assess these impacts based on the emergence of a noise event over ambient noise levels in numerical terms so that the risk of sleep disturbance can be quantified. A maximum noise event is defined as an L_{Amax} noise level above 65 dB(A), where the emergence of the L_{Amax} level above the $L_{Aeq(1hr)}$ noise level is greater than 15 dB(A), ie:

$$L_{Amax} \geq L_{Aeq(1hr)} + 15 \text{ dB(A)}$$

Once identified, the number and associated levels of all events are compared to the current guidelines for these impacts to identify the potential for exceedances. An exceedance of sleep disturbance criteria for a project does not necessarily constitute a need for mitigation, however the assessment of maximum noise levels is recommended to assist in mitigation strategies during the Proposal stage.

3.5 Construction criteria

Separate to operational traffic noise, construction noise impacts are assessed in accordance with the ICNG, which identifies Noise Management Levels (NMLs) to help control impacts. Construction vibration is also considered within the study area and is separated into two categories: vibration effects on humans, and vibration impacts on building structures. These two categories are assessed respectively against the EPA, *Assessing Vibration: A Technical Guideline* (DEC 2006) and the Australian Standard AS2187.2-2006 *Explosives – Storage, Transport and Use provides guidance for the assessment of structural damage to buildings caused by vibration*. The methodologies and criteria in these documents provide the basis of the assessment of noise and vibration for the REF.

3.5.1 Construction noise

The level of impact of construction noise on the community is related to its characteristics; the existing background noise level and the duration of the activity. Impacts are often greater when construction is close to residences or other sensitive land uses and therefore must be controlled as far as practical through physical mitigation measures and management.

The assessment of impacts is undertaken to provide information of potential exceedances of the noise guidelines and the estimated noise level associated with the works. Where construction noise impacts comply with the guidelines it is unlikely that adverse impact would be experienced by the community.

The ICNG describes two methods of assessing noise impacts from construction activities: the quantitative method, which is suited to major and complex construction projects; and the qualitative method, suited to short-term (less than three weeks) works undertaken during standard construction hours. The Prospect Highway

Upgrade Proposal requires assessment using the quantitative method due to the necessary construction schedule. The ICNG recommended standard hours for construction are presented in **Table 3-4**.

Table 3-4 Standard hours of construction

Day	Time
Monday to Friday	7.00am to 6.00pm
Saturday	8.00am to 1.00pm
Sunday and Public Holidays	No work

Due to the nature of road projects, it is not always possible to undertake all construction activities within the standard hours and often works that may require traffic delays or diversions are done outside standard hours. The ICNG recognises the possibility for the works to occur during the evening and night time periods and provides guidance on the appropriate noise limits and procedures to minimise impacts.

Residential receivers

The ICNG identifies NML, which are project-specific noise criteria used to assess the level of impact at a receiver location. These are summarised in **Table 3-5**. The NMLs are derived from the existing background noise levels at representative monitoring locations (refer **Table 2-2**), which are then applied to other locations with similar noise environments within the study area.

The NMLs apply at the property boundary or within 30 metres of the dwelling facade exposed to the construction noise, whichever is closer and are also categorised for standard construction hours and for work to be undertaken outside of standard hours.

Where construction noise is expected to exceed 75 dB(A), affected receivers are classed as 'highly noise affected' and additional limitations on work are applicable, as summarised in **Table 3-5**.

Table 3-5 Construction NMLs (ICNG, DECC 2009)

Time of day	Management level (NML) L_{Aeq} (15 min)*	How to apply
Recommended standard hours Monday to Friday 7.00am to 6.00pm	Noise affected (RBL + 10 dB)	<p>The noise affected level represents the point above which there may be some community reaction to noise.</p> <p>Where the predicted or measured L_{Aeq} (15 min) is greater than the noise affected level, the proponent should apply all feasible and reasonable work practices to meet the noise affected level</p> <p>The proponent should also inform all potentially impacted residents of the nature of works to be carried out, the expected noise levels and the duration, as well as contact details.</p>
Saturday 8.00am to 1.00pm No work on Sundays or public holidays	Highly noise affected (75 dB(A))	<p>The highly noise affected level represents the point above which there may be strong community reaction to noise.</p> <p>Where noise is above this level, the relevant authority (consent, determining or regulatory) may require respite periods by restricting the hours that the very noisy activities can occur, taking into account:</p> <ol style="list-style-type: none"> 1. Times identified by the community when they are less sensitive to noise (such as before and after school for works near schools, or mid-morning or mid-afternoon for works near residences) 2. If the community is prepared to accept a longer period of construction in exchange for restrictions on construction times.
Outside recommended standard hours	Noise affected (RBL + 5 dB)	<p>A strong justification would typically be required for works outside the recommended standard hours</p> <p>The proponent should apply all feasible and reasonable work practices to meet the noise affected level</p> <p>Where all feasible and reasonable practices have been applied and noise is more than 5 dB(A) above the noise affected level, the proponent should negotiate with the community</p> <p>For guidance on negotiating agreements see Section 7.2.2 of the ICNG (DECC, 2009).</p>

Non-residential receivers

The ICNG considers all land use types that may be adversely affected by construction noise. The criteria outlined below apply to non-residential land uses. The locations of schools and churches have been identified along the project corridor, and are shown in **Table 3-6**.

- Industrial premises: external $L_{Aeq(15min)}$ 75 dB(A).
- Offices, retail outlets: external $L_{Aeq(15min)}$ 70 dB(A).
- Classrooms: internal $L_{Aeq(15min)}$ 45 dB(A).
- Places of worship: internal $L_{Aeq(15min)}$ 45 dB(A).
- Passive recreational areas: external $L_{Aeq(15min)}$ 60 dB(A).

Table 3-6 Schools and churches within Proposal area

Receiver ID	Description	Designation	Distance to alignment
668, 698	Shelley Public School	School	90 metres
680	Blacktown Children's Centre	Child care	15 metres
935	Dayton House	Heritage (residential)	85 metres
14	St Bartholomew's Anglican Church and Cemetery	Heritage	100 metres
287	Blacktown Church of Christ	Place of worship	15 metres
4	St Marks Coptic Church	Place of worship	50 metres

3.6 Construction vibration

3.6.1 Human comfort

Vibration from construction activities should comply with the EPA vibration guideline and AS2670.2 (DEC 2006). The NSW EPA classifies vibration as one of three types:

- Continuous – Where vibration occurs uninterrupted and can include sources such as machinery and constant road traffic.
- Impulsive – Where vibration occurs over a short duration (typically less than 2 seconds) and occurs less than three times during the assessment period, which is not defined. This may include activities such as occasional dropping of heavy equipment or loading / unloading activities.
- Intermittent – Occurs where continuous vibration activities are regularly interrupted, or where impulsive activities recur. This may include activities such as rock hammering, drilling, pile driving and heavy vehicle or train pass-bys.

Maximum and preferred values for continuous and impulsive vibration are defined in **Table 3-7**. Application of the criteria considers the level as well as the duration of exposure and the time of day, and similar to the noise criteria, also has separate values for residential and non-residential receivers.

Table 3-7 Preferred and maximum weighted rms values for continuous and impulsive vibration acceleration (m/s²) 1-80 Hz

Location	Assessment period	Preferred values		Maximum values	
		z-axis	x and y axis	z-axis	x and y axis
Continuous vibration					
Critical areas ²	Day or night time	0.0050	0.0036	0.010	0.0072
Residences	Daytime	0.010	0.0071	0.020	0.014
	Night-time	0.007	0.005	0.014	0.010
Offices, schools, educational institutions and places of worship	Day or night time	0.020	0.014	0.040	0.028
Workshops	Day or night time	0.04	0.029	0.080	0.058

Location	Assessment period	Preferred values		Maximum values	
		z-axis	x and y axis	z-axis	x and y axis
Impulsive vibration					
Critical areas ²	Day or night time	0.0050	0.0036	0.010	0.0072
Residences	Daytime	0.30	0.21	0.60	0.42
	Night-time	0.10	0.071	0.20	0.14
Offices, schools, educational institutions and places of worship	Day or night time	0.64	0.46	1.28	0.92
Workshops	Day or night time	0.64	0.46	1.28	0.92

Note

1. Daytime is 7.00am to 10.00pm and night-time is 10.00pm to 7.00am
2. Such as hospital operating theatres or precision laboratories.

Intermittent vibration is defined by DECC (2006) as interrupted periods of continuous vibration (eg a drill) or repeated periods of impulsive vibration (eg piling). This type of impact is assessed using vibration dose values (VDVs). The VDV method is more sensitive to peaks in the acceleration waveform and makes corrections to the criteria based on the duration of the source's operation. The VDV is calculated using the overall weighted rms acceleration of the vibrating source in each orthogonal axis and the duration which the vibration occurs. Preferred and maximum VDVs are defined in Table 3-8 of DECC (2006) and are reproduced in **Table 3-8**.

Table 3-8 Acceptable vibration dose values for intermittent vibration ($\text{ms}^{-1.75}$)

Locations	Daytime (7.00am – 10.00pm)		Night-time (10.00pm – 7.00am)	
	Preferred values	Maximum values	Preferred values	Maximum values
Critical areas ¹	0.10	0.20	0.10	0.20
Residences	0.20	0.40	0.13	0.26
Offices, schools, educational institutions and places of worship	0.40	0.80	0.40	0.80
Workshops	0.80	1.60	0.80	1.60

1. Includes operating theatres, precision laboratories and other areas where vibration sensitive activities may occur.

3.6.3 Structural damage

The OEH vibration guideline does not address the potential for damage to structures. Instead, the *Australian Standard AS2187.2-2006 Explosives – Storage, Transport and Use* provides guidance for the assessment of structural damage to buildings caused by vibration. This section of the standard is based on the British Standard 7385: Part 2 *Evaluation and measurement of vibration in buildings* and is used as a guide to assess the likelihood of building damage from ground vibration including piling, compaction, construction equipment and road and rail traffic. The standard recommends levels at which ‘cosmetic’, ‘minor’ and ‘major’ categories of damage might occur based on the type of structure affected.

The standard uses the peak particle velocity (PPV) parameter to quantify vibration and specifies damage criteria for frequencies within the 4 Hz to 250 Hz range for buildings. The criteria levels identified in the standard are outlined in **Table 3-9**.

Table 3-9 BS 7385 Structural damage criteria

Group	Type of structure	Peak particle velocity (PPV) - mm/s		
		4Hz to 15Hz	15Hz to 40Hz	40Hz and above
1	Reinforced or framed structures Industrial and heavy commercial buildings.	50		
2	Un-reinforced or light framed structures Residential or light commercial type buildings.	15 to 20	20 to 50	50

The levels for structural damage outlined in the standard refer to non-continuous vibration sources and are considered ‘safe limits’ up to which no damage due to vibration effects are expected to occur for the various building types. Where vibration is continuous these levels may be reduced by up to 50 per cent and additional assessment against the standard would be necessary.

Where heritage structures are impacted, the German DIN Standard 4150-3 *Structural Vibration, Part 3: Effects of Vibration on Structures* can be used for guidance. This standard recommends guideline values for short term vibration impacts on heritage structures and have been summarised **Table 3-10**.

Table 3-10 DIN 4150-3 Vibration guidelines for heritage buildings

Type of structure	Guideline values for velocity - mm/s			
	Vibration at the foundation at a frequency of			Vibration at the horizontal plane of the highest floor at all frequencies
	1 Hz to 10 Hz	10 Hz to 50 Hz	50 Hz to 100 Hz	
Heritage buildings	3	3 – 8	8 – 10	8

4. Operational noise impacts

4.1 Traffic modelling parameters

Road traffic noise is influenced by a variety of factors, which affect how it is generated and propagated to receiver locations. The most significant factors in determining the noise level near a busy road are the types and volumes of vehicles that use the road as well as their speed and the road surface type.

All these parameters are incorporated in the modelling process to calibrate the model to existing conditions and then to predict noise levels for future operational scenarios. The list of modelling elements and values used for this proposal are presented in **Table 4-1** and has been incorporated into the noise model accordingly.

Table 4-1 Factors affecting road traffic noise

Variable	Description	Parameters used in noise modelling
Traffic volumes and mix	The number of vehicles using the road as well as the proportion of heavy to light vehicles. A higher ratio of heavy vehicles increases the noise levels proportionally.	<i>Calibration:</i> Traffic numbers based on monitored data for October 2013. <i>Assessment:</i> Traffic numbers based on predicted data for year opening 2018 and design year 2028 for the build and no build options. AADT data supplied by Roads and Maritime.
Traffic speed	An increase in traffic speed generally causes an increase in tyre noise.	The existing speed limit is 60 km/h. The Proposal posted speed will be 60 km/h.
Road surface types	Can be asphaltic concrete, low noise pavement or other types as applicable. Each surface type generates different levels of tyre noise.	The existing wear surface is 15 mm AC spray seal. The surface type for the upgrade will be AC14.
Gradient of roadway	Noise levels change as a result of traffic climbing or descending hills compared with traffic travelling along flat gradients.	As per the concept design information in the noise model.
Ground topography	Natural topographic features such as hills and valleys can shield residences from traffic noise.	ALS combined with 2m contours obtained from the Roads and Maritime.
Height of receivers	May be single or multiple storey residential dwellings. The height of the receiver would influence the exposure to traffic noise and the ability to mitigate adverse impacts.	Assessment height of 1.5 metres above ground terrain. For single storey and 4.5 m for double storey.
Air and ground absorption	Softer surfaces increase noise attenuation with distance. In contrast, harder surfaces reduce attenuation.	For ground absorption the area is urban and is assumed 50% soft ground.
Corrections	Corrections for modelling for façade and L_{A10} to L_{Aeq} .	L_{A10} to L_{Aeq} has a -3dB(A) correction +2.5 dB (A) for facade reflection.

The development of the noise model was based on the above data inputs using the Calculation of Road Traffic Noise (CoRTN) method for prediction of road traffic noise. This method predicts the $L_{A10, 1 \text{ hour}}$ noise levels at a receiver location based on the specific proposal design parameters and traffic volumes.

Current and future traffic forecasts indicate that the highway has a moderate percentage of heavy vehicles for both the day and night (10-12%) therefore the traffic stream was separated into three different source height components for noise emissions from; cars, truck engines and truck exhausts and (0.5 metres, 1.5 metres and 3.6 metres respectively).

4.1.1 Traffic volumes and vehicle mix

The Annual Average Daily Traffic (AADT) data used for the prediction of noise impacts for the Proposal has been developed by SMEC Australia using profiles for the Average Daily Traffic (ADT) flows collected during the monitoring survey. In practice the estimated vehicle movements will vary on a daily or weekly basis depending on seasonal traffic flows and other factors. The calculation of an AADT allows for an average of these movements to be used to assess noise impacts for the Proposal. A complete assessment of traffic data is available in the Traffic and Transport Assessment (SMEC 2013).

For the assessment of future noise impacts, the modelled traffic volumes outline the composition of the traffic stream including total traffic numbers for day and night time and the percentage of heavy vehicles in the traffic mix. The forecast traffic is expected to increase marginally by about two percent with the proposed highway upgrade. This increase in traffic has been accounted for in the modelling of noise impacts for the 'build' scenario.

The data in **Table 4-2** and **Table 4-3** presents the 'no build' traffic forecasts for the year of opening and design year respectively.

Table 4-2 ADT data input to noise model for the year (2018) – No build option

Location	Predicted traffic flows							
	Daytime (15 hour)				Night time (9 hour)			
	Light	Heavy	Total	% Heavy	Light	Heavy	Total	% Heavy
Prospect Highway NB	15,803	1,921	17,724	11%	2,679	318	2,998	11%
Prospect Highway SB	14,824	2,064	16,888	12%	2,968	442	3,409	13%
Blacktown Road NB	13,874	1,671	15,545	11%	2,315	278	2,592	11%
Blacktown Road SB	13,306	1,570	14,877	11%	2,525	275	2,800	10%
Blacktown Road NB	3,781	232	4,013	6%	564	32	596	5%
Blacktown Road SB	5,051	350	5,401	6%	502	44	545	8%
Great Western Highway WB	18,527	975	19,502	5%	2,571	135	2,706	5%
Great Western Highway EB	15,301	805	16,106	5%	3,701	195	3,896	5%
Great Western Highway Off Ramp	940	49	989	5%	874	46	919	5%
Great Western Highway On Ramp	1,941	66	2,008	3%	1,805	62	1,867	3%
M4 Western Freeway EB	36,191	1,760	37,951	5%	6,731	327	7,059	5%
M4 Western Freeway WB	30,327	2,317	32,643	7%	5,641	431	6,072	7%

Table 4-3 ADT data input to noise model for the year (2028) – No build option

Location	Predicted traffic flows							
	Daytime (15 hour)				Night time (9 hour)			
	Light	Heavy	Total	% Heavy	Light	Heavy	Total	% Heavy
Prospect Highway NB	18,123	2,203	20,326	11%	3,073	365	3,438	11%
Prospect Highway SB	17,000	2,367	19,367	12%	3,403	507	3,910	13%
Blacktown Road NB	15,911	1,916	17,827	11%	2,654	318	2,973	11%
Blacktown Road SB	15,260	1,801	17,061	11%	2,896	315	3,211	10%
Blacktown Road NB	4,336	266	4,602	6%	647	37	684	5%
Blacktown Road SB	5,792	401	6,193	6%	575	50	626	8%
Great Western Highway WB	21,246	1,118	22,364	5%	2,948	155	3,104	5%

Location	Predicted traffic flows							
	Daytime (15 hour)				Night time (9 hour)			
	Light	Heavy	Total	% Heavy	Light	Heavy	Total	% Heavy
Great Western Highway EB	17,547	924	18,470	5%	4,244	223	4,468	5%
Great Western Highway Off Ramp	1,078	56	1,134	5%	1,002	52	1,054	5%
Great Western Highway On Ramp	2,226	76	2,303	3%	2,070	71	2,141	3%
M4 Western Freeway EB	41,503	2,019	43,522	5%	7,720	375	8,095	5%
M4 Western Freeway WB	34,778	2,657	37,435	7%	6,469	494	6,963	7%

Similarly the data in **Table 4-4** and **Table 4-5** represents the year of opening and design year for the 'build' option.

Table 4-4 ADT data input to noise model for the year (2018) – Build option

Location	Predicted traffic flows							
	Daytime (15 hour)				Night time (9 hour)			
	Light	Heavy	Total	% Heavy	Light	Heavy	Total	% Heavy
Prospect Highway NB	16,093	1,956	18,049	11%	2,728	324	3,053	11%
Prospect Highway SB	15,096	2,101	17,197	12%	3,022	450	3,472	13%
Blacktown Road NB	14,129	1,702	15,830	11%	2,357	283	2,640	11%
Blacktown Road SB	13,550	1,599	15,150	11%	2,572	280	2,851	10%
Blacktown Road NB	3,850	236	4,087	6%	575	33	607	5%
Blacktown Road SB	5,143	356	5,500	6%	511	45	555	8%
Great Western Highway WB	18,866	993	19,859	5%	2,618	138	2,756	5%
Great Western Highway EB	15,581	820	16,401	5%	3,769	198	3,967	5%
Great Western Highway Off Ramp	957	50	1,007	5%	890	46	936	5%
Great Western Highway On Ramp	1,977	68	2,045	3%	1,839	63	1,901	3%
M4 Western Freeway EB	36,855	1,793	38,647	5%	6,855	333	7,188	5%
M4 Western Freeway WB	30,883	2,359	33,242	7%	5,744	439	6,183	7%

Table 4-5 ADT data input to noise model for the year (2028) – Build option

Location	Predicted traffic flows							
	Daytime (15 hour)				Night time (9 hour)			
	Light	Heavy	Total	% Heavy	Light	Heavy	Total	% Heavy
Prospect Highway NB	18,558	2,256	20,814	11%	3,146	374	3,520	11%
Prospect Highway SB	17,408	2,423	19,831	12%	3,485	519	4,004	13%
Blacktown Road NB	16,293	1,962	18,255	11%	2,718	326	3,044	11%
Blacktown Road SB	15,626	1,844	17,470	11%	2,966	323	3,288	10%
Blacktown Road NB	4,440	273	4,713	6%	663	38	700	5%
Blacktown Road SB	5,931	411	6,342	6%	589	51	641	8%
Great Western Highway WB	21,756	1,145	22,901	5%	3,019	159	3,178	5%

Location	Predicted traffic flows							
	Daytime (15 hour)				Night time (9 hour)			
	Light	Heavy	Total	% Heavy	Light	Heavy	Total	% Heavy
Great Western Highway EB	17,968	946	18,913	5%	4,346	229	4,575	5%
Great Western Highway Off Ramp	1,103	58	1,161	5%	1,026	54	1,080	5%
Great Western Highway On Ramp	2,280	78	2,358	3%	2,120	73	2,193	3%
M4 Western Freeway EB	42,499	2,067	44,566	5%	7,905	384	8,289	5%
M4 Western Freeway WB	35,613	2,721	38,333	7%	6,624	506	7,130	7%

4.1.2 Road design parameters

The proposed road upgrade would provide additional functionality and changes to the existing highway. These changes may affect the nature of noise emissions from traffic using the highway and have been accounted for in the modelling process. Changes to the existing alignment include:

- Provision of kerbside bus lanes north of Lancelot Street, kerbside in both directions. The lanes will function as shared bus through/left turn lanes at the respective intersection approaches.
- New AC14 pavement throughout the alignment.

4.2 Modelling methodology

4.2.1 Procedure

The validated/calibrated noise model is configured to represent four assessment scenarios in accordance with the RNP guidelines. Each of these scenarios uses the traffic data outlined in **Section 2.5 Traffic survey**, the relevant modelling parameters in **Table 4-1** and the road alignment to predict future noise levels.

4.2.2 Modelled scenarios

Evaluation scenarios that apply to all road projects are outlined in the RNP providing a standardised approach to the assessment methodology. The evaluation of operational traffic noise impacts is undertaken for two timeframes:

- Within one year of changed traffic conditions, known as the year of opening.
- For a future design year, typically ten years after the proposed upgrade opens.

For each of these timeframes, a comparison is made between:

- The road traffic noise levels if the Proposal proceeds, known as the 'build option'.
- The corresponding road traffic noise levels, if the Proposal does not proceed, known as the 'no build option'.

Each of these combinations is also considered for both day and night time noise impacts to account for the differences in general noise levels during these different periods.

4.3 Model validation

The noise model requires calibration with a known situation before being used as a tool to predict future traffic noise impacts from the Proposal. The traffic data collected at the same time as the noise monitoring survey are combined in the noise model along with the operational parameters and alignment for the existing road. The results of this modelling process are compared to the actual measured noise level data at each logging location with any differences noted.

This process allows the accuracy of the model to be checked, and where predicted noise levels differ from the measured levels, a correction factor is determined and applied to the prediction of the future assessment scenarios.

Locations M2 to M6 were used to calibrate the model's predictions with the measured traffic noise levels in **Table 2-3**. **Table 4-6** presents the predicted noise levels from the calibration scenario and the measured noise levels from the unattended monitoring at both receiver locations.

Table 4-6 Comparison of measured and modelled road traffic noise levels

Location ID	Day LAeq (15 hour) dB(A)			Night LAeq (9 hour) dB(A)		
	Modelled	Measured	Difference	Modelled	Measured	Difference
M2	56.3	54.7	1.6	51.3	49.1	2.2
M3	66.7	68.1	-1.4	61.4	61.2	0.2
M4	59.2	57.7	1.5	53.6	53.8	-0.2
M5	53.7	53	0.7	48.6	47.7	0.9
M6	64.0	62.1	1.9	58.4	59.0	-0.6
Median of results			1.5			0.2
Standard Deviation			1.3			1.1

The modelled noise levels show an acceptable correlation with the measured levels for the daytime and night time for the current year of operations. In general the noise model tends to over predict impacts with the daytime noise levels around 1.5 dB(A) higher and night time levels around 0.2 dB(A) higher.

The differences at each location are considered to be within an acceptable level of accuracy for the noise model, and therefore the model would be suitable for use in predicting the future assessment scenarios. In accordance with current practices the median calibration values of -1.5 dB(A) day, and -0.2 dB(A) night have been added to the modelled results for future prediction scenarios.

4.4 Predicted noise levels

Using the noise model to predict noise levels for future operational build and no build scenarios, the results for each identified receiver location have been calculated and assessed against the Proposal criteria.

In total, 1150 identified receivers were included in the assessment, including 27 commercial-industrial receivers. As commercial receivers are not eligible for consideration of mitigation measures, 1123 identified receivers were included in the assessment of operational noise impacts. The assessment of noise impacts is presented in Appendix B and a summary of results by NCA is shown in **Table 4-7**. In total, 231 sensitive receivers are recommended for the consideration of further noise mitigation.

Table 4-7 Predicted impacts by NCA

NCA	Number of receivers in NCA	Distance from road corridor (m)	Criteria		Prediction summary	
			L _{Aeq} 15 hr Day	L _{Aeq} 9 hr Night	Non-residential Receivers	Mitigation to be considered
1	14	20 - 140	60	55	3	9
2	34	45 - 270	60	55	0	11
3	112	20 - 330	60	55	0	16
4	16	30 - 400	60	55	16	0
5	141	135 - 280	60	55	0	1
6	102	20 - 130	60	55	1	19
7	68	15 - 160	60	55	2	30
8	83	100 - 300	60	55	0	0
9	66	20 - 220	60	55	1	35
10	200	110 - 320	60	55	0	0
11	116	90- 430	60	55	0	0
12	92	15 - 100	60	55	0	56
13	40	20 - 130	60	55	0	17
14	63	20 - 120	60	55	1	37
15	3	90 - 180	60	55	3	0
TOTAL	1150	-	-	-	27	231

The majority of receivers identified for mitigation are located adjacent to the existing alignment and already experience acute noise levels for either the day or night time periods. Appendix A presents the location of receivers for the Proposal showing those identified for further consideration of mitigation. **Section 4.6 Operational noise mitigation measures** discusses mitigation and outlines preferred noise mitigation options for the Proposal.

4.4.1 Non-residential receivers

Non-residential receivers identified for the project are presented in **Table 4-8**.

Table 4-8 Non-residential operational noise goals

Receiver ID	Description	Designation	Criteria dB(A)
668, 698	Shelley Public School	School	L _{Aeq} , (1 hour) 40 (internal) when in use
680	Blacktown Children's Centre	Child care	L _{Aeq} , (1 hour) 35 (internal) Play areas Indoor 40 (internal) / Outdoor 55 (external)
287	Blacktown Church of Christ	Place of worship	L _{Aeq} , (1 hour) 40 (internal)
4	St Marks Coptic Church	Place of worship*	L _{Aeq} , (1 hour) 40 (internal)

*Also used as a residence

The predicted external noise levels for each of these receivers have been used to estimate an internal noise level in accordance with the RNP criteria. The predicted internal noise level has been estimated for both window open and window closed for a masonry building with the internal level equal to the external levels minus the noise reduction by the building facade. A reduction of 10 dB(A) has been applied where windows are open, with windows closed a facade reduction of 30 dB(A) is used to calculate the internal levels.

The predicted noise levels indicate that the non-residential receiver criteria are likely to be exceeded in all instances where windows remain open to allow fresh air ventilation. Where windows are closed noise levels are likely to be within the project criteria with the exception of Blacktown Children’s Centre. Further inspection and assessment of these buildings would be required to confirm the predicted internal noise levels prior to finalising the noise mitigation requirements for the project.

Table 4-9 Non-residential operational noise goals

Receiver ID	Predicted external level	Criteria dB(A)	Internal level			
			Windows open	Exceeds criteria?	Windows closed	Exceeds criteria?
668, 698	63	L _{Aeq, (1 hour)} 40 (internal) when in use	53	Yes	33	No
680	73	L _{Aeq, (1 hour)} 35 (internal)	63	Yes	43	Yes
	60*	Play area 55 (external)	-	Yes	-	Yes
287	63	L _{Aeq, (1 hour)} 40 (internal)	53	Yes	33	No
4	66	L _{Aeq, (1 hour)} 40 (internal)	56	Yes	36	No

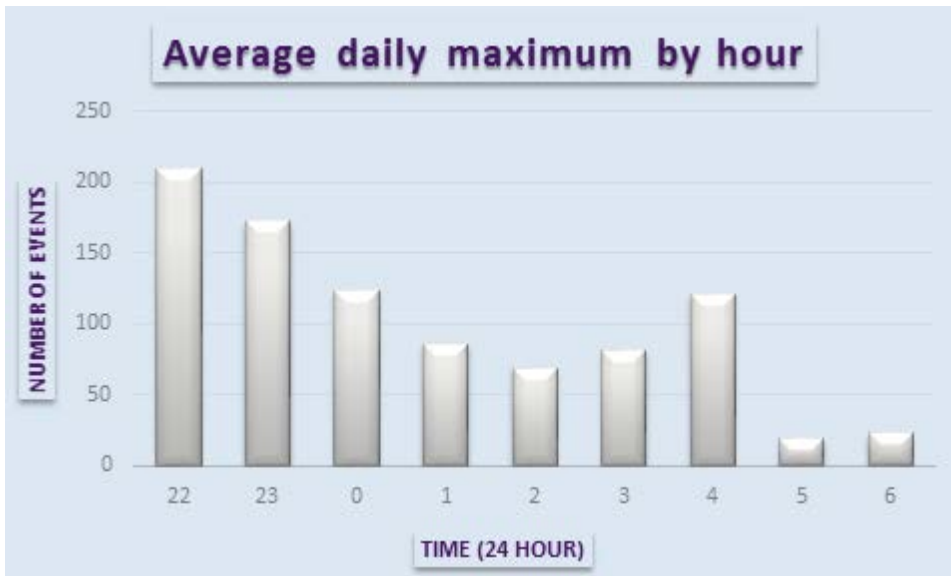
- Outdoor play area only (rear of building)

4.5 Maximum noise level event assessment

The assessment of maximum noise level events considers the range of noise levels that meet the guidelines outlined in **Section 3.4 Maximum noise level assessment – sleep disturbance**. This component of the noise impact assessment does not form part of the criteria for the requirement of noise mitigation for a road upgrade. In considering the impact of maximum noise events generated by individual vehicles, the distribution of occurrences and their levels are used to assist in the prioritisation of mitigation.

To determine the extents of these impacts from the existing alignment, an analysis of the measured maximum noise events was undertaken for the monitoring location at M3 (to be representative of the closest receivers), about 15 metres from the edge of the carriageway. The entire monitoring period was evaluated and averaged to represent typical maximum events during the night time period. The graphs for this assessment indicate how these events are distributed over the night time hours in **Figure 4-1** and the frequency of distribution of noise levels above the calculated threshold are shown in **Figure 4-2**.

Figure 4-1 Maximum noise events by the hour



The maximum noise level events in **Figure 4-1** indicate a steady reduction of these events until about 2:00 am, and then an increase until 4.00am. Interestingly this trend has a close correlation with light vehicle numbers during this period while heavy vehicle numbers remained fairly constant at about 25 vehicles per hour over the same period. This indicates that maximum noise events are not solely related to heavy vehicle movements along the highway at night.

Figure 4-2 Distribution of maximum noise events during the night

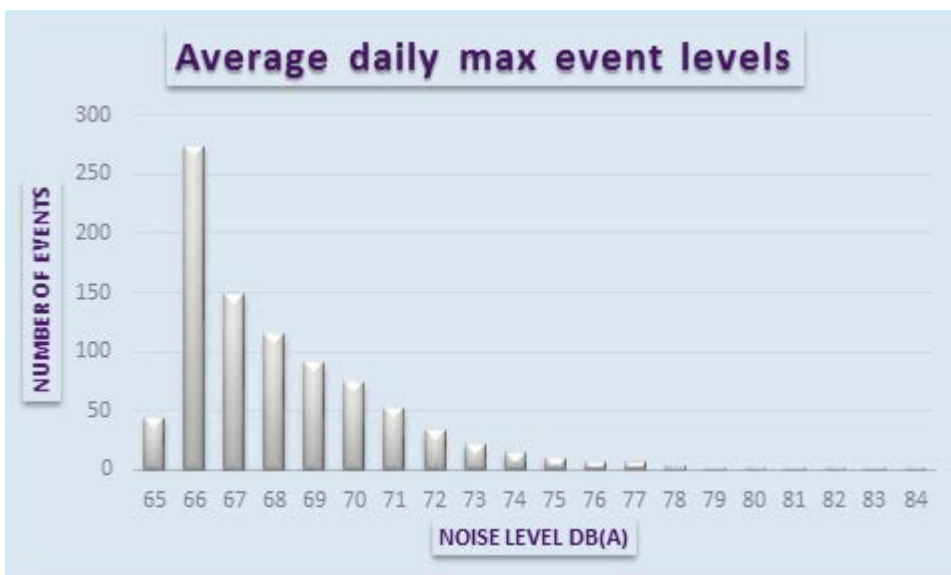


Figure 4-2 indicates that the maximum night time noise level events are mostly around the 66 dB(A) level and the number of identified maximum event levels in the range from 67-75 dB(A) account for about 64% of all measurable events.

The residences range in distance from the highway; however the closest are between 10 and 20 metres from the edge of the road. To estimate an internal noise level, a 10 dB(A) reduction in noise level from outside to inside through a partially open window has been assumed. From the measured data, noise levels within a

residence would be expected to range between about 56 and 65 dB(A) for as many as 900 noise events during an average night. These levels exceed the 50-55 dB(A) range that may cause an awakening from sleep but are lower than the 65-70 dB(A) range for one or two maximum internal noise level events.

Though a new lane is proposed, the upgrade would not reduce the proximity of residences to less than 15 m from the alignment, or generate an increase in the current traffic volume on the road. Therefore the level and frequency of the maximum noise events recorded at location M3 are not likely to change as the result of the proposed works.

4.6 Operational noise mitigation measures

4.6.1 Available mitigation options

For road projects, the process of reducing traffic noise impacts at receiver locations is called mitigation. The application of mitigation measures depends on a variety of factors that are often summarised as feasible and reasonable considerations. Practice Note IV of the ENMM provides guidance in selecting and designing feasible and reasonable treatment and defines feasibility as options that can be practically built or implemented while reasonableness considers the net noise reduction benefit versus the cost and/or any needs of the local community.

Mitigation options may be applied in three distinct ways:

- **At the source:** - such as reducing vehicle noise emissions, low noise pavements, or reduced speed zones.
- **In the transmission path:**- Physical barriers such as noise walls or mounds may be located between the source and the receiver.
- **At the receiver:** - Reducing noise entering into a building by applying architectural acoustic treatments.

Any of these methods or a combination may be applied to a proposal where the noise assessment indicates an exceedance of the guidelines. Receivers identified as requiring treatment are identified in Appendix B and are shown graphically in Appendix A.

4.6.2 Reasonable and feasible options

To assist in determining an appropriate solution, the ENMM provides guidelines for the applicability of these methods in collective and individual receiver cases. The ENMM recognises that, at the concept stage, where all noise design considerations for the alignment have been implemented, additional treatments such as noise barriers, architectural treatments and quiet road surfaces may also be required to reduce noise levels to the criterion values.

Of these three forms of mitigation, noise barriers and low noise pavements have the potential to benefit the largest number of noise sensitive receivers when the receivers are in close proximity to one another. These measures also benefit the local outdoor environment and are therefore the preferred method of noise attenuation. However, the cost to implement these forms of mitigation and the total noise benefit they provide to the Proposal must be considered in order to assess their suitability.

The assessment of low noise pavements is largely controlled by the cost implications for the Proposal and to a lesser degree the constructability of low noise pavements in certain areas. In addition, it is believed that the acoustic benefit from low noise pavements potentially can reduce over time. The performance of low noise pavements is based on the action between the tyre and the road surface and where vehicle speeds are low (70 km/h or less) the benefit from low noise pavements is not fully realised. For the Proposal, the maximum posted speed will be 60 km/h and therefore the use of low noise pavements would not offer the necessary benefit to affected receivers.

To be considered reasonable, noise barriers must meet certain criteria which include the cost of construction and the benefit to the local community. Noise barriers are also subject to constructability and aesthetic considerations. Roads and Maritime considers a noise barrier to generally be reasonable to construct if they meet minimum performance criteria:

- A barrier must provide a benefit of at least 5 dB(A) at the most affected receiver.
- Noise barriers more than 3m high must provide a noise reduction of more than 5 dB(A) at the most affected receiver.
- Noise barriers which are 5 metres high or higher must provide a noise reduction of more than 10 dB(A) at the most affected receiver.
- Noise barriers more than 8 metres high are generally considered visually unacceptable.

In conjunction with the above considerations, noise barriers must also be able to be practically implemented.

Where noise barriers or low noise pavements are not practical or cost effective, mitigation of noise impacts at affected dwellings using architectural treatments is necessary. The objective of this form of mitigation is to achieve noise reduction from outside to inside that would achieve an internal noise level within a habitable room at least 10 dB(A) below external noise goals. The type of building treatments applied to achieve these reductions is considered on an individual basis.

All architectural treatments are limited by the practical application of noise reduction measures to each specific building and are also considered in consultation with the landowner. Practice note (iv) of the ENMM identifies that the treatments provided by the Roads and Maritime would be limited to:

- Fresh air ventilation systems that meet Building Code of Australia requirements with the windows and doors shut.
- Upgraded windows and glazing and solid core doors on the exposed facades of masonry structures only (these techniques would be unlikely to produce any noticeable benefit for light frame structures with no acoustic insulation in the walls).
- Upgrading window and door seals.
- The sealing of wall vents.
- The installation of external screen walls.

4.6.3 Preferred mitigation option

The mitigation options for the Proposal are based on the application of feasible and reasonable considerations for receivers in each NCA. Consideration of the cost of implementation of options is based on information available at the concept design stage; however this is subject to review during any subsequent design stages.

Low noise pavements would not provide any significant noise benefits to residences where vehicle speeds of 60 km/h are in force. This noise mitigation option is therefore not considered feasible or reasonable for this project.

Noise barriers are not a feasible option for all affected receivers for this Proposal. The greatest concentration of affected receivers is in NCAs 6, 7, 9, 12, 13, and 14. In these NCAs, properties have vehicle and pedestrian access to some degree with many residents requiring direct access to their property from Prospect Highway and Blacktown Road. The application of continuous noise barriers in these instances is not feasible when barrier performance constraints are also considered.

Where residents have access to their property from local roads, the implementation of noise barriers may be possible. These locations have been reviewed and a series of potential noise barrier locations have been identified for the Proposal.

The locations of the potential noise barriers are shown in **Appendix A** and would be about 3 metres in height depending on the final design location within the corridor. **Table 4-10** presents the potential noise barrier locations with descriptions and approximate chainages of the start and finish of the barrier. Noise barriers would be designed in accordance with the Roads and Maritime *Noise wall design guideline* (RTA 2006).

Table 4-10 Potential noise barrier locations

Potential noise barrier no.	Location description	Chainages	Length
1	Northern side of Great Western Highway two way link road.	Start of retaining wall at GWH to CH1280	310 metres
2	Eastern side of Prospect Highway south of Harrod Street to Edgeware Road.	CH1650 – CH1825	175 metres
3	Eastern side of Prospect Highway from pedestrian underpass at Old Church Lane to the intersection of Prospect Highway and Blacktown Road.	CH1975 – CH2280	305 metres
4	On the eastern side of Prospect Highway north of Keyworth Drive to north of Topaz Crescent.	CH2880 – CH 3040	160 metres

The preferred option for all other noise sensitive receiver locations identified for mitigation for the Proposal would be architectural treatments. These treatments aim to reduce noise intrusion into the property through acoustically designed fittings with the details of any property treatments considered and agreed individually with affected home owners.

During the detailed design stage of the proposal, further investigations of all potential mitigation options, including potential noise barriers, would be subject to assessment of feasible and reasonable considerations in line with the Roads and Maritime *Environmental Noise Management Manual* (RTA, 2001) and NSW *Road Noise Policy* (OEH, 2011).

5. Construction noise and vibration assessment

5.1 Construction program

Indicative construction staging indicates the Proposal would be delivered in up to five stages, the main elements of which are summarised in **Table 5-1**. The final work methodology for the Proposal would be refined and determined during the detailed design phase. Preliminary works would require the establishment of construction compound sites, stockpile areas and temporary access. Vegetation clearing and grubbing may also be required to undertake utility relocations.

5.1.1 Construction hours and timing

Construction works for the Proposal would generally be carried out during standard working hours where practicable, as follows:

- Monday to Friday, 7am to 6pm.
- Saturday, 8am to 1pm.
- Sunday and Public Holidays, no work.

Some night and weekend works would be required, subject to permitted road occupancy licences and construction staging. Should any out of hours work be required, works would be undertaken in line with procedures contained within the Office of Environment and Heritage (OEH) *Interim Construction Noise Guideline* (DECC 2009) and the Roads and Maritime *Environmental Noise Management Manual* (RTA 2001). Procedures would include notifying the local community prior to the start of any works.

The timing of construction activities is unknown at this stage. It is possible the earliest construction start date could be late 2015 with the year of opening no sooner than 2018. Indicative durations of each construction stage are shown in **Table 5-1**.

Table 5-1 Indicative construction timing

Stage	Work element	Approximate duration
1	<ul style="list-style-type: none"> • Construct temporary pavement within existing median and roundabout at the intersection of Prospect Highway / Reconciliation Road / Reservoir Road. • Construct the northbound carriageway, west of the existing Prospect Highway corridor between Reconciliation Road and Blacktown Road. • Construct the southern side of Reservoir Road up to Picrite Close, west of the Prospect Highway / Reconciliation Road intersection. • Construct the proposed two span bridges over the M4 Western Motorway and Great Western Highway, west of the existing bridges. • Construct the new two way link road, keeping the existing Great Western Highway eastbound exit ramp open to traffic. • Construct the median on the Great Western Highway, west of the Prospect Highway corridor. • Additional staging at the intersection of Reservoir Road / Picrite Close to maintain all movements at the intersection during stage 1 works. 	12 months
2	<ul style="list-style-type: none"> • Switch traffic onto the newly constructed northbound carriageway between Reconciliation Road and Blacktown Road. • Switch traffic onto the southern side of Reservoir Road, west of the Prospect Highway / Reconciliation Road intersection. 	9 months

Stage	Work element	Approximate duration
	<ul style="list-style-type: none"> • Open the two way link road to traffic. • Construct the southbound carriageway, closing the existing lanes between the Great Western Highway bridge and M4 Western Motorway eastbound entry ramp. Traffic would use the newly constructed northbound carriageway in both directions. • Access between Ponds Road and Prospect Highway would be provided using the newly constructed two way link road. • Additional staging at the intersections of Prospect Highway / Reservoir Road / Thornley Road, Prospect Highway / M4 Western Motorway westbound exit ramp, Prospect Highway / M4 Western Motorway eastbound entry ramp, Prospect Highway / two way link road and Prospect Highway / Stoddart Road would be required to maintain all movements at the intersection during stage 2 works. 	
3	<ul style="list-style-type: none"> • Open both the northbound and southbound carriageways to traffic. • Reconstruct temporary pavement on the northbound Prospect Highway carriageway, for a length of about 120 metres north of Reservoir Road. • Additional staging at the intersections of Prospect Highway / Reservoir Road, Prospect Highway / M4 Western Motorway westbound entry ramp, Prospect Highway / M4 Western Motorway eastbound exit ramp, Prospect Highway / Stoddart Road, Prospect Highway / Harrod Street and Prospect Highway / Blacktown Road would be required to maintain all movements at the intersection during stage 3 works. 	3 months
4	<ul style="list-style-type: none"> • Construct the northbound carriageway between Lancelot Street and north of St Martins Crescent. • Construct about 30 metres of temporary pavement of the existing southbound shoulder, south of Vesuvius Street to strengthen the pavement for traffic. • Reduce the width of the existing left turn bay into the child care centre. • Remove existing pedestrian crossing on Prospect Highway, south of Keyworth Drive. • Relocate existing northbound bus stops, north of Keyworth Drive and Tudor Avenue to the temporary verge area. • Divert Tudor Avenue traffic to Keyworth Drive. • Close Keyworth Drive intersection and divert traffic to Tudor Avenue. Open newly constructed Keyworth Drive intersection, close Tudor Avenue intersection and divert traffic to Keyworth Drive. • Remove the existing northbound bus stop north of Tudor Avenue. 	6 months
5	<ul style="list-style-type: none"> • Construct the southbound carriageway between Lancelot Street and north of St Martins Crescent. • Construct pedestrian footpath on eastern side of Prospect Highway between Roger Place and Keyworth Drive. • Replace existing informal service road with formal property accesses, west of the Prospect Highway corridor. • Temporarily remove the southbound bus stop north of Keyworth Drive. • Temporarily remove the southbound bus stop adjacent to Roger Place. • Additional staging at Prospect Highway / Roger Place intersection would be required to maintain access during stage 5 works. 	6 months

5.1.2 Construction activities

Management of community impacts, including noise and vibration, resulting from construction activity would be guided by a Construction Environmental Management Plan (CEMP) that would be developed in accordance with the requirements of Roads and Maritime QA Specification G36 Environmental Protection (Management System). Work would be located within the works area specified within the CEMP and completed to incorporate all safeguards as described in the Proposal's REF and any other relevant Roads and Maritime environmental specifications.

The Proposal would involve the following general activities to complete the proposed works:

- Pre-construction identification and marking of sensitive areas as identified in the proposal's REF and the CEMP.
- Establishment of temporary fencing.
- Installation of temporary erosion, sediment and water quality controls.
- Establishment of construction compound sites and access. Setting up of construction compound and stockpile areas including extension and provision of services to the compound.
- Temporary traffic signals where required. Installation of traffic management measures such as placing safety barriers.
- Surveys, investigations and setting out of works in accordance with design plans.
- Vegetation clearing and grubbing including tree removal where necessary.
- Property adjustment works.
- Stripping, stockpiling and management of topsoil and unsuitable material.
- Earthworks for pavement construction.
- Bulk earthworks. Forming of embankments for the new bridge construction.
- Bridge works including the substructure, abutment and superstructure.
- Retaining wall works including the foundation works, construction of walls and back filling.
- Drainage works installation of cross and longitudinal drainage.
- Works related to council detention basin including dredging.
- Carriageway construction including pavement and compaction of select fill, sub base, and asphalt wearing surface.
- Kerb and gutter work.
- Construction of shared and pedestrian pathways.
- Topsoil rehabilitation, revegetation and landscaping.
- Installation of permanent traffic control signals.
- Landscaping works.
- Rehabilitation of temporary stockpiles including decommissioning of construction compound and stockpile areas.
- Finishing works including installation of safety barriers, fencing, pavement marking, signposting, and street lights.
- Site clean-up.

5.2 Description of plant and activities

5.2.1 Construction activities

It is anticipated that the plant and equipment requirements for each type of construction activity would consist of the following items outlined in **Table 5-2**. Confirmation of actual plant and equipment requirements for the Proposal would be provided during the construction planning phase; however, this list provides a suitable basis for assessing construction activities. The sound power level of each item of plant has been estimated for modelling of noise impacts for the Proposal and is also listed in **Table 5-2**.

Table 5-2 Indicative construction plant and equipment

Construction phase	Activities	Typical plant and equipment	SWL
Site establishment	Line marking	Line marking plant	105
		Vegetation clearing	Chain saw
	Vegetation clearing	Chipper (mulcher)	106
		Elevated working platform	89
		Mobile Crane (25 tonne)	100
		Truck (12-15 tonne)	100
		Sediment control and safety barriers	Flatbed truck
	Sediment control and safety barriers	Franna crane	98
		Excavator (6 tonne)	96
		Back Hoe (7.5 tonne)	96
Earthworks		Retaining walls	Excavator (6 tonne)
	Tipper truck		98
	Piling rig small (bored)		107
	Concrete Truck / Agitator - discharging		103
	Earthworks	Excavator (10 tonne)	100
		Dozer	100
		Truck (25t)	107
		Vibratory Roller (10 - 12 tonne)*	109
		Grader	100
	Demolition of existing pavement	Tipper truck	98
		Excavator (6 tonne)	96
		Concrete saw*	115
		Jackhammer*	111
Dredge storm water retention basin	Excavator (10 tonne)	100	
	Truck (10 tonne)	100	
Drainage	Storm water/drainage works	Truck (HIAB)	101
		Franna crane	98
		Concrete saw*	115
		Back Hoe (7.5 tonne)	96
		Concrete Truck / Agitator - discharging	103
Bridgeworks	Bored piling	Piling rig large (bored)	111

Construction phase	Activities	Typical plant and equipment	SWL
		Excavator (15 tonne)	107
		Concrete pump	110
		Concrete Truck / Agitator - discharging	103
	Pier placement	Mobile Crane (100 tonne)	100
		Franna crane	98
		Grinder 4*	98
	Launching girders	Mobile Crane (100 tonne)	100
		Franna crane	98
		Flatbed truck	93
	Deck works (including concrete pavement)	Grinder 4*	98
		Concrete Truck / Agitator - discharging	103
		Concrete pump	110
		Concrete vibrator	100
Pavement saw cutting	Concrete saw (soff-cut)*	99	
Paving	Select material placement	Truck, dump articulated	108
		Excavator (20 tonne)	105
		Vibratory Roller (10 - 12 tonne)*	109
		Grader	100
		Compactor	100
	Asphalting	Asphalt paver and tipper	105
		Smooth drum roller*	100
		Roller (road)	108
Ancillary sites	Site compound set-up	Grader	100
		Tipper truck	98
		Vibratory roller (light)*	109
		Franna crane	98
		Compressor	93
		Generator (small)	94
	Site compound operation	Generator	102
		Truck (HIAB)	101
		Compressor	93
		Semi-trailer	100
		Ute	85
		Tipper truck	98
		Front end loader	110

*Denotes application of 5 dB(A) penalty for 'annoyance' as defined in the ICNG.

5.2.2 Ancillary facilities

Five construction and stockpiling compounds have been identified as potential ancillary sites for the Proposal and would be established during construction. The main construction compounds would typically include a combination of demountable offices, meal rooms, toilets/showers and parking facilities (where possible).

Sites used for stockpiling would be required to store materials such as spoil, stripped topsoil, excavated rock and building materials. Other facilities would typically allow for lay down areas, equipment storage, maintenance sheds, and chemical/fuel stores. The final location of the stockpile areas would be subject to the site location criteria set out in the Roads and Maritime's *Stockpile Site Management Procedures* (RTA 2011). The proposed locations of ancillary sites for the Proposal are shown in **Table 5-3** and illustrated in **Figure 1-1**.

Table 5-3 Indicative ancillary site locations

Compound number	Chainage	Street address, Lot, DP	Property area (ha)
1	560 R	Thornley Road, Lot 26 / DP 801210	1.44
2	1060 L	Prospect Highway opposite Ponds Road, Lot 54 / DP 1144623	0.42
3	1120 R	Prospect Highway/Ponds Road, Lot 1 / DP 124950	1.59
4	1530 L	Prospect Highway opposite Stoddart Road, Lot 91 and Lot 92 / DP 803853	0.87 and 0.47
5	3100 R	Vacant land Topaz Crescent, opposite 170 Blacktown Road, Lot 20//DP817295	0.7

5.2.3 Construction scenarios for assessment

As described in **Section 5.1 Construction program**, works will be carried out in five stages, comprising construction activities in different locations at different times. Each main construction activity has been assessed, with stages during which they are likely to occur summarised in **Table 5-4**. Site compounds may be established and operated at any stage during the project so are listed as a third category for assessment.

Table 5-4 Construction stages and associated activities

Reference	Activity	Construction scenarios				
		Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
0	Line marking	Yes	Yes	Yes	Yes	Yes
1	Clearing	Yes	Yes	-	Yes	Yes
2	Set up safety barriers	Yes	Yes	Yes	Yes	Yes
3	Retaining walls	Yes	-	-	-	-
4	Earthworks	Yes	Yes	Yes	Yes	Yes
5	Demolition of existing pavement	Yes	Yes	-	Yes	Yes
6	Dredge basin	Yes	-	-	-	-
7	Storm water/drainage works	Yes	Yes	-	Yes	Yes
8	Bridge works (piling)	Yes	-	-	-	-
9	Bridgeworks (pier placement)	Yes	-	-	-	-
10	Bridgeworks (launch girders)	Yes	-	-	-	-
11	Bridgeworks (Deck works)	Yes	-	-	-	-
12	Paving (concrete saw cuts)	Yes	-	-	-	-
13	Paving (select placement)	Yes	Yes	-	Yes	Yes
14	Paving (asphalt)	Yes	Yes	Yes	Yes	Yes
15	Ancillary facility establishment					
16	Ancillary facility operation					

5.3 Construction noise management levels

The determination of Noise Management Levels (NMLs) is discussed in detail in **Section 3.5 Construction criteria**. These levels form the basis of the criteria for construction noise assessment and management for all sensitive receiver locations adjacent to the proposed alignment upgrade. The Noise Catchment Areas (NCA) group locations with similar noise exposures together and apply the appropriate day, evening, or night time NML based on the unattended noise monitoring in **Section 2.4 Measured noise levels**. The NCAs and the respective NML for each assessment period within the study area are presented in **Table 5-5**.

Table 5-5 Proposal construction Noise Management Levels

Noise Catchment Area	NML dB(A)		
	Daytime 7:00am – 6:00pm (LAeq)	Evening 6:00pm – 10:00pm (LAeq)	Night-time 10:00pm – 7:00am (LAeq)
1	55	50	47
2	55	51	44
3	55	51	44
4	60	54	44
5	48	41	35
6	57	50	41
7	60	54	44
8	52	47	42
9	57	50	41
10	52	47	42
11	48	41	35
12	64	55	42
13	64	55	42
14	64	55	42
15	64	55	42

In addition to the NMLs identified in **Table 5-5**, where receivers are exposed to construction noise above 75dB(A), they would be classed as ‘highly noise affected’, in line with the ICNG criteria, and therefore would be prioritised for mitigation. Details of mitigation and management measures for the Proposal are outlined in **Section 5.7 Construction noise and vibration control**.

5.4 Predicted noise impacts

5.4.1 Construction assessment method

Airborne noise generated by the construction activities listed in **Table 5-2** and their associated plant and equipment have been incorporated in the predictive noise model, SoundPlan. This three-dimensional model accommodates noise source and receiver locations, ground and air absorption as well as acoustic shielding provided by intervening topography and structures.

The predicted range of potential impacts are the maximum levels with works at their closest point to each receiver within each NCA and will inevitably depend on the ultimate type and number of plant items operating at any one time in any location as well as the way in which they are operated. Results are considered conservative; however provide a suitable indication as to the likelihood of adverse impacts on the community.

5.4.2 Predicted noise levels

Construction noise levels have been predicted at all receiver locations within the study area and $L_{Aeq, 15 \text{ minute}}$ results are presented with comparison against day, evening and night NMLs. Detailed results of each receiver and activity are presented in **Appendix D Predicted construction noise results**. A summary of predicted results is presented in **Table 5-7** for each major activity.

The predicted noise levels for each stage of construction indicate that there is a high risk of adverse noise impacts to receivers close to the construction works, particularly those within 20m of Prospect Highway. NCA's most likely to be noise affected throughout the works are those fronting Prospect Highway and Blacktown Road with the level of impact varying as each construction stage progresses. A summary of the NCAs affected by each stage and specific activities is shown in **Table 5-6**.

Predicted results indicate that earthworks, drainage, paving and demolition of existing infrastructure are likely to result in the greatest number of exceedances of the daytime NML, some of these more than 25 dB(A) over the NML at receivers in very close proximity to the works. Works associated with bridge construction should meet or only slightly exceed the NMLs during the day since they are a large distance from the nearest receivers.

Table 5-6 Summary of the most affected NCAs during each stage of construction

Stage	Indicative work locations	Most affected NCAs	Activities likely to result in highest noise levels
1	<ul style="list-style-type: none"> • Intersection of Reservoir Road, Reconciliation Road and prospect Highway. • Northbound Prospect Highway carriageway from Reconciliation Road to Blacktown Road. • Reservoir Road to Picrite Close. • Bridges over M4 Western Motorway and Great Western Highway. • New two-way link road. • Median of Great Western Highway. 	3, 6, 7, and 9	<ul style="list-style-type: none"> • Retaining walls • Earthworks • Paving • Drainage • Demolition
2	<ul style="list-style-type: none"> • Southbound Prospect Highway carriageway between Reconciliation Road and Blacktown Road. 	1, 3, 7 and 9	<ul style="list-style-type: none"> • Earthworks • Paving • Drainage • Demolition
3	<ul style="list-style-type: none"> • Northbound Prospect Highway carriageway, for a length of about 120 metres north of Reservoir Road. 	1	<ul style="list-style-type: none"> • Earthworks • Paving
4	<ul style="list-style-type: none"> • Northbound Prospect Highway carriageway between Lancelot Street and north of St Martins Crescent. • Southbound shoulder, south of Vesuvius Street to strengthen the pavement for traffic. 	9, 12, 13 and 14	<ul style="list-style-type: none"> • Earthworks • Paving • Drainage • Demolition
5	<ul style="list-style-type: none"> • Southbound Prospect Highway carriageway between Lancelot Street and north of St Martins Crescent. 	9, 12, 13, and 14	<ul style="list-style-type: none"> • Earthworks • Paving • Demolition

5.4.3 Sleep disturbance

The ICNG requires that, where works are expected to extend over more than two consecutive nights, the assessment should address the likelihood of sleep disturbance on nearby residences. Works are planned to be carried out during standard hours and therefore the likelihood of more than two consecutive nights of construction work is low.

However, based on the predicted noise levels for standard working hours, the $L_{A1, 1 \text{ minute}}$ noise levels for each construction activity have been predicted and are presented in **Table 5-8**. Exceedances of the sleep disturbance criterion, $RBL + 15 \text{ dB(A)}$, are expected at those receivers closest to the works for the majority of proposed activities.

5.4.4 Highly noise affected

Table 5-9 summarises the number of receivers in the study area predicted to exceed each of the NMLs for each activity. It is evident that earthworks, demolition and paving activities would have the highest impact on the community so should be restricted to standard hours where possible.

Around 40 receivers are likely to experience noise levels greater than 75 dB(A) at some time during the project. Again, earthworks, demolition and paving are likely to be the activities responsible for these noise levels.

5.4.5 Construction traffic

Construction is proposed to be staged to allow Prospect Highway to remain open to traffic, with only partial lane closures. Heavy and light vehicular traffic associated with construction, including those required for delivery of materials, would generally use the M4 Western Motorway and Great Western Highway to get to and from Prospect Highway. Construction vehicles would also travel to and from potential construction compounds, which, at this stage, have been indicatively identified (see **Figure 1-1**).

Prospect Hwy currently accommodates over 35,000 vehicles per day and, similarly, the Great Western Highway and M4 Western Motorway accommodate over 30,000 and 70,000 vehicles per day respectively. Under the assumption that traffic generated by construction of the Proposal adds around 100 movements per day to the road network, this would translate to an increase in noise levels of less than 0.02 dB(A), which is indiscernible. Therefore, construction traffic is not considered to represent a high risk of adverse impact.

Table 5-7 Predicted $L_{Aeq, 15 \text{ minute}}$ construction noise levels

NCA	Number of receivers in NCA	Distance from road corridor (m)	NML			Predicted $L_{Aeq, 15 \text{ minute}}$ noise level, dB(A)														
			Day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demo	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier place	10. Girders	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
1	14	20 - 140	55	50	47	37 - 57	44 - 59	37 - 61	26 - 57	52 - 78	49 - 75	0 - 0	43 - 69	27 - 57	22 - 52	16 - 46	25 - 54	18 - 48	51 - 77	46 - 72
2	34	45 - 270	55	51	44	35 - 41	43 - 52	35 - 46	39 - 46	50 - 61	41 - 47	0 - 25	41 - 52	41 - 47	36 - 42	30 - 36	38 - 44	32 - 38	49 - 60	44 - 55
3	112	20 - 330	55	51	44	33 - 51	41 - 72	35 - 59	33 - 74	51 - 80	47 - 71	6 - 33	42 - 71	35 - 60	30 - 55	24 - 49	32 - 58	26 - 51	50 - 79	45 - 74
4	16	30 - 400	60	54	44	27 - 53	34 - 57	25 - 58	29 - 59	40 - 78	37 - 75	8 - 31	31 - 69	28 - 59	23 - 53	17 - 47	26 - 56	19 - 48	39 - 77	34 - 72
5	141	135 - 280	48	41	35	34 - 40	23 - 53	32 - 44	0 - 43	47 - 60	44 - 57	13 - 49	38 - 51	0 - 47	0 - 41	0 - 35	0 - 44	0 - 38	46 - 59	41 - 54
6	102	20 - 130	57	50	41	35 - 56	24 - 64	34 - 65	0 - 45	48 - 84	45 - 81	14 - 65	39 - 75	0 - 48	0 - 43	0 - 37	0 - 45	0 - 39	47 - 83	42 - 78
7	68	15 - 160	60	54	44	36 - 54	28 - 68	37 - 62	16 - 46	51 - 82	49 - 79	14 - 48	42 - 73	0 - 48	0 - 43	0 - 37	0 - 45	0 - 39	50 - 81	45 - 76
8	83	100 - 300	52	47	42	33 - 44	37 - 55	32 - 47	25 - 43	48 - 63	45 - 60	18 - 39	39 - 54	27 - 46	21 - 41	15 - 35	24 - 43	18 - 37	47 - 62	42 - 57
9	66	20 - 220	57	50	41	36 - 55	18 - 48	33 - 63	0 - 37	49 - 81	46 - 78	9 - 40	40 - 74	0 - 40	0 - 35	0 - 29	0 - 37	0 - 31	48 - 80	43 - 75
10	200	110 - 320	52	47	42	33 - 41	0 - 42	31 - 44	0 - 32	46 - 58	43 - 55	0 - 33	37 - 50	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	45 - 57	40 - 53
11	116	90- 430	48	41	35	22 - 42	0 - 37	23 - 48	0 - 0	37 - 64	34 - 61	0 - 23	28 - 55	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	36 - 63	31 - 58
12	92	15 - 100	64	55	42	37 - 61	0 - 38	44 - 67	0 - 0	58 - 84	55 - 81	0 - 29	49 - 75	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	57 - 83	52 - 78
13	40	20 - 130	64	55	42	35 - 55	0 - 37	38 - 61	0 - 0	54 - 81	51 - 78	0 - 28	45 - 74	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	53 - 80	47 - 74
14	63	20 - 120	64	55	42	32 - 58	0 - 0	35 - 68	0 - 0	49 - 84	46 - 81	0 - 0	40 - 77	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	48 - 83	43 - 77
15	2	90 - 180	64	55	42	32 - 37	0 - 0	36 - 43	0 - 0	49 - 55	46 - 52	0 - 0	40 - 46	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	48 - 54	43 - 49



Table 5-8 Predicted $L_{A1, 1 \text{ minute}}$ noise levels for assessment of sleep disturbance

NCA	Number of receivers in NCA	Distance from road corridor (m)	Sleep disturbance	Predicted $L_{A1, 1 \text{ minute}}$ noise level, dB(A)														
			Screening criterion RBL + 15 dB(A)	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demo	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier place	10. Girders	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
1	14	20 - 140	57	45 - 65	52 - 67	45 - 69	34 - 65	60 - 86	57 - 83	0 - 0	51 - 77	35 - 65	30 - 60	24 - 54	33 - 62	26 - 56	59 - 85	54 - 80
2	34	45 - 270	54	43 - 49	51 - 60	43 - 54	47 - 54	58 - 69	49 - 55	0 - 33	49 - 60	49 - 55	44 - 50	38 - 44	46 - 52	40 - 46	57 - 68	52 - 63
3	112	20 - 330	54	41 - 59	49 - 80	43 - 67	41 - 82	59 - 88	55 - 79	14 - 41	50 - 79	43 - 68	38 - 63	32 - 57	40 - 66	34 - 59	58 - 87	53 - 82
4	16	30 - 400	54	35 - 61	42 - 65	33 - 66	37 - 67	48 - 86	45 - 83	16 - 39	39 - 77	36 - 67	31 - 61	25 - 55	34 - 64	27 - 56	47 - 85	42 - 80
5	141	135 - 280	45	42 - 48	31 - 61	40 - 52	0 - 51	55 - 68	52 - 65	21 - 57	46 - 59	0 - 55	0 - 49	0 - 43	0 - 52	0 - 46	54 - 67	49 - 62
6	102	20 - 130	51	43 - 64	32 - 72	42 - 73	0 - 53	56 - 92	53 - 89	22 - 73	47 - 83	0 - 56	0 - 51	0 - 45	0 - 53	0 - 47	55 - 91	50 - 86
7	68	15 - 160	54	44 - 62	36 - 76	45 - 70	24 - 54	59 - 90	57 - 87	22 - 56	50 - 81	0 - 56	0 - 51	0 - 45	0 - 53	0 - 47	58 - 89	53 - 84
8	83	100 - 300	52	41 - 52	45 - 63	40 - 55	33 - 51	56 - 71	53 - 68	26 - 47	47 - 62	35 - 54	29 - 49	23 - 43	32 - 51	26 - 45	55 - 70	50 - 65
9	66	20 - 220	51	44 - 63	26 - 56	41 - 71	0 - 45	57 - 89	54 - 86	17 - 48	48 - 82	0 - 48	0 - 43	0 - 37	0 - 45	0 - 39	56 - 88	51 - 83
10	200	110 - 320	52	41 - 49	0 - 50	39 - 52	0 - 40	54 - 66	51 - 63	0 - 41	45 - 58	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	53 - 65	48 - 61
11	116	90 - 430	45	30 - 50	0 - 45	31 - 56	0 - 0	45 - 72	42 - 69	0 - 31	36 - 63	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	44 - 71	39 - 66
12	92	15 - 100	52	45 - 69	0 - 46	52 - 75	0 - 0	66 - 92	63 - 89	0 - 37	57 - 83	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	65 - 91	60 - 86
13	40	20 - 130	52	43 - 63	0 - 45	46 - 69	0 - 0	62 - 89	59 - 86	0 - 36	53 - 82	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	61 - 88	55 - 82
14	63	20 - 120	52	40 - 66	0 - 0	43 - 76	0 - 0	57 - 92	54 - 89	0 - 0	48 - 85	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	56 - 91	51 - 85
15	2	90 - 180	52	40 - 45	0 - 0	44 - 51	0 - 0	57 - 63	54 - 60	0 - 0	48 - 54	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	56 - 62	51 - 57

Table 5-9 Predicted number of exceedances of the NMLs by range and activity plus number of highly noise affected (all NCAs)

Construction		Number of exceedances of NML by range (all NCAs)												Highly noise affected
		Day			Weekend Day			Evening			Night			
Stage	Activity	0-5 minor	5-15 moderate	15-25 high	0-5 minor	5-15 moderate	15-25 high	0-5 minor	5-15 moderate	15-25 high	0-5 minor	5-15 moderate	15-25 high	>75 dB(A)
1	00. Line marking	40	1	0	57	41	0	59	51	0	88	31	0	0
	01. Clearing	47	28	1	73	74	2	87	82	2	117	105	12	0
	02. Safety barriers	43	56	0	110	92	7	128	96	9	150	119	12	0
	03. Retaining walls	13	14	6	29	23	10	22	26	10	36	30	14	0
	04. Earthworks	236	244	108	429	363	225	401	428	221	274	563	248	42
	05. Demo	149	167	79	336	276	119	388	307	112	446	342	146	38
	06. Dredge basin	3	1	0	4	4	0	4	4	1	7	6	1	0
	07. Drainage	134	76	58	144	180	88	146	197	90	183	239	114	1
	08. Bridges piling	27	0	0	31	27	0	37	31	0	73	39	0	0
	09. Pier place	0	0	0	24	0	0	29	0	0	28	10	0	0
	10. Girders	0	0	0	0	0	0	0	0	0	1	0	0	0
	11. Bridge deck	6	0	0	29	6	0	26	13	0	29	28	0	0
	12. Paving cuts	0	0	0	1	0	0	2	0	0	17	0	0	0
	13. Paving select placement	179	228	95	453	313	189	448	356	201	331	501	249	41
14. Paving asphalt	136	130	65	181	232	99	217	255	96	347	278	138	25	

5.4.6 Ancillary facilities

Establishment and operation of the proposed ancillary facilities are likely to meet or only slightly exceed the NML during the day period at most sensitive receivers. However, receivers within close proximity (<20 metres) to these facilities, as demonstrated in NCA 3 with the nearest receiver at 10 metres from the nearest site compound boundary, are likely to experience substantial noise levels which will require careful management.

Where ancillary facilities are operated during the night period, it is likely that the relevant NML will be exceeded at most of the nearest receivers. Particular care in the design and use of compounds during the night period will be required.

Table 5-10 Predicted construction noise levels for ancillary facilities

NCA	Number of receivers in NCA	Distance from road corridor (m)	NML			Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Evening	Night	15. Site compound establish	16. site compound operate
1	14	80 - 320	55	50	47	45 - 56	46 - 57
2	34	470 - 600	55	51	44	40 - 44	41 - 45
3	112	10 - 220	55	51	44	34 - 69	35 - 70
4	16	60 - 400	60	54	44	31 - 59	32 - 60
5	141	180 - 600	48	41	35	30 - 46	31 - 47
6	102	160 - 800	57	50	41	28 - 51	29 - 52
7	68	140 - 740	60	54	44	31 - 53	32 - 54
8	83	240 - 670	52	47	42	29 - 46	30 - 47
9	66	300 - 700	57	50	41	25 - 43	26 - 44
10	200	65 - 780	52	47	42	32 - 56	33 - 57
11	116	150 - 480	48	41	35	24 - 48	25 - 49
12	92	40 - 370	64	55	42	25 - 59	26 - 60
13	40	25 - 270	64	55	42	27 - 66	28 - 67
14	63	20 - 550	64	55	42	32 - 66	33 - 67
15	2	450 - 550	64	55	42	35 - 38	36 - 39

5.6 Construction vibration assessment

Where vibration intensive plant is used, such as rock breakers and vibratory rollers, vibration must be managed to minimise disturbance to building occupants and avoid damage to buildings and other structures. The Transport for NSW Construction Noise Strategy (TfNSW 2012) recommends safe working distances for typical items of vibration intensive plant that must be complied with at all times unless otherwise approved by the relevant authority.

The safe working distances presented in **Table 5-11** are indicative and will vary depending on the item of plant and local geotechnical conditions. The cosmetic damage thresholds apply to typical buildings under typical geotechnical conditions and vibration monitoring is recommended at specific sites. Where structures are more sensitive such as heritage items, more stringent conditions may be applicable and should be considered individually.

In relation to human response, the safe working distances relate to continuous vibration. For most construction activities, vibration emissions are intermittent and higher vibration levels over shorter periods are acceptable. Additional assessment should be undertaken where the human response criteria are exceeded.

Vibration intensive plant scheduled to be operated during the scheduled works include:

- Vibratory rollers during earthworks.
- Jack hammers during demolition of existing structures/pavement.
- Pile boring for bridgeworks.

Based on the recommended safe working distances for cosmetic structural damage and human comfort, described in **Table 5-11**, it is likely that the human response screening value for 10 – 12t vibratory rollers would be exceeded and, for some residences with 20m of works, the cosmetic damage criterion may be exceeded.

For jack hammering and pile boring, it is unlikely that either cosmetic damage or human comfort impacts would be experienced.

Table 5-11 Safe working distances for vibration intensive plant (TfNSW 2013)

Plant item	Rating/description	Safe working distance	
		Cosmetic damage (British Std 7385)	Human response (DECCW)
Vibratory roller	<50 kN (typically 1-2 t) <100 kN (typically 2-4 t) <200 kN (typically 4-6 t) <300 kN (typically 7-13 t) >300 kN (typically 13-18 t) >300 kN (> 18 t)	5 m 6 m 12 m 15 m 20 m 25 m	15 m to 20 m 20 m 40 m 100 m 100 m 100 m
Small hydraulic hammer	300 kg – 5 to 12 t excavator	2 m	7 m
Medium hydraulic hammer	900 kg – 12 to 18t excavator	7 m	23 m
Large hydraulic hammer	1600 kg – 18 to 34 t excavator	22 m	73 m
Vibratory pile driver	Sheet piles	2 m to 20 m	20 m
Pile boring	≤800 mm	2 m	n/a
Jackhammer	Hand held	1 m	Avoid contact with structure

Two heritage structures were also identified within the study area. These structures are about 100 metres from likely vibration intensive equipment locations so should not exceed the more stringent criteria for heritage buildings.

5.7 Construction noise and vibration control

Based on predicted impacts on the community it is recommended that best practice noise and vibration management be implemented throughout the construction project. The ICNG provides a number of reasonable and feasible methods for minimising and managing noise impacts. In this context, feasible means the control is capable of being put into practice, and is practical to implement given the project constraints. Selecting reasonable mitigation measures from those that are feasible involves making a judgement to determine whether the overall noise benefit outweighs the overall social, economic and environmental effects.

General management measures

- Prior to commencing construction, a Construction Noise and Vibration Management Plan (CNVMP) would be prepared. This plan would include but not be limited to:
 - A map indicating the locations of sensitive receivers including residential properties.
 - A quantitative noise assessment in accordance with the EPA Interim Construction Noise Guidelines (DECCW, 2009).
 - Management measures to minimise the potential noise impacts from the quantitative noise assessment and for potential works outside of standard working hours (including implementation of EPA Interim Construction Noise Guidelines (DECCW, 2009).
 - A risk assessment to determine potential risk for activities likely to affect receivers (for activities undertaken during and outside of standard working hours).
 - Mitigation measures to avoid noise and vibration impacts during construction activities including those associated with truck movements.
 - A process for assessing the performance of the implemented mitigation measures.
 - A process for documenting and resolving issues and complaints.
 - A construction staging program incorporating a program of noise and vibration monitoring for sensitive receivers.
 - A process for updating the plan when activities affecting construction noise and vibration change.
 - Identify in toolbox talks where noise and vibration management is required.
- Consider construction compound layout so that primary noise sources are at a maximum distance from sensitive receivers (primarily residential receivers), with solid structures (sheds and containers) placed between sensitive receivers and noise sources (and as close to the noise sources as is practical).
- The environmental induction program will include specific noise and vibration issues awareness training including, but not limited to, the following:
 - Avoiding use of radios during work outside normal hours.
 - Avoiding shouting and slamming doors.
 - Where practical, operating machines at low speed or power and switching off when not being used rather than left idling for prolonged periods.
 - Minimising reversing.
 - Avoiding dropping materials from height and avoiding metal to metal contact on material.
- Adhere to standard construction hours as far as practicable, considering safety and traffic management requirements.
- Any out of hours works would comply with G36 community notification requirements and the mitigation measures specified within the RMS Noise Management Manual – Practice Note VII.
- All noise complaints will be investigated and appropriate mitigation measures implemented where practicable to minimise further impacts.

- If deemed necessary, attended compliance noise and vibration monitoring would be undertaken upon receipt of a complaint. Monitoring would be reported as soon as possible. In the case that exceedances are detected, the situation would be reviewed in order to identify means to minimise the impacts to residences.
- Where noise levels exceed the highly noise affected level of 75 dB(A), respite periods may be required.
- Any mitigation measures provided to control operational noise impacts shall be implemented as early as practicable to also provide a benefit during some of the construction phase.

Vibration management

- Where construction activities including pile driving, excavation by hammering or ripping, dynamic compaction or demolition of structures may cause damage through vibration to nearby public utilities, structures, buildings and their contents or if the items are located within the distance from the construction activity as specified in **Table 5-11** (safe working distance for cosmetic damage), a Building Condition Inspection of these items must be undertaken.
- Select alternative, lower-impact equipment or methods where possible, particularly in the vicinity of dwellings and heritage structures.
- Schedule the use of vibration intensive equipment for less sensitive times of the day.
- Avoid multiple vibration intensive activities occurring at the same time.
- Maintain equipment.

Monitoring

- Noise and vibration monitoring shall be undertaken in accordance with a project CNVMP. The program for construction noise and vibration monitoring should indicate monitoring frequency, location, how the results of this monitoring are recorded and procedures that are followed where significant exceedances of relevant noise and vibration goals are detected.

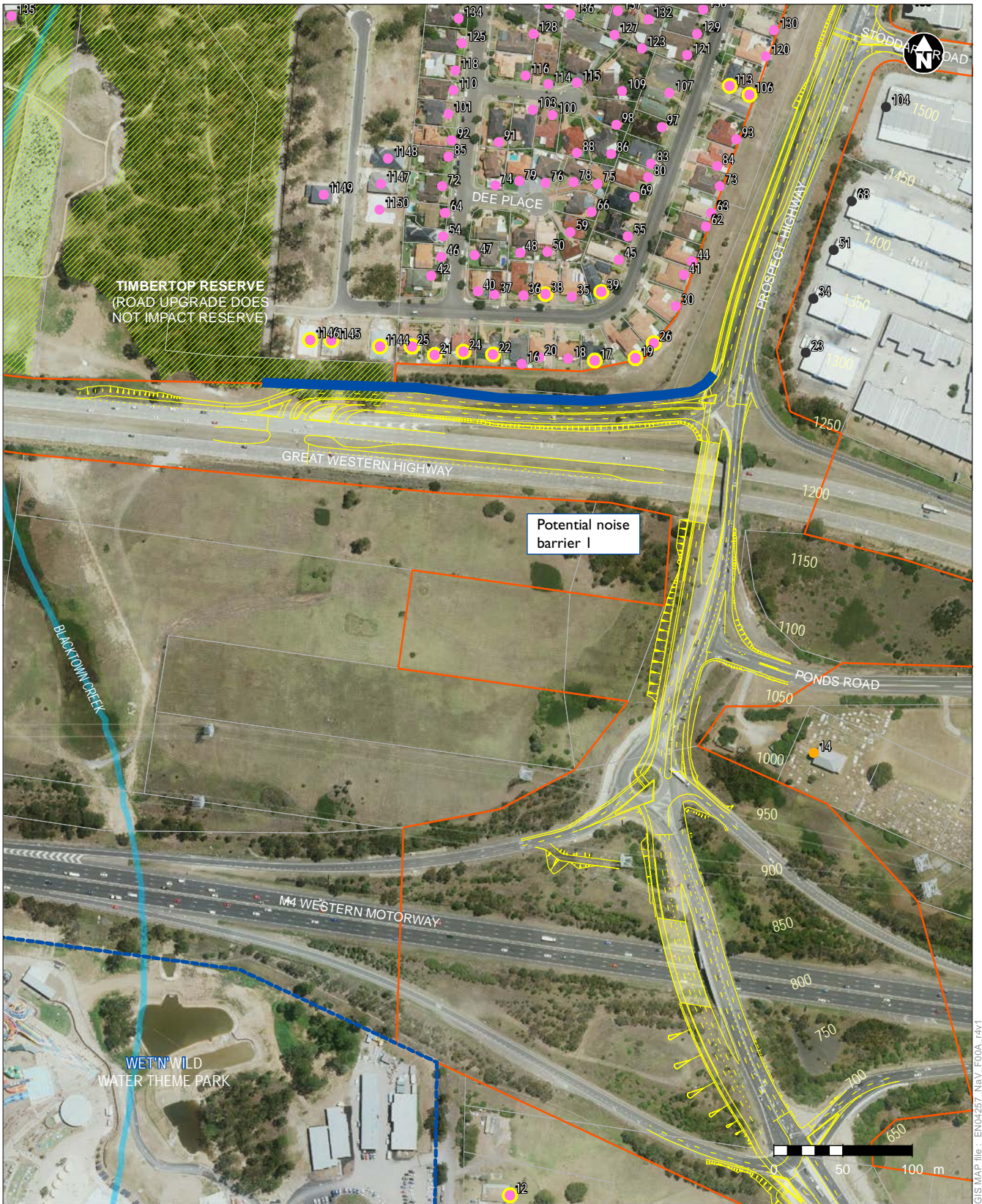
Appendix A. Receiver locations



GIS MAP file : EN04257_Nav_F00A_r4v1

- | | | | | | |
|---|-------------------------|---|--------------------------------------|---|-----------------------|
|  | The proposal boundary |  | Residential receiver with mitigation |  | Waterway |
|  | The proposal |  | Residential |  | National park/reserve |
|  | Potential noise barrier |  | Industrial |  | Park |
| | |  | Heritage | | |
| | |  | Commercial | | |

- 3-5
- 3-4
- 3-3
- 3-2
- 3-1



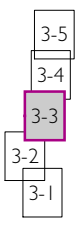
GIS MAP file : EN04257_Nav_F00A_r4v1

- The proposal boundary
- The proposal
- Potential noise barrier
- Residential receiver with mitigation
- Residential
- Industrial
- Heritage
- Commercial
- Waterway
- National park/reserve
- Park

- 3-5
- 3-4
- 3-3
- 3-2
- 3-1

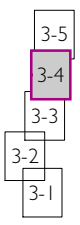


- | | | | | | |
|---|-------------------------|---|--------------------------------------|---|-----------------------|
|  | The proposal boundary |  | Residential receiver with mitigation |  | Waterway |
|  | The proposal |  | Residential |  | National park/reserve |
|  | Potential noise barrier |  | Industrial |  | Park |
| | |  | Heritage | | |
| | |  | Commercial | | |





- | | | | | | |
|---|-------------------------|---|--------------------------------------|---|-----------------------|
|  | The proposal boundary |  | Residential receiver with mitigation |  | Waterway |
|  | The proposal |  | Residential |  | National park/reserve |
|  | Potential noise barrier |  | Industrial |  | Park |
| | |  | Heritage | | |
| | |  | Commercial | | |





- The proposal boundary
- The proposal
- Potential noise barrier
- Residential receiver with mitigation
- Residential
- Industrial
- Heritage
- Commercial
- Waterway
- National park/reserve
- Park

- 3-5
- 3-4
- 3-3
- 3-2
- 3-1

Appendix B. Predicted operational noise level table

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R1_1	60.2	56.7	60.6	56.9	60.4	57.4	61.1	57.4	60.0	55.0	YES	YES	0.4	0.2	0.7	0.0	NO	NO	NO
R2_1	60.8	57.0	61.2	57.3	61.0	58.0	61.8	57.9	60.0	55.0	YES	YES	0.4	0.3	0.8	-0.1	NO	NO	NO
R3_1	60.5	56.8	60.8	57.0	60.8	57.7	61.4	57.6	60.0	55.0	YES	YES	0.3	0.2	0.6	-0.1	NO	NO	NO
R4_1	64.3	60.4	65.5	61.2	64.1	61.7	66.1	61.8	60.0	55.0	YES	YES	1.2	0.8	2.0	0.1	YES	YES	YES
R5_1	63.6	59.8	64.2	60.4	63.7	60.9	64.8	61.0	60.0	55.0	YES	YES	0.6	0.6	1.1	0.1	YES	YES	YES
R6_1	63.4	59.6	64.0	60.1	63.5	60.6	64.6	60.7	60.0	55.0	YES	YES	0.6	0.5	1.1	0.1	YES	YES	YES
R7_1	63.3	59.5	63.5	59.7	63.7	60.3	64.2	60.3	60.0	55.0	YES	YES	0.2	0.2	0.5	0.0	NO	YES	YES
R8_1	64.0	60.3	64.3	60.5	64.5	61.1	64.9	61.1	60.0	55.0	YES	YES	0.3	0.2	0.4	0.0	YES	YES	YES
R9_1	63.8	60.0	64.2	60.4	64.1	60.9	64.8	61.0	60.0	55.0	YES	YES	0.4	0.4	0.7	0.1	YES	YES	YES
R10_1	INDUSTRIAL RECEIVER																		
R11_1	64.2	60.4	64.5	60.7	64.6	61.2	65.1	61.3	60.0	60.0	YES	YES	0.3	0.3	0.5	0.1	YES	YES	YES
R12_1	62.3	58.5	62.8	58.9	62.9	59.3	63.4	59.6	60.0	55.0	YES	YES	0.5	0.4	0.5	0.3	NO	YES	YES
R13_1	66.2	62.4	66.7	62.8	66.8	63.1	67.3	63.4	60.0	55.0	YES	YES	0.5	0.4	0.5	0.3	YES	YES	YES
R14_1	HERITAGE CHURCH																		
R15_1	INDUSTRIAL RECEIVER																		
R16_1	60.0	56.8	60.4	57.8	60.6	57.5	61.0	58.4	60.0	60.0	YES	NO	0.4	1.0	0.4	0.9	NO	NO	NO
R17_1	61.1	58.0	60.7	58.3	61.8	58.7	61.3	58.9	60.0	55.0	YES	YES	-0.4	0.3	-0.5	0.2	NO	NO	NO
R17_2	65.2	62.3	64.1	61.3	65.8	62.9	64.8	61.9	60.0	55.0	YES	YES	-1.1	-1.0	-1.0	-1.0	YES	YES	YES
R18_1	60.4	57.3	60.2	57.9	61.0	58.0	60.8	58.5	60.0	55.0	YES	YES	-0.2	0.6	-0.2	0.5	NO	NO	NO
R19_1	58.6	55.1	59.3	56.0	59.2	55.9	60.0	56.6	60.0	55.0	NO	YES	0.7	0.9	0.8	0.7	NO	NO	NO
R19_2	65.5	62.3	65.0	61.8	66.1	63.0	65.6	62.4	60.0	55.0	YES	YES	-0.5	-0.5	-0.5	-0.6	YES	YES	YES
R20_1	58.9	55.8	58.7	56.3	59.5	56.4	59.3	56.9	60.0	55.0	NO	YES	-0.2	0.5	-0.2	0.5	NO	NO	NO
R21_1	59.4	56.2	59.5	56.9	60.1	56.8	60.1	57.5	60.0	55.0	NO	YES	0.1	0.7	0.0	0.7	NO	NO	NO
R21_2	66.4	63.2	65.9	63.3	67.0	63.9	66.5	63.9	60.0	55.0	YES	YES	-0.5	0.1	-0.5	0.0	YES	YES	YES
R22_1	60.8	57.7	60.4	58.0	61.4	58.3	61.0	58.6	60.0	55.0	YES	YES	-0.4	0.3	-0.4	0.3	NO	NO	NO
R22_2	65.4	62.4	63.8	61.2	66.0	63.0	64.5	61.8	60.0	55.0	YES	YES	-1.6	-1.2	-1.5	-1.2	YES	YES	YES
R23_1	INDUSTRIAL RECEIVER																		
R24_1	60.6	57.5	60.6	58.1	61.2	58.2	61.2	58.7	60.0	55.0	YES	YES	0.0	0.6	0.0	0.5	NO	NO	NO
R24_2	65.8	62.7	64.9	62.3	66.4	63.4	65.5	62.9	60.0	55.0	YES	YES	-0.9	-0.4	-0.9	-0.5	YES	YES	YES
R25_1	62.0	58.7	62.5	59.8	62.6	59.3	63.1	60.4	60.0	55.0	YES	YES	0.5	1.1	0.5	1.1	NO	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R25_2	67.0	63.7	67.2	64.5	67.6	64.4	67.8	65.2	60.0	55.0	YES	YES	0.2	0.8	0.2	0.8	YES	YES	YES
R26_1	58.8	55.3	59.2	56.0	59.4	56.0	59.9	56.7	60.0	55.0	NO	YES	0.4	0.7	0.5	0.7	NO	NO	NO
R26_2	65.4	62.0	65.5	62.0	66.0	62.7	66.1	62.6	60.0	55.0	YES	YES	0.1	0.0	0.1	-0.1	YES	YES	YES
R27_1	68.3	64.5	68.3	64.5	68.9	65.1	68.9	65.1	60.0	55.0	YES	YES	0.0	0.0	0.0	0.0	YES	YES	YES
R28_1	67.7	64.7	67.9	64.6	68.4	65.3	68.5	65.3	60.0	55.0	YES	YES	0.2	-0.1	0.1	0.0	YES	YES	YES
R29_1	68.2	64.8	68.2	64.8	68.8	65.4	68.8	65.4	60.0	55.0	YES	YES	0.0	0.0	0.0	0.0	YES	YES	YES
R30_1	59.5	55.7	60.6	56.8	60.1	56.5	61.3	57.4	60.0	55.0	YES	YES	1.1	1.1	1.2	0.9	NO	NO	NO
R31_1	66.9	63.3	66.9	63.3	67.5	64.0	67.5	63.9	60.0	55.0	YES	YES	0.0	0.0	0.0	-0.1	YES	YES	YES
R32_1	65.0	62.1	65.6	62.5	65.7	62.7	66.3	63.1	60.0	55.0	YES	YES	0.6	0.4	0.6	0.4	YES	YES	YES
R33_1	67.2	63.7	67.2	63.6	67.9	64.3	67.9	64.2	60.0	55.0	YES	YES	0.0	-0.1	0.0	-0.1	YES	YES	YES
R34_1	INDUSTRIAL RECEIVER																		
R35_1	59.4	56.0	59.7	56.6	60.0	56.7	60.3	57.2	60.0	55.0	NO	YES	0.3	0.6	0.3	0.5	NO	NO	NO
R36_1	59.4	56.0	59.6	56.5	60.0	56.6	60.2	57.1	60.0	55.0	NO	YES	0.2	0.5	0.2	0.5	NO	NO	NO
R37_1	59.3	55.9	59.4	56.3	59.9	56.6	60.0	56.9	60.0	55.0	NO	YES	0.1	0.4	0.1	0.3	NO	NO	NO
R38_1	58.1	54.7	58.6	55.5	58.8	55.4	59.2	56.1	60.0	55.0	NO	YES	0.5	0.8	0.4	0.7	NO	NO	NO
R38_2	62.2	58.8	62.1	58.9	62.8	59.5	62.7	59.5	60.0	55.0	YES	YES	-0.1	0.1	-0.1	0.0	NO	YES	YES
R39_1	59.4	55.9	59.8	56.6	60.0	56.6	60.5	57.2	60.0	55.0	YES	YES	0.4	0.7	0.5	0.6	NO	NO	NO
R39_2	62.7	59.2	62.8	59.5	63.3	59.9	63.4	60.1	60.0	55.0	YES	YES	0.1	0.3	0.1	0.2	NO	YES	YES
R40_1	58.8	55.4	58.9	55.8	59.4	56.0	59.5	56.4	60.0	55.0	NO	YES	0.1	0.4	0.1	0.4	NO	NO	NO
R40_2	61.9	58.5	61.8	58.6	62.6	59.2	62.4	59.2	60.0	55.0	YES	YES	-0.1	0.1	-0.2	0.0	NO	NO	NO
R41_1	60.3	56.4	61.8	57.8	60.9	57.2	62.4	58.4	60.0	55.0	YES	YES	1.5	1.4	1.5	1.2	NO	NO	NO
R42_1	57.0	53.5	57.9	54.6	57.6	54.2	58.6	55.2	60.0	55.0	NO	NO	0.9	1.1	1.0	1.0	NO	NO	NO
R42_2	61.1	57.7	61.6	58.4	61.8	58.4	62.2	59.0	60.0	55.0	YES	YES	0.5	0.7	0.4	0.6	NO	NO	NO
R43_1	64.5	60.8	64.5	60.8	65.1	61.4	65.1	61.5	60.0	55.0	YES	YES	0.0	0.0	0.0	0.1	YES	YES	YES
R44_1	59.0	55.2	60.3	56.4	59.6	56.0	60.9	57.1	60.0	55.0	YES	YES	1.3	1.2	1.3	1.1	NO	NO	NO
R45_1	58.2	54.5	59.3	55.7	58.8	55.3	59.9	56.3	60.0	55.0	NO	YES	1.1	1.2	1.1	1.0	NO	NO	NO
R46_1	57.5	53.9	58.2	54.8	58.1	54.6	58.8	55.4	60.0	55.0	NO	NO	0.7	0.9	0.7	0.8	NO	NO	NO
R47_1	56.8	53.2	57.4	54.0	57.4	53.8	58.1	54.6	60.0	55.0	NO	NO	0.6	0.8	0.7	0.8	NO	NO	NO
R48_1	55.0	51.4	55.8	52.2	55.7	52.1	56.4	52.8	60.0	55.0	NO	NO	0.8	0.8	0.7	0.7	NO	NO	NO
R49_1	62.2	59.1	62.4	59.2	62.8	59.7	63.0	59.8	60.0	55.0	YES	YES	0.2	0.1	0.2	0.1	NO	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R50_1	55.8	52.1	56.5	52.9	56.4	52.8	57.1	53.6	60.0	55.0	NO	NO	0.7	0.8	0.7	0.8	NO	NO	NO
R51_1	INDUSTRIAL RECEIVER																		
R52_1	62.6	59.1	62.7	59.2	63.2	59.7	63.3	59.8	60.0	55.0	YES	YES	0.1	0.1	0.1	0.1	NO	YES	YES
R53_1	62.5	58.9	62.6	58.9	63.1	59.5	63.2	59.6	60.0	55.0	YES	YES	0.1	0.0	0.1	0.1	NO	YES	YES
R54_1	58.2	54.7	58.9	55.4	58.9	55.3	59.5	56.1	60.0	55.0	NO	YES	0.7	0.7	0.6	0.8	NO	NO	NO
R55_1	57.1	53.4	58.3	54.7	57.7	54.2	58.9	55.3	60.0	55.0	NO	NO	1.2	1.3	1.2	1.1	NO	NO	NO
R55_2	60.6	57.0	61.8	58.2	61.2	57.7	62.4	58.8	60.0	55.0	YES	YES	1.2	1.2	1.2	1.1	NO	NO	NO
R56_1	62.1	58.6	62.3	58.7	62.7	59.2	62.9	59.4	60.0	55.0	YES	YES	0.2	0.1	0.2	0.2	NO	NO	NO
R57_1	62.0	58.5	62.2	58.6	62.7	59.1	62.8	59.2	60.0	55.0	YES	YES	0.2	0.1	0.1	0.1	NO	NO	NO
R58_1	63.0	59.3	63.1	59.4	63.6	60.0	63.7	60.0	60.0	55.0	YES	YES	0.1	0.1	0.1	0.0	NO	YES	YES
R59_1	57.3	53.7	57.9	54.4	58.0	54.4	58.5	55.0	60.0	55.0	NO	NO	0.6	0.7	0.5	0.6	NO	NO	NO
R60_1	62.0	58.3	62.1	58.4	62.6	58.9	62.7	59.0	60.0	55.0	YES	YES	0.1	0.1	0.1	0.1	NO	NO	NO
R61_1	61.5	58.4	61.7	58.5	62.1	59.0	62.4	59.1	60.0	55.0	YES	YES	0.2	0.1	0.3	0.1	NO	NO	NO
R62_1	58.5	54.7	59.8	55.9	59.1	55.5	60.4	56.5	60.0	55.0	NO	YES	1.3	1.2	1.3	1.0	NO	NO	NO
R63_1	58.3	54.5	59.6	55.7	58.9	55.2	60.2	56.3	60.0	55.0	NO	YES	1.3	1.2	1.3	1.1	NO	NO	NO
R64_1	58.4	54.9	59.1	55.7	59.1	55.5	59.8	56.3	60.0	55.0	NO	YES	0.7	0.8	0.7	0.8	NO	NO	NO
R65_1	INDUSTRIAL RECEIVER																		
R66_1	56.9	53.2	57.3	53.7	57.5	53.9	57.9	54.4	60.0	55.0	NO	NO	0.4	0.5	0.4	0.5	NO	NO	NO
R67_1	61.1	57.9	61.3	58.0	61.7	58.5	61.9	58.6	60.0	55.0	YES	YES	0.2	0.1	0.2	0.1	NO	NO	NO
R68_1	INDUSTRIAL RECEIVER																		
R69_1	57.2	53.5	58.7	54.9	57.8	54.2	59.3	55.5	60.0	55.0	NO	YES	1.5	1.4	1.5	1.3	NO	NO	NO
R69_2	61.1	57.4	62.4	58.6	61.7	58.2	63.0	59.3	60.0	55.0	YES	YES	1.3	1.2	1.3	1.1	NO	NO	NO
R70_1	61.8	58.2	61.9	58.3	62.4	58.9	62.5	59.0	60.0	55.0	YES	YES	0.1	0.1	0.1	0.1	NO	NO	NO
R71_1	61.0	57.7	61.2	57.8	61.6	58.3	61.8	58.4	60.0	55.0	YES	YES	0.2	0.1	0.2	0.1	NO	NO	NO
R72_1	58.5	54.8	59.1	55.6	59.1	55.5	59.7	56.2	60.0	55.0	NO	YES	0.6	0.8	0.6	0.7	NO	NO	NO
R73_1	58.3	54.4	59.7	55.8	58.9	55.2	60.3	56.4	60.0	55.0	NO	YES	1.4	1.4	1.4	1.2	NO	NO	NO
R74_1	57.3	53.7	58.0	54.5	57.9	54.4	58.6	55.1	60.0	55.0	NO	NO	0.7	0.8	0.7	0.7	NO	NO	NO
R75_1	57.6	53.9	58.1	54.5	58.2	54.6	58.7	55.2	60.0	55.0	NO	NO	0.5	0.6	0.5	0.6	NO	NO	NO
R76_1	57.7	54.0	58.3	54.7	58.3	54.7	58.9	55.4	60.0	55.0	NO	NO	0.6	0.7	0.6	0.7	NO	NO	NO
R77_1	61.6	58.1	61.8	58.2	62.2	58.7	62.4	58.9	60.0	55.0	YES	YES	0.2	0.1	0.2	0.2	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
													Year Opening		Design Year				
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
R78_1	57.7	54.1	58.4	54.8	58.3	54.7	59.0	55.5	60.0	55.0	NO	YES	0.7	0.7	0.7	0.8	NO	NO	NO
R79_1	57.4	53.8	58.1	54.6	58.0	54.5	58.7	55.2	60.0	55.0	NO	NO	0.7	0.8	0.7	0.7	NO	NO	NO
R80_1	57.4	53.7	58.7	55.0	58.0	54.4	59.4	55.6	60.0	55.0	NO	YES	1.3	1.3	1.4	1.2	NO	NO	NO
R81_1	61.4	57.9	61.6	58.0	62.1	58.5	62.3	58.7	60.0	55.0	YES	YES	0.2	0.1	0.2	0.2	NO	NO	NO
R82_1	60.7	57.3	60.8	57.4	61.3	58.0	61.4	58.0	60.0	55.0	YES	YES	0.1	0.1	0.1	0.0	NO	NO	NO
R83_1	57.0	53.3	58.4	54.6	57.6	54.0	59.0	55.2	60.0	55.0	NO	NO	1.4	1.3	1.4	1.2	NO	NO	NO
R84_1	59.6	55.7	61.2	57.2	60.2	56.5	61.8	57.9	60.0	55.0	YES	YES	1.6	1.5	1.6	1.4	NO	NO	NO
R85_1	58.2	54.6	58.9	55.4	58.8	55.3	59.5	56.1	60.0	55.0	NO	YES	0.7	0.8	0.7	0.8	NO	NO	NO
R86_1	57.7	54.0	58.2	54.6	58.3	54.7	58.8	55.2	60.0	55.0	NO	NO	0.5	0.6	0.5	0.5	NO	NO	NO
R87_1	61.0	57.5	61.2	57.7	61.6	58.1	61.9	58.3	60.0	55.0	YES	YES	0.2	0.2	0.3	0.2	NO	NO	NO
R88_1	57.8	54.1	58.5	54.9	58.4	54.8	59.1	55.5	60.0	55.0	NO	YES	0.7	0.8	0.7	0.7	NO	NO	NO
R89_1	60.3	57.0	60.6	57.1	60.9	57.6	61.2	57.8	60.0	55.0	YES	YES	0.3	0.1	0.3	0.2	NO	NO	NO
R90_1	INDUSTRIAL RECEIVER																		
R91_1	56.9	53.2	57.5	54.0	57.5	53.9	58.2	54.6	60.0	55.0	NO	NO	0.6	0.8	0.7	0.7	NO	NO	NO
R92_1	58.1	54.4	58.8	55.3	58.7	55.1	59.4	55.9	60.0	55.0	NO	YES	0.7	0.9	0.7	0.8	NO	NO	NO
R93_1	58.3	54.5	59.9	55.9	58.9	55.2	60.5	56.6	60.0	55.0	YES	YES	1.6	1.4	1.6	1.4	NO	NO	NO
R94_1	60.6	57.1	60.8	57.2	61.2	57.7	61.4	57.8	60.0	55.0	YES	YES	0.2	0.1	0.2	0.1	NO	NO	NO
R95_1	60.5	56.9	60.7	57.2	61.1	57.5	61.3	57.8	60.0	55.0	YES	YES	0.2	0.3	0.2	0.3	NO	NO	NO
R96_1	60.0	56.7	60.2	56.8	60.7	57.3	60.8	57.4	60.0	55.0	YES	YES	0.2	0.1	0.1	0.1	NO	NO	NO
R97_1	56.9	53.0	58.6	54.7	57.5	53.8	59.3	55.3	60.0	55.0	NO	NO	1.7	1.7	1.8	1.5	NO	NO	NO
R98_1	57.2	53.6	57.7	54.1	57.8	54.2	58.3	54.7	60.0	55.0	NO	NO	0.5	0.5	0.5	0.5	NO	NO	NO
R99_1	INDUSTRIAL RECEIVER																		
R100_1	57.3	53.6	58.0	54.4	57.9	54.3	58.6	55.0	60.0	55.0	NO	NO	0.7	0.8	0.7	0.7	NO	NO	NO
R101_1	58.3	54.7	59.0	55.5	58.9	55.3	59.7	56.1	60.0	55.0	NO	YES	0.7	0.8	0.8	0.8	NO	NO	NO
R102_1	60.0	56.6	60.1	56.6	60.6	57.2	60.7	57.3	60.0	55.0	YES	YES	0.1	0.0	0.1	0.1	NO	NO	NO
R103_1	57.3	53.6	58.0	54.4	57.9	54.3	58.6	55.0	60.0	55.0	NO	NO	0.7	0.8	0.7	0.7	NO	NO	NO
R104_1	INDUSTRIAL RECEIVER																		
R105_1	INDUSTRIAL RECEIVER																		
R106_1	62.2	58.3	63.8	59.8	62.8	59.1	64.4	60.4	60.0	55.0	YES	YES	1.6	1.5	1.6	1.3	NO	YES	YES
R107_1	57.5	53.7	59.5	55.6	58.1	54.4	60.1	56.2	60.0	55.0	NO	YES	2.0	1.9	2.0	1.8	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R108_1	INDUSTRIAL RECEIVER																		
R109_1	57.3	53.6	57.8	54.2	57.9	54.3	58.4	54.8	60.0	55.0	NO	NO	0.5	0.6	0.5	0.5	NO	NO	NO
R110_1	58.0	54.4	58.8	55.3	58.7	55.1	59.4	55.9	60.0	55.0	NO	YES	0.8	0.9	0.7	0.8	NO	NO	NO
R111_1	INDUSTRIAL RECEIVER																		
R112_1	59.5	56.1	59.7	56.3	60.2	56.8	60.4	56.9	60.0	55.0	NO	YES	0.2	0.2	0.2	0.1	NO	NO	NO
R113_1	61.4	57.5	63.0	59.1	62.0	58.3	63.7	59.7	60.0	55.0	YES	YES	1.6	1.6	1.7	1.4	NO	YES	YES
R114_1	57.2	53.5	58.0	54.4	57.8	54.2	58.6	55.0	60.0	55.0	NO	NO	0.8	0.9	0.8	0.8	NO	NO	NO
R115_1	57.4	53.8	58.2	54.6	58.1	54.5	58.8	55.2	60.0	55.0	NO	NO	0.8	0.8	0.7	0.7	NO	NO	NO
R116_1	57.0	53.3	57.7	54.1	57.6	54.0	58.3	54.7	60.0	55.0	NO	NO	0.7	0.8	0.7	0.7	NO	NO	NO
R117_1	INDUSTRIAL RECEIVER																		
R118_1	57.8	54.1	58.5	55.0	58.4	54.8	59.2	55.6	60.0	55.0	NO	YES	0.7	0.9	0.8	0.8	NO	NO	NO
R119_1	59.2	55.7	59.5	56.0	59.8	56.4	60.1	56.6	60.0	55.0	NO	YES	0.3	0.3	0.3	0.2	NO	NO	NO
R120_1	58.7	54.9	60.5	56.5	59.3	55.7	61.1	57.1	60.0	55.0	YES	YES	1.8	1.6	1.8	1.4	NO	NO	NO
R121_1	58.2	54.3	59.8	55.9	58.8	55.1	60.4	56.5	60.0	55.0	NO	YES	1.6	1.6	1.6	1.4	NO	NO	NO
R122_1	INDUSTRIAL RECEIVER																		
R123_1	58.5	54.8	59.6	55.8	59.1	55.5	60.2	56.4	60.0	55.0	NO	YES	1.1	1.0	1.1	0.9	NO	NO	NO
R124_1	58.8	55.3	59.1	55.6	59.4	56.0	59.7	56.2	60.0	55.0	NO	YES	0.3	0.3	0.3	0.2	NO	NO	NO
R125_1	57.1	53.4	57.9	54.3	57.7	54.1	58.5	54.9	60.0	55.0	NO	NO	0.8	0.9	0.8	0.8	NO	NO	NO
R126_1	INDUSTRIAL RECEIVER																		
R127_1	58.2	54.5	59.2	55.5	58.9	55.2	59.8	56.1	60.0	55.0	NO	YES	1.0	1.0	0.9	0.9	NO	NO	NO
R128_1	57.5	53.9	58.3	54.7	58.1	54.6	59.0	55.3	60.0	55.0	NO	NO	0.8	0.8	0.9	0.7	NO	NO	NO
R129_1	57.7	53.9	59.1	55.3	58.3	54.6	59.8	55.9	60.0	55.0	NO	YES	1.4	1.4	1.5	1.3	NO	NO	NO
R130_1	59.0	55.1	60.8	56.8	59.6	55.9	61.4	57.4	60.0	55.0	YES	YES	1.8	1.7	1.8	1.5	NO	NO	NO
R131_1	58.5	55.1	58.8	55.3	59.2	55.7	59.4	55.9	60.0	55.0	NO	YES	0.3	0.2	0.2	0.2	NO	NO	NO
R132_1	58.1	54.4	58.6	54.9	58.7	55.1	59.2	55.5	60.0	55.0	NO	YES	0.5	0.5	0.5	0.4	NO	NO	NO
R133_1	58.4	54.9	58.7	55.2	59.0	55.6	59.3	55.8	60.0	55.0	NO	YES	0.3	0.3	0.3	0.2	NO	NO	NO
R134_1	57.2	53.5	58.0	54.3	57.8	54.2	58.6	55.0	60.0	55.0	NO	NO	0.8	0.8	0.8	0.8	NO	NO	NO
R135_1	58.1	54.6	58.4	54.8	58.8	55.2	59.0	55.5	60.0	55.0	NO	YES	0.3	0.2	0.2	0.3	NO	NO	NO
R136_1	58.3	54.6	59.0	55.4	58.9	55.3	59.7	56.0	60.0	55.0	NO	YES	0.7	0.8	0.8	0.7	NO	NO	NO
R137_1	58.3	54.6	59.1	55.4	58.9	55.3	59.7	56.1	60.0	55.0	NO	YES	0.8	0.8	0.8	0.8	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R138_1	57.5	53.7	59.0	55.1	58.1	54.5	59.6	55.7	60.0	55.0	NO	YES	1.5	1.4	1.5	1.2	NO	NO	NO
R139_1	INDUSTRIAL RECEIVER																		
R140_1	57.7	54.0	58.5	54.8	58.3	54.7	59.1	55.5	60.0	55.0	NO	YES	0.8	0.8	0.8	0.8	NO	NO	NO
R141_1	58.1	54.6	58.4	54.9	58.7	55.2	59.1	55.5	60.0	55.0	NO	YES	0.3	0.3	0.4	0.3	NO	NO	NO
R142_1	57.6	54.0	58.4	54.8	58.2	54.6	59.0	55.4	60.0	55.0	NO	NO	0.8	0.8	0.8	0.8	NO	NO	NO
R143_1	59.7	55.8	61.6	57.6	60.3	56.6	62.2	58.2	60.0	55.0	YES	YES	1.9	1.8	1.9	1.6	NO	NO	NO
R143_2	67.2	63.3	69.1	65.0	67.8	64.1	69.7	65.7	60.0	55.0	YES	YES	1.9	1.7	1.9	1.6	YES	YES	YES
R144_1	59.5	55.6	61.3	57.3	60.1	56.4	61.9	57.9	60.0	55.0	YES	YES	1.8	1.7	1.8	1.5	NO	NO	NO
R145_1	57.3	53.7	58.1	54.4	57.9	54.4	58.7	55.1	60.0	55.0	NO	NO	0.8	0.7	0.8	0.7	NO	NO	NO
R146_1	57.6	53.9	58.1	54.5	58.2	54.6	58.8	55.1	60.0	55.0	NO	NO	0.5	0.6	0.6	0.5	NO	NO	NO
R147_1	58.1	54.4	58.7	55.0	58.7	55.1	59.3	55.6	60.0	55.0	NO	YES	0.6	0.6	0.6	0.5	NO	NO	NO
R148_1	57.8	54.1	58.4	54.7	58.4	54.8	59.0	55.3	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R149_1	58.2	54.5	58.8	55.1	58.8	55.2	59.5	55.7	60.0	55.0	NO	YES	0.6	0.6	0.7	0.5	NO	NO	NO
R150_1	58.6	54.7	60.2	56.2	59.2	55.5	60.8	56.8	60.0	55.0	YES	YES	1.6	1.5	1.6	1.3	NO	NO	NO
R151_1	57.7	54.1	58.4	54.7	58.4	54.8	59.0	55.3	60.0	55.0	NO	NO	0.7	0.6	0.6	0.5	NO	NO	NO
R152_1	56.7	52.9	58.0	54.1	57.3	53.6	58.6	54.8	60.0	55.0	NO	NO	1.3	1.2	1.3	1.2	NO	NO	NO
R153_1	58.1	54.4	58.8	55.1	58.7	55.1	59.4	55.7	60.0	55.0	NO	YES	0.7	0.7	0.7	0.6	NO	NO	NO
R154_1	58.2	54.5	58.8	55.1	58.8	55.2	59.4	55.7	60.0	55.0	NO	YES	0.6	0.6	0.6	0.5	NO	NO	NO
R155_1	57.8	54.1	58.4	54.8	58.4	54.8	59.0	55.4	60.0	55.0	NO	NO	0.6	0.7	0.6	0.6	NO	NO	NO
R156_1	58.0	54.3	58.7	55.0	58.6	55.0	59.3	55.6	60.0	55.0	NO	YES	0.7	0.7	0.7	0.6	NO	NO	NO
R157_1	57.9	54.2	58.6	54.9	58.5	54.9	59.2	55.5	60.0	55.0	NO	YES	0.7	0.7	0.7	0.6	NO	NO	NO
R158_1	58.0	54.2	59.0	55.1	58.6	54.9	59.6	55.8	60.0	55.0	NO	YES	1.0	0.9	1.0	0.9	NO	NO	NO
R159_1	54.9	51.1	55.4	51.6	55.5	51.8	56.0	52.2	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R160_1	59.7	55.9	60.7	56.9	60.3	56.6	61.3	57.5	60.0	55.0	YES	YES	1.0	1.0	1.0	0.9	NO	NO	NO
R160_2	61.9	58.0	62.9	59.0	62.5	58.8	63.5	59.7	60.0	55.0	YES	YES	1.0	1.0	1.0	0.9	NO	YES	YES
R161_1	55.0	51.1	55.5	51.6	55.5	51.9	56.1	52.2	60.0	55.0	NO	NO	0.5	0.5	0.6	0.3	NO	NO	NO
R162_1	58.5	54.7	59.4	55.6	59.1	55.5	60.0	56.2	60.0	55.0	NO	YES	0.9	0.9	0.9	0.7	NO	NO	NO
R162_2	60.6	56.7	61.6	57.8	61.2	57.5	62.2	58.4	60.0	55.0	YES	YES	1.0	1.1	1.0	0.9	NO	NO	NO
R163_1	60.8	57.0	61.8	58.0	61.4	57.8	62.4	58.6	60.0	55.0	YES	YES	1.0	1.0	1.0	0.8	NO	NO	NO
R164_1	62.5	58.7	63.6	59.9	63.1	59.5	64.2	60.5	60.0	55.0	YES	YES	1.1	1.2	1.1	1.0	NO	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R165_1	55.6	51.8	56.1	52.3	56.2	52.6	56.8	52.9	60.0	55.0	NO	NO	0.5	0.5	0.6	0.3	NO	NO	NO
R166_1	55.5	51.7	56.1	52.2	56.1	52.5	56.7	52.8	60.0	55.0	NO	NO	0.6	0.5	0.6	0.3	NO	NO	NO
R167_1	68.4	64.4	70.9	66.7	69.0	65.2	71.5	67.3	60.0	55.0	YES	YES	2.5	2.3	2.5	2.1	YES	YES	YES
R168_1	55.4	51.6	56.0	52.2	56.0	52.3	56.6	52.8	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R169_1	55.7	52.0	56.3	52.5	56.3	52.6	56.9	53.1	60.0	55.0	NO	NO	0.6	0.5	0.6	0.5	NO	NO	NO
R170_1	58.1	54.3	59.5	55.6	58.7	55.1	60.1	56.2	60.0	55.0	NO	YES	1.4	1.3	1.4	1.1	NO	NO	NO
R171_1	51.7	47.8	52.3	48.4	52.3	48.6	52.9	49.0	60.0	55.0	NO	NO	0.6	0.6	0.6	0.4	NO	NO	NO
R172_1	55.4	51.6	55.9	52.1	56.0	52.3	56.5	52.7	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R173_1	58.6	54.8	60.2	56.3	59.2	55.5	60.8	56.9	60.0	55.0	YES	YES	1.6	1.5	1.6	1.4	NO	NO	NO
R174_1	67.4	63.5	67.5	63.9	68.0	64.4	68.2	64.5	60.0	55.0	YES	YES	0.1	0.4	0.2	0.1	YES	YES	YES
R175_1	56.7	53.0	57.2	53.5	57.3	53.7	57.8	54.2	60.0	55.0	NO	NO	0.5	0.5	0.5	0.5	NO	NO	NO
R176_1	54.8	51.0	55.3	51.4	55.4	51.7	55.9	52.0	60.0	55.0	NO	NO	0.5	0.4	0.5	0.3	NO	NO	NO
R177_1	55.3	51.5	55.7	51.9	55.9	52.2	56.3	52.5	60.0	55.0	NO	NO	0.4	0.4	0.4	0.3	NO	NO	NO
R178_1	56.2	52.4	57.7	53.8	56.8	53.1	58.3	54.4	60.0	55.0	NO	NO	1.5	1.4	1.5	1.3	NO	NO	NO
R179_1	56.3	52.6	56.9	53.2	56.9	53.3	57.5	53.8	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R180_1	55.1	51.3	55.6	51.7	55.7	52.0	56.2	52.4	60.0	55.0	NO	NO	0.5	0.4	0.5	0.4	NO	NO	NO
R181_1	56.1	52.4	56.6	52.9	56.7	53.1	57.2	53.5	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R182_1	57.0	53.3	57.5	53.9	57.6	54.0	58.1	54.5	60.0	55.0	NO	NO	0.5	0.6	0.5	0.5	NO	NO	NO
R183_1	56.4	52.7	56.9	53.3	57.0	53.4	57.5	53.9	60.0	55.0	NO	NO	0.5	0.6	0.5	0.5	NO	NO	NO
R184_1	55.4	51.6	56.0	52.1	56.0	52.4	56.6	52.7	60.0	55.0	NO	NO	0.6	0.5	0.6	0.3	NO	NO	NO
R185_1	66.8	62.9	66.8	63.1	67.3	63.7	67.4	63.7	60.0	55.0	YES	YES	0.0	0.2	0.1	0.0	YES	YES	YES
R186_1	55.6	51.8	56.1	52.3	56.2	52.5	56.7	52.9	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R187_1	53.9	50.0	55.2	51.3	54.5	50.8	55.9	51.9	60.0	55.0	NO	NO	1.3	1.3	1.4	1.1	NO	NO	NO
R188_1	56.8	53.1	57.4	53.7	57.4	53.8	58.0	54.3	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R189_1	55.8	52.0	56.4	52.6	56.4	52.7	57.0	53.2	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R190_1	56.0	52.2	56.6	52.8	56.6	53.0	57.2	53.4	60.0	55.0	NO	NO	0.6	0.6	0.6	0.4	NO	NO	NO
R191_1	55.9	52.1	56.4	52.6	56.5	52.8	57.0	53.2	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R192_1	65.8	62.0	65.7	62.0	66.4	62.8	66.3	62.6	60.0	55.0	YES	YES	-0.1	0.0	-0.1	-0.2	YES	YES	YES
R193_1	55.5	51.7	56.0	52.2	56.1	52.5	56.6	52.8	60.0	55.0	NO	NO	0.5	0.5	0.5	0.3	NO	NO	NO
R194_1	55.6	51.7	56.1	52.3	56.2	52.5	56.7	52.9	60.0	55.0	NO	NO	0.5	0.6	0.5	0.4	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R195_1	51.1	47.3	52.0	48.2	51.7	48.0	52.6	48.8	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R196_1	55.2	51.4	55.6	51.8	55.8	52.2	56.2	52.4	60.0	55.0	NO	NO	0.4	0.4	0.4	0.2	NO	NO	NO
R197_1	56.0	52.1	56.5	52.7	56.6	52.9	57.1	53.3	60.0	55.0	NO	NO	0.5	0.6	0.5	0.4	NO	NO	NO
R198_1	53.7	49.8	54.2	50.4	54.3	50.6	54.8	51.0	60.0	55.0	NO	NO	0.5	0.6	0.5	0.4	NO	NO	NO
R199_1	54.7	50.9	55.4	51.6	55.3	51.7	56.0	52.2	60.0	55.0	NO	NO	0.7	0.7	0.7	0.5	NO	NO	NO
R200_1	56.1	52.3	56.8	53.0	56.7	53.0	57.5	53.6	60.0	55.0	NO	NO	0.7	0.7	0.8	0.6	NO	NO	NO
R201_1	63.6	59.8	63.6	59.9	64.2	60.6	64.2	60.5	60.0	55.0	YES	YES	0.0	0.1	0.0	-0.1	NO	YES	YES
R202_1	59.8	56.0	61.6	57.6	60.4	56.7	62.2	58.2	60.0	55.0	YES	YES	1.8	1.6	1.8	1.5	NO	NO	NO
R203_1	60.0	56.1	62.0	58.0	60.6	56.9	62.6	58.6	60.0	55.0	YES	YES	2.0	1.9	2.0	1.7	NO	NO	NO
R204_1	58.4	54.6	60.1	56.2	59.0	55.3	60.8	56.8	60.0	55.0	YES	YES	1.7	1.6	1.8	1.5	NO	NO	NO
R205_1	65.3	61.3	67.1	63.1	65.9	62.1	67.8	63.7	60.0	55.0	YES	YES	1.8	1.8	1.9	1.6	YES	YES	YES
R206_1	56.2	52.4	57.7	53.8	56.8	53.1	58.3	54.4	60.0	55.0	NO	NO	1.5	1.4	1.5	1.3	NO	NO	NO
R207_1	57.4	53.5	58.9	55.0	58.0	54.2	59.5	55.6	60.0	55.0	NO	YES	1.5	1.5	1.5	1.4	NO	NO	NO
R208_1	55.5	51.7	56.6	52.8	56.1	52.4	57.2	53.4	60.0	55.0	NO	NO	1.1	1.1	1.1	1.0	NO	NO	NO
R209_1	55.5	51.7	56.7	52.8	56.1	52.4	57.3	53.4	60.0	55.0	NO	NO	1.2	1.1	1.2	1.0	NO	NO	NO
R210_1	56.7	52.9	57.2	53.4	57.3	53.6	57.8	54.0	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R211_1	55.0	51.2	56.2	52.3	55.7	52.0	56.8	52.9	60.0	55.0	NO	NO	1.2	1.1	1.1	0.9	NO	NO	NO
R212_1	54.8	51.1	55.8	52.0	55.4	51.8	56.4	52.6	60.0	55.0	NO	NO	1.0	0.9	1.0	0.8	NO	NO	NO
R213_1	54.3	50.5	55.1	51.3	54.9	51.2	55.7	51.9	60.0	55.0	NO	NO	0.8	0.8	0.8	0.7	NO	NO	NO
R214_1	57.2	53.3	57.8	54.0	57.8	54.1	58.4	54.6	60.0	55.0	NO	NO	0.6	0.7	0.6	0.5	NO	NO	NO
R215_1	65.3	61.5	65.4	61.7	65.9	62.3	66.0	62.3	60.0	55.0	YES	YES	0.1	0.2	0.1	0.0	YES	YES	YES
R216_1	53.9	50.1	54.8	51.0	54.5	50.8	55.4	51.6	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R217_1	54.3	50.5	55.0	51.3	54.9	51.2	55.7	51.9	60.0	55.0	NO	NO	0.7	0.8	0.8	0.7	NO	NO	NO
R218_1	54.0	50.2	54.8	51.0	54.6	50.9	55.4	51.6	60.0	55.0	NO	NO	0.8	0.8	0.8	0.7	NO	NO	NO
R219_1	59.1	55.2	59.4	55.6	59.7	56.0	60.0	56.2	60.0	55.0	NO	YES	0.3	0.4	0.3	0.2	NO	NO	NO
R220_1	56.3	52.5	56.9	53.1	56.9	53.2	57.6	53.7	60.0	55.0	NO	NO	0.6	0.6	0.7	0.5	NO	NO	NO
R221_1	55.3	51.5	55.7	51.9	55.9	52.2	56.4	52.5	60.0	55.0	NO	NO	0.4	0.4	0.5	0.3	NO	NO	NO
R222_1	56.9	53.0	58.1	54.2	57.4	53.8	58.7	54.8	60.0	55.0	NO	NO	1.2	1.2	1.3	1.0	NO	NO	NO
R223_1	55.8	52.0	56.3	52.5	56.4	52.7	56.9	53.1	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R224_1	55.9	52.1	56.5	52.6	56.5	52.9	57.1	53.2	60.0	55.0	NO	NO	0.6	0.5	0.6	0.3	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R225_1	55.5	51.7	56.1	52.2	56.1	52.5	56.7	52.9	60.0	55.0	NO	NO	0.6	0.5	0.6	0.4	NO	NO	NO
R226_1	58.7	54.9	59.9	56.0	59.3	55.6	60.5	56.6	60.0	55.0	YES	YES	1.2	1.1	1.2	1.0	NO	NO	NO
R227_1	55.9	52.1	57.1	53.2	56.5	52.8	57.8	53.8	60.0	55.0	NO	NO	1.2	1.1	1.3	1.0	NO	NO	NO
R228_1	56.1	52.3	56.7	52.9	56.7	53.1	57.3	53.5	60.0	55.0	NO	NO	0.6	0.6	0.6	0.4	NO	NO	NO
R229_1	66.9	63.0	67.0	63.3	67.5	63.9	67.6	63.9	60.0	55.0	YES	YES	0.1	0.3	0.1	0.0	YES	YES	YES
R230_1	57.0	53.1	57.7	53.9	57.6	53.9	58.3	54.5	60.0	55.0	NO	NO	0.7	0.8	0.7	0.6	NO	NO	NO
R231_1	54.2	50.5	54.8	51.1	54.8	51.2	55.4	51.7	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R232_1	56.7	52.8	57.4	53.5	57.3	53.6	58.0	54.1	60.0	55.0	NO	NO	0.7	0.7	0.7	0.5	NO	NO	NO
R233_1	64.2	60.4	64.8	60.9	64.8	61.2	65.4	61.6	60.0	55.0	YES	YES	0.6	0.5	0.6	0.4	YES	YES	YES
R234_1	55.4	51.6	55.9	52.1	56.0	52.2	56.5	52.7	60.0	55.0	NO	NO	0.5	0.5	0.5	0.5	NO	NO	NO
R235_1	56.2	52.4	56.8	53.0	56.8	53.1	57.4	53.6	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R236_1	56.3	52.5	56.9	53.2	56.9	53.2	57.5	53.8	60.0	55.0	NO	NO	0.6	0.7	0.6	0.6	NO	NO	NO
R237_1	60.5	56.6	61.5	57.6	61.1	57.4	62.1	58.2	60.0	55.0	YES	YES	1.0	1.0	1.0	0.8	NO	NO	NO
R237_2	63.6	59.7	64.6	60.7	64.2	60.5	65.3	61.3	60.0	55.0	YES	YES	1.0	1.0	1.1	0.8	YES	YES	YES
R238_1	53.4	49.6	54.2	50.3	54.0	50.3	54.8	50.9	60.0	55.0	NO	NO	0.8	0.7	0.8	0.6	NO	NO	NO
R239_1	54.8	50.9	55.8	51.9	55.4	51.7	56.5	52.5	60.0	55.0	NO	NO	1.0	1.0	1.1	0.8	NO	NO	NO
R240_1	56.7	52.9	57.3	53.5	57.2	53.6	57.9	54.2	60.0	55.0	NO	NO	0.6	0.6	0.7	0.6	NO	NO	NO
R241_1	58.0	54.1	59.3	55.3	58.6	54.9	59.9	55.9	60.0	55.0	NO	YES	1.3	1.2	1.3	1.0	NO	NO	NO
R242_1	55.9	52.0	56.7	52.8	56.5	52.8	57.3	53.4	60.0	55.0	NO	NO	0.8	0.8	0.8	0.6	NO	NO	NO
R243_1	55.8	52.0	56.7	52.8	56.4	52.7	57.3	53.4	60.0	55.0	NO	NO	0.9	0.8	0.9	0.7	NO	NO	NO
R244_1	56.3	52.5	56.8	53.1	56.9	53.2	57.4	53.7	60.0	55.0	NO	NO	0.5	0.6	0.5	0.5	NO	NO	NO
R245_1	55.8	52.0	56.4	52.5	56.4	52.7	57.0	53.1	60.0	55.0	NO	NO	0.6	0.5	0.6	0.4	NO	NO	NO
R246_1	54.7	50.8	55.6	51.7	55.3	51.6	56.2	52.3	60.0	55.0	NO	NO	0.9	0.9	0.9	0.7	NO	NO	NO
R247_1	57.7	54.0	58.4	54.6	58.3	54.7	59.0	55.2	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO
R248_1	56.0	52.2	56.7	52.8	56.6	53.0	57.3	53.5	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO
R249_1	56.4	52.5	56.9	53.1	57.0	53.3	57.5	53.7	60.0	55.0	NO	NO	0.5	0.6	0.5	0.4	NO	NO	NO
R250_1	66.6	62.7	68.6	64.7	67.2	63.5	69.2	65.3	60.0	55.0	YES	YES	2.0	2.0	2.0	1.8	YES	YES	YES
R251_1	54.8	51.0	55.3	51.5	55.4	51.8	55.9	52.1	60.0	55.0	NO	NO	0.5	0.5	0.5	0.3	NO	NO	NO
R252_1	57.6	53.8	58.4	54.6	58.2	54.5	59.0	55.3	60.0	55.0	NO	NO	0.8	0.8	0.8	0.8	NO	NO	NO
R253_1	56.5	52.7	57.2	53.3	57.1	53.4	57.8	53.9	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R254_1	56.7	52.9	57.4	53.6	57.3	53.7	58.0	54.2	60.0	55.0	NO	NO	0.7	0.7	0.7	0.5	NO	NO	NO
R255_1	56.7	52.8	57.1	53.3	57.3	53.6	57.7	53.9	60.0	55.0	NO	NO	0.4	0.5	0.4	0.3	NO	NO	NO
R256_1	56.6	52.7	57.5	53.6	57.2	53.4	58.2	54.2	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R257_1	56.6	52.8	57.5	53.7	57.2	53.5	58.2	54.3	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R258_1	56.4	52.6	56.8	53.0	57.0	53.3	57.5	53.6	60.0	55.0	NO	NO	0.4	0.4	0.5	0.3	NO	NO	NO
R259_1	57.9	54.1	58.7	54.9	58.5	54.8	59.3	55.5	60.0	55.0	NO	YES	0.8	0.8	0.8	0.7	NO	NO	NO
R260_1	57.7	53.8	58.9	54.9	58.3	54.6	59.5	55.5	60.0	55.0	NO	YES	1.2	1.1	1.2	0.9	NO	NO	NO
R261_1	56.6	52.7	57.5	53.6	57.2	53.5	58.2	54.2	60.0	55.0	NO	NO	0.9	0.9	1.0	0.7	NO	NO	NO
R262_1	58.4	54.5	59.6	55.7	58.9	55.2	60.2	56.3	60.0	55.0	NO	YES	1.2	1.2	1.3	1.1	NO	NO	NO
R263_1	57.2	53.5	57.9	54.1	57.8	54.2	58.5	54.7	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO
R264_1	64.0	60.1	65.1	61.2	64.6	60.9	65.7	61.8	60.0	55.0	YES	YES	1.1	1.1	1.1	0.9	YES	YES	YES
R265_1	57.1	53.4	57.8	54.0	57.7	54.1	58.4	54.7	60.0	55.0	NO	NO	0.7	0.6	0.7	0.6	NO	NO	NO
R266_1	56.9	53.2	57.5	53.7	57.5	53.8	58.1	54.4	60.0	55.0	NO	NO	0.6	0.5	0.6	0.6	NO	NO	NO
R267_1	57.6	53.8	58.3	54.5	58.2	54.5	58.9	55.1	60.0	55.0	NO	NO	0.7	0.7	0.7	0.6	NO	NO	NO
R268_1	56.6	52.7	57.6	53.7	57.2	53.5	58.2	54.3	60.0	55.0	NO	NO	1.0	1.0	1.0	0.8	NO	NO	NO
R269_1	60.4	56.5	61.2	57.3	61.0	57.3	61.8	57.9	60.0	55.0	YES	YES	0.8	0.8	0.8	0.6	NO	NO	NO
R269_2	62.9	59.0	63.7	59.8	63.5	59.8	64.4	60.4	60.0	55.0	YES	YES	0.8	0.8	0.9	0.6	NO	YES	YES
R270_1	55.4	51.5	56.1	52.1	56.0	52.2	56.7	52.8	60.0	55.0	NO	NO	0.7	0.6	0.7	0.6	NO	NO	NO
R271_1	58.2	54.4	59.0	55.2	58.8	55.1	59.6	55.8	60.0	55.0	NO	YES	0.8	0.8	0.8	0.7	NO	NO	NO
R272_1	59.5	55.6	60.6	56.6	60.1	56.4	61.2	57.2	60.0	55.0	YES	YES	1.1	1.0	1.1	0.8	NO	NO	NO
R273_1	56.9	53.1	58.0	54.1	57.5	53.8	58.6	54.7	60.0	55.0	NO	NO	1.1	1.0	1.1	0.9	NO	NO	NO
R274_1	57.6	53.8	58.3	54.5	58.2	54.5	58.9	55.1	60.0	55.0	NO	NO	0.7	0.7	0.7	0.6	NO	NO	NO
R275_1	54.7	50.9	55.1	51.3	55.3	51.7	55.7	51.9	60.0	55.0	NO	NO	0.4	0.4	0.4	0.2	NO	NO	NO
R276_1	59.0	55.1	60.0	56.1	59.6	55.9	60.6	56.7	60.0	55.0	YES	YES	1.0	1.0	1.0	0.8	NO	NO	NO
R277_1	54.8	50.9	55.1	51.2	55.4	51.7	55.7	51.8	60.0	55.0	NO	NO	0.3	0.3	0.3	0.1	NO	NO	NO
R278_1	54.8	51.0	55.2	51.4	55.4	51.7	55.8	52.0	60.0	55.0	NO	NO	0.4	0.4	0.4	0.3	NO	NO	NO
R279_1	54.9	51.1	55.3	51.4	55.5	51.9	55.9	52.0	60.0	55.0	NO	NO	0.4	0.3	0.4	0.1	NO	NO	NO
R280_1	55.7	51.8	56.4	52.6	56.2	52.5	57.1	53.2	60.0	55.0	NO	NO	0.7	0.8	0.9	0.7	NO	NO	NO
R281_1	57.1	53.1	58.0	54.0	57.7	53.9	58.6	54.6	60.0	55.0	NO	NO	0.9	0.9	0.9	0.7	NO	NO	NO
R282_1	55.2	51.3	55.5	51.6	55.7	52.0	56.1	52.3	60.0	55.0	NO	NO	0.3	0.3	0.4	0.3	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R283_1	55.2	51.4	55.6	51.8	55.8	52.2	56.2	52.4	60.0	55.0	NO	NO	0.4	0.4	0.4	0.2	NO	NO	NO
R284_1	58.5	54.6	59.5	55.5	59.1	55.4	60.1	56.1	60.0	55.0	NO	YES	1.0	0.9	1.0	0.7	NO	NO	NO
R285_1	58.2	54.4	59.0	55.2	58.8	55.1	59.6	55.8	60.0	55.0	NO	YES	0.8	0.8	0.8	0.7	NO	NO	NO
R286_1	55.4	51.5	55.8	51.9	56.0	52.3	56.4	52.5	60.0	55.0	NO	NO	0.4	0.4	0.4	0.2	NO	NO	NO
R287_1	CHURCH																		
R288_1	57.9	54.1	58.6	54.8	58.5	54.8	59.2	55.4	60.0	55.0	NO	NO	0.7	0.7	0.7	0.6	NO	NO	NO
R289_1	53.6	49.7	54.3	50.3	54.2	50.4	54.9	50.9	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO
R290_1	54.8	51.0	55.3	51.5	55.4	51.7	55.9	52.1	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R291_1	57.6	53.7	58.7	54.7	58.2	54.5	59.3	55.3	60.0	55.0	NO	NO	1.1	1.0	1.1	0.8	NO	NO	NO
R292_1	59.7	55.8	60.9	56.9	60.3	56.6	61.6	57.6	60.0	55.0	YES	YES	1.2	1.1	1.3	1.0	NO	NO	NO
R293_1	55.0	51.2	55.5	51.7	55.5	51.9	56.2	52.3	60.0	55.0	NO	NO	0.5	0.5	0.7	0.4	NO	NO	NO
R294_1	56.6	52.7	57.7	53.7	57.2	53.5	58.3	54.3	60.0	55.0	NO	NO	1.1	1.0	1.1	0.8	NO	NO	NO
R295_1	58.3	54.5	59.1	55.2	58.9	55.2	59.7	55.8	60.0	55.0	NO	YES	0.8	0.7	0.8	0.6	NO	NO	NO
R296_1	55.2	51.3	55.6	51.8	55.7	52.1	56.2	52.4	60.0	55.0	NO	NO	0.4	0.5	0.5	0.3	NO	NO	NO
R297_1	54.8	51.0	55.2	51.3	55.3	51.7	55.8	51.9	60.0	55.0	NO	NO	0.4	0.3	0.5	0.2	NO	NO	NO
R298_1	54.9	51.1	55.4	51.6	55.5	51.9	56.0	52.2	60.0	55.0	NO	NO	0.5	0.5	0.5	0.3	NO	NO	NO
R299_1	54.8	51.0	55.2	51.3	55.4	51.7	55.8	51.9	60.0	55.0	NO	NO	0.4	0.3	0.4	0.2	NO	NO	NO
R300_1	55.0	51.2	55.4	51.5	55.6	51.9	56.0	52.1	60.0	55.0	NO	NO	0.4	0.3	0.4	0.2	NO	NO	NO
R301_1	54.7	50.8	55.1	51.2	55.3	51.6	55.7	51.9	60.0	55.0	NO	NO	0.4	0.4	0.4	0.3	NO	NO	NO
R302_1	55.9	52.0	56.3	52.4	56.4	52.7	56.9	53.0	60.0	55.0	NO	NO	0.4	0.4	0.5	0.3	NO	NO	NO
R303_1	54.6	50.8	55.0	51.2	55.2	51.5	55.6	51.8	60.0	55.0	NO	NO	0.4	0.4	0.4	0.3	NO	NO	NO
R304_1	60.7	56.8	61.9	57.9	61.3	57.6	62.5	58.5	60.0	55.0	YES	YES	1.2	1.1	1.2	0.9	NO	NO	NO
R305_1	56.5	52.6	57.1	53.2	57.1	53.4	57.7	53.9	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R306_1	57.3	53.5	58.0	54.2	57.9	54.2	58.6	54.8	60.0	55.0	NO	NO	0.7	0.7	0.7	0.6	NO	NO	NO
R307_1	61.4	57.5	62.6	58.6	62.0	58.2	63.2	59.2	60.0	55.0	YES	YES	1.2	1.1	1.2	1.0	NO	NO	NO
R308_1	57.6	53.7	58.3	54.5	58.2	54.4	58.9	55.1	60.0	55.0	NO	NO	0.7	0.8	0.7	0.7	NO	NO	NO
R309_1	58.1	54.3	59.0	55.1	58.7	55.0	59.6	55.7	60.0	55.0	NO	YES	0.9	0.8	0.9	0.7	NO	NO	NO
R310_1	55.2	51.3	56.0	52.1	55.8	52.1	56.6	52.7	60.0	55.0	NO	NO	0.8	0.8	0.8	0.6	NO	NO	NO
R311_1	58.5	54.7	59.3	55.5	59.1	55.4	59.9	56.1	60.0	55.0	NO	YES	0.8	0.8	0.8	0.7	NO	NO	NO
R312_1	60.4	56.5	61.2	57.3	61.0	57.3	61.8	57.9	60.0	55.0	YES	YES	0.8	0.8	0.8	0.6	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R312_2	62.2	58.3	63.1	59.1	62.8	59.1	63.7	59.7	60.0	55.0	YES	YES	0.9	0.8	0.9	0.6	NO	YES	YES
R313_1	58.8	55.0	59.6	55.8	59.4	55.7	60.2	56.4	60.0	55.0	NO	YES	0.8	0.8	0.8	0.7	NO	NO	NO
R314_1	58.9	54.9	59.9	56.0	59.4	55.7	60.5	56.6	60.0	55.0	YES	YES	1.0	1.1	1.1	0.9	NO	NO	NO
R315_1	58.6	54.8	59.5	55.6	59.2	55.5	60.1	56.2	60.0	55.0	NO	YES	0.9	0.8	0.9	0.7	NO	NO	NO
R316_1	58.7	54.8	59.5	55.7	59.3	55.6	60.2	56.3	60.0	55.0	NO	YES	0.8	0.9	0.9	0.7	NO	NO	NO
R317_1	COMMERCIAL RECEIVER																		
R318_1	61.6	57.6	62.7	58.7	62.2	58.4	63.3	59.3	60.0	55.0	YES	YES	1.1	1.1	1.1	0.9	NO	NO	NO
R319_1	58.3	54.5	59.1	55.2	58.9	55.2	59.7	55.8	60.0	55.0	NO	YES	0.8	0.7	0.8	0.6	NO	NO	NO
R320_1	58.8	54.9	59.7	55.9	59.4	55.7	60.4	56.5	60.0	55.0	NO	YES	0.9	1.0	1.0	0.8	NO	NO	NO
R321_1	61.1	57.2	62.1	58.1	61.7	58.0	62.8	58.7	60.0	55.0	YES	YES	1.0	0.9	1.1	0.7	NO	NO	NO
R322_1	58.2	54.3	59.0	55.2	58.8	55.0	59.6	55.8	60.0	55.0	NO	YES	0.8	0.9	0.8	0.8	NO	NO	NO
R323_1	55.9	52.0	56.4	52.5	56.5	52.7	57.0	53.1	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R324_1	59.4	55.4	60.6	56.6	60.0	56.2	61.2	57.2	60.0	55.0	YES	YES	1.2	1.2	1.2	1.0	NO	NO	NO
R325_1	56.9	53.0	57.8	53.9	57.5	53.7	58.4	54.5	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R326_1	55.4	51.5	55.9	52.0	55.9	52.3	56.5	52.6	60.0	55.0	NO	NO	0.5	0.5	0.6	0.3	NO	NO	NO
R327_1	58.0	54.1	58.8	54.8	58.6	54.9	59.4	55.4	60.0	55.0	NO	NO	0.8	0.7	0.8	0.5	NO	NO	NO
R328_1	55.4	51.5	56.4	52.5	56.0	52.2	57.0	53.1	60.0	55.0	NO	NO	1.0	1.0	1.0	0.9	NO	NO	NO
R329_1	62.0	58.1	62.6	58.5	62.6	58.9	63.2	59.1	60.0	55.0	YES	YES	0.6	0.4	0.6	0.2	NO	NO	NO
R330_1	55.8	51.9	56.2	52.4	56.3	52.6	56.8	53.0	60.0	55.0	NO	NO	0.4	0.5	0.5	0.4	NO	NO	NO
R331_1	57.8	53.9	58.6	54.8	58.4	54.7	59.2	55.4	60.0	55.0	NO	NO	0.8	0.9	0.8	0.7	NO	NO	NO
R332_1	56.9	52.9	57.4	53.5	57.4	53.6	58.0	54.1	60.0	55.0	NO	NO	0.5	0.6	0.6	0.5	NO	NO	NO
R333_1	57.5	53.6	58.5	54.5	58.1	54.4	59.1	55.1	60.0	55.0	NO	NO	1.0	0.9	1.0	0.7	NO	NO	NO
R334_1	59.3	55.4	60.5	56.5	59.9	56.2	61.1	57.1	60.0	55.0	YES	YES	1.2	1.1	1.2	0.9	NO	NO	NO
R335_1	57.6	53.7	58.5	54.6	58.2	54.4	59.1	55.2	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R336_1	56.5	52.6	57.0	53.2	57.0	53.3	57.6	53.8	60.0	55.0	NO	NO	0.5	0.6	0.6	0.5	NO	NO	NO
R337_1	56.2	52.3	56.7	52.8	56.8	53.1	57.3	53.4	60.0	55.0	NO	NO	0.5	0.5	0.5	0.3	NO	NO	NO
R338_1	56.3	52.3	56.8	52.9	56.8	53.1	57.4	53.5	60.0	55.0	NO	NO	0.5	0.6	0.6	0.4	NO	NO	NO
R339_1	57.7	53.8	58.7	54.8	58.3	54.5	59.3	55.4	60.0	55.0	NO	NO	1.0	1.0	1.0	0.9	NO	NO	NO
R340_1	56.9	53.1	57.8	54.0	57.5	53.8	58.4	54.6	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R341_1	65.5	61.6	66.4	62.8	66.1	62.5	67.1	63.4	60.0	55.0	YES	YES	0.9	1.2	1.0	0.9	YES	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R341_2	66.6	62.8	67.5	63.7	67.2	63.6	68.1	64.3	60.0	55.0	YES	YES	0.9	0.9	0.9	0.7	YES	YES	YES
R342_1	57.4	53.5	58.2	54.2	58.0	54.2	58.8	54.8	60.0	55.0	NO	NO	0.8	0.7	0.8	0.6	NO	NO	NO
R343_1	55.8	51.8	56.4	52.4	56.3	52.5	56.9	52.9	60.0	55.0	NO	NO	0.6	0.6	0.6	0.4	NO	NO	NO
R344_1	57.2	53.3	58.2	54.3	57.8	54.0	58.8	54.9	60.0	55.0	NO	NO	1.0	1.0	1.0	0.9	NO	NO	NO
R345_1	63.9	60.1	64.6	60.9	64.5	60.9	65.2	61.5	60.0	55.0	YES	YES	0.7	0.8	0.7	0.6	YES	YES	YES
R345_2	64.9	61.1	65.7	61.9	65.5	61.9	66.3	62.5	60.0	55.0	YES	YES	0.8	0.8	0.8	0.6	YES	YES	YES
R346_1	56.7	52.8	57.6	53.7	57.3	53.6	58.3	54.3	60.0	55.0	NO	NO	0.9	0.9	1.0	0.7	NO	NO	NO
R347_1	56.5	52.4	57.0	52.9	57.0	53.1	57.5	53.5	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R348_1	56.6	52.6	57.1	53.1	57.2	53.3	57.7	53.7	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R349_1	57.1	53.2	57.7	53.8	57.7	53.9	58.3	54.3	60.0	55.0	NO	NO	0.6	0.6	0.6	0.4	NO	NO	NO
R350_1	64.5	60.6	64.5	60.4	65.1	61.3	65.1	61.0	60.0	55.0	YES	YES	0.0	-0.2	0.0	-0.3	YES	YES	YES
R351_1	57.5	53.5	58.1	54.1	58.0	54.2	58.7	54.7	60.0	55.0	NO	NO	0.6	0.6	0.7	0.5	NO	NO	NO
R352_1	64.7	60.8	65.0	61.3	65.3	61.7	65.7	61.9	60.0	55.0	YES	YES	0.3	0.5	0.4	0.2	YES	YES	YES
R352_2	65.4	61.5	65.9	62.1	66.0	62.3	66.5	62.7	60.0	55.0	YES	YES	0.5	0.6	0.5	0.4	YES	YES	YES
R353_1	57.9	53.9	58.6	54.6	58.5	54.6	59.2	55.2	60.0	55.0	NO	NO	0.7	0.7	0.7	0.6	NO	NO	NO
R354_1	57.3	53.5	58.2	54.2	57.9	54.2	58.8	54.8	60.0	55.0	NO	NO	0.9	0.7	0.9	0.6	NO	NO	NO
R355_1	58.6	54.7	59.7	55.8	59.2	55.5	60.3	56.4	60.0	55.0	NO	YES	1.1	1.1	1.1	0.9	NO	NO	NO
R356_1	58.4	54.5	59.4	55.5	59.0	55.2	60.0	56.1	60.0	55.0	NO	YES	1.0	1.0	1.0	0.9	NO	NO	NO
R357_1	59.8	55.9	60.5	56.5	60.4	56.7	61.1	57.1	60.0	55.0	YES	YES	0.7	0.6	0.7	0.4	NO	NO	NO
R358_1	63.7	59.8	63.8	59.7	64.3	60.5	64.4	60.3	60.0	55.0	YES	YES	0.1	-0.1	0.1	-0.2	NO	YES	YES
R359_1	63.8	60.0	64.1	60.4	64.4	60.8	64.7	61.0	60.0	55.0	YES	YES	0.3	0.4	0.3	0.2	YES	YES	YES
R360_1	57.7	53.8	58.8	54.8	58.3	54.6	59.4	55.4	60.0	55.0	NO	NO	1.1	1.0	1.1	0.8	NO	NO	NO
R361_1	57.0	53.1	58.0	54.1	57.6	53.8	58.6	54.7	60.0	55.0	NO	NO	1.0	1.0	1.0	0.9	NO	NO	NO
R362_1	57.3	53.4	58.3	54.4	57.9	54.1	58.9	55.0	60.0	55.0	NO	NO	1.0	1.0	1.0	0.9	NO	NO	NO
R363_1	60.7	56.8	60.9	57.2	61.3	57.6	61.6	57.8	60.0	55.0	YES	YES	0.2	0.4	0.3	0.2	NO	NO	NO
R363_2	61.9	58.0	62.4	58.5	62.5	58.8	63.0	59.2	60.0	55.0	YES	YES	0.5	0.5	0.5	0.4	NO	NO	NO
R364_1	57.9	53.9	58.6	54.5	58.5	54.6	59.1	55.1	60.0	55.0	NO	NO	0.7	0.6	0.6	0.5	NO	NO	NO
R365_1	56.2	52.3	57.1	53.2	56.7	53.0	57.7	53.8	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R366_1	57.5	53.2	58.0	53.7	57.9	53.9	58.4	54.2	60.0	55.0	NO	NO	0.5	0.5	0.5	0.3	NO	NO	NO
R367_1	58.4	54.5	59.1	55.1	59.0	55.2	59.7	55.7	60.0	55.0	NO	YES	0.7	0.6	0.7	0.5	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R368_1	61.0	57.1	61.2	57.4	61.6	57.9	61.8	58.0	60.0	55.0	YES	YES	0.2	0.3	0.2	0.1	NO	NO	NO
R368_2	61.9	58.0	62.3	58.5	62.5	58.8	62.9	59.1	60.0	55.0	YES	YES	0.4	0.5	0.4	0.3	NO	NO	NO
R369_1	62.8	58.8	62.9	58.8	63.4	59.6	63.5	59.4	60.0	55.0	YES	YES	0.1	0.0	0.1	-0.2	NO	NO	NO
R370_1	57.3	53.1	57.9	53.7	57.8	53.7	58.4	54.2	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R371_1	56.4	52.5	57.3	53.4	57.0	53.2	57.9	54.0	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R372_1	57.4	52.0	57.6	52.4	57.7	52.6	58.0	52.9	60.0	55.0	NO	NO	0.2	0.4	0.3	0.3	NO	NO	NO
R373_1	57.0	53.1	57.9	54.0	57.6	53.9	58.5	54.6	60.0	55.0	NO	NO	0.9	0.9	0.9	0.7	NO	NO	NO
R374_1	58.2	54.0	58.8	54.6	58.7	54.6	59.3	55.1	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R375_1	55.9	52.1	56.9	53.0	56.5	52.8	57.5	53.6	60.0	55.0	NO	NO	1.0	0.9	1.0	0.8	NO	NO	NO
R376_1	56.0	52.1	56.8	52.8	56.6	52.8	57.5	53.4	60.0	55.0	NO	NO	0.8	0.7	0.9	0.6	NO	NO	NO
R377_1	60.2	56.2	60.7	56.6	60.7	57.0	61.4	57.2	60.0	55.0	YES	YES	0.5	0.4	0.7	0.2	NO	NO	NO
R378_1	58.8	54.9	59.1	55.3	59.4	55.6	59.7	55.9	60.0	55.0	NO	YES	0.3	0.4	0.3	0.3	NO	NO	NO
R379_1	56.8	52.9	57.7	53.8	57.3	53.6	58.4	54.4	60.0	55.0	NO	NO	0.9	0.9	1.1	0.8	NO	NO	NO
R380_1	58.4	52.8	58.6	53.2	58.7	53.4	59.0	53.7	60.0	55.0	NO	NO	0.2	0.4	0.3	0.3	NO	NO	NO
R381_1	58.2	54.0	58.8	54.6	58.7	54.6	59.3	55.1	60.0	55.0	NO	NO	0.6	0.6	0.6	0.5	NO	NO	NO
R382_1	57.2	53.3	58.2	54.3	57.8	54.1	58.8	54.9	60.0	55.0	NO	NO	1.0	1.0	1.0	0.8	NO	NO	NO
R383_1	57.1	53.2	58.0	54.1	57.7	54.0	58.6	54.7	60.0	55.0	NO	NO	0.9	0.9	0.9	0.7	NO	NO	NO
R384_1	63.0	59.2	63.6	59.9	63.6	60.0	64.2	60.5	60.0	55.0	YES	YES	0.6	0.7	0.6	0.5	NO	YES	YES
R384_2	63.8	59.9	64.5	60.7	64.4	60.8	65.1	61.3	60.0	55.0	YES	YES	0.7	0.8	0.7	0.5	YES	YES	YES
R385_1	58.5	54.2	59.0	54.7	58.9	54.7	59.4	55.2	60.0	55.0	NO	NO	0.5	0.5	0.5	0.5	NO	NO	NO
R386_1	55.7	51.9	56.7	52.8	56.3	52.6	57.3	53.4	60.0	55.0	NO	NO	1.0	0.9	1.0	0.8	NO	NO	NO
R387_1	56.4	52.5	57.0	53.0	56.9	53.2	57.6	53.6	60.0	55.0	NO	NO	0.6	0.5	0.7	0.4	NO	NO	NO
R388_1	56.6	52.8	57.6	53.7	57.2	53.5	58.2	54.3	60.0	55.0	NO	NO	1.0	0.9	1.0	0.8	NO	NO	NO
R389_1	58.2	53.2	58.5	53.6	58.4	53.6	58.8	53.9	60.0	55.0	NO	NO	0.3	0.4	0.4	0.3	NO	NO	NO
R390_1	57.0	53.1	57.8	53.8	57.6	53.9	58.4	54.4	60.0	55.0	NO	NO	0.8	0.7	0.8	0.5	NO	NO	NO
R391_1	69.2	65.4	70.2	66.5	69.8	66.2	70.8	67.1	60.0	55.0	YES	YES	1.0	1.1	1.0	0.9	YES	YES	YES
R391_2	70.6	66.8	71.6	67.9	71.2	67.6	72.2	68.5	60.0	55.0	YES	YES	1.0	1.1	1.0	0.9	YES	YES	YES
R392_1	55.5	51.6	56.4	52.5	56.0	52.3	57.0	53.1	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R393_1	62.3	58.3	62.6	58.5	62.8	59.1	63.2	59.1	60.0	55.0	YES	YES	0.3	0.2	0.4	0.0	NO	NO	NO
R394_1	56.4	52.5	57.3	53.4	57.0	53.2	57.9	54.0	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R395_1	55.3	51.3	56.0	52.1	55.9	52.1	56.6	52.7	60.0	55.0	NO	NO	0.7	0.8	0.7	0.6	NO	NO	NO
R396_1	69.5	65.6	70.5	66.7	70.1	66.4	71.1	67.4	60.0	55.0	YES	YES	1.0	1.1	1.0	1.0	YES	YES	YES
R397_1	61.8	56.5	62.0	56.7	61.9	56.7	62.1	56.9	60.0	55.0	YES	YES	0.2	0.2	0.2	0.2	NO	NO	NO
R398_1	55.5	51.6	56.2	52.2	56.1	52.3	56.8	52.8	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO
R399_1	56.2	52.3	57.4	53.3	56.8	53.0	58.0	53.9	60.0	55.0	NO	NO	1.2	1.0	1.2	0.9	NO	NO	NO
R400_1	55.9	52.1	56.8	52.9	56.5	52.8	57.4	53.5	60.0	55.0	NO	NO	0.9	0.8	0.9	0.7	NO	NO	NO
R401_1	55.2	51.3	56.1	52.2	55.8	52.0	56.7	52.8	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R402_1	58.8	54.9	59.7	55.8	59.3	55.6	60.3	56.4	60.0	55.0	NO	YES	0.9	0.9	1.0	0.8	NO	NO	NO
R403_1	55.3	51.4	56.1	52.1	55.9	52.2	56.7	52.7	60.0	55.0	NO	NO	0.8	0.7	0.8	0.5	NO	NO	NO
R404_1	56.7	52.7	57.7	53.6	57.2	53.5	58.3	54.3	60.0	55.0	NO	NO	1.0	0.9	1.1	0.8	NO	NO	NO
R405_1	59.5	55.6	60.4	56.5	60.1	56.4	61.0	57.1	60.0	55.0	YES	YES	0.9	0.9	0.9	0.7	NO	NO	NO
R406_1	55.9	51.8	56.6	52.6	56.4	52.5	57.2	53.1	60.0	55.0	NO	NO	0.7	0.8	0.8	0.6	NO	NO	NO
R407_1	53.7	49.8	54.5	50.6	54.2	50.5	55.1	51.2	60.0	55.0	NO	NO	0.8	0.8	0.9	0.7	NO	NO	NO
R408_1	55.3	51.5	56.2	52.2	55.9	52.2	56.8	52.8	60.0	55.0	NO	NO	0.9	0.7	0.9	0.6	NO	NO	NO
R409_1	55.1	51.2	56.1	52.1	55.7	52.0	56.7	52.7	60.0	55.0	NO	NO	1.0	0.9	1.0	0.7	NO	NO	NO
R410_1	67.9	64.1	69.3	65.5	68.5	64.9	69.9	66.1	60.0	55.0	YES	YES	1.4	1.4	1.4	1.2	YES	YES	YES
R410_2	69.3	65.4	70.7	66.8	69.9	66.2	71.3	67.5	60.0	55.0	YES	YES	1.4	1.4	1.4	1.3	YES	YES	YES
R411_1	56.4	52.5	57.4	53.4	57.0	53.2	58.0	54.0	60.0	55.0	NO	NO	1.0	0.9	1.0	0.8	NO	NO	NO
R412_1	55.2	51.3	56.0	52.1	55.8	52.0	56.6	52.7	60.0	55.0	NO	NO	0.8	0.8	0.8	0.7	NO	NO	NO
R413_1	53.5	49.5	54.3	50.3	54.1	50.3	54.9	50.9	60.0	55.0	NO	NO	0.8	0.8	0.8	0.6	NO	NO	NO
R414_1	55.6	51.7	56.5	52.5	56.2	52.4	57.1	53.1	60.0	55.0	NO	NO	0.9	0.8	0.9	0.7	NO	NO	NO
R415_1	55.1	51.2	56.0	52.1	55.6	51.9	56.6	52.7	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R416_1	58.5	54.6	59.4	55.5	59.1	55.4	60.1	56.2	60.0	55.0	NO	YES	0.9	0.9	1.0	0.8	NO	NO	NO
R416_2	60.5	56.6	61.5	57.5	61.1	57.3	62.1	58.1	60.0	55.0	YES	YES	1.0	0.9	1.0	0.8	NO	NO	NO
R417_1	70.1	62.2	70.1	62.2	70.1	62.2	70.1	62.3	60.0	55.0	YES	YES	0.0	0.0	0.0	0.1	YES	YES	YES
R418_1	55.0	51.2	55.9	52.0	55.6	51.9	56.5	52.6	60.0	55.0	NO	NO	0.9	0.8	0.9	0.7	NO	NO	NO
R419_1	68.8	64.9	70.5	66.7	69.4	65.7	71.1	67.3	60.0	55.0	YES	YES	1.7	1.8	1.7	1.6	YES	YES	YES
R419_2	70.5	66.6	71.8	68.0	71.1	67.4	72.5	68.7	60.0	55.0	YES	YES	1.3	1.4	1.4	1.3	YES	YES	YES
R420_1	56.8	52.9	57.2	53.3	57.4	53.7	57.9	53.9	60.0	55.0	NO	NO	0.4	0.4	0.5	0.2	NO	NO	NO
R421_1	53.0	48.9	53.8	49.7	53.5	49.6	54.3	50.3	60.0	55.0	NO	NO	0.8	0.8	0.8	0.7	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R422_1	57.4	53.5	58.4	54.4	58.0	54.2	59.0	55.0	60.0	55.0	NO	NO	1.0	0.9	1.0	0.8	NO	NO	NO
R422_2	62.8	58.9	63.7	59.7	63.4	59.6	64.3	60.3	60.0	55.0	YES	YES	0.9	0.8	0.9	0.7	NO	YES	YES
R423_1	55.0	51.1	55.8	52.0	55.6	51.9	56.5	52.6	60.0	55.0	NO	NO	0.8	0.9	0.9	0.7	NO	NO	NO
R424_1	54.9	50.9	55.6	51.6	55.5	51.6	56.2	52.2	60.0	55.0	NO	NO	0.7	0.7	0.7	0.6	NO	NO	NO
R424_2	59.3	55.3	60.2	56.1	59.9	56.0	60.8	56.7	60.0	55.0	YES	YES	0.9	0.8	0.9	0.7	NO	NO	NO
R425_1	57.9	54.0	59.0	55.0	58.5	54.8	59.6	55.6	60.0	55.0	NO	YES	1.1	1.0	1.1	0.8	NO	NO	NO
R426_1	55.6	51.4	56.3	52.2	56.1	52.1	56.8	52.7	60.0	55.0	NO	NO	0.7	0.8	0.7	0.6	NO	NO	NO
R427_1	56.1	52.2	56.5	52.5	56.6	52.9	57.1	53.1	60.0	55.0	NO	NO	0.4	0.3	0.5	0.2	NO	NO	NO
R428_1	54.5	50.5	55.0	51.0	55.0	51.2	55.6	51.6	60.0	55.0	NO	NO	0.5	0.5	0.6	0.4	NO	NO	NO
R429_1	55.0	51.1	55.8	51.9	55.5	51.8	56.4	52.5	60.0	55.0	NO	NO	0.8	0.8	0.9	0.7	NO	NO	NO
R430_1	67.5	60.6	67.6	60.7	67.5	60.7	67.6	60.8	60.0	55.0	YES	YES	0.1	0.1	0.1	0.1	YES	YES	YES
R431_1	54.9	51.0	55.7	51.8	55.4	51.7	56.3	52.4	60.0	55.0	NO	NO	0.8	0.8	0.9	0.7	NO	NO	NO
R432_1	56.4	52.5	56.8	52.8	57.0	53.2	57.4	53.4	60.0	55.0	NO	NO	0.4	0.3	0.4	0.2	NO	NO	NO
R432_2	58.5	54.6	59.1	55.2	59.1	55.3	59.8	55.8	60.0	55.0	NO	YES	0.6	0.6	0.7	0.5	NO	NO	NO
R433_1	55.4	51.5	56.4	52.4	56.0	52.2	57.0	53.0	60.0	55.0	NO	NO	1.0	0.9	1.0	0.8	NO	NO	NO
R434_1	55.5	51.6	56.0	52.1	56.1	52.3	56.6	52.7	60.0	55.0	NO	NO	0.5	0.5	0.5	0.4	NO	NO	NO
R435_1	55.3	51.4	56.0	52.1	55.9	52.1	56.6	52.7	60.0	55.0	NO	NO	0.7	0.7	0.7	0.6	NO	NO	NO
R436_1	66.3	62.4	67.9	64.0	66.9	63.2	68.5	64.6	60.0	55.0	YES	YES	1.6	1.6	1.6	1.4	YES	YES	YES
R436_2	68.1	64.2	69.6	65.8	68.7	65.0	70.2	66.4	60.0	55.0	YES	YES	1.5	1.6	1.5	1.4	YES	YES	YES
R437_1	56.1	52.2	56.4	52.4	56.7	53.0	57.0	53.1	60.0	55.0	NO	NO	0.3	0.2	0.3	0.1	NO	NO	NO
R438_1	54.8	50.9	55.6	51.7	55.4	51.6	56.2	52.3	60.0	55.0	NO	NO	0.8	0.8	0.8	0.7	NO	NO	NO
R439_1	54.8	50.9	55.7	51.8	55.3	51.6	56.3	52.4	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R440_1	55.1	51.3	55.7	51.8	55.7	52.0	56.3	52.4	60.0	55.0	NO	NO	0.6	0.5	0.6	0.4	NO	NO	NO
R441_1	69.3	65.4	71.6	67.8	69.9	66.2	72.2	68.4	60.0	55.0	YES	YES	2.3	2.4	2.3	2.2	YES	YES	YES
R441_2	71.3	67.5	72.8	69.0	71.9	68.3	73.4	69.6	60.0	55.0	YES	YES	1.5	1.5	1.5	1.3	YES	YES	YES
R442_1	66.8	60.2	66.9	60.3	66.8	60.3	66.9	60.4	60.0	55.0	YES	YES	0.1	0.1	0.1	0.1	YES	YES	YES
R443_1	54.3	50.4	55.1	51.2	54.8	51.1	55.7	51.8	60.0	55.0	NO	NO	0.8	0.8	0.9	0.7	NO	NO	NO
R444_1	55.3	51.4	55.6	51.7	55.9	52.2	56.3	52.3	60.0	55.0	NO	NO	0.3	0.3	0.4	0.1	NO	NO	NO
R445_1	58.1	54.2	59.2	55.2	58.7	54.9	59.8	55.8	60.0	55.0	NO	YES	1.1	1.0	1.1	0.9	NO	NO	NO
R446_1	54.6	50.8	55.5	51.6	55.2	51.5	56.1	52.2	60.0	55.0	NO	NO	0.9	0.8	0.9	0.7	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R447_1	58.1	54.2	59.1	55.2	58.7	54.9	59.7	55.8	60.0	55.0	NO	YES	1.0	1.0	1.0	0.9	NO	NO	NO
R447_2	61.6	57.6	62.7	58.7	62.1	58.3	63.3	59.3	60.0	55.0	YES	YES	1.1	1.1	1.2	1.0	NO	NO	NO
R448_1	54.7	50.9	55.4	51.5	55.3	51.6	56.0	52.1	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO
R449_1	52.8	48.6	53.6	49.5	53.3	49.2	54.1	50.0	60.0	55.0	NO	NO	0.8	0.9	0.8	0.8	NO	NO	NO
R450_1	54.6	50.8	55.5	51.6	55.2	51.5	56.1	52.2	60.0	55.0	NO	NO	0.9	0.8	0.9	0.7	NO	NO	NO
R451_1	54.5	50.6	55.6	51.6	55.1	51.3	56.2	52.2	60.0	55.0	NO	NO	1.1	1.0	1.1	0.9	NO	NO	NO
R451_2	58.8	54.9	59.9	55.9	59.4	55.6	60.5	56.5	60.0	55.0	YES	YES	1.1	1.0	1.1	0.9	NO	NO	NO
R452_1	54.9	51.1	55.6	51.7	55.5	51.8	56.2	52.3	60.0	55.0	NO	NO	0.7	0.6	0.7	0.5	NO	NO	NO
R453_1	58.5	54.5	59.6	55.5	59.1	55.2	60.2	56.1	60.0	55.0	NO	YES	1.1	1.0	1.1	0.9	NO	NO	NO
R453_2	67.5	63.6	69.1	65.0	68.1	64.3	69.7	65.6	60.0	55.0	YES	YES	1.6	1.4	1.6	1.3	YES	YES	YES
R454_1	69.4	65.5	71.3	67.4	70.0	66.3	71.9	68.0	60.0	55.0	YES	YES	1.9	1.9	1.9	1.7	YES	YES	YES
R454_2	71.5	67.6	73.0	69.2	72.1	68.5	73.6	69.8	60.0	55.0	YES	YES	1.5	1.6	1.5	1.3	YES	YES	YES
R455_1	58.4	54.5	59.4	55.4	59.0	55.2	60.0	56.0	60.0	55.0	NO	YES	1.0	0.9	1.0	0.8	NO	NO	NO
R456_1	54.0	50.1	54.8	50.9	54.5	50.8	55.4	51.5	60.0	55.0	NO	NO	0.8	0.8	0.9	0.7	NO	NO	NO
R457_1	53.1	49.1	54.2	50.2	53.6	49.8	54.8	50.8	60.0	55.0	NO	NO	1.1	1.1	1.2	1.0	NO	NO	NO
R457_2	57.6	53.6	58.6	54.7	58.1	54.3	59.2	55.3	60.0	55.0	NO	NO	1.0	1.1	1.1	1.0	NO	NO	NO
R458_1	67.8	60.8	67.8	60.9	67.8	60.9	67.8	61.0	60.0	55.0	YES	YES	0.0	0.1	0.0	0.1	YES	YES	YES
R459_1	54.4	50.4	55.2	51.2	55.0	51.0	55.8	51.8	60.0	55.0	NO	NO	0.8	0.8	0.8	0.8	NO	NO	NO
R460_1	54.1	50.3	54.9	51.0	54.7	51.0	55.5	51.6	60.0	55.0	NO	NO	0.8	0.7	0.8	0.6	NO	NO	NO
R461_1	53.9	50.0	54.7	50.9	54.4	50.7	55.4	51.5	60.0	55.0	NO	NO	0.8	0.9	1.0	0.8	NO	NO	NO
R462_1	59.1	55.1	60.3	56.3	59.7	55.9	60.9	56.9	60.0	55.0	YES	YES	1.2	1.2	1.2	1.0	NO	NO	NO
R462_2	66.9	62.9	68.4	64.4	67.5	63.7	69.0	65.0	60.0	55.0	YES	YES	1.5	1.5	1.5	1.3	YES	YES	YES
R463_1	55.4	50.7	55.8	51.2	55.7	51.1	56.1	51.6	60.0	55.0	NO	NO	0.4	0.5	0.4	0.5	NO	NO	NO
R464_1	53.6	49.6	54.7	50.7	54.2	50.3	55.3	51.3	60.0	55.0	NO	NO	1.1	1.1	1.1	1.0	NO	NO	NO
R464_2	56.9	53.0	58.0	54.0	57.5	53.7	58.6	54.6	60.0	55.0	NO	NO	1.1	1.0	1.1	0.9	NO	NO	NO
R465_1	53.5	49.6	54.4	50.5	54.0	50.3	55.0	51.1	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R466_1	54.5	50.4	55.6	51.6	55.1	51.1	56.2	52.1	60.0	55.0	NO	NO	1.1	1.2	1.1	1.0	NO	NO	NO
R467_1	59.4	55.4	60.6	56.5	60.0	56.1	61.2	57.1	60.0	55.0	YES	YES	1.2	1.1	1.2	1.0	NO	NO	NO
R468_1	60.3	56.3	61.4	57.4	60.9	57.1	62.1	58.0	60.0	55.0	YES	YES	1.1	1.1	1.2	0.9	NO	NO	NO
R468_2	63.4	59.4	64.6	60.5	64.0	60.1	65.2	61.1	60.0	55.0	YES	YES	1.2	1.1	1.2	1.0	YES	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R469_1	54.4	50.5	55.2	51.3	54.9	51.2	55.8	51.8	60.0	55.0	NO	NO	0.8	0.8	0.9	0.6	NO	NO	NO
R470_1	56.1	51.5	56.5	52.0	56.4	51.9	56.9	52.4	60.0	55.0	NO	NO	0.4	0.5	0.5	0.5	NO	NO	NO
R471_1	53.2	49.3	54.1	50.3	53.7	50.0	54.7	50.8	60.0	55.0	NO	NO	0.9	1.0	1.0	0.8	NO	NO	NO
R472_1	54.1	50.1	55.2	51.2	54.7	50.8	55.8	51.8	60.0	55.0	NO	NO	1.1	1.1	1.1	1.0	NO	NO	NO
R473_1	56.5	52.4	57.7	53.6	57.0	52.9	58.2	54.2	60.0	55.0	NO	NO	1.2	1.2	1.2	1.3	NO	NO	NO
R474_1	66.1	59.9	66.2	60.1	66.2	59.9	66.3	60.2	60.0	55.0	YES	YES	0.1	0.2	0.1	0.3	YES	YES	YES
R475_1	53.9	50.0	54.7	50.9	54.4	50.7	55.3	51.5	60.0	55.0	NO	NO	0.8	0.9	0.9	0.8	NO	NO	NO
R476_1	59.6	55.6	60.9	56.8	60.2	56.3	61.5	57.4	60.0	55.0	YES	YES	1.3	1.2	1.3	1.1	NO	NO	NO
R477_1	54.3	50.0	54.8	50.6	54.8	50.6	55.2	51.1	60.0	55.0	NO	NO	0.5	0.6	0.4	0.5	NO	NO	NO
R478_1	57.2	52.4	57.6	52.9	57.5	52.8	57.9	53.3	60.0	55.0	NO	NO	0.4	0.5	0.4	0.5	NO	NO	NO
R479_1	54.5	50.5	55.6	51.6	55.0	51.1	56.2	52.2	60.0	55.0	NO	NO	1.1	1.1	1.2	1.1	NO	NO	NO
R479_2	57.7	53.7	58.8	54.9	58.3	54.4	59.4	55.5	60.0	55.0	NO	YES	1.1	1.2	1.1	1.1	NO	NO	NO
R480_1	66.8	62.8	68.3	64.3	67.4	63.5	68.9	64.9	60.0	55.0	YES	YES	1.5	1.5	1.5	1.4	YES	YES	YES
R481_1	53.6	49.8	54.4	50.6	54.2	50.5	55.0	51.1	60.0	55.0	NO	NO	0.8	0.8	0.8	0.6	NO	NO	NO
R482_1	67.6	61.0	67.7	61.2	67.7	61.1	67.8	61.3	60.0	55.0	YES	YES	0.1	0.2	0.1	0.2	YES	YES	YES
R482_2	68.4	61.9	68.5	62.2	68.4	62.1	68.6	62.4	60.0	55.0	YES	YES	0.1	0.3	0.2	0.3	YES	YES	YES
R483_1	54.6	50.3	55.1	50.9	55.0	50.8	55.6	51.4	60.0	55.0	NO	NO	0.5	0.6	0.6	0.6	NO	NO	NO
R484_1	53.2	49.4	54.1	50.3	53.8	50.1	54.7	50.9	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R485_1	54.8	50.8	55.9	51.9	55.3	51.5	56.5	52.5	60.0	55.0	NO	NO	1.1	1.1	1.2	1.0	NO	NO	NO
R486_1	59.7	55.6	61.0	56.9	60.2	56.3	61.6	57.5	60.0	55.0	YES	YES	1.3	1.3	1.4	1.2	NO	NO	NO
R487_1	53.2	49.4	54.3	50.4	53.8	50.1	54.9	51.0	60.0	55.0	NO	NO	1.1	1.0	1.1	0.9	NO	NO	NO
R488_1	63.8	59.3	65.0	60.8	64.2	59.8	65.5	61.2	60.0	55.0	YES	YES	1.2	1.5	1.3	1.4	YES	YES	YES
R489_1	56.7	52.0	57.1	52.6	57.0	52.4	57.5	53.0	60.0	55.0	NO	NO	0.4	0.6	0.5	0.6	NO	NO	NO
R490_1	53.5	49.6	54.4	50.6	54.1	50.3	55.0	51.2	60.0	55.0	NO	NO	0.9	1.0	0.9	0.9	NO	NO	NO
R491_1	54.8	50.7	55.5	51.4	55.3	51.2	56.1	52.0	60.0	55.0	NO	NO	0.7	0.7	0.8	0.8	NO	NO	NO
R492_1	53.9	50.1	54.8	50.9	54.5	50.7	55.4	51.5	60.0	55.0	NO	NO	0.9	0.8	0.9	0.8	NO	NO	NO
R493_1	64.8	59.8	65.6	60.8	65.1	60.2	65.9	61.2	60.0	55.0	YES	YES	0.8	1.0	0.8	1.0	YES	YES	YES
R493_2	65.8	60.8	66.5	61.8	66.0	61.1	66.8	62.2	60.0	55.0	YES	YES	0.7	1.0	0.8	1.1	YES	YES	YES
R494_1	54.2	50.1	54.9	50.8	54.7	50.6	55.4	51.3	60.0	55.0	NO	NO	0.7	0.7	0.7	0.7	NO	NO	NO
R495_1	68.0	61.4	68.1	61.7	68.0	61.5	68.2	61.9	60.0	55.0	YES	YES	0.1	0.3	0.2	0.4	YES	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R495_2	68.6	62.2	68.8	62.5	68.7	62.3	68.9	62.7	60.0	55.0	YES	YES	0.2	0.3	0.2	0.4	YES	YES	YES
R496_1	54.2	50.2	55.4	51.4	54.8	50.9	56.0	52.0	60.0	55.0	NO	NO	1.2	1.2	1.2	1.1	NO	NO	NO
R497_1	59.2	55.1	60.5	56.5	59.7	55.8	61.1	57.1	60.0	55.0	YES	YES	1.3	1.4	1.4	1.3	NO	NO	NO
R498_1	55.0	50.7	55.8	51.7	55.4	51.3	56.3	52.2	60.0	55.0	NO	NO	0.8	1.0	0.9	0.9	NO	NO	NO
R499_1	56.1	51.5	56.7	52.3	56.4	51.9	57.1	52.7	60.0	55.0	NO	NO	0.6	0.8	0.7	0.8	NO	NO	NO
R500_1	53.8	50.0	54.7	50.8	54.4	50.6	55.3	51.4	60.0	55.0	NO	NO	0.9	0.8	0.9	0.8	NO	NO	NO
R501_1	67.8	61.4	68.1	61.8	67.9	61.5	68.1	61.9	60.0	55.0	YES	YES	0.3	0.4	0.2	0.4	YES	YES	YES
R501_2	68.4	62.1	68.7	62.5	68.5	62.2	68.8	62.7	60.0	55.0	YES	YES	0.3	0.4	0.3	0.5	YES	YES	YES
R502_1	55.9	51.5	56.5	52.2	56.3	52.0	56.9	52.7	60.0	55.0	NO	NO	0.6	0.7	0.6	0.7	NO	NO	NO
R503_1	53.1	49.2	54.1	50.3	53.7	49.9	54.7	50.9	60.0	55.0	NO	NO	1.0	1.1	1.0	1.0	NO	NO	NO
R504_1	54.8	50.4	55.7	51.5	55.2	50.9	56.2	52.1	60.0	55.0	NO	NO	0.9	1.1	1.0	1.2	NO	NO	NO
R505_1	54.2	50.0	54.9	50.9	54.7	50.5	55.5	51.4	60.0	55.0	NO	NO	0.7	0.9	0.8	0.9	NO	NO	NO
R506_1	53.7	49.9	54.6	50.7	54.3	50.5	55.2	51.3	60.0	55.0	NO	NO	0.9	0.8	0.9	0.8	NO	NO	NO
R507_1	58.8	54.7	60.1	56.0	59.3	55.3	60.7	56.6	60.0	55.0	YES	YES	1.3	1.3	1.4	1.3	NO	NO	NO
R508_1	53.8	49.8	54.9	50.9	54.3	50.4	55.5	51.5	60.0	55.0	NO	NO	1.1	1.1	1.2	1.1	NO	NO	NO
R508_2	56.8	52.7	57.9	53.9	57.3	53.4	58.5	54.5	60.0	55.0	NO	NO	1.1	1.2	1.2	1.1	NO	NO	NO
R509_1	53.5	49.6	54.5	50.6	54.0	50.3	55.1	51.2	60.0	55.0	NO	NO	1.0	1.0	1.1	0.9	NO	NO	NO
R510_1	55.2	50.8	55.8	51.6	55.6	51.4	56.3	52.1	60.0	55.0	NO	NO	0.6	0.8	0.7	0.7	NO	NO	NO
R511_1	53.8	49.9	54.6	50.7	54.3	50.6	55.2	51.3	60.0	55.0	NO	NO	0.8	0.8	0.9	0.7	NO	NO	NO
R512_1	67.5	61.2	67.8	61.6	67.6	61.3	67.9	61.8	60.0	55.0	YES	YES	0.3	0.4	0.3	0.5	YES	YES	YES
R513_1	53.7	49.9	54.6	50.8	54.3	50.6	55.2	51.4	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R514_1	55.0	51.1	56.2	52.2	55.6	51.7	56.8	52.8	60.0	55.0	NO	NO	1.2	1.1	1.2	1.1	NO	NO	NO
R515_1	55.4	51.0	56.3	52.1	55.8	51.5	56.8	52.6	60.0	55.0	NO	NO	0.9	1.1	1.0	1.1	NO	NO	NO
R516_1	67.2	61.0	67.5	61.6	67.3	61.2	67.7	61.8	60.0	55.0	YES	YES	0.3	0.6	0.4	0.6	YES	YES	YES
R516_2	67.9	61.9	68.3	62.5	68.0	62.1	68.5	62.8	60.0	55.0	YES	YES	0.4	0.6	0.5	0.7	YES	YES	YES
R517_1	53.5	49.8	54.4	50.7	54.1	50.4	55.0	51.2	60.0	55.0	NO	NO	0.9	0.9	0.9	0.8	NO	NO	NO
R518_1	61.0	56.9	62.3	58.2	61.5	57.6	62.9	58.8	60.0	55.0	YES	YES	1.3	1.3	1.4	1.2	NO	NO	NO
R518_2	65.8	61.6	67.1	62.9	66.3	62.3	67.7	63.5	60.0	55.0	YES	YES	1.3	1.3	1.4	1.2	YES	YES	YES
R519_1	53.2	49.4	54.1	50.3	53.7	50.1	54.7	50.9	60.0	55.0	NO	NO	0.9	0.9	1.0	0.8	NO	NO	NO
R520_1	66.5	60.6	67.0	61.4	66.7	60.9	67.2	61.7	60.0	55.0	YES	YES	0.5	0.8	0.5	0.8	YES	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R521_1	54.3	50.4	55.4	51.5	54.9	51.1	56.0	52.1	60.0	55.0	NO	NO	1.1	1.1	1.1	1.0	NO	NO	NO
R522_1	53.1	49.0	53.9	49.9	53.6	49.6	54.5	50.5	60.0	55.0	NO	NO	0.8	0.9	0.9	0.9	NO	NO	NO
R523_1	53.6	49.4	54.6	50.6	54.1	50.0	55.1	51.1	60.0	55.0	NO	NO	1.0	1.2	1.0	1.1	NO	NO	NO
R524_1	53.2	49.0	54.1	50.2	53.7	49.6	54.7	50.7	60.0	55.0	NO	NO	0.9	1.2	1.0	1.1	NO	NO	NO
R525_1	54.5	50.2	55.5	51.4	55.0	50.7	56.0	51.9	60.0	55.0	NO	NO	1.0	1.2	1.0	1.2	NO	NO	NO
R526_1	53.9	49.7	54.8	50.7	54.4	50.3	55.3	51.3	60.0	55.0	NO	NO	0.9	1.0	0.9	1.0	NO	NO	NO
R527_1	54.3	50.1	55.2	51.2	54.8	50.6	55.7	51.7	60.0	55.0	NO	NO	0.9	1.1	0.9	1.1	NO	NO	NO
R528_1	65.9	60.3	66.5	61.2	66.1	60.6	66.8	61.6	60.0	55.0	YES	YES	0.6	0.9	0.7	1.0	YES	YES	YES
R529_1	54.9	50.6	55.9	51.7	55.3	51.1	56.4	52.2	60.0	55.0	NO	NO	1.0	1.1	1.1	1.1	NO	NO	NO
R530_1	54.0	50.2	55.1	51.3	54.6	50.8	55.7	51.8	60.0	55.0	NO	NO	1.1	1.1	1.1	1.0	NO	NO	NO
R531_1	59.9	55.9	61.3	57.3	60.5	56.5	61.9	57.9	60.0	55.0	YES	YES	1.4	1.4	1.4	1.4	NO	NO	NO
R532_1	55.9	51.9	57.1	53.1	56.5	52.6	57.7	53.7	60.0	55.0	NO	NO	1.2	1.2	1.2	1.1	NO	NO	NO
R532_2	59.3	55.3	60.6	56.6	59.9	56.0	61.2	57.2	60.0	55.0	YES	YES	1.3	1.3	1.3	1.2	NO	NO	NO
R533_1	54.0	50.2	54.9	51.1	54.6	50.8	55.5	51.7	60.0	55.0	NO	NO	0.9	0.9	0.9	0.9	NO	NO	NO
R534_1	65.2	60.2	66.1	61.5	65.5	60.6	66.5	61.9	60.0	55.0	YES	YES	0.9	1.3	1.0	1.3	YES	YES	YES
R535_1	54.2	50.4	55.2	51.4	54.7	51.0	55.8	52.0	60.0	55.0	NO	NO	1.0	1.0	1.1	1.0	NO	NO	NO
R536_1	60.1	56.0	61.5	57.5	60.6	56.6	62.1	58.1	60.0	55.0	YES	YES	1.4	1.5	1.5	1.5	NO	NO	NO
R537_1	55.4	51.4	56.6	52.6	55.9	52.1	57.2	53.2	60.0	55.0	NO	NO	1.2	1.2	1.3	1.1	NO	NO	NO
R537_2	58.8	54.8	60.0	56.1	59.3	55.5	60.6	56.7	60.0	55.0	YES	YES	1.2	1.3	1.3	1.2	NO	NO	NO
R538_1	55.6	51.2	56.7	52.6	56.1	51.7	57.2	53.1	60.0	55.0	NO	NO	1.1	1.4	1.1	1.4	NO	NO	NO
R539_1	53.5	49.8	54.5	50.7	54.1	50.4	55.1	51.3	60.0	55.0	NO	NO	1.0	0.9	1.0	0.9	NO	NO	NO
R540_1	53.5	49.3	54.4	50.4	54.0	49.8	55.0	51.0	60.0	55.0	NO	NO	0.9	1.1	1.0	1.2	NO	NO	NO
R541_1	52.8	48.7	53.8	49.8	53.3	49.2	54.3	50.4	60.0	55.0	NO	NO	1.0	1.1	1.0	1.2	NO	NO	NO
R542_1	54.1	49.9	55.1	51.1	54.6	50.5	55.6	51.7	60.0	55.0	NO	NO	1.0	1.2	1.0	1.2	NO	NO	NO
R543_1	54.9	50.6	56.0	51.9	55.4	51.2	56.5	52.4	60.0	55.0	NO	NO	1.1	1.3	1.1	1.2	NO	NO	NO
R544_1	53.7	50.0	54.7	51.0	54.3	50.6	55.3	51.5	60.0	55.0	NO	NO	1.0	1.0	1.0	0.9	NO	NO	NO
R545_1	53.1	49.4	54.1	50.4	53.7	50.1	54.7	51.0	60.0	55.0	NO	NO	1.0	1.0	1.0	0.9	NO	NO	NO
R546_1	54.7	50.5	56.3	52.1	55.2	51.0	56.8	52.7	60.0	55.0	NO	NO	1.6	1.6	1.6	1.7	NO	NO	NO
R547_1	54.5	50.6	55.7	51.8	55.1	51.2	56.3	52.4	60.0	55.0	NO	NO	1.2	1.2	1.2	1.2	NO	NO	NO
R548_1	57.9	53.9	59.2	55.2	58.4	54.5	59.8	55.8	60.0	55.0	NO	YES	1.3	1.3	1.4	1.3	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R549_1	57.2	52.8	58.7	54.5	57.7	53.3	59.2	55.1	60.0	55.0	NO	NO	1.5	1.7	1.5	1.8	NO	NO	NO
R550_1	52.9	49.2	53.9	50.2	53.4	49.8	54.5	50.8	60.0	55.0	NO	NO	1.0	1.0	1.1	1.0	NO	NO	NO
R551_1	63.5	59.1	64.8	60.7	63.9	59.6	65.3	61.2	60.0	55.0	YES	YES	1.3	1.6	1.4	1.6	YES	YES	YES
R552_1	53.7	49.5	54.8	50.9	54.2	50.0	55.4	51.4	60.0	55.0	NO	NO	1.1	1.4	1.2	1.4	NO	NO	NO
R553_1	52.9	49.2	54.0	50.2	53.5	49.8	54.6	50.8	60.0	55.0	NO	NO	1.1	1.0	1.1	1.0	NO	NO	NO
R554_1	58.5	54.6	59.9	56.0	59.1	55.2	60.5	56.5	60.0	55.0	YES	YES	1.4	1.4	1.4	1.3	NO	NO	NO
R555_1	62.9	58.8	64.5	60.5	63.4	59.3	65.1	61.1	60.0	55.0	YES	YES	1.6	1.7	1.7	1.8	YES	YES	YES
R556_1	52.3	48.6	53.5	49.8	52.9	49.2	54.1	50.4	60.0	55.0	NO	NO	1.2	1.2	1.2	1.2	NO	NO	NO
R557_1	52.9	48.7	54.0	50.0	53.4	49.2	54.6	50.6	60.0	55.0	NO	NO	1.1	1.3	1.2	1.4	NO	NO	NO
R558_1	53.6	49.7	54.9	51.0	54.2	50.3	55.5	51.6	60.0	55.0	NO	NO	1.3	1.3	1.3	1.3	NO	NO	NO
R559_1	55.6	51.4	56.8	52.8	56.1	52.0	57.3	53.3	60.0	55.0	NO	NO	1.2	1.4	1.2	1.3	NO	NO	NO
R560_1	58.7	54.7	60.1	56.1	59.3	55.3	60.7	56.7	60.0	55.0	YES	YES	1.4	1.4	1.4	1.4	NO	NO	NO
R560_2	67.8	63.8	69.1	65.1	68.4	64.4	69.7	65.7	60.0	55.0	YES	YES	1.3	1.3	1.3	1.3	YES	YES	YES
R561_1	64.7	60.6	66.2	62.3	65.3	61.2	66.8	62.8	60.0	55.0	YES	YES	1.5	1.7	1.5	1.6	YES	YES	YES
R562_1	54.4	50.3	55.8	51.8	54.9	50.9	56.3	52.4	60.0	55.0	NO	NO	1.4	1.5	1.4	1.5	NO	NO	NO
R563_1	52.5	48.9	53.7	50.0	53.1	49.5	54.3	50.6	60.0	55.0	NO	NO	1.2	1.1	1.2	1.1	NO	NO	NO
R564_1	54.0	49.9	55.3	51.4	54.5	50.5	55.9	51.9	60.0	55.0	NO	NO	1.3	1.5	1.4	1.4	NO	NO	NO
R565_1	53.5	49.3	54.7	50.8	54.0	49.9	55.3	51.3	60.0	55.0	NO	NO	1.2	1.5	1.3	1.4	NO	NO	NO
R566_1	53.5	49.6	54.8	50.9	54.1	50.2	55.4	51.5	60.0	55.0	NO	NO	1.3	1.3	1.3	1.3	NO	NO	NO
R567_1	67.2	63.2	69.0	65.2	67.8	63.8	69.6	65.8	60.0	55.0	YES	YES	1.8	2.0	1.8	2.0	YES	YES	YES
R568_1	55.2	51.1	56.5	52.5	55.7	51.7	57.1	53.1	60.0	55.0	NO	NO	1.3	1.4	1.4	1.4	NO	NO	NO
R569_1	53.5	49.3	54.4	50.5	54.0	49.9	55.0	51.1	60.0	55.0	NO	NO	0.9	1.2	1.0	1.2	NO	NO	NO
R570_1	53.5	49.4	54.4	50.5	54.1	50.0	54.9	51.0	60.0	55.0	NO	NO	0.9	1.1	0.8	1.0	NO	NO	NO
R571_1	58.9	55.0	60.3	56.4	59.5	55.6	60.9	56.9	60.0	55.0	YES	YES	1.4	1.4	1.4	1.3	NO	NO	NO
R571_2	68.5	64.5	69.8	65.9	69.1	65.1	70.5	66.4	60.0	55.0	YES	YES	1.3	1.4	1.4	1.3	YES	YES	YES
R572_1	53.8	49.9	55.1	51.2	54.4	50.6	55.7	51.8	60.0	55.0	NO	NO	1.3	1.3	1.3	1.2	NO	NO	NO
R572_2	57.3	53.4	58.6	54.7	57.9	54.0	59.2	55.2	60.0	55.0	NO	NO	1.3	1.3	1.3	1.2	NO	NO	NO
R573_1	67.1	63.2	68.9	65.1	67.7	63.8	69.6	65.7	60.0	55.0	YES	YES	1.8	1.9	1.9	1.9	YES	YES	YES
R574_1	52.7	49.1	53.8	50.2	53.2	49.7	54.4	50.8	60.0	55.0	NO	NO	1.1	1.1	1.2	1.1	NO	NO	NO
R575_1	55.6	51.6	56.8	52.9	56.2	52.1	57.4	53.5	60.0	55.0	NO	NO	1.2	1.3	1.2	1.4	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
													Year Opening		Design Year				
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
R576_1	53.4	49.4	54.6	50.7	53.9	50.1	55.2	51.2	60.0	55.0	NO	NO	1.2	1.3	1.3	1.1	NO	NO	NO
R577_1	52.4	48.8	53.6	49.9	53.0	49.4	54.2	50.4	60.0	55.0	NO	NO	1.2	1.1	1.2	1.0	NO	NO	NO
R578_1	67.5	63.5	69.3	65.6	68.1	64.1	69.9	66.2	60.0	55.0	YES	YES	1.8	2.1	1.8	2.1	YES	YES	YES
R579_1	54.7	50.6	56.0	52.2	55.3	51.2	56.6	52.8	60.0	55.0	NO	NO	1.3	1.6	1.3	1.6	NO	NO	NO
R580_1	56.2	52.4	57.6	53.7	56.8	53.0	58.2	54.3	60.0	55.0	NO	NO	1.4	1.3	1.4	1.3	NO	NO	NO
R581_1	55.0	51.0	56.4	52.5	55.6	51.5	57.0	53.1	60.0	55.0	NO	NO	1.4	1.5	1.4	1.6	NO	NO	NO
R581_2	58.0	54.0	59.5	55.6	58.6	54.6	60.1	56.1	60.0	55.0	NO	YES	1.5	1.6	1.5	1.5	NO	NO	NO
R582_1	53.3	49.8	54.5	50.9	53.9	50.4	55.1	51.4	60.0	55.0	NO	NO	1.2	1.1	1.2	1.0	NO	NO	NO
R583_1	50.8	46.7	52.0	48.1	51.3	47.2	52.6	48.7	60.0	55.0	NO	NO	1.2	1.4	1.3	1.5	NO	NO	NO
R584_1	67.7	63.7	69.6	65.8	68.3	64.3	70.2	66.4	60.0	55.0	YES	YES	1.9	2.1	1.9	2.1	YES	YES	YES
R585_1	54.4	50.3	55.8	51.9	55.0	50.9	56.4	52.5	60.0	55.0	NO	NO	1.4	1.6	1.4	1.6	NO	NO	NO
R586_1	53.1	49.0	54.1	50.2	53.7	49.6	54.7	50.8	60.0	55.0	NO	NO	1.0	1.2	1.0	1.2	NO	NO	NO
R587_1	56.5	52.5	58.0	54.1	57.1	53.1	58.6	54.6	60.0	55.0	NO	NO	1.5	1.6	1.5	1.5	NO	NO	NO
R588_1	53.2	49.1	54.2	50.3	53.8	49.7	54.8	50.9	60.0	55.0	NO	NO	1.0	1.2	1.0	1.2	NO	NO	NO
R589_1	68.9	64.9	70.8	67.1	69.5	65.5	71.4	67.7	60.0	55.0	YES	YES	1.9	2.2	1.9	2.2	YES	YES	YES
R590_1	56.2	52.2	57.7	53.9	56.8	52.8	58.3	54.5	60.0	55.0	NO	NO	1.5	1.7	1.5	1.7	NO	NO	NO
R591_1	55.3	51.3	56.7	52.9	55.9	51.9	57.3	53.5	60.0	55.0	NO	NO	1.4	1.6	1.4	1.6	NO	NO	NO
R592_1	53.3	49.2	54.6	50.7	53.9	49.8	55.2	51.3	60.0	55.0	NO	NO	1.3	1.5	1.3	1.5	NO	NO	NO
R593_1	61.2	59.0	62.3	59.7	61.7	59.3	62.8	60.1	60.0	55.0	YES	YES	1.1	0.7	1.1	0.8	NO	YES	YES
R594_1	60.8	59.0	61.7	59.5	61.2	59.3	62.2	59.8	60.0	55.0	YES	YES	0.9	0.5	1.0	0.5	NO	YES	YES
R595_1	59.6	58.3	60.5	58.7	60.0	58.5	61.0	58.9	60.0	55.0	YES	YES	0.9	0.4	1.0	0.4	NO	NO	NO
R596_1	55.5	51.5	56.9	53.0	56.0	52.1	57.5	53.6	60.0	55.0	NO	NO	1.4	1.5	1.5	1.5	NO	NO	NO
R597_1	58.8	57.9	59.6	58.3	59.1	58.1	60.0	58.5	60.0	55.0	NO	YES	0.8	0.4	0.9	0.4	NO	NO	NO
R598_1	58.7	58.3	59.4	58.6	59.0	58.4	59.7	58.8	60.0	55.0	NO	YES	0.7	0.3	0.7	0.4	NO	NO	NO
R599_1	53.7	49.6	54.9	51.0	54.3	50.2	55.5	51.6	60.0	55.0	NO	NO	1.2	1.4	1.2	1.4	NO	NO	NO
R600_1	58.8	58.4	59.5	58.7	59.1	58.5	59.8	58.8	60.0	55.0	NO	YES	0.7	0.3	0.7	0.3	NO	NO	NO
R601_1	58.0	54.0	59.5	55.7	58.6	54.6	60.1	56.3	60.0	55.0	NO	YES	1.5	1.7	1.5	1.7	NO	NO	NO
R602_1	59.6	59.4	60.2	59.6	59.8	59.5	60.5	59.8	60.0	55.0	YES	YES	0.6	0.2	0.7	0.3	NO	YES	YES
R603_1	70.4	66.4	72.1	68.3	70.9	66.9	72.8	68.9	60.0	55.0	YES	YES	1.7	1.9	1.9	2.0	YES	YES	YES
R604_1	59.2	55.2	60.9	57.0	59.8	55.8	61.5	57.6	60.0	55.0	YES	YES	1.7	1.8	1.7	1.8	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R605_1	55.5	51.5	56.9	53.0	56.1	52.0	57.5	53.6	60.0	55.0	NO	NO	1.4	1.5	1.4	1.6	NO	NO	NO
R606_1	56.9	57.4	57.2	57.6	57.1	57.5	57.4	57.6	60.0	55.0	NO	YES	0.3	0.2	0.3	0.1	NO	NO	NO
R607_1	58.4	58.7	58.8	58.9	58.5	58.8	59.0	58.9	60.0	55.0	NO	YES	0.4	0.2	0.5	0.1	NO	NO	NO
R608_1	56.7	57.1	57.1	57.2	56.9	57.1	57.2	57.3	60.0	55.0	NO	YES	0.4	0.1	0.3	0.2	NO	NO	NO
R609_1	57.2	57.6	57.5	57.7	57.3	57.6	57.7	57.8	60.0	55.0	NO	YES	0.3	0.1	0.4	0.2	NO	NO	NO
R610_1	54.1	50.0	55.3	51.4	54.6	50.6	55.9	52.0	60.0	55.0	NO	NO	1.2	1.4	1.3	1.4	NO	NO	NO
R611_1	63.6	60.9	64.9	61.8	64.1	61.3	65.4	62.2	60.0	55.0	YES	YES	1.3	0.9	1.3	0.9	YES	YES	YES
R612_1	69.6	65.6	71.3	67.4	70.2	66.2	71.9	68.0	60.0	55.0	YES	YES	1.7	1.8	1.7	1.8	YES	YES	YES
R613_1	61.5	59.7	62.6	60.4	61.9	60.0	63.0	60.7	60.0	55.0	YES	YES	1.1	0.7	1.1	0.7	NO	YES	YES
R614_1	55.5	51.5	56.8	53.0	56.1	52.1	57.5	53.6	60.0	55.0	NO	NO	1.3	1.5	1.4	1.5	NO	NO	NO
R615_1	70.0	66.0	71.6	67.6	70.6	66.6	72.2	68.2	60.0	55.0	YES	YES	1.6	1.6	1.6	1.6	YES	YES	YES
R616_1	59.3	58.7	60.0	59.0	59.6	58.8	60.4	59.2	60.0	55.0	NO	YES	0.7	0.3	0.8	0.4	NO	NO	NO
R617_1	54.5	50.4	55.8	52.0	55.1	51.0	56.4	52.6	60.0	55.0	NO	NO	1.3	1.6	1.3	1.6	NO	NO	NO
R618_1	70.4	66.3	72.0	68.1	71.0	66.9	72.7	68.7	60.0	55.0	YES	YES	1.6	1.8	1.7	1.8	YES	YES	YES
R619_1	58.6	58.1	59.3	58.5	58.9	58.2	59.7	58.6	60.0	55.0	NO	YES	0.7	0.4	0.8	0.4	NO	NO	NO
R620_1	53.6	49.5	54.8	51.0	54.2	50.1	55.4	51.6	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R621_1	55.8	51.8	57.2	53.4	56.4	52.4	57.8	54.0	60.0	55.0	NO	NO	1.4	1.6	1.4	1.6	NO	NO	NO
R622_1	58.1	58.5	58.4	58.6	58.2	58.5	58.6	58.7	60.0	55.0	NO	YES	0.3	0.1	0.4	0.2	NO	NO	NO
R623_1	57.8	58.3	58.1	58.4	58.0	58.3	58.3	58.5	60.0	55.0	NO	YES	0.3	0.1	0.3	0.2	NO	NO	NO
R624_1	54.1	50.0	55.4	51.5	54.6	50.6	56.0	52.1	60.0	55.0	NO	NO	1.3	1.5	1.4	1.5	NO	NO	NO
R625_1	57.1	57.5	57.4	57.6	57.2	57.6	57.6	57.7	60.0	55.0	NO	YES	0.3	0.1	0.4	0.1	NO	NO	NO
R626_1	69.4	65.4	71.0	67.1	70.0	65.9	71.6	67.7	60.0	55.0	YES	YES	1.6	1.7	1.6	1.8	YES	YES	YES
R627_1	67.9	63.8	70.4	66.5	68.5	64.4	71.0	67.1	60.0	55.0	YES	YES	2.5	2.7	2.5	2.7	YES	YES	YES
R628_1	54.9	52.7	56.1	53.7	55.3	53.0	56.6	54.0	60.0	55.0	NO	NO	1.2	1.0	1.3	1.0	NO	NO	NO
R629_1	53.0	50.0	54.3	51.2	53.5	50.4	54.9	51.7	60.0	55.0	NO	NO	1.3	1.2	1.4	1.3	NO	NO	NO
R630_1	51.7	48.0	53.2	49.6	52.3	48.5	53.8	50.2	60.0	55.0	NO	NO	1.5	1.6	1.5	1.7	NO	NO	NO
R631_1	51.2	47.6	52.6	49.1	51.8	48.1	53.2	49.7	60.0	55.0	NO	NO	1.4	1.5	1.4	1.6	NO	NO	NO
R632_1	55.1	51.4	57.2	53.5	55.7	51.9	57.8	54.1	60.0	55.0	NO	NO	2.1	2.1	2.1	2.2	NO	NO	NO
R633_1	69.1	65.1	70.8	66.9	69.7	65.7	71.4	67.5	60.0	55.0	YES	YES	1.7	1.8	1.7	1.8	YES	YES	YES
R634_1	54.9	50.9	56.3	52.5	55.5	51.5	56.9	53.1	60.0	55.0	NO	NO	1.4	1.6	1.4	1.6	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R635_1	54.1	50.1	55.6	51.8	54.7	50.7	56.2	52.4	60.0	55.0	NO	NO	1.5	1.7	1.5	1.7	NO	NO	NO
R636_1	68.0	63.9	70.7	66.9	68.6	64.5	71.3	67.5	60.0	55.0	YES	YES	2.7	3.0	2.7	3.0	YES	YES	YES
R637_1	55.5	51.6	57.4	53.8	56.1	52.2	58.0	54.3	60.0	55.0	NO	NO	1.9	2.2	1.9	2.1	NO	NO	NO
R638_1	70.1	66.1	71.8	68.0	70.7	66.7	72.4	68.6	60.0	55.0	YES	YES	1.7	1.9	1.7	1.9	YES	YES	YES
R639_1	56.2	52.1	57.5	53.7	56.7	52.7	58.1	54.3	60.0	55.0	NO	NO	1.3	1.6	1.4	1.6	NO	NO	NO
R640_1	53.9	49.9	55.2	51.4	54.5	50.5	55.8	52.0	60.0	55.0	NO	NO	1.3	1.5	1.3	1.5	NO	NO	NO
R641_1	54.1	50.8	55.6	52.3	54.6	51.3	56.1	52.8	60.0	55.0	NO	NO	1.5	1.5	1.5	1.5	NO	NO	NO
R642_1	68.3	64.2	71.0	67.2	68.9	64.8	71.6	67.8	60.0	55.0	YES	YES	2.7	3.0	2.7	3.0	YES	YES	YES
R643_1	56.6	52.6	58.2	54.5	57.2	53.2	58.8	55.1	60.0	55.0	NO	NO	1.6	1.9	1.6	1.9	NO	NO	NO
R644_1	70.2	66.1	71.8	67.9	70.7	66.7	72.4	68.6	60.0	55.0	YES	YES	1.6	1.8	1.7	1.9	YES	YES	YES
R645_1	54.1	50.1	55.4	51.6	54.7	50.7	56.0	52.2	60.0	55.0	NO	NO	1.3	1.5	1.3	1.5	NO	NO	NO
R646_1	57.1	53.1	58.5	54.7	57.7	53.7	59.1	55.3	60.0	55.0	NO	NO	1.4	1.6	1.4	1.6	NO	NO	NO
R647_1	54.4	50.4	55.7	52.0	55.0	51.0	56.3	52.6	60.0	55.0	NO	NO	1.3	1.6	1.3	1.6	NO	NO	NO
R648_1	68.9	64.8	70.9	67.2	69.5	65.4	71.5	67.8	60.0	55.0	YES	YES	2.0	2.4	2.0	2.4	YES	YES	YES
R649_1	53.9	50.1	54.8	51.2	54.5	50.7	55.4	51.8	60.0	55.0	NO	NO	0.9	1.1	0.9	1.1	NO	NO	NO
R650_1	53.3	49.6	54.3	50.8	53.9	50.1	54.9	51.3	60.0	55.0	NO	NO	1.0	1.2	1.0	1.2	NO	NO	NO
R651_1	58.2	54.1	59.1	55.4	58.7	54.7	59.8	56.0	60.0	55.0	NO	YES	0.9	1.3	1.1	1.3	NO	NO	NO
R652_1	68.9	64.8	70.3	66.5	69.5	65.4	71.0	67.1	60.0	55.0	YES	YES	1.4	1.7	1.5	1.7	YES	YES	YES
R653_1	69.9	65.7	71.6	67.9	70.5	66.3	72.2	68.5	60.0	55.0	YES	YES	1.7	2.2	1.7	2.2	YES	YES	YES
R653_2	71.1	67.0	72.8	69.0	71.7	67.6	73.4	69.6	60.0	55.0	YES	YES	1.7	2.0	1.7	2.0	YES	YES	YES
R654_1	52.4	49.0	53.6	50.2	53.0	49.5	54.2	50.8	60.0	55.0	NO	NO	1.2	1.2	1.2	1.3	NO	NO	NO
R655_1	53.6	49.5	54.8	51.0	54.2	50.1	55.4	51.6	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R656_1	51.5	48.0	52.8	49.3	52.1	48.5	53.4	49.8	60.0	55.0	NO	NO	1.3	1.3	1.3	1.3	NO	NO	NO
R657_1	51.8	48.2	53.1	49.5	52.4	48.7	53.7	50.1	60.0	55.0	NO	NO	1.3	1.3	1.3	1.4	NO	NO	NO
R658_1	54.8	50.8	56.0	52.3	55.4	51.4	56.7	52.9	60.0	55.0	NO	NO	1.2	1.5	1.3	1.5	NO	NO	NO
R659_1	59.4	55.3	60.9	57.1	60.0	55.9	61.5	57.7	60.0	55.0	YES	YES	1.5	1.8	1.5	1.8	NO	NO	NO
R660_1	53.3	49.3	54.5	50.7	53.9	49.9	55.1	51.3	60.0	55.0	NO	NO	1.2	1.4	1.2	1.4	NO	NO	NO
R661_1	70.2	66.2	71.5	67.7	70.8	66.8	72.1	68.3	60.0	55.0	YES	YES	1.3	1.5	1.3	1.5	YES	YES	YES
R662_1	53.7	49.6	54.9	51.1	54.3	50.2	55.5	51.7	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R663_1	53.5	49.5	54.8	51.0	54.1	50.1	55.4	51.6	60.0	55.0	NO	NO	1.3	1.5	1.3	1.5	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R664_1	53.2	49.1	54.4	50.6	53.8	49.7	55.0	51.2	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R665_1	57.0	52.9	58.4	54.6	57.6	53.5	59.0	55.2	60.0	55.0	NO	NO	1.4	1.7	1.4	1.7	NO	NO	NO
R666_1	56.4	52.3	57.7	53.9	57.0	52.9	58.3	54.5	60.0	55.0	NO	NO	1.3	1.6	1.3	1.6	NO	NO	NO
R667_1	53.2	49.2	54.4	50.6	53.8	49.8	55.0	51.2	60.0	55.0	NO	NO	1.2	1.4	1.2	1.4	NO	NO	NO
R668_1	SCHOOL																		
R669_1	53.3	49.2	54.4	50.7	53.8	49.8	55.0	51.2	60.0	55.0	NO	NO	1.1	1.5	1.2	1.4	NO	NO	NO
R670_1	52.9	48.8	54.0	50.2	53.5	49.4	54.6	50.8	60.0	55.0	NO	NO	1.1	1.4	1.1	1.4	NO	NO	NO
R671_1	53.1	49.0	54.2	50.4	53.6	49.6	54.8	51.0	60.0	55.0	NO	NO	1.1	1.4	1.2	1.4	NO	NO	NO
R672_1	56.3	52.3	57.4	53.6	56.9	52.9	58.0	54.2	60.0	55.0	NO	NO	1.1	1.3	1.1	1.3	NO	NO	NO
R673_1	53.5	49.4	54.7	50.9	54.0	50.0	55.3	51.5	60.0	55.0	NO	NO	1.2	1.5	1.3	1.5	NO	NO	NO
R674_1	53.4	49.4	54.6	50.9	54.0	50.0	55.2	51.5	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R675_1	57.5	53.5	58.5	54.7	58.1	54.1	59.1	55.3	60.0	55.0	NO	NO	1.0	1.2	1.0	1.2	NO	NO	NO
R676_1	53.3	49.2	54.5	50.7	53.8	49.8	55.0	51.3	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R677_1	53.4	49.3	54.5	50.7	53.9	49.9	55.1	51.3	60.0	55.0	NO	NO	1.1	1.4	1.2	1.4	NO	NO	NO
R678_1	53.3	49.2	54.4	50.6	53.9	49.8	55.0	51.2	60.0	55.0	NO	NO	1.1	1.4	1.1	1.4	NO	NO	NO
R679_1	52.9	48.8	54.0	50.3	53.4	49.4	54.6	50.9	60.0	55.0	NO	NO	1.1	1.5	1.2	1.5	NO	NO	NO
R680_1	CHILDCARE																		
R681_1	52.8	48.7	54.0	50.2	53.4	49.3	54.6	50.8	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R682_1	53.4	49.3	54.5	50.9	53.9	49.9	55.1	51.3	60.0	55.0	NO	NO	1.1	1.6	1.2	1.4	NO	NO	NO
R683_1	52.8	48.7	54.0	50.2	53.4	49.3	54.6	50.8	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R684_1	69.8	65.7	70.1	66.3	70.3	66.3	70.7	66.9	60.0	55.0	YES	YES	0.3	0.6	0.4	0.6	YES	YES	YES
R685_1	59.0	54.9	59.8	56.0	59.6	55.5	60.4	56.6	60.0	55.0	NO	YES	0.8	1.1	0.8	1.1	NO	NO	NO
R686_1	53.2	49.1	54.3	50.5	53.8	49.7	54.9	51.1	60.0	55.0	NO	NO	1.1	1.4	1.1	1.4	NO	NO	NO
R687_1	53.0	48.9	54.0	50.4	53.6	49.5	54.7	51.0	60.0	55.0	NO	NO	1.0	1.5	1.1	1.5	NO	NO	NO
R688_1	52.9	48.8	54.0	50.2	53.5	49.4	54.6	50.8	60.0	55.0	NO	NO	1.1	1.4	1.1	1.4	NO	NO	NO
R689_1	59.2	55.1	59.9	56.1	59.8	55.7	60.5	56.7	60.0	55.0	YES	YES	0.7	1.0	0.7	1.0	NO	NO	NO
R690_1	52.6	48.5	53.7	50.0	53.2	49.1	54.3	50.6	60.0	55.0	NO	NO	1.1	1.5	1.1	1.5	NO	NO	NO
R691_1	70.8	66.7	71.2	67.4	71.4	67.3	71.8	68.0	60.0	55.0	YES	YES	0.4	0.7	0.4	0.7	YES	YES	YES
R692_1	51.8	47.7	53.0	49.2	52.4	48.3	53.6	49.8	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R693_1	57.2	53.2	57.9	54.2	57.8	53.8	58.5	54.8	60.0	55.0	NO	NO	0.7	1.0	0.7	1.0	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R694_1	52.0	47.9	53.1	49.4	52.6	48.5	53.7	50.0	60.0	55.0	NO	NO	1.1	1.5	1.1	1.5	NO	NO	NO
R695_1	52.2	48.2	53.4	49.8	52.8	48.8	54.0	50.3	60.0	55.0	NO	NO	1.2	1.6	1.2	1.5	NO	NO	NO
R696_1	52.9	48.8	54.2	50.5	53.5	49.4	54.8	51.1	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R697_1	53.0	48.9	54.0	50.3	53.6	49.5	54.6	50.9	60.0	55.0	NO	NO	1.0	1.4	1.0	1.4	NO	NO	NO
R698_1	SCHOOL																		
R699_1	53.1	49.0	54.2	50.4	53.7	49.6	54.8	51.0	60.0	55.0	NO	NO	1.1	1.4	1.1	1.4	NO	NO	NO
R700_1	53.4	49.3	54.7	51.0	54.0	49.9	55.3	51.6	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R701_1	53.1	49.0	54.3	50.7	53.7	49.6	54.9	51.2	60.0	55.0	NO	NO	1.2	1.7	1.2	1.6	NO	NO	NO
R702_1	56.1	52.1	57.1	53.3	56.7	52.7	57.7	53.9	60.0	55.0	NO	NO	1.0	1.2	1.0	1.2	NO	NO	NO
R703_1	67.2	63.1	67.7	63.9	67.8	63.7	68.3	64.5	60.0	55.0	YES	YES	0.5	0.8	0.5	0.8	YES	YES	YES
R704_1	51.4	47.3	52.5	48.8	52.1	47.9	53.1	49.4	60.0	55.0	NO	NO	1.1	1.5	1.0	1.5	NO	NO	NO
R705_1	67.4	63.3	70.6	66.9	68.0	63.9	71.2	67.5	60.0	55.0	YES	YES	3.2	3.6	3.2	3.6	YES	YES	YES
R706_1	51.5	47.4	52.5	48.7	52.1	48.0	53.1	49.3	60.0	55.0	NO	NO	1.0	1.3	1.0	1.3	NO	NO	NO
R707_1	57.1	53.0	58.5	54.8	57.7	53.6	59.1	55.4	60.0	55.0	NO	NO	1.4	1.8	1.4	1.8	NO	NO	NO
R708_1	51.8	47.7	52.8	49.1	52.3	48.3	53.4	49.7	60.0	55.0	NO	NO	1.0	1.4	1.1	1.4	NO	NO	NO
R709_1	52.0	47.9	53.1	49.4	52.6	48.5	53.7	49.9	60.0	55.0	NO	NO	1.1	1.5	1.1	1.4	NO	NO	NO
R710_1	52.2	48.2	53.2	49.6	52.8	48.7	53.9	50.1	60.0	55.0	NO	NO	1.0	1.4	1.1	1.4	NO	NO	NO
R711_1	71.0	66.9	71.2	67.4	71.6	67.5	71.8	68.0	60.0	55.0	YES	YES	0.2	0.5	0.2	0.5	YES	YES	YES
R712_1	52.4	48.3	53.4	49.7	52.9	48.9	54.0	50.3	60.0	55.0	NO	NO	1.0	1.4	1.1	1.4	NO	NO	NO
R713_1	52.3	48.3	53.4	49.7	52.9	48.8	54.0	50.3	60.0	55.0	NO	NO	1.1	1.4	1.1	1.5	NO	NO	NO
R714_1	59.6	55.5	60.3	56.7	60.2	56.1	60.9	57.3	60.0	55.0	YES	YES	0.7	1.2	0.7	1.2	NO	NO	NO
R715_1	52.8	48.7	54.0	50.3	53.4	49.3	54.6	50.9	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R716_1	52.3	48.1	53.4	49.7	52.8	48.7	54.0	50.3	60.0	55.0	NO	NO	1.1	1.6	1.2	1.6	NO	NO	NO
R717_1	67.9	63.8	70.8	67.1	68.4	64.3	71.4	67.7	60.0	55.0	YES	YES	2.9	3.3	3.0	3.4	YES	YES	YES
R718_1	53.0	48.9	54.2	50.4	53.6	49.5	54.8	51.0	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R719_1	52.9	48.8	54.0	50.3	53.5	49.4	54.6	50.8	60.0	55.0	NO	NO	1.1	1.5	1.1	1.4	NO	NO	NO
R720_1	71.1	67.0	71.1	67.3	71.6	67.6	71.7	67.9	60.0	55.0	YES	YES	0.0	0.3	0.1	0.3	YES	YES	YES
R721_1	53.0	48.9	54.2	50.4	53.6	49.5	54.8	51.0	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R722_1	51.3	47.2	52.5	48.7	51.9	47.8	53.1	49.4	60.0	55.0	NO	NO	1.2	1.5	1.2	1.6	NO	NO	NO
R723_1	55.3	51.2	56.6	52.8	55.9	51.8	57.2	53.4	60.0	55.0	NO	NO	1.3	1.6	1.3	1.6	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R724_1	56.7	52.6	59.1	55.3	57.3	53.2	59.7	55.9	60.0	55.0	NO	YES	2.4	2.7	2.4	2.7	NO	NO	YES
R725_1	56.3	52.2	59.3	55.5	56.9	52.8	59.9	56.1	60.0	55.0	NO	YES	3.0	3.3	3.0	3.3	NO	NO	YES
R726_1	56.5	52.4	57.9	54.2	57.1	53.0	58.5	54.8	60.0	55.0	NO	NO	1.4	1.8	1.4	1.8	NO	NO	NO
R727_1	55.1	51.0	56.9	53.2	55.7	51.6	57.6	53.8	60.0	55.0	NO	NO	1.8	2.2	1.9	2.2	NO	NO	NO
R728_1	67.7	63.6	71.2	67.4	68.2	64.2	71.8	68.1	60.0	55.0	YES	YES	3.5	3.8	3.6	3.9	YES	YES	YES
R728_2	69.7	65.6	72.8	69.1	70.2	66.2	73.4	69.7	60.0	55.0	YES	YES	3.1	3.5	3.2	3.5	YES	YES	YES
R729_1	49.9	45.9	51.3	47.6	50.5	46.5	51.9	48.2	60.0	55.0	NO	NO	1.4	1.7	1.4	1.7	NO	NO	NO
R730_1	58.7	54.6	59.9	56.3	59.3	55.2	60.5	56.9	60.0	55.0	YES	YES	1.2	1.7	1.2	1.7	NO	NO	NO
R731_1	66.3	62.1	70.4	66.8	66.8	62.7	71.0	67.3	60.0	55.0	YES	YES	4.1	4.7	4.2	4.6	YES	YES	YES
R732_1	55.6	51.5	58.2	54.5	56.2	52.1	58.8	55.1	60.0	55.0	NO	NO	2.6	3.0	2.6	3.0	NO	NO	NO
R733_1	52.2	48.1	53.9	50.2	52.7	48.7	54.5	50.8	60.0	55.0	NO	NO	1.7	2.1	1.8	2.1	NO	NO	NO
R734_1	70.7	66.6	70.7	67.1	71.3	67.2	71.3	67.7	60.0	55.0	YES	YES	0.0	0.5	0.0	0.5	YES	YES	YES
R735_1	51.2	47.2	52.9	49.3	51.8	47.8	53.5	49.9	60.0	55.0	NO	NO	1.7	2.1	1.7	2.1	NO	NO	NO
R736_1	52.1	48.0	53.2	49.6	52.7	48.6	53.8	50.1	60.0	55.0	NO	NO	1.1	1.6	1.1	1.5	NO	NO	NO
R737_1	49.1	45.1	50.4	46.7	49.7	45.6	51.0	47.3	60.0	55.0	NO	NO	1.3	1.6	1.3	1.7	NO	NO	NO
R738_1	48.8	44.7	50.1	46.4	49.4	45.3	50.7	46.9	60.0	55.0	NO	NO	1.3	1.7	1.3	1.6	NO	NO	NO
R739_1	49.3	45.2	50.6	46.9	49.9	45.8	51.2	47.5	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R740_1	50.0	45.9	51.3	47.6	50.6	46.5	51.9	48.2	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R741_1	50.3	46.3	51.6	47.9	50.9	46.9	52.2	48.5	60.0	55.0	NO	NO	1.3	1.6	1.3	1.6	NO	NO	NO
R742_1	51.0	46.9	52.2	48.4	51.6	47.5	52.8	49.0	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R743_1	51.2	47.1	52.4	48.8	51.8	47.7	53.0	49.4	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R744_1	67.1	63.0	70.8	67.2	67.6	63.5	71.4	67.8	60.0	55.0	YES	YES	3.7	4.2	3.8	4.3	YES	YES	YES
R745_1	51.4	47.4	53.1	49.4	52.0	48.0	53.7	50.0	60.0	55.0	NO	NO	1.7	2.0	1.7	2.0	NO	NO	NO
R746_1	51.7	47.6	52.9	49.2	52.3	48.2	53.5	49.8	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R747_1	55.3	51.2	57.7	54.1	55.9	51.8	58.3	54.7	60.0	55.0	NO	NO	2.4	2.9	2.4	2.9	NO	NO	NO
R748_1	56.9	52.8	58.0	54.4	57.5	53.4	58.6	55.0	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R749_1	66.8	62.7	70.6	67.1	67.4	63.3	71.2	67.7	60.0	55.0	YES	YES	3.8	4.4	3.8	4.4	YES	YES	YES
R750_1	71.1	67.0	71.2	67.5	71.7	67.6	71.8	68.1	60.0	55.0	YES	YES	0.1	0.5	0.1	0.5	YES	YES	YES
R750_2	72.2	68.1	72.2	68.6	72.8	68.7	72.8	69.2	60.0	55.0	YES	YES	0.0	0.5	0.0	0.5	YES	YES	YES
R751_1	51.4	47.3	53.0	49.3	51.9	47.9	53.6	49.9	60.0	55.0	NO	NO	1.6	2.0	1.7	2.0	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R752_1	51.6	47.5	52.8	49.1	52.2	48.1	53.4	49.7	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R753_1	51.1	47.0	52.2	48.5	51.7	47.6	52.8	49.1	60.0	55.0	NO	NO	1.1	1.5	1.1	1.5	NO	NO	NO
R754_1	49.1	45.0	50.3	46.6	49.7	45.6	50.9	47.2	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R755_1	49.4	45.3	50.7	47.0	50.0	45.9	51.3	47.5	60.0	55.0	NO	NO	1.3	1.7	1.3	1.6	NO	NO	NO
R756_1	54.8	50.8	56.0	52.3	55.4	51.4	56.6	52.9	60.0	55.0	NO	NO	1.2	1.5	1.2	1.5	NO	NO	NO
R757_1	50.1	46.0	51.3	47.6	50.6	46.6	51.9	48.2	60.0	55.0	NO	NO	1.2	1.6	1.3	1.6	NO	NO	NO
R758_1	68.7	64.6	69.2	65.7	69.3	65.2	69.8	66.2	60.0	55.0	YES	YES	0.5	1.1	0.5	1.0	YES	YES	YES
R759_1	50.5	46.4	51.5	47.8	51.0	47.0	52.1	48.4	60.0	55.0	NO	NO	1.0	1.4	1.1	1.4	NO	NO	NO
R760_1	50.8	46.8	52.4	48.8	51.4	47.4	53.0	49.4	60.0	55.0	NO	NO	1.6	2.0	1.6	2.0	NO	NO	NO
R761_1	69.3	65.2	72.9	69.3	69.9	65.7	73.5	69.9	60.0	55.0	YES	YES	3.6	4.1	3.6	4.2	YES	YES	YES
R761_2	70.3	66.2	73.7	70.1	70.9	66.8	74.3	70.7	60.0	55.0	YES	YES	3.4	3.9	3.4	3.9	YES	YES	YES
R762_1	53.0	49.0	55.1	51.5	53.6	49.6	55.7	52.1	60.0	55.0	NO	NO	2.1	2.5	2.1	2.5	NO	NO	NO
R763_1	51.3	47.3	53.0	49.3	51.9	47.9	53.6	49.9	60.0	55.0	NO	NO	1.7	2.0	1.7	2.0	NO	NO	NO
R764_1	51.1	47.0	52.3	48.6	51.7	47.6	52.9	49.2	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R765_1	51.1	47.1	52.7	49.1	51.7	47.7	53.3	49.6	60.0	55.0	NO	NO	1.6	2.0	1.6	1.9	NO	NO	NO
R766_1	49.1	45.0	50.4	46.7	49.6	45.6	51.0	47.3	60.0	55.0	NO	NO	1.3	1.7	1.4	1.7	NO	NO	NO
R767_1	52.4	48.3	53.5	49.9	53.0	48.9	54.1	50.5	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R768_1	50.8	46.8	52.4	48.7	51.4	47.4	53.0	49.3	60.0	55.0	NO	NO	1.6	1.9	1.6	1.9	NO	NO	NO
R769_1	56.4	52.3	57.8	54.2	57.0	52.9	58.4	54.8	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R770_1	61.7	57.6	64.6	61.1	62.3	58.1	65.2	61.7	60.0	55.0	YES	YES	2.9	3.5	2.9	3.6	YES	YES	YES
R770_2	63.7	59.6	66.1	62.6	64.3	60.2	66.7	63.1	60.0	55.0	YES	YES	2.4	3.0	2.4	2.9	YES	YES	YES
R771_1	52.0	47.9	53.2	49.6	52.6	48.5	53.8	50.2	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R772_1	56.5	52.4	59.1	55.5	57.1	53.0	59.7	56.1	60.0	55.0	NO	YES	2.6	3.1	2.6	3.1	NO	NO	YES
R773_1	49.0	44.9	50.3	46.7	49.6	45.5	50.9	47.3	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R774_1	68.6	64.5	69.1	65.5	69.1	65.1	69.7	66.1	60.0	55.0	YES	YES	0.5	1.0	0.6	1.0	YES	YES	YES
R775_1	56.1	52.0	58.5	55.0	56.7	52.6	59.1	55.6	60.0	55.0	NO	YES	2.4	3.0	2.4	3.0	NO	NO	YES
R776_1	51.0	47.0	52.8	49.2	51.6	47.6	53.4	49.8	60.0	55.0	NO	NO	1.8	2.2	1.8	2.2	NO	NO	NO
R777_1	49.3	45.3	50.6	46.9	49.9	45.8	51.2	47.5	60.0	55.0	NO	NO	1.3	1.6	1.3	1.7	NO	NO	NO
R778_1	70.0	65.9	70.2	66.6	70.5	66.5	70.8	67.2	60.0	55.0	YES	YES	0.2	0.7	0.3	0.7	YES	YES	YES
R779_1	54.7	50.6	56.8	53.3	55.3	51.2	57.4	53.9	60.0	55.0	NO	NO	2.1	2.7	2.1	2.7	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R780_1	49.8	45.8	51.1	47.5	50.4	46.4	51.7	48.0	60.0	55.0	NO	NO	1.3	1.7	1.3	1.6	NO	NO	NO
R781_1	50.1	46.1	51.4	47.8	50.7	46.6	52.0	48.4	60.0	55.0	NO	NO	1.3	1.7	1.3	1.8	NO	NO	NO
R782_1	54.1	50.0	56.0	52.5	54.7	50.6	56.6	53.1	60.0	55.0	NO	NO	1.9	2.5	1.9	2.5	NO	NO	NO
R783_1	66.1	62.0	70.1	66.6	66.7	62.6	70.7	67.2	60.0	55.0	YES	YES	4.0	4.6	4.0	4.6	YES	YES	YES
R784_1	59.0	54.9	62.0	58.5	59.6	55.5	62.7	59.1	60.0	55.0	YES	YES	3.0	3.6	3.1	3.6	NO	NO	YES
R784_2	62.0	57.9	64.2	60.7	62.6	58.5	64.8	61.3	60.0	55.0	YES	YES	2.2	2.8	2.2	2.8	YES	YES	YES
R785_1	53.9	49.9	55.8	52.3	54.5	50.5	56.4	52.8	60.0	55.0	NO	NO	1.9	2.4	1.9	2.3	NO	NO	NO
R786_1	56.9	52.8	59.6	56.1	57.5	53.4	60.2	56.6	60.0	55.0	NO	YES	2.7	3.3	2.7	3.2	NO	NO	YES
R787_1	65.9	61.8	70.5	67.0	66.5	62.4	71.1	67.6	60.0	55.0	YES	YES	4.6	5.2	4.6	5.2	YES	YES	YES
R788_1	50.6	46.6	52.0	48.3	51.2	47.2	52.6	48.9	60.0	55.0	NO	NO	1.4	1.7	1.4	1.7	NO	NO	NO
R789_1	53.1	49.0	54.7	51.2	53.7	49.6	55.3	51.8	60.0	55.0	NO	NO	1.6	2.2	1.6	2.2	NO	NO	NO
R790_1	48.7	44.6	50.0	46.3	49.3	45.2	50.6	46.9	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R791_1	68.0	63.9	68.5	65.0	68.6	64.5	69.1	65.6	60.0	55.0	YES	YES	0.5	1.1	0.5	1.1	YES	YES	YES
R792_1	51.7	47.7	53.3	49.8	52.3	48.2	53.9	50.4	60.0	55.0	NO	NO	1.6	2.1	1.6	2.2	NO	NO	NO
R793_1	62.9	58.8	64.1	60.6	63.5	59.4	64.7	61.2	60.0	55.0	YES	YES	1.2	1.8	1.2	1.8	YES	YES	YES
R794_1	65.9	61.8	70.1	66.6	66.5	62.4	70.7	67.2	60.0	55.0	YES	YES	4.2	4.8	4.2	4.8	YES	YES	YES
R795_1	54.4	50.3	55.9	52.3	55.0	50.9	56.5	52.9	60.0	55.0	NO	NO	1.5	2.0	1.5	2.0	NO	NO	NO
R796_1	51.0	46.9	52.6	49.0	51.6	47.5	53.2	49.6	60.0	55.0	NO	NO	1.6	2.1	1.6	2.1	NO	NO	NO
R797_1	50.6	46.5	51.9	48.2	51.2	47.1	52.5	48.8	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R798_1	54.2	50.1	56.1	52.6	54.8	50.7	56.7	53.2	60.0	55.0	NO	NO	1.9	2.5	1.9	2.5	NO	NO	NO
R799_1	54.8	50.7	57.3	53.8	55.4	51.3	57.9	54.4	60.0	55.0	NO	NO	2.5	3.1	2.5	3.1	NO	NO	NO
R800_1	54.7	50.6	56.2	52.6	55.2	51.2	56.8	53.2	60.0	55.0	NO	NO	1.5	2.0	1.6	2.0	NO	NO	NO
R801_1	66.5	62.4	67.8	64.3	67.1	63.0	68.4	64.8	60.0	55.0	YES	YES	1.3	1.9	1.3	1.8	YES	YES	YES
R802_1	55.5	51.5	57.8	54.3	56.1	52.0	58.4	54.9	60.0	55.0	NO	NO	2.3	2.8	2.3	2.9	NO	NO	NO
R803_1	67.2	63.1	70.6	67.1	67.8	63.7	71.2	67.7	60.0	55.0	YES	YES	3.4	4.0	3.4	4.0	YES	YES	YES
R804_1	52.1	48.0	54.0	50.4	52.7	48.6	54.6	51.0	60.0	55.0	NO	NO	1.9	2.4	1.9	2.4	NO	NO	NO
R805_1	53.1	49.0	55.0	51.4	53.7	49.6	55.6	52.0	60.0	55.0	NO	NO	1.9	2.4	1.9	2.4	NO	NO	NO
R806_1	54.7	50.6	56.1	52.5	55.3	51.2	56.7	53.1	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R807_1	51.5	47.4	53.3	49.7	52.1	48.0	53.9	50.3	60.0	55.0	NO	NO	1.8	2.3	1.8	2.3	NO	NO	NO
R808_1	49.3	45.2	50.6	46.9	49.9	45.8	51.2	47.4	60.0	55.0	NO	NO	1.3	1.7	1.3	1.6	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R809_1	50.1	46.0	51.3	47.7	50.7	46.6	51.9	48.2	60.0	55.0	NO	NO	1.2	1.7	1.2	1.6	NO	NO	NO
R810_1	67.3	63.2	68.1	64.5	67.9	63.8	68.7	65.1	60.0	55.0	YES	YES	0.8	1.3	0.8	1.3	YES	YES	YES
R811_1	50.5	46.4	52.0	48.5	51.1	47.0	52.6	49.0	60.0	55.0	NO	NO	1.5	2.1	1.5	2.0	NO	NO	NO
R812_1	55.7	51.6	58.0	54.4	56.3	52.2	58.6	55.0	60.0	55.0	NO	NO	2.3	2.8	2.3	2.8	NO	NO	NO
R813_1	54.2	50.1	55.5	52.0	54.8	50.7	56.1	52.5	60.0	55.0	NO	NO	1.3	1.9	1.3	1.8	NO	NO	NO
R814_1	50.9	46.9	52.7	49.1	51.5	47.5	53.3	49.7	60.0	55.0	NO	NO	1.8	2.2	1.8	2.2	NO	NO	NO
R815_1	66.4	62.3	70.1	66.7	67.0	62.9	70.8	67.2	60.0	55.0	YES	YES	3.7	4.4	3.8	4.3	YES	YES	YES
R816_1	50.6	46.5	51.8	48.1	51.2	47.1	52.4	48.7	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R817_1	53.3	49.2	55.1	51.6	53.9	49.8	55.7	52.1	60.0	55.0	NO	NO	1.8	2.4	1.8	2.3	NO	NO	NO
R818_1	49.8	45.7	51.3	47.8	50.4	46.3	51.9	48.3	60.0	55.0	NO	NO	1.5	2.1	1.5	2.0	NO	NO	NO
R819_1	50.2	46.2	51.9	48.4	50.8	46.8	52.5	48.9	60.0	55.0	NO	NO	1.7	2.2	1.7	2.1	NO	NO	NO
R820_1	69.1	65.0	69.8	66.2	69.7	65.6	70.4	66.8	60.0	55.0	YES	YES	0.7	1.2	0.7	1.2	YES	YES	YES
R821_1	49.3	45.2	50.4	46.7	49.8	45.8	51.0	47.3	60.0	55.0	NO	NO	1.1	1.5	1.2	1.5	NO	NO	NO
R822_1	53.6	49.5	54.9	51.3	54.2	50.1	55.5	51.9	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R823_1	55.9	51.8	57.9	54.3	56.5	52.4	58.5	54.9	60.0	55.0	NO	NO	2.0	2.5	2.0	2.5	NO	NO	NO
R824_1	66.2	62.1	69.9	66.5	66.8	62.6	70.5	67.0	60.0	55.0	YES	YES	3.7	4.4	3.7	4.4	YES	YES	YES
R825_1	49.4	45.4	50.9	47.4	50.0	45.9	51.5	47.9	60.0	55.0	NO	NO	1.5	2.0	1.5	2.0	NO	NO	NO
R826_1	50.1	46.1	51.8	48.2	50.7	46.7	52.4	48.7	60.0	55.0	NO	NO	1.7	2.1	1.7	2.0	NO	NO	NO
R827_1	53.2	49.1	54.8	51.2	53.8	49.7	55.4	51.8	60.0	55.0	NO	NO	1.6	2.1	1.6	2.1	NO	NO	NO
R828_1	49.9	45.9	51.5	47.9	50.5	46.5	52.1	48.5	60.0	55.0	NO	NO	1.6	2.0	1.6	2.0	NO	NO	NO
R829_1	66.8	62.7	70.6	67.1	67.4	63.3	71.2	67.7	60.0	55.0	YES	YES	3.8	4.4	3.8	4.4	YES	YES	YES
R830_1	71.5	67.4	72.0	68.3	72.0	68.0	72.6	68.9	60.0	55.0	YES	YES	0.5	0.9	0.6	0.9	YES	YES	YES
R831_1	51.8	47.7	52.9	49.3	52.4	48.3	53.5	49.9	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R832_1	49.6	45.6	50.6	47.0	50.2	46.2	51.2	47.6	60.0	55.0	NO	NO	1.0	1.4	1.0	1.4	NO	NO	NO
R833_1	49.3	45.3	50.5	46.8	49.9	45.8	51.1	47.4	60.0	55.0	NO	NO	1.2	1.5	1.2	1.6	NO	NO	NO
R834_1	53.7	49.6	55.4	51.8	54.3	50.2	56.0	52.4	60.0	55.0	NO	NO	1.7	2.2	1.7	2.2	NO	NO	NO
R835_1	54.8	50.7	56.5	53.0	55.4	51.3	57.1	53.6	60.0	55.0	NO	NO	1.7	2.3	1.7	2.3	NO	NO	NO
R836_1	49.7	45.7	51.2	47.6	50.3	46.3	51.8	48.2	60.0	55.0	NO	NO	1.5	1.9	1.5	1.9	NO	NO	NO
R837_1	65.9	61.8	66.7	63.2	66.5	62.4	67.4	63.8	60.0	55.0	YES	YES	0.8	1.4	0.9	1.4	YES	YES	YES
R838_1	52.1	48.1	53.5	50.0	52.7	48.7	54.1	50.5	60.0	55.0	NO	NO	1.4	1.9	1.4	1.8	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R839_1	51.0	46.9	52.2	48.5	51.6	47.5	52.8	49.1	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R840_1	53.2	49.1	54.8	51.2	53.8	49.7	55.4	51.8	60.0	55.0	NO	NO	1.6	2.1	1.6	2.1	NO	NO	NO
R841_1	56.0	51.9	57.8	54.3	56.6	52.5	58.4	54.9	60.0	55.0	NO	NO	1.8	2.4	1.8	2.4	NO	NO	NO
R842_1	50.2	46.1	51.4	47.8	50.8	46.7	52.0	48.4	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R843_1	66.3	62.2	70.2	66.7	66.9	62.8	70.8	67.3	60.0	55.0	YES	YES	3.9	4.5	3.9	4.5	YES	YES	YES
R844_1	49.5	45.5	50.3	46.7	50.1	46.1	50.9	47.3	60.0	55.0	NO	NO	0.8	1.2	0.8	1.2	NO	NO	NO
R845_1	64.8	60.8	65.7	62.2	65.4	61.4	66.3	62.8	60.0	55.0	YES	YES	0.9	1.4	0.9	1.4	YES	YES	YES
R846_1	49.6	45.6	50.9	47.4	50.2	46.2	51.5	47.9	60.0	55.0	NO	NO	1.3	1.8	1.3	1.7	NO	NO	NO
R847_1	62.9	58.8	64.0	60.5	63.5	59.4	64.7	61.1	60.0	55.0	YES	YES	1.1	1.7	1.2	1.7	YES	YES	YES
R848_1	49.3	45.2	50.5	46.8	49.8	45.8	51.1	47.4	60.0	55.0	NO	NO	1.2	1.6	1.3	1.6	NO	NO	NO
R849_1	46.2	42.3	46.2	42.7	46.8	42.9	46.8	43.3	60.0	55.0	NO	NO	0.0	0.4	0.0	0.4	NO	NO	NO
R850_1	67.1	63.0	70.8	67.3	67.7	63.6	71.4	67.9	60.0	55.0	YES	YES	3.7	4.3	3.7	4.3	YES	YES	YES
R851_1	56.0	51.9	57.9	54.3	56.6	52.5	58.5	54.9	60.0	55.0	NO	NO	1.9	2.4	1.9	2.4	NO	NO	NO
R852_1	53.7	49.7	55.3	51.8	54.3	50.3	55.9	52.3	60.0	55.0	NO	NO	1.6	2.1	1.6	2.0	NO	NO	NO
R853_1	51.9	47.8	53.2	49.6	52.5	48.4	53.8	50.1	60.0	55.0	NO	NO	1.3	1.8	1.3	1.7	NO	NO	NO
R854_1	61.7	57.6	63.0	59.5	62.3	58.2	63.6	60.0	60.0	55.0	YES	YES	1.3	1.9	1.3	1.8	NO	YES	YES
R855_1	52.4	48.3	53.7	50.1	53.0	48.9	54.3	50.7	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R856_1	49.8	45.8	50.5	46.9	50.4	46.4	51.1	47.5	60.0	55.0	NO	NO	0.7	1.1	0.7	1.1	NO	NO	NO
R857_1	51.8	47.7	53.1	49.5	52.4	48.3	53.7	50.1	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R858_1	53.5	49.4	54.9	51.4	54.1	50.0	55.5	51.9	60.0	55.0	NO	NO	1.4	2.0	1.4	1.9	NO	NO	NO
R859_1	66.6	62.5	70.5	67.0	67.2	63.1	71.1	67.6	60.0	55.0	YES	YES	3.9	4.5	3.9	4.5	YES	YES	YES
R860_1	50.7	46.7	51.7	48.2	51.3	47.3	52.3	48.7	60.0	55.0	NO	NO	1.0	1.5	1.0	1.4	NO	NO	NO
R861_1	60.6	56.6	61.9	58.4	61.2	57.2	62.5	58.9	60.0	55.0	YES	YES	1.3	1.8	1.3	1.7	NO	NO	NO
R862_1	57.1	53.0	59.4	55.9	57.7	53.6	60.0	56.4	60.0	55.0	NO	YES	2.3	2.9	2.3	2.8	NO	NO	YES
R863_1	51.8	47.7	53.1	49.6	52.4	48.3	53.7	50.1	60.0	55.0	NO	NO	1.3	1.9	1.3	1.8	NO	NO	NO
R864_1	56.9	52.8	58.6	55.0	57.5	53.4	59.2	55.6	60.0	55.0	NO	YES	1.7	2.2	1.7	2.2	NO	NO	YES
R865_1	51.9	47.9	53.2	49.6	52.5	48.5	53.8	50.2	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R866_1	50.6	46.6	51.3	47.7	51.2	47.2	51.9	48.3	60.0	55.0	NO	NO	0.7	1.1	0.7	1.1	NO	NO	NO
R867_1	54.3	50.2	55.8	52.2	54.9	50.8	56.4	52.8	60.0	55.0	NO	NO	1.5	2.0	1.5	2.0	NO	NO	NO
R868_1	57.9	53.8	59.6	56.1	58.5	54.4	60.2	56.7	60.0	55.0	NO	YES	1.7	2.3	1.7	2.3	NO	NO	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R869_1	57.1	53.0	59.1	55.6	57.6	53.6	59.7	56.2	60.0	55.0	NO	YES	2.0	2.6	2.1	2.6	NO	NO	YES
R870_1	54.0	49.9	55.9	52.4	54.6	50.5	56.6	53.0	60.0	55.0	NO	NO	1.9	2.5	2.0	2.5	NO	NO	NO
R871_1	51.4	47.4	52.4	48.8	52.0	48.0	53.0	49.4	60.0	55.0	NO	NO	1.0	1.4	1.0	1.4	NO	NO	NO
R872_1	54.2	50.1	56.2	52.6	54.8	50.7	56.8	53.2	60.0	55.0	NO	NO	2.0	2.5	2.0	2.5	NO	NO	NO
R873_1	52.0	47.9	53.3	49.7	52.6	48.5	53.9	50.3	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R874_1	52.0	48.0	53.4	49.8	52.6	48.6	54.0	50.4	60.0	55.0	NO	NO	1.4	1.8	1.4	1.8	NO	NO	NO
R875_1	65.6	61.4	69.3	65.9	66.1	62.0	69.9	66.4	60.0	55.0	YES	YES	3.7	4.5	3.8	4.4	YES	YES	YES
R876_1	54.1	50.0	55.6	52.0	54.7	50.6	56.2	52.6	60.0	55.0	NO	NO	1.5	2.0	1.5	2.0	NO	NO	NO
R877_1	52.0	47.9	53.3	49.8	52.6	48.5	53.9	50.3	60.0	55.0	NO	NO	1.3	1.9	1.3	1.8	NO	NO	NO
R878_1	51.9	47.9	53.1	49.6	52.5	48.4	53.7	50.1	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R879_1	53.6	49.5	55.1	51.6	54.2	50.1	55.7	52.1	60.0	55.0	NO	NO	1.5	2.1	1.5	2.0	NO	NO	NO
R880_1	56.4	52.3	58.3	54.8	57.0	52.9	58.9	55.4	60.0	55.0	NO	NO	1.9	2.5	1.9	2.5	NO	NO	NO
R881_1	51.8	47.7	53.0	49.4	52.4	48.3	53.6	50.0	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R882_1	66.9	62.8	70.5	67.0	67.5	63.4	71.1	67.6	60.0	55.0	YES	YES	3.6	4.2	3.6	4.2	YES	YES	YES
R883_1	50.7	46.7	51.4	47.8	51.3	47.3	52.0	48.4	60.0	55.0	NO	NO	0.7	1.1	0.7	1.1	NO	NO	NO
R884_1	52.7	48.6	54.3	50.7	53.2	49.2	54.9	51.3	60.0	55.0	NO	NO	1.6	2.1	1.7	2.1	NO	NO	NO
R885_1	51.4	47.3	52.6	49.1	52.0	47.9	53.2	49.6	60.0	55.0	NO	NO	1.2	1.8	1.2	1.7	NO	NO	NO
R886_1	52.1	48.0	53.4	49.8	52.6	48.6	54.0	50.4	60.0	55.0	NO	NO	1.3	1.8	1.4	1.8	NO	NO	NO
R887_1	54.0	49.9	55.5	51.9	54.6	50.5	56.1	52.5	60.0	55.0	NO	NO	1.5	2.0	1.5	2.0	NO	NO	NO
R888_1	56.7	52.6	58.7	55.2	57.3	53.2	59.3	55.7	60.0	55.0	NO	YES	2.0	2.6	2.0	2.5	NO	NO	YES
R889_1	51.6	47.5	53.0	49.4	52.2	48.1	53.6	50.0	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R890_1	50.7	46.7	51.3	47.8	51.3	47.3	51.9	48.3	60.0	55.0	NO	NO	0.6	1.1	0.6	1.0	NO	NO	NO
R891_1	51.0	47.0	52.3	48.7	51.6	47.6	52.9	49.3	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R892_1	50.5	46.4	51.6	48.0	51.1	47.0	52.2	48.5	60.0	55.0	NO	NO	1.1	1.6	1.1	1.5	NO	NO	NO
R893_1	67.7	63.6	70.6	67.2	68.3	64.2	71.2	67.7	60.0	55.0	YES	YES	2.9	3.6	2.9	3.5	YES	YES	YES
R894_1	51.0	47.0	51.6	48.0	51.6	47.6	52.2	48.6	60.0	55.0	NO	NO	0.6	1.0	0.6	1.0	NO	NO	NO
R895_1	56.7	52.6	58.8	55.3	57.3	53.2	59.4	55.9	60.0	55.0	NO	YES	2.1	2.7	2.1	2.7	NO	NO	YES
R896_1	50.9	46.9	52.0	48.4	51.5	47.5	52.6	49.0	60.0	55.0	NO	NO	1.1	1.5	1.1	1.5	NO	NO	NO
R897_1	49.8	45.7	50.8	47.2	50.4	46.3	51.4	47.8	60.0	55.0	NO	NO	1.0	1.5	1.0	1.5	NO	NO	NO
R898_1	52.6	48.5	54.1	50.6	53.2	49.1	54.7	51.2	60.0	55.0	NO	NO	1.5	2.1	1.5	2.1	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R899_1	49.0	44.9	50.0	46.4	49.5	45.5	50.6	47.0	60.0	55.0	NO	NO	1.0	1.5	1.1	1.5	NO	NO	NO
R900_1	48.5	44.4	49.5	45.9	49.1	45.0	50.1	46.5	60.0	55.0	NO	NO	1.0	1.5	1.0	1.5	NO	NO	NO
R901_1	49.4	45.3	50.4	46.9	50.0	45.9	51.0	47.4	60.0	55.0	NO	NO	1.0	1.6	1.0	1.5	NO	NO	NO
R902_1	60.6	56.5	62.0	58.5	61.2	57.1	62.6	59.0	60.0	55.0	YES	YES	1.4	2.0	1.4	1.9	NO	NO	NO
R903_1	48.2	44.2	49.2	45.6	48.8	44.8	49.8	46.1	60.0	55.0	NO	NO	1.0	1.4	1.0	1.3	NO	NO	NO
R904_1	48.1	44.0	49.0	45.4	48.7	44.6	49.6	45.9	60.0	55.0	NO	NO	0.9	1.4	0.9	1.3	NO	NO	NO
R905_1	66.1	62.0	69.8	66.3	66.7	62.6	70.4	66.9	60.0	55.0	YES	YES	3.7	4.3	3.7	4.3	YES	YES	YES
R906_1	51.0	46.9	51.6	48.1	51.6	47.5	52.2	48.6	60.0	55.0	NO	NO	0.6	1.2	0.6	1.1	NO	NO	NO
R907_1	52.2	48.1	53.6	50.0	52.8	48.7	54.2	50.6	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R908_1	51.6	47.5	53.0	49.5	52.2	48.1	53.6	50.1	60.0	55.0	NO	NO	1.4	2.0	1.4	2.0	NO	NO	NO
R909_1	50.8	46.8	52.1	48.5	51.4	47.4	52.7	49.1	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R910_1	51.3	47.3	52.7	49.1	51.9	47.8	53.3	49.7	60.0	55.0	NO	NO	1.4	1.8	1.4	1.9	NO	NO	NO
R911_1	51.0	47.0	52.4	48.8	51.6	47.6	53.0	49.4	60.0	55.0	NO	NO	1.4	1.8	1.4	1.8	NO	NO	NO
R912_1	51.0	47.0	51.9	48.3	51.6	47.6	52.5	48.9	60.0	55.0	NO	NO	0.9	1.3	0.9	1.3	NO	NO	NO
R913_1	55.9	51.8	57.7	54.2	56.5	52.4	58.3	54.8	60.0	55.0	NO	NO	1.8	2.4	1.8	2.4	NO	NO	NO
R914_1	49.2	45.2	50.0	46.4	49.8	45.8	50.6	47.0	60.0	55.0	NO	NO	0.8	1.2	0.8	1.2	NO	NO	NO
R915_1	50.7	46.6	52.1	48.5	51.3	47.2	52.7	49.1	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R916_1	51.0	47.0	52.4	48.9	51.6	47.6	53.0	49.4	60.0	55.0	NO	NO	1.4	1.9	1.4	1.8	NO	NO	NO
R917_1	65.5	61.4	66.4	62.9	66.1	62.0	67.1	63.5	60.0	55.0	YES	YES	0.9	1.5	1.0	1.5	YES	YES	YES
R918_1	61.4	57.3	62.5	58.9	62.0	57.9	63.1	59.5	60.0	55.0	YES	YES	1.1	1.6	1.1	1.6	NO	YES	YES
R919_1	67.7	63.6	70.5	67.0	68.3	64.2	71.1	67.5	60.0	55.0	YES	YES	2.8	3.4	2.8	3.3	YES	YES	YES
R920_1	53.4	49.3	54.7	51.2	53.9	49.9	55.3	51.8	60.0	55.0	NO	NO	1.3	1.9	1.4	1.9	NO	NO	NO
R921_1	51.5	47.5	52.9	49.4	52.1	48.1	53.5	49.9	60.0	55.0	NO	NO	1.4	1.9	1.4	1.8	NO	NO	NO
R922_1	50.4	46.4	51.6	48.1	51.0	47.0	52.2	48.7	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R923_1	49.1	45.1	49.7	46.1	49.7	45.7	50.3	46.6	60.0	55.0	NO	NO	0.6	1.0	0.6	0.9	NO	NO	NO
R924_1	51.5	47.4	52.9	49.3	52.0	48.0	53.5	49.9	60.0	55.0	NO	NO	1.4	1.9	1.5	1.9	NO	NO	NO
R925_1	51.3	47.2	52.7	49.1	51.9	47.8	53.3	49.7	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R926_1	56.7	52.6	58.3	54.8	57.3	53.2	58.9	55.4	60.0	55.0	NO	NO	1.6	2.2	1.6	2.2	NO	NO	NO
R927_1	68.3	64.2	71.0	67.5	68.9	64.8	71.6	68.1	60.0	55.0	YES	YES	2.7	3.3	2.7	3.3	YES	YES	YES
R928_1	69.6	65.5	70.2	66.6	70.2	66.1	70.8	67.2	60.0	55.0	YES	YES	0.6	1.1	0.6	1.1	YES	YES	YES

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R929_1	51.4	47.3	52.6	49.1	51.9	47.9	53.2	49.6	60.0	55.0	NO	NO	1.2	1.8	1.3	1.7	NO	NO	NO
R930_1	51.9	47.8	52.6	49.0	52.5	48.4	53.2	49.6	60.0	55.0	NO	NO	0.7	1.2	0.7	1.2	NO	NO	NO
R931_1	52.1	48.0	53.2	49.6	52.7	48.6	53.8	50.2	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R932_1	51.1	47.0	52.3	48.8	51.7	47.6	52.9	49.3	60.0	55.0	NO	NO	1.2	1.8	1.2	1.7	NO	NO	NO
R933_1	51.2	47.1	51.8	48.2	51.8	47.7	52.4	48.8	60.0	55.0	NO	NO	0.6	1.1	0.6	1.1	NO	NO	NO
R934_1	53.1	49.0	54.7	51.1	53.7	49.6	55.3	51.7	60.0	55.0	NO	NO	1.6	2.1	1.6	2.1	NO	NO	NO
R935_1	57.1	53.0	58.4	54.8	57.7	53.6	59.0	55.4	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R936_1	54.9	50.8	56.3	52.8	55.5	51.4	56.9	53.3	60.0	55.0	NO	NO	1.4	2.0	1.4	1.9	NO	NO	NO
R937_1	50.7	46.6	51.9	48.3	51.2	47.2	52.5	48.8	60.0	55.0	NO	NO	1.2	1.7	1.3	1.6	NO	NO	NO
R938_1	51.5	47.4	52.1	48.5	52.1	48.0	52.7	49.0	60.0	55.0	NO	NO	0.6	1.1	0.6	1.0	NO	NO	NO
R939_1	51.0	46.9	52.2	48.6	51.5	47.5	52.8	49.2	60.0	55.0	NO	NO	1.2	1.7	1.3	1.7	NO	NO	NO
R940_1	50.5	46.5	50.8	47.2	51.1	47.1	51.4	47.7	60.0	55.0	NO	NO	0.3	0.7	0.3	0.6	NO	NO	NO
R941_1	68.0	63.9	70.6	67.1	68.6	64.5	71.3	67.7	60.0	55.0	YES	YES	2.6	3.2	2.7	3.2	YES	YES	YES
R942_1	57.4	53.3	59.1	55.5	58.0	53.9	59.7	56.1	60.0	55.0	NO	YES	1.7	2.2	1.7	2.2	NO	NO	YES
R943_1	50.6	46.6	51.0	47.4	51.2	47.2	51.6	47.9	60.0	55.0	NO	NO	0.4	0.8	0.4	0.7	NO	NO	NO
R944_1	54.4	50.3	55.8	52.3	55.0	50.9	56.4	52.8	60.0	55.0	NO	NO	1.4	2.0	1.4	1.9	NO	NO	NO
R945_1	68.1	64.0	70.7	67.2	68.7	64.6	71.3	67.8	60.0	55.0	YES	YES	2.6	3.2	2.6	3.2	YES	YES	YES
R946_1	50.4	46.3	50.4	46.8	51.0	46.9	51.1	47.4	60.0	55.0	NO	NO	0.0	0.5	0.1	0.5	NO	NO	NO
R947_1	50.7	46.7	51.9	48.3	51.3	47.3	52.5	48.9	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R948_1	70.4	66.3	70.9	67.3	71.0	66.9	71.5	67.8	60.0	55.0	YES	YES	0.5	1.0	0.5	0.9	YES	YES	YES
R949_1	51.7	47.6	52.0	48.4	52.3	48.2	52.6	48.9	60.0	55.0	NO	NO	0.3	0.8	0.3	0.7	NO	NO	NO
R950_1	57.9	53.9	59.4	55.8	58.5	54.5	60.0	56.4	60.0	55.0	NO	YES	1.5	1.9	1.5	1.9	NO	NO	NO
R951_1	50.8	46.7	51.1	47.5	51.4	47.3	51.7	48.0	60.0	55.0	NO	NO	0.3	0.8	0.3	0.7	NO	NO	NO
R952_1	65.7	61.6	65.9	62.4	66.3	62.2	66.5	63.0	60.0	55.0	YES	YES	0.2	0.8	0.2	0.8	YES	YES	YES
R953_1	52.9	48.8	54.0	50.5	53.5	49.4	54.6	51.0	60.0	55.0	NO	NO	1.1	1.7	1.1	1.6	NO	NO	NO
R954_1	57.2	53.1	58.9	55.4	57.8	53.7	59.5	55.9	60.0	55.0	NO	YES	1.7	2.3	1.7	2.2	NO	NO	YES
R955_1	50.3	46.2	50.3	46.7	50.9	46.8	50.9	47.2	60.0	55.0	NO	NO	0.0	0.5	0.0	0.4	NO	NO	NO
R956_1	52.2	48.1	53.3	49.7	52.8	48.7	53.9	50.3	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R957_1	51.0	47.0	51.7	48.2	51.6	47.6	52.4	48.7	60.0	55.0	NO	NO	0.7	1.2	0.8	1.1	NO	NO	NO
R958_1	55.3	51.2	56.6	53.1	55.9	51.8	57.2	53.6	60.0	55.0	NO	NO	1.3	1.9	1.3	1.8	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R959_1	53.9	49.8	55.1	51.5	54.5	50.4	55.7	52.1	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R960_1	51.7	47.6	52.8	49.1	52.3	48.2	53.4	49.7	60.0	55.0	NO	NO	1.1	1.5	1.1	1.5	NO	NO	NO
R961_1	68.1	64.1	70.9	67.4	68.7	64.6	71.5	68.0	60.0	55.0	YES	YES	2.8	3.3	2.8	3.4	YES	YES	YES
R962_1	53.4	49.3	54.4	50.8	54.0	49.9	55.0	51.4	60.0	55.0	NO	NO	1.0	1.5	1.0	1.5	NO	NO	NO
R963_1	52.5	48.5	52.8	49.2	53.1	49.0	53.4	49.8	60.0	55.0	NO	NO	0.3	0.7	0.3	0.8	NO	NO	NO
R964_1	53.3	49.3	54.5	50.9	53.9	49.9	55.1	51.5	60.0	55.0	NO	NO	1.2	1.6	1.2	1.6	NO	NO	NO
R965_1	51.2	47.1	51.4	47.9	51.8	47.7	52.0	48.4	60.0	55.0	NO	NO	0.2	0.8	0.2	0.7	NO	NO	NO
R966_1	51.4	47.3	51.5	47.9	52.0	47.9	52.1	48.4	60.0	55.0	NO	NO	0.1	0.6	0.1	0.5	NO	NO	NO
R967_1	50.8	46.8	50.7	47.1	51.4	47.4	51.3	47.7	60.0	55.0	NO	NO	-0.1	0.3	-0.1	0.3	NO	NO	NO
R968_1	51.4	47.4	52.0	48.4	52.0	48.0	52.6	49.0	60.0	55.0	NO	NO	0.6	1.0	0.6	1.0	NO	NO	NO
R969_1	52.2	48.2	53.2	49.7	52.8	48.8	53.8	50.2	60.0	55.0	NO	NO	1.0	1.5	1.0	1.4	NO	NO	NO
R970_1	68.8	64.7	71.9	68.3	69.4	65.3	72.5	68.9	60.0	55.0	YES	YES	3.1	3.6	3.1	3.6	YES	YES	YES
R971_1	66.4	62.3	66.8	63.2	67.0	62.9	67.4	63.8	60.0	55.0	YES	YES	0.4	0.9	0.4	0.9	YES	YES	YES
R972_1	52.6	48.6	52.7	49.2	53.2	49.2	53.3	49.7	60.0	55.0	NO	NO	0.1	0.6	0.1	0.5	NO	NO	NO
R973_1	59.3	55.2	61.5	57.9	59.9	55.8	62.1	58.5	60.0	55.0	YES	YES	2.2	2.7	2.2	2.7	NO	NO	YES
R974_1	51.2	47.2	51.6	48.0	51.8	47.8	52.2	48.6	60.0	55.0	NO	NO	0.4	0.8	0.4	0.8	NO	NO	NO
R975_1	56.5	52.4	57.9	54.4	57.1	53.0	58.5	55.0	60.0	55.0	NO	NO	1.4	2.0	1.4	2.0	NO	NO	NO
R976_1	51.8	47.8	51.8	48.2	52.4	48.4	52.3	48.7	60.0	55.0	NO	NO	0.0	0.4	-0.1	0.3	NO	NO	NO
R977_1	51.0	47.0	50.8	47.2	51.6	47.6	51.4	47.8	60.0	55.0	NO	NO	-0.2	0.2	-0.2	0.2	NO	NO	NO
R978_1	73.9	69.9	73.4	69.8	74.5	70.5	74.0	70.4	60.0	55.0	YES	YES	-0.5	-0.1	-0.5	-0.1	YES	YES	YES
R979_1	52.9	48.8	54.0	50.4	53.5	49.4	54.6	51.0	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R980_1	51.8	47.8	52.2	48.6	52.4	48.4	52.8	49.2	60.0	55.0	NO	NO	0.4	0.8	0.4	0.8	NO	NO	NO
R981_1	52.2	48.2	53.2	49.7	52.8	48.8	53.8	50.2	60.0	55.0	NO	NO	1.0	1.5	1.0	1.4	NO	NO	NO
R982_1	51.1	47.1	50.9	47.4	51.7	47.7	51.5	48.0	60.0	55.0	NO	NO	-0.2	0.3	-0.2	0.3	NO	NO	NO
R983_1	56.8	52.7	58.2	54.6	57.4	53.3	58.8	55.2	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R984_1	57.2	53.1	57.8	54.3	57.8	53.7	58.4	54.8	60.0	55.0	NO	NO	0.6	1.2	0.6	1.1	NO	NO	NO
R985_1	56.2	52.1	56.8	53.3	56.8	52.7	57.4	53.9	60.0	55.0	NO	NO	0.6	1.2	0.6	1.2	NO	NO	NO
R986_1	51.0	47.0	50.7	47.1	51.6	47.6	51.3	47.7	60.0	55.0	NO	NO	-0.3	0.1	-0.3	0.1	NO	NO	NO
R987_1	60.6	56.6	61.3	57.7	61.2	57.2	61.9	58.3	60.0	55.0	YES	YES	0.7	1.1	0.7	1.1	NO	NO	NO
R988_1	53.2	49.1	53.1	49.6	53.8	49.7	53.7	50.1	60.0	55.0	NO	NO	-0.1	0.5	-0.1	0.4	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R989_1	59.0	54.9	61.3	57.8	59.6	55.5	61.9	58.3	60.0	55.0	YES	YES	2.3	2.9	2.3	2.8	NO	NO	YES
R990_1	55.0	51.0	55.5	51.9	55.6	51.6	56.1	52.5	60.0	55.0	NO	NO	0.5	0.9	0.5	0.9	NO	NO	NO
R991_1	68.6	64.5	71.6	68.1	69.2	65.1	72.2	68.7	60.0	55.0	YES	YES	3.0	3.6	3.0	3.6	YES	YES	YES
R992_1	52.3	48.3	51.9	48.3	52.9	48.9	52.5	49.0	60.0	55.0	NO	NO	-0.4	0.0	-0.4	0.1	NO	NO	NO
R993_1	52.2	48.2	52.5	49.0	52.8	48.8	53.1	49.6	60.0	55.0	NO	NO	0.3	0.8	0.3	0.8	NO	NO	NO
R994_1	53.1	49.0	54.2	50.6	53.7	49.6	54.8	51.2	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R995_1	52.9	48.9	54.0	50.5	53.5	49.5	54.7	51.1	60.0	55.0	NO	NO	1.1	1.6	1.2	1.6	NO	NO	NO
R996_1	53.0	49.0	54.1	50.5	53.6	49.6	54.7	51.1	60.0	55.0	NO	NO	1.1	1.5	1.1	1.5	NO	NO	NO
R997_1	52.9	48.9	52.8	49.3	53.5	49.5	53.4	49.8	60.0	55.0	NO	NO	-0.1	0.4	-0.1	0.3	NO	NO	NO
R998_1	52.1	48.1	52.4	48.8	52.7	48.7	53.0	49.4	60.0	55.0	NO	NO	0.3	0.7	0.3	0.7	NO	NO	NO
R999_1	58.4	54.4	60.0	56.4	59.0	55.0	60.6	57.0	60.0	55.0	YES	YES	1.6	2.0	1.6	2.0	NO	NO	NO
R1000_1	69.4	65.3	72.4	68.9	70.0	65.9	73.0	69.4	60.0	55.0	YES	YES	3.0	3.6	3.0	3.5	YES	YES	YES
R1001_1	50.5	46.5	50.0	46.4	51.1	47.1	50.6	47.0	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1002_1	52.0	48.0	51.7	48.2	52.6	48.6	52.3	48.7	60.0	55.0	NO	NO	-0.3	0.2	-0.3	0.1	NO	NO	NO
R1003_1	51.2	47.2	50.7	47.1	51.8	47.8	51.3	47.7	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1004_1	65.9	61.8	66.2	62.6	66.5	62.4	66.8	63.2	60.0	55.0	YES	YES	0.3	0.8	0.3	0.8	YES	YES	YES
R1005_1	51.9	47.9	53.1	49.6	52.5	48.5	53.7	50.2	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO
R1006_1	62.7	58.7	63.3	59.8	63.3	59.3	64.0	60.4	60.0	55.0	YES	YES	0.6	1.1	0.7	1.1	NO	YES	YES
R1007_1	54.8	50.7	55.0	51.5	55.4	51.3	55.6	52.0	60.0	55.0	NO	NO	0.2	0.8	0.2	0.7	NO	NO	NO
R1008_1	59.7	55.7	60.5	57.0	60.3	56.3	61.2	57.6	60.0	55.0	YES	YES	0.8	1.3	0.9	1.3	NO	NO	NO
R1009_1	56.4	52.3	57.1	53.6	57.0	52.9	57.7	54.1	60.0	55.0	NO	NO	0.7	1.3	0.7	1.2	NO	NO	NO
R1010_1	59.2	55.2	60.8	57.2	59.8	55.8	61.4	57.8	60.0	55.0	YES	YES	1.6	2.0	1.6	2.0	NO	NO	NO
R1011_1	59.1	55.0	61.5	58.0	59.7	55.6	62.1	58.5	60.0	55.0	YES	YES	2.4	3.0	2.4	2.9	NO	NO	YES
R1012_1	53.0	49.0	52.4	48.8	53.6	49.6	53.0	49.4	60.0	55.0	NO	NO	-0.6	-0.2	-0.6	-0.2	NO	NO	NO
R1013_1	54.2	50.2	54.5	50.9	54.8	50.8	55.1	51.5	60.0	55.0	NO	NO	0.3	0.7	0.3	0.7	NO	NO	NO
R1014_1	72.6	68.6	72.5	68.8	73.2	69.2	73.1	69.4	60.0	55.0	YES	YES	-0.1	0.2	-0.1	0.2	YES	YES	YES
R1015_1	53.6	49.6	53.4	49.8	54.2	50.2	54.0	50.4	60.0	55.0	NO	NO	-0.2	0.2	-0.2	0.2	NO	NO	NO
R1016_1	51.7	47.7	52.0	48.4	52.3	48.3	52.6	49.0	60.0	55.0	NO	NO	0.3	0.7	0.3	0.7	NO	NO	NO
R1017_1	51.1	47.1	50.6	47.0	51.7	47.7	51.2	47.6	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1018_1	52.3	48.2	53.5	49.9	52.9	48.8	54.1	50.5	60.0	55.0	NO	NO	1.2	1.7	1.2	1.7	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R1019_1	52.3	48.3	51.9	48.4	52.9	48.9	52.5	48.9	60.0	55.0	NO	NO	-0.4	0.1	-0.4	0.0	NO	NO	NO
R1020_1	59.7	55.6	61.2	57.7	60.3	56.2	61.8	58.2	60.0	55.0	YES	YES	1.5	2.1	1.5	2.0	NO	NO	YES
R1021_1	68.6	64.5	71.3	67.8	69.2	65.1	71.9	68.3	60.0	55.0	YES	YES	2.7	3.3	2.7	3.2	YES	YES	YES
R1022_1	51.9	47.9	51.4	47.8	52.5	48.5	52.0	48.4	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1023_1	52.1	48.1	52.3	48.7	52.7	48.7	52.9	49.3	60.0	55.0	NO	NO	0.2	0.6	0.2	0.6	NO	NO	NO
R1024_1	50.9	46.9	50.5	46.9	51.5	47.5	51.1	47.5	60.0	55.0	NO	NO	-0.4	0.0	-0.4	0.0	NO	NO	NO
R1025_1	64.1	60.0	66.5	63.0	64.7	60.6	67.1	63.5	60.0	55.0	YES	YES	2.4	3.0	2.4	2.9	YES	YES	YES
R1026_1	57.2	53.2	58.7	55.1	57.8	53.8	59.3	55.7	60.0	55.0	NO	YES	1.5	1.9	1.5	1.9	NO	NO	NO
R1027_1	52.9	48.9	52.5	49.0	53.6	49.5	53.1	49.6	60.0	55.0	NO	NO	-0.4	0.1	-0.5	0.1	NO	NO	NO
R1028_1	51.6	47.6	51.1	47.5	52.2	48.2	51.7	48.1	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1029_1	50.8	46.8	50.3	46.7	51.4	47.4	50.9	47.3	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1030_1	56.3	52.2	57.7	54.2	56.9	52.8	58.3	54.7	60.0	55.0	NO	NO	1.4	2.0	1.4	1.9	NO	NO	NO
R1031_1	58.2	54.1	59.7	56.1	58.7	54.7	60.3	56.7	60.0	55.0	NO	YES	1.5	2.0	1.6	2.0	NO	NO	NO
R1032_1	52.9	48.9	52.4	48.8	53.5	49.5	53.0	49.4	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1033_1	55.4	51.4	56.8	53.2	56.0	52.0	57.4	53.8	60.0	55.0	NO	NO	1.4	1.8	1.4	1.8	NO	NO	NO
R1034_1	54.9	50.8	56.1	52.6	55.5	51.4	56.7	53.1	60.0	55.0	NO	NO	1.2	1.8	1.2	1.7	NO	NO	NO
R1035_1	52.1	48.1	51.6	48.1	52.7	48.7	52.2	48.6	60.0	55.0	NO	NO	-0.5	0.0	-0.5	-0.1	NO	NO	NO
R1036_1	51.4	47.4	50.9	47.3	52.0	48.1	51.5	47.9	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.2	NO	NO	NO
R1037_1	52.5	48.5	52.7	49.1	53.1	49.1	53.3	49.7	60.0	55.0	NO	NO	0.2	0.6	0.2	0.6	NO	NO	NO
R1038_1	53.4	49.4	54.7	51.1	54.0	50.0	55.3	51.7	60.0	55.0	NO	NO	1.3	1.7	1.3	1.7	NO	NO	NO
R1039_1	51.7	47.7	51.1	47.6	52.3	48.3	51.7	48.1	60.0	55.0	NO	NO	-0.6	-0.1	-0.6	-0.2	NO	NO	NO
R1040_1	50.6	46.6	50.0	46.5	51.2	47.2	50.6	47.0	60.0	55.0	NO	NO	-0.6	-0.1	-0.6	-0.2	NO	NO	NO
R1041_1	51.8	47.9	51.2	47.6	52.5	48.5	51.8	48.2	60.0	55.0	NO	NO	-0.6	-0.3	-0.7	-0.3	NO	NO	NO
R1042_1	50.6	46.6	50.0	46.4	51.2	47.2	50.6	47.0	60.0	55.0	NO	NO	-0.6	-0.2	-0.6	-0.2	NO	NO	NO
R1043_1	57.8	53.7	59.4	55.9	58.4	54.3	60.0	56.4	60.0	55.0	NO	YES	1.6	2.2	1.6	2.1	NO	NO	YES
R1044_1	53.2	49.2	52.7	49.1	53.8	49.8	53.3	49.7	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1045_1	COMMERCIAL RECEIVER																		
R1046_1	59.0	54.9	60.9	57.4	59.6	55.5	61.5	57.9	60.0	55.0	YES	YES	1.9	2.5	1.9	2.4	NO	NO	YES
R1047_1	50.8	46.8	50.2	46.6	51.4	47.4	50.8	47.2	60.0	55.0	NO	NO	-0.6	-0.2	-0.6	-0.2	NO	NO	NO
R1048_1	54.2	50.1	55.6	52.0	54.8	50.7	56.2	52.6	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R1049_1	53.7	49.7	55.0	51.5	54.3	50.2	55.6	52.1	60.0	55.0	NO	NO	1.3	1.8	1.3	1.9	NO	NO	NO
R1050_1	54.2	50.2	53.8	50.3	54.8	50.8	54.4	50.8	60.0	55.0	NO	NO	-0.4	0.1	-0.4	0.0	NO	NO	NO
R1051_1	52.9	48.8	54.2	50.6	53.5	49.4	54.8	51.2	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R1052_1	52.3	48.2	53.6	50.0	52.9	48.8	54.2	50.6	60.0	55.0	NO	NO	1.3	1.8	1.3	1.8	NO	NO	NO
R1053_1	67.8	63.7	70.3	66.8	68.4	64.3	70.9	67.4	60.0	55.0	YES	YES	2.5	3.1	2.5	3.1	YES	YES	YES
R1054_1	53.8	49.8	53.6	50.1	54.4	50.4	54.2	50.6	60.0	55.0	NO	NO	-0.2	0.3	-0.2	0.2	NO	NO	NO
R1055_1	55.4	51.3	57.3	53.8	56.0	51.9	57.9	54.4	60.0	55.0	NO	NO	1.9	2.5	1.9	2.5	NO	NO	NO
R1056_1	51.0	47.0	50.3	46.7	51.6	47.6	50.9	47.3	60.0	55.0	NO	NO	-0.7	-0.3	-0.7	-0.3	NO	NO	NO
R1057_1	54.8	50.7	56.4	52.8	55.4	51.3	57.0	53.4	60.0	55.0	NO	NO	1.6	2.1	1.6	2.1	NO	NO	NO
R1058_1	53.4	49.4	52.8	49.3	54.0	50.0	53.4	49.8	60.0	55.0	NO	NO	-0.6	-0.1	-0.6	-0.2	NO	NO	NO
R1059_1	51.3	47.3	50.6	47.1	51.9	47.9	51.2	47.6	60.0	55.0	NO	NO	-0.7	-0.2	-0.7	-0.3	NO	NO	NO
R1060_1	54.6	50.6	56.0	52.5	55.2	51.2	56.6	53.1	60.0	55.0	NO	NO	1.4	1.9	1.4	1.9	NO	NO	NO
R1061_1	70.3	66.2	71.9	68.4	70.9	66.8	72.6	69.0	60.0	55.0	YES	YES	1.6	2.2	1.7	2.2	YES	YES	YES
R1062_1	57.3	53.2	58.2	54.7	57.9	53.8	58.8	55.2	60.0	55.0	NO	NO	0.9	1.5	0.9	1.4	NO	NO	NO
R1063_1	52.8	48.9	52.2	48.7	53.5	49.5	52.8	49.2	60.0	55.0	NO	NO	-0.6	-0.2	-0.7	-0.3	NO	NO	NO
R1064_1	60.8	56.7	61.7	58.2	61.4	57.3	62.3	58.8	60.0	55.0	YES	YES	0.9	1.5	0.9	1.5	NO	NO	NO
R1065_1	68.0	64.0	68.8	65.2	68.6	64.6	69.4	65.8	60.0	55.0	YES	YES	0.8	1.2	0.8	1.2	YES	YES	YES
R1066_1	55.1	51.1	55.1	51.5	55.8	51.7	55.7	52.1	60.0	55.0	NO	NO	0.0	0.4	-0.1	0.4	NO	NO	NO
R1067_1	70.7	66.6	71.7	68.2	71.3	67.2	72.3	68.7	60.0	55.0	YES	YES	1.0	1.6	1.0	1.5	YES	YES	YES
R1068_1	54.9	51.0	54.3	50.7	55.6	51.6	54.9	51.3	60.0	55.0	NO	NO	-0.6	-0.3	-0.7	-0.3	NO	NO	NO
R1069_1	60.3	56.3	61.1	57.5	60.9	56.9	61.7	58.1	60.0	55.0	YES	YES	0.8	1.2	0.8	1.2	NO	NO	NO
R1070_1	54.6	50.6	53.6	50.0	55.2	51.2	54.2	50.6	60.0	55.0	NO	NO	-1.0	-0.6	-1.0	-0.6	NO	NO	NO
R1071_1	71.5	67.4	72.7	69.1	72.1	68.0	73.3	69.7	60.0	55.0	YES	YES	1.2	1.7	1.2	1.7	YES	YES	YES
R1072_1	59.9	55.8	60.9	57.4	60.5	56.4	61.5	58.0	60.0	55.0	YES	YES	1.0	1.6	1.0	1.6	NO	NO	NO
R1073_1	54.8	50.8	54.1	50.6	55.4	51.4	54.7	51.1	60.0	55.0	NO	NO	-0.7	-0.2	-0.7	-0.3	NO	NO	NO
R1074_1	53.4	49.4	54.6	51.1	54.0	50.0	55.3	51.7	60.0	55.0	NO	NO	1.2	1.7	1.3	1.7	NO	NO	NO
R1075_1	54.3	50.3	55.4	51.9	54.9	50.9	56.0	52.5	60.0	55.0	NO	NO	1.1	1.6	1.1	1.6	NO	NO	NO
R1076_1	71.5	67.4	71.8	68.2	72.1	68.0	72.4	68.8	60.0	55.0	YES	YES	0.3	0.8	0.3	0.8	YES	YES	YES
R1077_1	70.7	66.7	72.4	68.8	71.3	67.3	73.0	69.4	60.0	55.0	YES	YES	1.7	2.1	1.7	2.1	YES	YES	YES
R1078_1	55.4	51.4	55.5	52.0	56.0	52.0	56.1	52.6	60.0	55.0	NO	NO	0.1	0.6	0.1	0.6	NO	NO	NO

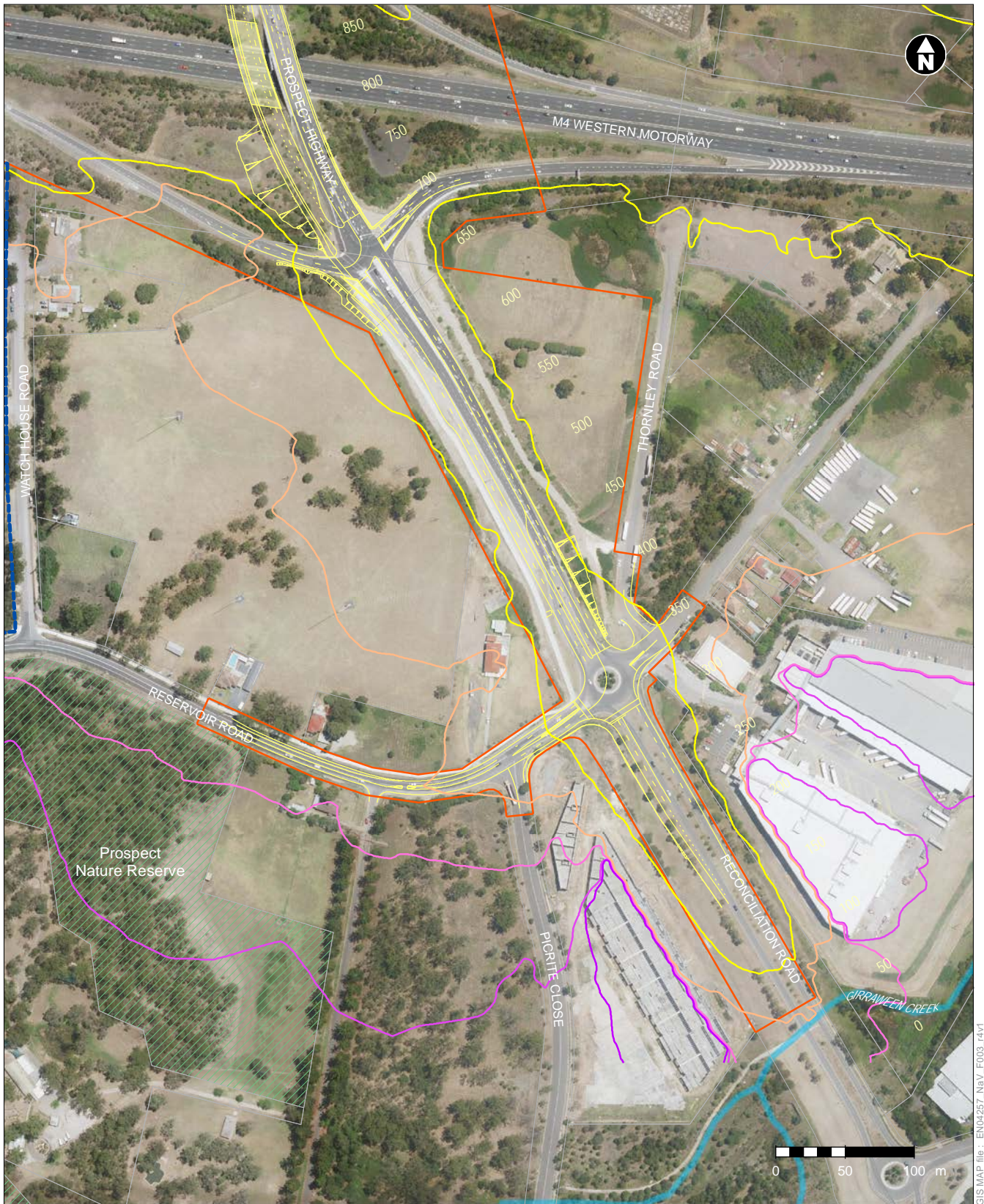
Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R1079_1	55.4	51.4	55.6	52.1	56.0	52.0	56.2	52.6	60.0	55.0	NO	NO	0.2	0.7	0.2	0.6	NO	NO	NO
R1080_1	56.2	52.2	56.3	52.8	56.8	52.8	56.9	53.4	60.0	55.0	NO	NO	0.1	0.6	0.1	0.6	NO	NO	NO
R1081_1	59.6	55.6	60.5	57.0	60.2	56.2	61.1	57.6	60.0	55.0	YES	YES	0.9	1.4	0.9	1.4	NO	NO	NO
R1082_1	56.0	51.9	56.2	52.6	56.6	52.6	56.8	53.2	60.0	55.0	NO	NO	0.2	0.7	0.2	0.6	NO	NO	NO
R1083_1	62.9	58.9	64.6	61.1	63.5	59.5	65.2	61.7	60.0	55.0	YES	YES	1.7	2.2	1.7	2.2	YES	YES	YES
R1084_1	55.6	51.6	55.2	51.6	56.2	52.3	55.8	52.2	60.0	55.0	NO	NO	-0.4	0.0	-0.4	-0.1	NO	NO	NO
R1085_1	55.2	51.2	54.7	51.1	55.8	51.8	55.3	51.7	60.0	55.0	NO	NO	-0.5	-0.1	-0.5	-0.1	NO	NO	NO
R1086_1	70.1	66.0	72.0	68.4	70.7	66.6	72.6	69.0	60.0	55.0	YES	YES	1.9	2.4	1.9	2.4	YES	YES	YES
R1087_1	56.7	52.7	56.4	52.8	57.3	53.3	57.0	53.4	60.0	55.0	NO	NO	-0.3	0.1	-0.3	0.1	NO	NO	NO
R1088_1	60.4	56.4	61.8	58.2	61.0	57.0	62.4	58.8	60.0	55.0	YES	YES	1.4	1.8	1.4	1.8	NO	NO	NO
R1089_1	69.0	64.9	70.0	66.5	69.6	65.5	70.6	67.0	60.0	55.0	YES	YES	1.0	1.6	1.0	1.5	YES	YES	YES
R1090_1	70.1	66.1	72.2	68.6	70.7	66.7	72.8	69.2	60.0	55.0	YES	YES	2.1	2.5	2.1	2.5	YES	YES	YES
R1091_1	57.3	53.3	57.8	54.3	57.9	53.9	58.4	54.9	60.0	55.0	NO	NO	0.5	1.0	0.5	1.0	NO	NO	NO
R1092_1	57.7	53.7	58.0	54.5	58.3	54.3	58.6	55.1	60.0	55.0	NO	NO	0.3	0.8	0.3	0.8	NO	NO	NO
R1093_1	61.7	57.7	62.6	59.1	62.3	58.3	63.2	59.6	60.0	55.0	YES	YES	0.9	1.4	0.9	1.3	NO	YES	YES
R1094_1	57.3	53.3	57.0	53.5	57.9	53.9	57.6	54.0	60.0	55.0	NO	NO	-0.3	0.2	-0.3	0.1	NO	NO	NO
R1095_1	57.7	53.7	58.1	54.6	58.4	54.3	58.7	55.2	60.0	55.0	NO	NO	0.4	0.9	0.3	0.9	NO	NO	NO
R1096_1	57.8	53.8	58.1	54.6	58.4	54.4	58.7	55.1	60.0	55.0	NO	NO	0.3	0.8	0.3	0.7	NO	NO	NO
R1097_1	57.5	53.5	57.6	54.1	58.1	54.1	58.2	54.7	60.0	55.0	NO	NO	0.1	0.6	0.1	0.6	NO	NO	NO
R1098_1	58.4	54.3	58.7	55.2	59.0	54.9	59.3	55.8	60.0	55.0	NO	YES	0.3	0.9	0.3	0.9	NO	NO	NO
R1099_1	70.6	66.6	72.8	69.2	71.2	67.2	73.4	69.7	60.0	55.0	YES	YES	2.2	2.6	2.2	2.5	YES	YES	YES
R1100_1	56.7	52.7	57.0	53.5	57.3	53.3	57.6	54.0	60.0	55.0	NO	NO	0.3	0.8	0.3	0.7	NO	NO	NO
R1101_1	57.9	53.9	58.0	54.5	58.5	54.5	58.6	55.1	60.0	55.0	NO	NO	0.1	0.6	0.1	0.6	NO	NO	NO
R1102_1	63.6	59.6	64.8	61.3	64.2	60.2	65.4	61.8	60.0	55.0	YES	YES	1.2	1.7	1.2	1.6	YES	YES	YES
R1103_1	57.7	53.7	57.8	54.3	58.3	54.3	58.4	54.8	60.0	55.0	NO	NO	0.1	0.6	0.1	0.5	NO	NO	NO
R1104_1	57.6	53.6	57.4	53.8	58.2	54.2	58.0	54.4	60.0	55.0	NO	NO	-0.2	0.2	-0.2	0.2	NO	NO	NO
R1105_1	70.4	66.4	72.4	68.8	71.0	67.0	73.0	69.4	60.0	55.0	YES	YES	2.0	2.4	2.0	2.4	YES	YES	YES
R1106_1	57.1	53.2	57.1	53.5	57.7	53.8	57.7	54.1	60.0	55.0	NO	NO	0.0	0.3	0.0	0.3	NO	NO	NO
R1107_1	63.9	60.0	65.1	61.5	64.5	60.6	65.7	62.1	60.0	55.0	YES	YES	1.2	1.5	1.2	1.5	YES	YES	YES
R1108_1	58.6	54.7	59.0	55.5	59.3	55.3	59.6	56.0	60.0	55.0	NO	YES	0.4	0.8	0.3	0.7	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R1109_1	70.2	66.3	72.1	68.5	70.8	66.9	72.7	69.1	60.0	55.0	YES	YES	1.9	2.2	1.9	2.2	YES	YES	YES
R1110_1	60.2	56.2	60.6	57.0	60.8	56.8	61.2	57.6	60.0	55.0	YES	YES	0.4	0.8	0.4	0.8	NO	NO	NO
R1111_1	70.3	66.4	72.1	68.5	70.9	67.0	72.7	69.1	60.0	55.0	YES	YES	1.8	2.1	1.8	2.1	YES	YES	YES
R1112_1	58.0	54.0	57.8	54.2	58.6	54.6	58.4	54.8	60.0	55.0	NO	NO	-0.2	0.2	-0.2	0.2	NO	NO	NO
R1113_1	56.2	52.2	55.8	52.3	56.8	52.8	56.4	52.8	60.0	55.0	NO	NO	-0.4	0.1	-0.4	0.0	NO	NO	NO
R1114_1	64.5	60.5	65.4	61.8	65.1	61.1	66.0	62.4	60.0	55.0	YES	YES	0.9	1.3	0.9	1.3	YES	YES	YES
R1115_1	70.8	66.9	72.6	69.0	71.4	67.5	73.3	69.6	60.0	55.0	YES	YES	1.8	2.1	1.9	2.1	YES	YES	YES
R1116_1	58.0	54.0	57.6	54.0	58.6	54.6	58.2	54.6	60.0	55.0	NO	NO	-0.4	0.0	-0.4	0.0	NO	NO	NO
R1117_1	60.5	56.5	60.6	57.1	61.1	57.1	61.2	57.7	60.0	55.0	YES	YES	0.1	0.6	0.1	0.6	NO	NO	NO
R1118_1	COMMERCIAL RECEIVER																		
R1119_1	64.3	60.4	65.2	61.6	65.0	61.0	65.8	62.2	60.0	55.0	YES	YES	0.9	1.2	0.8	1.2	YES	YES	YES
R1120_1	56.8	52.8	56.2	52.6	57.4	53.5	56.8	53.2	60.0	55.0	NO	NO	-0.6	-0.2	-0.6	-0.3	NO	NO	NO
R1121_1	70.8	66.9	72.5	68.9	71.4	67.5	73.1	69.5	60.0	55.0	YES	YES	1.7	2.0	1.7	2.0	YES	YES	YES
R1122_1	57.1	53.2	56.6	53.0	57.7	53.8	57.2	53.6	60.0	55.0	NO	NO	-0.5	-0.2	-0.5	-0.2	NO	NO	NO
R1123_1	57.8	53.8	57.1	53.5	58.4	54.4	57.7	54.1	60.0	55.0	NO	NO	-0.7	-0.3	-0.7	-0.3	NO	NO	NO
R1124_1	64.1	60.1	64.5	60.9	64.7	60.7	65.1	61.5	60.0	55.0	YES	YES	0.4	0.8	0.4	0.8	YES	YES	YES
R1125_1	60.3	56.3	60.0	56.4	60.9	56.9	60.6	57.0	60.0	55.0	YES	YES	-0.3	0.1	-0.3	0.1	NO	NO	NO
R1126_1	70.3	66.4	71.7	68.1	70.9	67.0	72.3	68.7	60.0	55.0	YES	YES	1.4	1.7	1.4	1.7	YES	YES	YES
R1127_1	63.3	59.3	63.4	59.8	63.9	59.9	64.0	60.4	60.0	55.0	YES	YES	0.1	0.5	0.1	0.5	NO	YES	YES
R1128_1	59.8	55.9	58.9	55.4	60.4	56.5	59.6	56.0	60.0	55.0	NO	YES	-0.9	-0.5	-0.8	-0.5	NO	NO	NO
R1129_1	64.5	60.6	64.5	60.9	65.1	61.2	65.1	61.5	60.0	55.0	YES	YES	0.0	0.3	0.0	0.3	YES	YES	YES
R1130_1	71.1	67.2	72.4	68.8	71.7	67.8	73.0	69.3	60.0	55.0	YES	YES	1.3	1.6	1.3	1.5	YES	YES	YES
R1131_1	65.4	61.5	65.0	61.4	66.0	62.1	65.6	62.0	60.0	55.0	YES	YES	-0.4	-0.1	-0.4	-0.1	YES	YES	YES
R1132_1	59.1	55.1	57.8	54.3	59.7	55.7	58.4	54.8	60.0	55.0	NO	NO	-1.3	-0.8	-1.3	-0.9	NO	NO	NO
R1133_1	71.9	68.1	73.0	69.3	72.6	68.7	73.6	69.9	60.0	55.0	YES	YES	1.1	1.2	1.0	1.2	YES	YES	YES
R1134_1	COMMERCIAL RECEIVER																		
R1135_1	65.8	61.8	64.3	60.8	66.4	62.4	64.9	61.3	60.0	55.0	YES	YES	-1.5	-1.0	-1.5	-1.1	YES	YES	YES
R1136_1	61.3	57.3	59.6	56.1	61.9	57.9	60.2	56.6	60.0	55.0	NO	YES	-1.7	-1.2	-1.7	-1.3	NO	NO	NO
R1137_1	71.1	67.3	69.7	66.1	71.7	67.9	70.3	66.7	60.0	55.0	YES	YES	-1.4	-1.2	-1.4	-1.2	YES	YES	YES
R1138_1	61.8	57.8	59.8	56.2	62.4	58.4	60.4	56.8	60.0	55.0	NO	YES	-2.0	-1.6	-2.0	-1.6	NO	NO	NO

Receiver ID Floor	Year of Opening No Build Scenario dB(A)		Year of Opening Build' Scenario dB(A)		Design Year No Build Scenario dB(A)		Design Year Build' Scenario dB(A)		RNP Criteria, dB(A)		Are the RNP Criteria exceeded?		Change in noise level dB(A)				Acute Level of Noise		Consider Further Additional Noise Mitigation
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Year Opening		Design Year		Day	Night	
													Day	Night	Day	Night			
R1139_1	62.7	58.8	60.3	56.8	63.3	59.4	60.9	57.3	60.0	55.0	YES	YES	-2.4	-2.0	-2.4	-2.1	NO	NO	NO
R1140_1	64.9	61.0	61.9	58.3	65.5	61.6	62.5	58.9	60.0	55.0	YES	YES	-3.0	-2.7	-3.0	-2.7	NO	NO	NO
R1141_1	70.0	66.1	64.9	61.3	70.6	66.7	65.6	61.9	60.0	55.0	YES	YES	-5.1	-4.8	-5.0	-4.8	YES	YES	YES
R1142_1	COMMERCIAL RECEIVER																		
R1143_1	69.7	65.8	63.1	59.5	70.3	66.4	63.8	60.1	60.0	55.0	YES	YES	-6.6	-6.3	-6.5	-6.3	NO	YES	YES
R1144_1	62.0	58.7	62.5	59.8	62.6	59.3	63.1	60.4	60.0	55.0	YES	YES	0.5	1.1	0.5	1.1	NO	YES	YES
R1144_2	67.0	63.7	67.2	64.5	67.6	64.4	67.8	65.2	60.0	55.0	YES	YES	0.2	0.8	0.2	0.8	YES	YES	YES
R1145_1	62.0	58.7	62.5	59.8	62.6	59.3	63.1	60.4	60.0	55.0	YES	YES	0.5	1.1	0.5	1.1	NO	YES	YES
R1145_2	67.0	63.7	67.2	64.5	67.6	64.4	67.8	65.2	60.0	55.0	YES	YES	0.2	0.8	0.2	0.8	YES	YES	YES
R1146_1	62.0	58.7	62.5	59.8	62.6	59.3	63.1	60.4	60.0	55.0	YES	YES	0.5	1.1	0.5	1.1	NO	YES	YES
R1146_2	67.0	63.7	67.2	64.5	67.6	64.4	67.8	65.2	60.0	55.0	YES	YES	0.2	0.8	0.2	0.8	YES	YES	YES
R1147_1	58.5	54.8	59.1	55.6	59.1	55.5	59.7	56.2	60.0	55.0	NO	YES	0.6	0.8	0.6	0.7	NO	NO	NO
R1148_1	58.2	54.6	58.9	55.4	58.8	55.3	59.5	56.1	60.0	55.0	NO	YES	0.7	0.8	0.7	0.8	NO	NO	NO
R1149_1	58.5	54.8	59.1	55.6	59.1	55.5	59.7	56.2	60.0	55.0	NO	YES	0.6	0.8	0.6	0.7	NO	NO	NO
R1150_1	58.4	54.9	59.1	55.7	59.1	55.5	59.8	56.3	60.0	55.0	NO	YES	0.7	0.8	0.7	0.8	NO	NO	NO

Appendix C. Predicted operational noise contours

C.1 2028 Build



GIS MAP file : EN04257_Nav_F03.r4v1

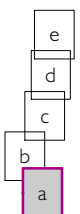


Figure 4-1a
Day build 2028 operational noise contours



GIS MAP file : EN04257_Nav_F003.r4v1

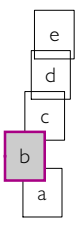


Figure 4-1b
Day build 2028 operational noise contours



GIS MAP file : EN04257_Nav_F03.r4v1

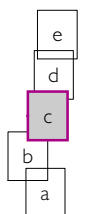


Figure 4-1c
Day build 2028 operational noise contours



GIS MAP file : EN04257_Nav_F003.r4v1

- The proposal boundary
- 50 dB
- Waterway
- The proposal
- 55 dB
- 60 dB
- 65 dB
- 70 dB

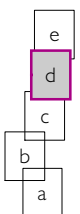


Figure 4-1d
Day build 2028 operational noise contours



GIS MAP file : EN04257_Nav_F003.r4v1

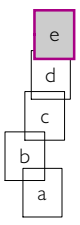


Figure 4-1e
Day build 2028 operational noise contours

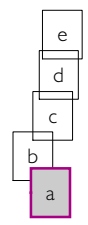
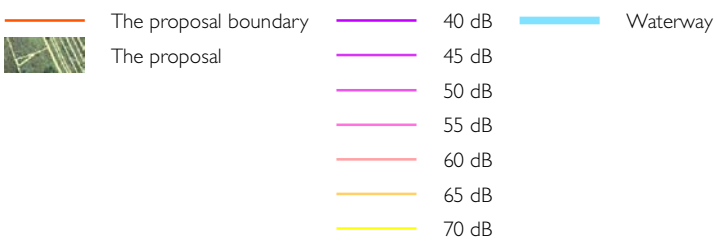
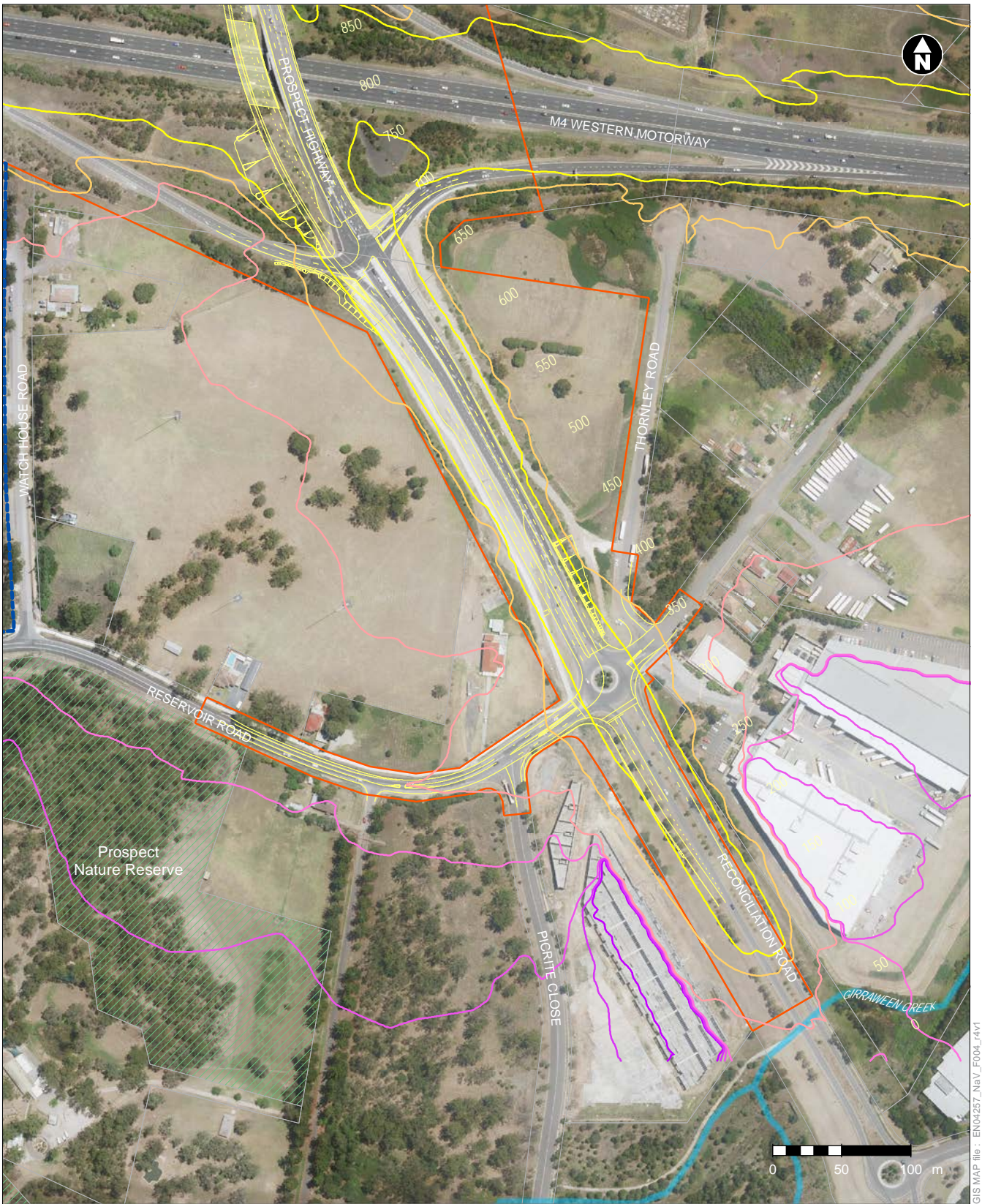
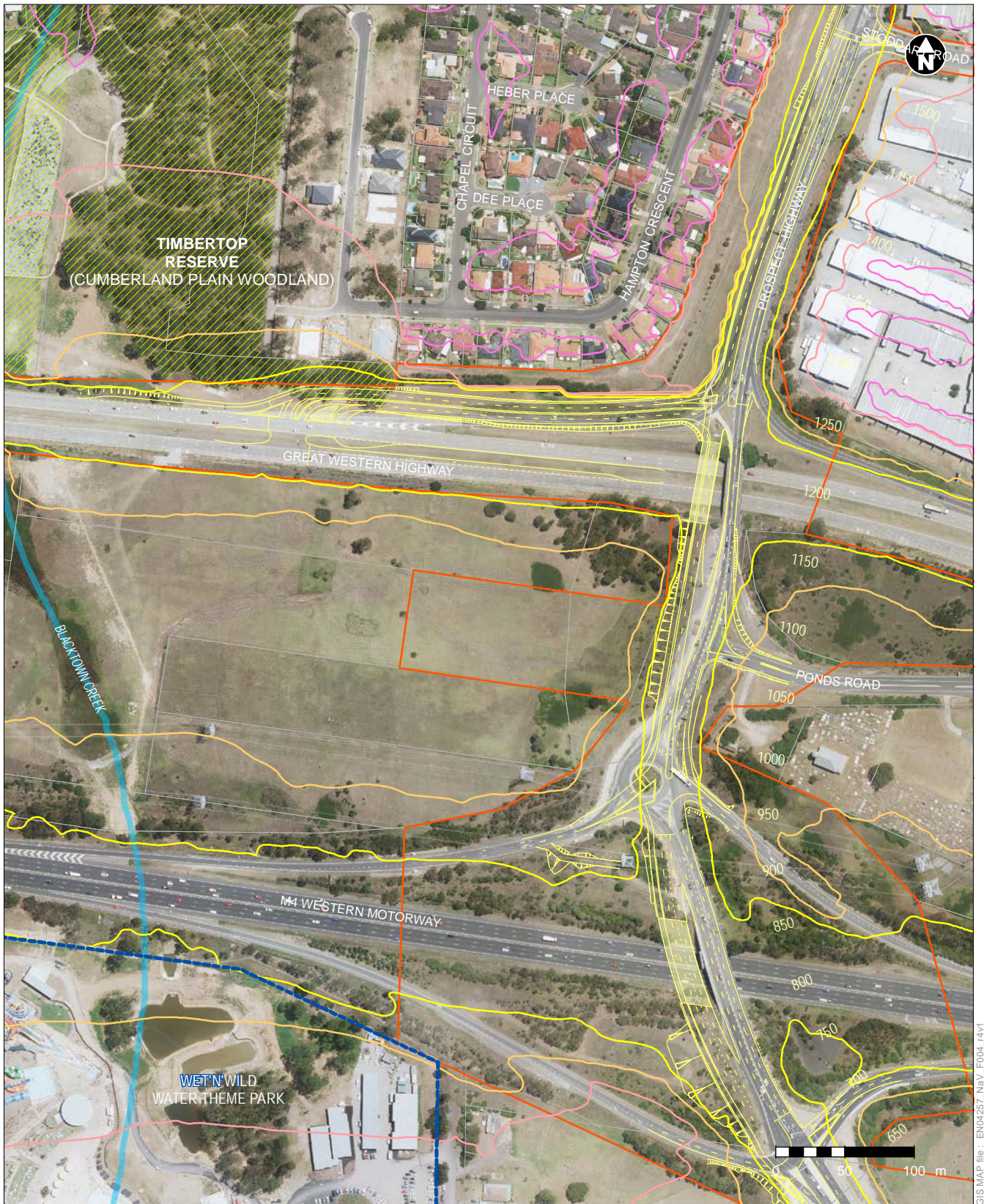


Figure 4-2a
Night build 2028 operational noise contours



GIS MAP file : EN04257_Nav_F004_r4v1

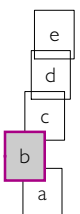
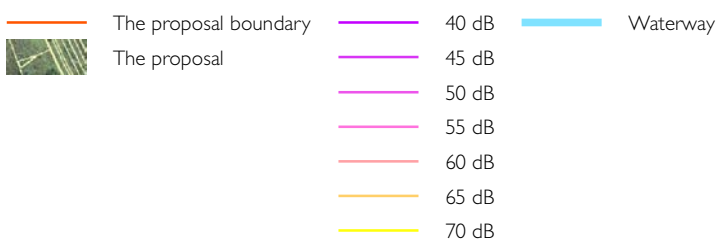


Figure 4-2b
Night build 2028 operational noise contours



GIS MAP file : EN04257_Nav_F004_r4v1

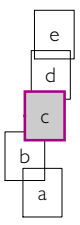
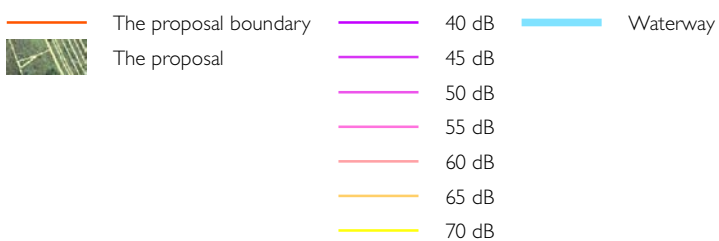


Figure 4-2c
Night build 2028 operational noise contours



GIS MAP file : EN04257_NaV_F004_r4v1

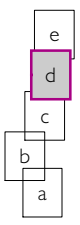
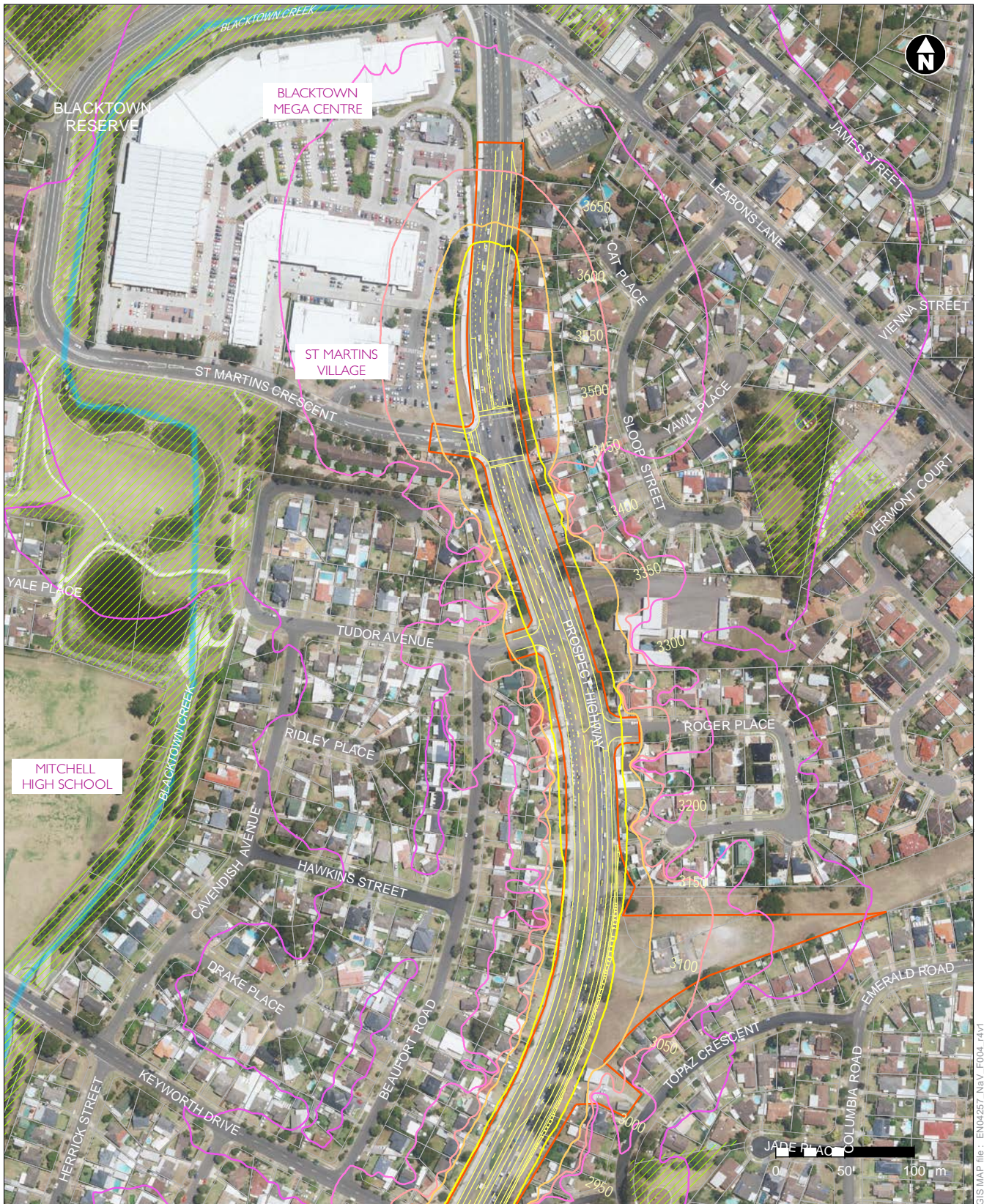


Figure 4-2d
Night build 2028 operational noise contours



GIS MAP file : EN04257_Nav_F004_r4v1

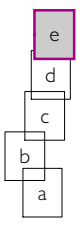
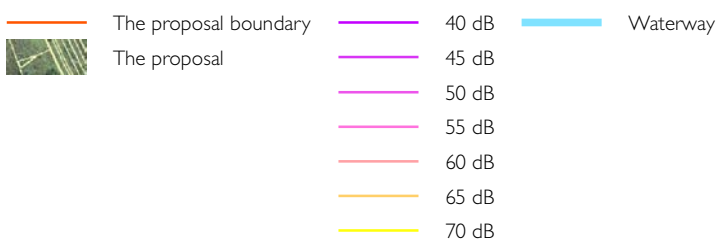


Figure 4-2e
Night build 2028 operational noise contours

Appendix D. Predicted construction noise results

- D.1 Stage 1
- D.2 Stage 2 and ancillary facilities

Table D-1 Predicted construction noise levels per receiver and construction activity

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA01	1	Residential	55	50	50	47	56	53	45	38	77	57	0	68	42	37	31	42	36	76	71
NCA01	2	Residential	55	50	50	47	45	51	43	40	68	53	0	59	47	42	36	45	38	67	62
NCA01	3	Residential	55	50	50	47	50	50	41	26	78	53	0	69	27	22	16	25	18	77	72
NCA01	4	Residential	55	50	50	47	48	59	56	41	68	62	0	59	49	44	38	46	40	67	62
NCA01	5	Residential	55	50	50	47	43	58	47	40	78	75	0	69	48	42	36	44	38	77	72
NCA01	6	Residential	55	50	50	47	42	54	45	40	70	67	0	61	48	42	36	45	39	69	64
NCA01	7	Residential	55	50	50	47	39	47	39	40	56	53	0	47	47	42	36	44	38	55	50
NCA01	8	Residential	55	50	50	47	37	47	38	37	54	51	0	45	44	39	33	41	35	53	48
NCA01	9	Residential	55	50	50	47	42	55	45	40	66	63	0	57	48	42	36	45	39	65	60
NCA01	10	Commercial	70	70	70	70	38	50	43	39	60	57	0	51	45	40	34	42	36	59	54
NCA01	11	Residential	55	50	50	47	41	50	42	41	58	55	0	49	49	43	37	46	39	57	52
NCA01	12	Residential	55	50	50	47	43	52	40	49	59	57	0	50	55	49	43	51	45	58	53
NCA01	13	Residential	55	50	50	47	38	44	37	41	52	49	0	43	48	43	37	45	39	51	46
NCA01	14	Church	55	55	55	55	45	56	46	57	61	58	0	52	57	52	46	54	48	60	55
NCA02	27	Commercial	70	70	70	70	39	47	40	40	55	44	0	46	44	39	33	41	35	54	49
NCA02	28	Residential	55	50	51	44	39	48	43	42	58	43	0	49	43	38	32	40	34	57	52
NCA02	29	Residential	55	50	51	44	38	47	41	41	56	43	0	47	43	38	32	40	34	55	50
NCA02	31	Residential	55	50	51	44	37	46	40	41	54	42	0	45	43	38	32	40	33	53	48
NCA02	32	Residential	55	50	51	44	41	52	46	45	61	46	0	52	46	41	35	43	37	60	55
NCA02	33	Residential	55	50	51	44	37	46	40	41	55	42	0	46	42	37	31	39	33	54	49
NCA02	43	Residential	55	50	51	44	38	46	39	42	54	44	0	45	44	39	33	41	35	53	48
NCA02	49	Residential	55	50	51	44	41	51	44	46	60	47	0	51	47	42	36	44	38	59	54
NCA02	52	Residential	55	50	51	44	37	46	40	41	55	42	0	46	43	38	32	40	34	54	49
NCA02	53	Residential	55	50	51	44	36	45	38	40	53	41	0	44	42	37	31	39	33	52	47
NCA02	56	Residential	55	50	51	44	37	46	39	41	54	42	0	45	42	37	31	39	33	53	48
NCA02	57	Residential	55	50	51	44	36	45	38	40	53	42	0	44	42	37	31	39	33	52	47
NCA02	58	Residential	55	50	51	44	36	44	37	40	52	41	0	43	42	37	31	39	33	51	46
NCA02	60	Residential	55	50	51	44	35	43	36	39	51	41	0	42	41	36	30	38	32	50	45
NCA02	61	Residential	55	50	51	44	38	48	41	42	56	43	0	47	43	38	32	40	34	55	50
NCA02	67	Residential	55	50	51	44	38	47	40	42	56	43	23	47	43	38	32	40	34	55	50
NCA02	70	Residential	55	50	51	44	37	46	39	41	54	42	0	45	43	37	31	40	33	53	48
NCA02	71	Residential	55	50	51	44	38	47	40	42	55	43	23	46	43	38	32	40	34	54	49
NCA02	77	Residential	55	50	51	44	36	45	38	40	53	42	0	44	42	37	31	39	33	52	47
NCA02	81	Residential	55	50	51	44	37	46	38	41	53	42	0	44	43	37	31	40	33	52	47
NCA02	82	Residential	55	50	51	44	38	46	39	42	54	43	24	45	43	38	32	40	34	53	48

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA02	87	Residential	55	50	51	44	37	45	38	41	53	42	0	44	43	37	31	39	33	52	47
NCA02	89	Residential	55	50	51	44	37	46	38	42	54	43	24	45	43	38	32	40	34	53	48
NCA02	94	Residential	55	50	51	44	37	45	37	41	52	42	23	43	43	37	31	39	33	51	46
NCA02	95	Residential	55	50	51	44	36	44	37	40	52	41	0	43	42	37	31	39	33	51	46
NCA02	96	Residential	55	50	51	44	37	46	38	41	53	43	24	44	43	38	32	40	34	52	47
NCA02	102	Residential	55	50	51	44	37	45	37	41	53	43	24	44	43	38	32	40	34	52	47
NCA02	112	Residential	55	50	51	44	37	45	37	41	52	42	24	43	43	38	32	40	34	51	46
NCA02	119	Residential	55	50	51	44	37	44	36	41	52	42	24	43	43	38	32	40	34	51	46
NCA02	124	Residential	55	50	51	44	36	44	36	41	51	42	24	42	43	38	32	40	34	50	45
NCA02	131	Residential	55	50	51	44	36	44	35	40	50	42	24	41	43	37	31	40	33	49	44
NCA02	133	Residential	55	50	51	44	36	44	35	41	50	42	25	41	43	38	32	40	34	49	44
NCA02	135	Residential	55	50	51	44	36	44	35	41	50	42	25	41	43	38	32	40	34	49	44
NCA02	141	Residential	55	50	51	44	36	43	35	40	50	42	24	41	42	37	31	39	33	49	44
NCA03	16	Residential	55	50	51	44	49	56	49	74	73	58	8	64	57	51	45	55	48	72	67
NCA03	17	Residential	55	50	51	44	50	62	53	72	71	62	8	62	60	55	49	58	51	70	65
NCA03	18	Residential	55	50	51	44	50	60	51	72	71	61	8	62	59	53	47	57	50	70	65
NCA03	19	Residential	55	50	51	44	49	61	52	66	70	62	10	61	58	52	46	56	48	69	64
NCA03	20	Residential	55	50	51	44	49	60	53	73	73	62	13	64	58	53	47	55	49	72	67
NCA03	21	Residential	55	50	51	44	49	59	52	69	72	58	6	63	53	47	41	49	43	71	66
NCA03	22	Residential	55	50	51	44	50	56	49	72	72	58	7	63	57	51	45	53	47	71	66
NCA03	24	Residential	55	50	51	44	50	58	51	72	74	60	8	65	56	51	45	53	47	73	68
NCA03	25	Residential	55	50	51	44	51	62	53	68	71	60	7	62	54	49	43	51	45	70	65
NCA03	26	Residential	55	50	51	44	48	61	52	66	69	62	10	60	59	53	47	57	49	68	63
NCA03	30	Residential	55	50	51	44	45	49	50	61	67	59	13	58	57	51	45	54	47	66	61
NCA03	35	Residential	55	50	51	44	47	56	48	59	64	59	8	55	59	53	47	55	49	63	58
NCA03	36	Residential	55	50	51	44	47	54	47	61	66	58	9	57	57	52	46	54	48	65	60
NCA03	37	Residential	55	50	51	44	46	53	47	61	66	57	8	57	56	51	45	53	47	65	60
NCA03	38	Residential	55	50	51	44	45	56	48	60	64	59	15	55	58	52	46	55	49	63	58
NCA03	39	Residential	55	50	51	44	47	57	48	61	65	59	9	56	58	53	47	55	46	64	59
NCA03	40	Residential	55	50	51	44	46	53	46	59	66	56	8	57	56	50	44	53	47	65	60
NCA03	41	Residential	55	50	51	44	45	51	51	63	68	59	26	59	58	52	46	55	48	67	62
NCA03	42	Residential	55	50	51	44	43	52	43	55	60	54	29	51	54	49	43	52	45	59	54
NCA03	44	Residential	55	50	51	44	47	52	52	64	69	63	21	60	59	53	47	56	50	68	63
NCA03	45	Residential	55	50	51	44	45	55	47	58	64	57	26	55	58	53	47	55	48	63	58
NCA03	46	Residential	55	50	51	44	42	47	43	54	60	53	25	51	51	45	39	48	41	59	54
NCA03	47	Residential	55	50	51	44	41	49	42	54	57	49	28	48	47	42	36	44	38	56	51
NCA03	48	Residential	55	50	51	44	39	44	39	50	55	50	28	46	46	41	35	43	37	54	49

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA03	50	Residential	55	50	51	44	40	45	41	51	56	52	25	47	52	46	40	49	42	55	50
NCA03	54	Residential	55	50	51	44	42	47	42	53	59	52	25	50	51	46	40	48	42	58	53
NCA03	55	Residential	55	50	51	44	45	53	46	57	62	56	26	53	57	52	46	54	47	61	56
NCA03	59	Residential	55	50	51	44	41	51	42	53	58	53	25	49	50	45	39	47	41	57	52
NCA03	62	Residential	55	50	51	44	47	52	53	64	69	63	24	60	57	52	46	55	48	68	63
NCA03	63	Residential	55	50	51	44	47	50	52	64	69	64	24	60	56	52	46	54	48	68	63
NCA03	64	Residential	55	50	51	44	42	48	41	52	57	52	26	48	51	46	40	48	42	56	51
NCA03	66	Residential	55	50	51	44	40	46	41	51	57	52	23	48	43	38	32	44	34	56	51
NCA03	69	Residential	55	50	51	44	44	51	47	55	63	58	17	54	56	50	44	53	47	62	57
NCA03	72	Residential	55	50	51	44	42	48	40	51	56	51	26	47	50	45	39	47	41	55	50
NCA03	73	Residential	55	50	51	44	47	49	52	62	69	63	21	60	56	50	44	53	46	68	63
NCA03	74	Residential	55	50	51	44	42	47	39	51	56	50	26	47	51	46	40	48	42	55	50
NCA03	75	Residential	55	50	51	44	41	46	41	51	57	53	24	48	49	44	38	46	38	56	51
NCA03	76	Residential	55	50	51	44	42	49	40	51	56	51	26	47	52	46	40	48	42	55	50
NCA03	78	Residential	55	50	51	44	42	48	40	50	57	52	25	48	52	46	40	48	41	56	51
NCA03	79	Residential	55	50	51	44	42	47	39	50	56	51	26	47	52	46	40	48	42	55	50
NCA03	80	Residential	55	50	51	44	44	49	47	55	64	59	27	55	55	50	44	52	44	63	58
NCA03	83	Residential	55	50	51	44	44	48	47	57	63	58	27	54	55	50	44	52	46	62	57
NCA03	84	Residential	55	50	51	44	47	47	53	62	72	65	23	63	53	48	42	50	44	71	66
NCA03	85	Residential	55	50	51	44	41	47	38	49	55	49	26	46	50	45	39	47	41	54	49
NCA03	86	Residential	55	50	51	44	40	46	43	48	58	54	23	49	47	42	36	44	38	57	52
NCA03	88	Residential	55	50	51	44	42	47	40	50	56	52	26	47	52	46	40	49	43	55	50
NCA03	91	Residential	55	50	51	44	41	46	38	49	54	50	25	45	50	45	39	47	41	53	48
NCA03	92	Residential	55	50	51	44	41	47	38	49	54	49	26	45	50	44	38	47	41	53	48
NCA03	93	Residential	55	50	51	44	47	51	52	58	69	62	26	60	52	48	42	50	43	68	63
NCA03	97	Residential	55	50	51	44	43	47	45	54	61	57	20	52	54	48	42	51	45	60	55
NCA03	98	Residential	55	50	51	44	40	45	40	50	56	50	22	47	51	45	39	48	41	55	50
NCA03	100	Residential	55	50	51	44	41	46	39	49	55	51	26	46	51	45	39	48	42	54	49
NCA03	101	Residential	55	50	51	44	41	47	37	48	53	48	26	44	49	44	38	46	40	52	47
NCA03	103	Residential	55	50	51	44	41	46	39	48	54	51	26	45	50	45	39	47	41	53	48
NCA03	106	Residential	55	50	51	44	46	47	51	56	69	63	11	60	53	48	42	51	44	68	63
NCA03	107	Residential	55	50	51	44	42	45	46	51	63	58	22	54	51	46	40	48	41	62	57
NCA03	109	Residential	55	50	51	44	40	46	39	49	55	51	23	46	50	44	38	46	40	54	49
NCA03	110	Residential	55	50	51	44	41	46	36	47	53	48	26	44	49	44	38	46	40	52	47
NCA03	113	Residential	55	50	51	44	45	47	50	54	68	62	10	59	53	47	41	50	41	67	62
NCA03	114	Residential	55	50	51	44	41	45	38	48	54	50	26	45	50	45	39	47	41	53	48
NCA03	115	Residential	55	50	51	44	41	45	39	48	55	51	26	46	50	45	39	47	41	54	49

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA03	116	Residential	55	50	51	44	40	45	38	47	53	50	26	44	50	44	38	47	40	52	47
NCA03	118	Residential	55	50	51	44	40	45	36	46	52	48	26	43	49	43	37	46	40	51	46
NCA03	120	Residential	55	50	51	44	47	52	52	54	69	65	31	60	52	47	41	49	43	68	63
NCA03	121	Residential	55	50	51	44	43	46	46	52	63	58	15	54	52	47	41	50	43	62	57
NCA03	123	Residential	55	50	51	44	40	44	42	49	58	53	23	49	49	44	38	46	40	57	52
NCA03	125	Residential	55	50	51	44	40	45	36	45	51	48	26	42	49	43	37	45	39	50	45
NCA03	127	Residential	55	50	51	44	40	45	40	48	56	52	27	47	49	44	38	46	40	55	50
NCA03	128	Residential	55	50	51	44	40	44	37	46	53	49	26	44	49	44	38	46	40	52	47
NCA03	129	Residential	55	50	51	44	42	44	46	52	61	57	27	52	49	44	38	47	41	60	55
NCA03	130	Residential	55	50	51	44	47	53	52	52	69	65	27	60	49	44	38	46	40	68	63
NCA03	132	Residential	55	50	51	44	39	44	39	48	55	51	22	46	49	44	38	46	40	54	49
NCA03	134	Residential	55	50	51	44	39	44	36	45	51	48	25	42	48	43	37	45	39	50	45
NCA03	136	Residential	55	50	51	44	40	44	39	47	54	50	27	45	48	43	37	46	40	53	48
NCA03	137	Residential	55	50	51	44	40	44	40	47	56	51	26	47	49	43	37	46	40	55	50
NCA03	138	Residential	55	50	51	44	42	46	44	51	62	59	28	53	51	44	38	46	40	61	56
NCA03	140	Residential	55	50	51	44	40	43	38	46	53	50	26	44	48	43	37	45	39	52	47
NCA03	142	Residential	55	50	51	44	40	43	37	45	53	49	26	44	48	43	37	45	39	52	47
NCA03	143	Residential	55	50	51	44	47	53	52	48	69	64	25	60	48	43	37	46	39	68	63
NCA03	144	Residential	55	50	51	44	47	56	52	47	69	64	25	60	48	43	37	45	39	68	63
NCA03	145	Residential	55	50	51	44	39	43	36	44	51	47	25	42	47	42	36	44	38	50	45
NCA03	146	Residential	55	50	51	44	39	42	41	45	57	52	28	48	48	43	37	45	39	56	51
NCA03	147	Residential	55	50	51	44	40	45	40	46	54	52	27	45	48	43	37	45	39	53	48
NCA03	148	Residential	55	50	51	44	41	44	44	49	58	55	13	49	50	45	39	47	41	57	52
NCA03	149	Residential	55	50	51	44	40	45	39	46	53	51	27	44	48	42	36	45	38	52	47
NCA03	150	Residential	55	50	51	44	47	59	52	41	69	64	33	60	43	34	28	36	30	68	63
NCA03	151	Residential	55	50	51	44	39	44	35	44	51	48	27	42	47	42	36	44	38	50	45
NCA03	152	Residential	55	50	51	44	42	54	46	48	62	57	31	53	48	42	36	44	38	61	56
NCA03	153	Residential	55	50	51	44	39	45	37	45	53	50	26	44	47	42	36	44	38	52	47
NCA03	154	Residential	55	50	51	44	39	46	38	45	54	51	27	45	47	42	36	45	38	53	48
NCA03	155	Residential	55	50	51	44	39	44	35	44	51	47	27	42	47	42	36	44	38	50	45
NCA03	156	Residential	55	50	51	44	39	45	36	44	52	48	27	43	47	42	36	44	38	51	46
NCA03	157	Residential	55	50	51	44	39	44	36	44	51	48	27	42	47	42	36	44	38	50	45
NCA03	167	Residential	55	50	51	44	51	72	59	44	80	71	32	71	46	41	35	43	37	79	74
NCA03	170	Residential	55	50	51	44	44	59	50	46	67	61	16	58	48	43	37	45	39	66	61
NCA03	173	Residential	55	50	51	44	44	51	51	47	69	62	16	60	49	43	37	46	40	68	63
NCA03	175	Residential	55	50	51	44	39	49	40	44	56	52	17	47	50	44	38	47	40	55	50
NCA03	178	Residential	55	50	51	44	42	53	50	46	61	57	26	52	48	43	37	46	40	60	55

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA03	179	Residential	55	50	51	44	40	45	43	46	59	55	20	50	48	42	36	44	38	58	53
NCA03	181	Residential	55	50	51	44	37	41	39	43	55	51	26	46	46	41	35	43	37	54	49
NCA03	182	Residential	55	50	51	44	39	42	38	46	53	50	17	44	48	41	35	43	37	52	47
NCA03	183	Residential	55	50	51	44	39	43	38	45	54	50	16	45	48	43	37	46	39	53	48
NCA03	187	Residential	55	50	51	44	38	51	50	36	60	55	26	51	40	35	29	37	31	59	54
NCA03	188	Residential	55	50	51	44	38	42	37	43	52	49	19	43	46	41	35	43	37	51	46
NCA03	195	Residential	55	50	51	44	33	42	38	33	51	47	26	42	35	30	24	32	26	50	45
NCA03	1144	Residential	55	50	51	44	41	47	40	51	56	51	25	47	50	45	39	47	41	55	50
NCA03	1145	Residential	55	50	51	44	41	47	40	51	56	51	25	47	50	45	39	47	41	55	50
NCA03	1146	Residential	55	50	51	44	40	46	39	50	55	50	24	46	49	44	38	46	40	54	49
NCA03	1147	Residential	55	50	51	44	41	47	40	51	56	51	25	47	50	45	39	47	41	55	50
NCA03	1148	Residential	55	50	51	44	42	48	41	52	57	52	26	48	51	46	40	48	42	56	51
NCA03	1149	Residential	55	50	51	44	41	47	40	51	56	51	25	47	50	45	39	47	41	55	50
NCA03	1150	Residential	55	50	51	44	41	47	40	51	56	51	25	47	50	45	39	47	41	55	50
NCA04	15	Commercial	70	70	70	70	39	45	38	46	53	50	25	44	51	46	40	48	42	52	47
NCA04	23	Commercial	70	70	70	70	50	53	53	57	73	70	25	64	59	53	47	56	47	72	67
NCA04	34	Commercial	70	70	70	70	51	52	55	58	75	72	29	66	58	53	47	55	48	74	69
NCA04	51	Commercial	70	70	70	70	51	51	55	59	74	71	29	65	57	52	46	54	48	73	68
NCA04	65	Commercial	70	70	70	70	27	34	25	29	40	37	21	31	28	23	17	26	19	39	34
NCA04	68	Commercial	70	70	70	70	51	48	55	58	74	71	29	65	55	50	44	53	46	73	68
NCA04	90	Commercial	70	70	70	70	39	45	38	43	53	50	30	44	49	44	38	46	39	52	47
NCA04	99	Commercial	70	70	70	70	43	49	42	48	58	55	31	49	51	46	40	48	42	57	52
NCA04	104	Commercial	70	70	70	70	51	52	55	54	74	71	29	65	53	48	42	50	44	73	68
NCA04	105	Commercial	70	70	70	70	35	40	33	41	48	45	8	39	46	41	35	43	37	47	42
NCA04	108	Commercial	70	70	70	70	35	39	35	43	50	47	16	41	45	40	34	42	36	49	44
NCA04	111	Commercial	70	70	70	70	37	40	36	43	51	48	17	42	46	41	35	44	37	50	45
NCA04	117	Commercial	70	70	70	70	38	46	37	44	52	49	11	43	48	43	37	45	39	51	46
NCA04	122	Commercial	70	70	70	70	40	46	40	45	56	53	19	47	49	44	38	46	40	55	50
NCA04	126	Commercial	70	70	70	70	42	44	45	47	61	58	20	52	49	44	38	46	40	60	55
NCA04	139	Commercial	70	70	70	70	53	57	58	49	78	75	30	69	50	45	39	48	42	77	72
NCA05	208	Residential	48	43	41	35	39	42	44	42	57	54	16	48	47	41	35	43	36	56	51
NCA05	211	Residential	48	43	41	35	38	42	43	42	56	53	15	47	45	40	34	42	36	55	50
NCA05	212	Residential	48	43	41	35	38	41	44	42	57	53	15	48	45	40	34	42	36	56	51
NCA05	213	Residential	48	43	41	35	37	41	41	42	55	52	16	46	46	41	35	43	36	54	49
NCA05	216	Residential	48	43	41	35	37	41	40	42	54	51	15	45	46	41	35	43	37	53	48
NCA05	217	Residential	48	43	41	35	37	41	39	42	54	51	17	45	47	41	35	44	38	53	48
NCA05	218	Residential	48	43	41	35	37	41	38	43	53	50	18	44	47	41	35	43	37	52	47

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA05	231	Residential	48	43	41	35	36	45	36	41	51	48	25	42	44	39	33	41	35	50	45
NCA05	234	Residential	48	43	41	35	37	46	37	40	53	50	26	44	44	39	33	41	35	52	47
NCA05	235	Residential	48	43	41	35	37	43	39	41	54	51	26	45	44	39	33	41	35	53	48
NCA05	236	Residential	48	43	41	35	37	43	38	41	54	51	26	45	44	39	33	41	35	53	48
NCA05	240	Residential	48	43	41	35	38	43	39	41	55	52	27	46	44	39	33	41	35	54	49
NCA05	244	Residential	48	43	41	35	37	42	38	41	53	50	27	44	44	39	33	41	35	52	47
NCA05	247	Residential	48	43	41	35	38	48	40	41	56	53	29	47	44	39	33	41	35	55	50
NCA05	252	Residential	48	43	41	35	38	50	41	41	56	53	29	47	44	39	33	41	35	55	50
NCA05	259	Residential	48	43	41	35	38	43	39	40	56	49	31	47	44	39	33	41	35	55	50
NCA05	263	Residential	48	43	41	35	38	46	38	40	54	51	30	45	43	38	32	40	34	53	48
NCA05	265	Residential	48	43	41	35	38	46	37	40	53	50	30	44	43	38	32	40	34	52	47
NCA05	266	Residential	48	43	41	35	37	44	37	40	53	50	30	44	43	38	32	41	34	52	47
NCA05	267	Residential	48	43	41	35	38	46	37	40	53	50	33	44	43	38	32	40	34	52	47
NCA05	271	Residential	48	43	41	35	38	45	37	40	52	49	35	43	43	38	32	40	34	51	46
NCA05	274	Residential	48	43	41	35	38	44	37	39	52	49	35	43	43	38	32	40	34	51	46
NCA05	285	Residential	48	43	41	35	39	47	39	39	53	51	36	44	43	38	32	40	34	52	47
NCA05	288	Residential	48	43	41	35	39	47	40	39	55	52	36	46	43	38	32	40	34	54	49
NCA05	295	Residential	48	43	41	35	39	50	41	39	56	53	36	47	42	37	31	39	33	55	50
NCA05	306	Residential	48	43	41	35	39	53	43	37	59	55	33	50	41	36	30	38	32	58	53
NCA05	308	Residential	48	43	41	35	39	50	40	38	56	52	38	47	42	37	31	39	33	55	50
NCA05	309	Residential	48	43	41	35	39	49	39	38	55	51	38	46	42	37	31	39	33	54	49
NCA05	311	Residential	48	43	41	35	39	48	39	38	54	51	38	45	42	37	31	39	33	53	48
NCA05	313	Residential	48	43	41	35	39	48	38	38	53	50	37	44	42	37	31	39	33	52	47
NCA05	315	Residential	48	43	41	35	38	46	37	38	52	49	36	43	42	37	31	39	33	51	46
NCA05	316	Residential	48	43	41	35	39	47	37	38	53	49	37	44	42	37	31	39	33	52	47
NCA05	319	Residential	48	43	41	35	38	45	35	38	51	47	36	42	42	37	31	39	33	50	45
NCA05	322	Residential	48	43	41	35	38	45	36	38	51	48	37	42	42	36	30	39	33	50	45
NCA05	325	Residential	48	43	41	35	38	48	40	37	55	52	40	46	41	36	30	38	32	54	49
NCA05	328	Residential	48	43	41	35	37	50	40	37	55	51	39	46	41	36	30	38	32	54	49
NCA05	331	Residential	48	43	41	35	38	46	37	37	52	49	38	43	41	36	30	38	32	51	46
NCA05	333	Residential	48	43	41	35	39	48	39	37	54	51	40	45	41	36	30	38	32	53	48
NCA05	335	Residential	48	43	41	35	39	47	38	37	53	50	39	44	41	36	30	38	32	52	47
NCA05	339	Residential	48	43	41	35	39	48	38	37	54	50	40	45	41	36	30	38	32	53	48
NCA05	340	Residential	48	43	41	35	37	44	35	37	50	47	36	41	41	36	30	38	32	49	44
NCA05	344	Residential	48	43	41	35	38	46	37	37	53	50	38	44	41	36	30	38	32	52	47
NCA05	346	Residential	48	43	41	35	38	45	36	37	51	48	38	42	41	36	30	38	32	50	45
NCA05	354	Residential	48	43	41	35	40	51	42	34	57	54	40	48	35	30	24	32	26	56	51

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA05	355	Residential	48	43	41	35	40	50	41	36	57	54	43	48	40	35	29	37	31	56	51
NCA05	356	Residential	48	43	41	35	40	49	40	36	56	53	41	47	40	35	29	37	31	55	50
NCA05	360	Residential	48	43	41	35	39	48	39	36	55	52	41	46	40	35	29	37	31	54	49
NCA05	361	Residential	48	43	41	35	38	46	38	36	53	50	40	44	40	35	29	37	31	52	47
NCA05	362	Residential	48	43	41	35	38	47	38	36	54	51	40	45	40	35	29	37	31	53	48
NCA05	365	Residential	48	43	41	35	37	45	35	36	52	49	38	43	40	35	29	37	31	51	46
NCA05	371	Residential	48	43	41	35	40	50	41	34	57	54	46	48	37	32	26	34	28	56	51
NCA05	373	Residential	48	43	41	35	40	49	41	34	56	53	45	47	38	33	27	35	29	55	50
NCA05	375	Residential	48	43	41	35	37	45	36	36	52	49	38	43	40	35	29	37	31	51	46
NCA05	379	Residential	48	43	41	35	38	46	37	36	53	50	39	44	40	35	29	37	31	52	47
NCA05	382	Residential	48	43	41	35	39	48	39	36	54	51	42	45	40	35	29	37	31	53	48
NCA05	383	Residential	48	43	41	35	39	49	40	35	56	52	43	47	40	35	29	37	31	55	50
NCA05	386	Residential	48	43	41	35	37	45	36	36	52	49	38	43	40	35	29	37	31	51	46
NCA05	387	Residential	48	43	41	35	39	52	43	33	59	55	47	50	35	30	24	32	26	58	53
NCA05	388	Residential	48	43	41	35	39	47	38	35	53	50	41	44	40	35	29	37	31	52	47
NCA05	392	Residential	48	43	41	35	37	45	36	35	51	48	38	42	39	34	28	37	31	50	45
NCA05	394	Residential	48	43	41	35	38	47	37	35	53	49	40	44	39	34	28	37	31	52	47
NCA05	398	Residential	48	43	41	35	39	50	42	33	58	54	37	49	38	33	27	35	28	57	52
NCA05	400	Residential	48	43	41	35	38	47	38	35	53	50	40	44	39	34	28	36	30	52	47
NCA05	401	Residential	48	43	41	35	37	45	36	35	51	48	38	42	39	34	28	36	30	50	45
NCA05	403	Residential	48	43	41	35	39	49	40	34	56	52	44	47	39	34	28	36	30	55	50
NCA05	407	Residential	48	43	41	35	37	47	40	33	55	51	38	46	38	33	27	35	29	54	49
NCA05	408	Residential	48	43	41	35	39	48	39	35	55	51	44	46	39	34	28	36	30	54	49
NCA05	409	Residential	48	43	41	35	37	45	36	35	51	48	39	42	39	34	28	36	30	50	45
NCA05	412	Educational	55	55	55	55	38	47	38	35	53	50	41	44	39	34	28	36	30	52	47
NCA05	415	Residential	48	43	41	35	38	47	38	35	53	50	41	44	39	34	28	36	30	52	47
NCA05	418	Residential	48	43	41	35	37	45	36	35	51	48	40	42	39	34	28	36	30	50	45
NCA05	420	Residential	48	43	41	35	38	52	43	30	58	54	49	49	33	27	21	30	24	57	52
NCA05	423	Residential	48	43	41	35	38	46	37	35	52	49	40	43	39	34	28	36	30	51	46
NCA05	427	Residential	48	43	41	35	38	50	41	34	57	53	47	48	39	34	28	36	30	56	51
NCA05	429	Residential	48	43	41	35	37	44	36	35	51	47	38	42	39	34	28	36	30	50	45
NCA05	431	Residential	48	43	41	35	38	45	37	34	52	49	40	43	39	34	28	36	30	51	46
NCA05	434	Residential	48	43	41	35	38	49	40	34	56	52	45	47	38	33	27	36	30	55	50
NCA05	438	Residential	48	43	41	35	38	45	36	34	51	48	39	42	39	34	28	36	30	50	45
NCA05	439	Residential	48	43	41	35	37	44	35	34	50	47	38	41	39	34	28	36	30	49	44
NCA05	440	Residential	48	43	41	35	38	49	39	34	55	51	44	46	38	33	27	35	29	54	49
NCA05	443	Residential	48	43	41	35	38	47	38	34	53	50	42	44	38	33	27	35	29	52	47

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA05	446	Residential	48	43	41	35	37	44	35	34	50	47	38	41	38	33	27	36	30	49	44
NCA05	448	Residential	48	43	41	35	38	48	38	34	54	50	43	45	38	33	27	35	29	53	48
NCA05	450	Residential	48	43	41	35	37	44	36	34	51	48	38	42	38	33	27	35	29	50	45
NCA05	452	Residential	48	43	41	35	37	47	39	34	54	51	44	45	38	33	27	35	29	53	48
NCA05	456	Residential	48	43	41	35	37	46	36	34	52	48	40	43	38	33	27	35	29	51	46
NCA05	460	Residential	48	43	41	35	37	46	37	34	53	49	41	44	38	33	27	35	29	52	47
NCA05	461	Residential	48	43	41	35	37	45	36	34	52	48	39	43	38	33	27	35	29	51	46
NCA05	465	Residential	48	43	41	35	36	42	38	34	52	50	33	43	38	33	27	35	29	51	46
NCA05	469	Residential	48	43	41	35	37	45	37	34	52	49	33	43	38	33	27	35	29	51	46
NCA05	471	Residential	48	43	41	35	35	44	38	34	50	50	31	41	38	33	27	35	29	49	44
NCA05	475	Residential	48	43	41	35	37	44	37	34	52	48	39	43	38	33	27	35	29	51	46
NCA05	481	Residential	48	43	41	35	37	44	37	33	52	49	38	43	38	33	27	35	29	51	46
NCA05	484	Residential	48	43	41	35	37	43	36	33	51	48	37	42	38	33	27	35	29	50	45
NCA05	487	Residential	48	43	41	35	36	44	38	33	53	50	29	44	37	32	26	35	29	52	47
NCA05	490	Residential	48	43	41	35	37	44	40	33	56	48	32	47	37	32	26	35	29	55	50
NCA05	492	Residential	48	43	41	35	37	44	38	33	55	51	33	46	37	32	26	35	29	54	49
NCA05	500	Residential	48	43	41	35	38	43	38	33	54	51	37	45	0	0	0	34	28	53	48
NCA05	503	Residential	48	43	41	35	36	42	40	33	55	52	28	46	0	0	0	0	0	54	49
NCA05	506	Residential	48	43	41	35	37	43	38	33	53	50	37	44	0	0	0	0	0	52	47
NCA05	509	Residential	48	43	41	35	38	43	40	33	56	52	28	47	0	0	0	0	0	55	50
NCA05	511	Residential	48	43	41	35	37	43	38	33	53	50	37	44	0	0	0	0	0	52	47
NCA05	513	Residential	48	43	41	35	37	42	37	33	52	49	36	43	0	0	0	0	0	51	46
NCA05	517	Residential	48	43	41	35	37	42	37	33	52	49	36	43	0	0	0	0	0	51	46
NCA05	519	Residential	48	43	41	35	37	42	36	32	51	48	35	42	0	0	0	0	0	50	45
NCA05	521	Residential	48	43	41	35	38	43	41	32	56	53	28	47	0	0	0	0	0	55	50
NCA05	530	Residential	48	43	41	35	38	43	40	32	55	52	28	46	0	0	0	0	0	54	49
NCA05	533	Residential	48	43	41	35	38	42	39	32	54	51	28	45	0	0	0	0	0	53	48
NCA05	535	Residential	48	43	41	35	38	43	40	32	55	52	28	46	0	0	0	0	0	54	49
NCA05	539	Residential	48	43	41	35	38	42	38	32	53	50	28	44	0	0	0	0	0	52	47
NCA05	544	Residential	48	43	41	35	38	42	39	32	54	50	28	45	0	0	0	0	0	53	48
NCA05	545	Residential	48	43	41	35	37	42	37	32	52	49	34	43	0	0	0	0	0	51	46
NCA05	550	Residential	48	43	41	35	37	41	37	32	51	48	34	42	0	0	0	0	0	50	45
NCA05	553	Residential	48	43	41	35	37	42	36	32	51	48	27	42	0	0	0	0	0	50	45
NCA05	556	Residential	48	43	41	35	35	40	36	32	51	47	26	42	0	0	0	0	0	50	45
NCA05	563	Residential	48	43	41	35	36	39	35	32	50	46	27	41	0	0	0	0	0	49	44
NCA05	574	Residential	48	43	41	35	36	39	36	0	51	47	25	42	0	0	0	0	0	50	45
NCA05	577	Residential	48	43	41	35	35	37	34	0	49	45	23	40	0	0	0	0	0	48	43

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)															
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt	
NCA05	582	Residential	48	43	41	35	36	40	36	0	51	48	25	42	0	0	0	0	0	50	45	
NCA05	598	Residential	48	43	41	35	38	28	39	0	57	54	16	48	0	0	0	0	0	56	51	
NCA05	600	Residential	48	43	41	35	39	27	40	0	56	53	16	47	0	0	0	0	0	55	50	
NCA05	602	Residential	48	43	41	35	39	30	40	0	56	53	17	47	0	0	0	0	0	55	50	
NCA05	606	Residential	48	43	41	35	35	30	37	0	51	48	16	42	0	0	0	0	0	50	45	
NCA05	607	Residential	48	43	41	35	37	26	39	0	55	52	14	46	0	0	0	0	0	54	49	
NCA05	608	Residential	48	43	41	35	36	28	38	0	53	50	16	44	0	0	0	0	0	52	47	
NCA05	609	Residential	48	43	41	35	36	28	38	0	53	50	16	44	0	0	0	0	0	52	47	
NCA05	619	Residential	48	43	41	35	39	36	41	0	57	54	22	48	0	0	0	0	0	56	51	
NCA05	622	Residential	48	43	41	35	34	38	34	0	49	46	22	40	0	0	0	0	0	48	43	
NCA05	623	Residential	48	43	41	35	34	39	34	0	49	46	23	40	0	0	0	0	0	48	43	
NCA05	625	Residential	48	43	41	35	34	39	32	0	47	44	23	38	0	0	0	0	0	46	41	
NCA05	628	Residential	48	43	41	35	40	37	42	0	60	57	22	51	0	0	0	0	0	59	54	
NCA05	629	Residential	48	43	41	35	37	37	39	0	55	52	16	46	0	0	0	0	0	54	49	
NCA05	630	Residential	48	43	41	35	38	25	41	0	57	54	13	48	0	0	0	0	0	56	51	
NCA05	631	Residential	48	43	41	35	38	27	40	0	56	53	14	47	0	0	0	0	0	55	50	
NCA05	641	Residential	48	43	41	35	39	36	43	0	59	56	21	50	0	0	0	0	0	58	53	
NCA05	647	Residential	48	43	41	35	38	23	43	0	59	56	14	50	0	0	0	0	0	58	53	
NCA05	649	Residential	48	43	41	35	37	37	43	0	58	55	21	49	0	0	0	0	0	57	52	
NCA05	650	Residential	48	43	41	35	37	35	40	0	56	53	19	47	0	0	0	0	0	55	50	
NCA05	654	Residential	48	43	41	35	36	35	39	0	55	52	19	46	0	0	0	0	0	54	49	
NCA05	656	Residential	48	43	41	35	36	34	38	0	53	50	19	44	0	0	0	0	0	52	47	
NCA05	657	Residential	48	43	41	35	36	35	39	0	54	51	19	45	0	0	0	0	0	53	48	
NCA06	202	Residential	57	52	50	41	45	59	63	45	67	64	15	58	47	42	36	45	39	66	61	
NCA06	203	Residential	57	52	50	41	44	59	61	45	68	63	15	59	47	42	36	44	38	67	62	
NCA06	204	Residential	57	52	50	41	42	57	54	42	67	62	15	58	46	41	35	43	37	66	61	
NCA06	205	Residential	57	52	50	41	46	60	63	42	69	62	30	60	45	40	34	42	36	68	63	
NCA06	206	Residential	57	52	50	41	40	47	48	45	63	58	14	54	47	42	36	45	39	62	57	
NCA06	207	Residential	57	52	50	41	42	57	51	45	65	61	14	56	47	42	36	45	38	64	59	
NCA06	209	Residential	57	52	50	41	39	47	46	44	60	57	14	51	47	42	36	44	38	59	54	
NCA06	226	Residential	57	52	50	41	45	60	52	44	67	61	18	58	47	42	36	44	38	66	61	
NCA06	227	Residential	57	52	50	41	43	53	52	45	66	61	28	57	48	43	37	45	39	65	60	
NCA06	239	Residential	57	52	50	41	39	53	43	32	58	54	37	49	35	30	24	32	26	57	52	
NCA06	241	Residential	57	52	50	41	46	62	50	43	67	61	24	58	46	41	35	43	37	66	61	
NCA06	246	Residential	57	52	50	41	40	50	42	42	57	54	27	48	46	40	34	43	37	56	51	
NCA06	256	Residential	57	52	50	41	45	60	49	40	65	60	25	56	44	39	33	41	35	64	59	
NCA06	257	Residential	57	52	50	41	41	54	45	40	61	56	35	52	44	38	32	41	35	60	55	

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA06	260	Residential	57	52	50	41	45	61	49	40	64	60	32	55	43	38	32	40	34	63	58
NCA06	261	Residential	57	52	50	41	41	51	43	43	57	54	38	48	46	41	35	43	37	56	51
NCA06	262	Residential	57	52	50	41	46	62	50	40	65	61	37	56	43	38	32	40	34	64	59
NCA06	268	Residential	57	52	50	41	42	50	44	42	59	56	39	50	45	40	34	42	36	58	53
NCA06	272	Residential	57	52	50	41	46	60	50	35	66	62	37	57	39	34	28	36	30	65	60
NCA06	273	Residential	57	52	50	41	42	51	42	40	57	53	37	48	43	38	32	40	34	56	51
NCA06	276	Residential	57	52	50	41	46	60	50	40	66	62	32	57	44	39	33	41	35	65	60
NCA06	284	Residential	57	52	50	41	46	62	50	41	66	62	31	57	44	39	33	42	36	65	60
NCA06	291	Residential	57	52	50	41	41	54	45	26	60	57	41	51	30	25	19	27	21	59	54
NCA06	292	Residential	57	52	50	41	46	62	51	38	67	63	40	58	42	37	31	39	33	66	61
NCA06	294	Residential	57	52	50	41	40	53	43	27	59	55	40	50	30	25	19	27	21	58	53
NCA06	304	Residential	57	52	50	41	46	61	51	32	67	63	41	58	34	29	23	31	25	66	61
NCA06	307	Residential	57	52	50	41	45	59	49	36	64	61	41	55	41	36	30	38	32	63	58
NCA06	310	Residential	57	52	50	41	41	56	46	36	62	58	34	53	41	36	30	38	32	61	56
NCA06	314	Residential	57	52	50	41	43	55	46	23	62	58	43	53	26	21	15	23	17	61	56
NCA06	318	Residential	57	52	50	41	47	61	51	32	67	63	40	58	32	26	20	28	22	66	61
NCA06	321	Residential	57	52	50	41	48	63	52	34	68	63	37	59	40	35	29	37	31	67	62
NCA06	324	Residential	57	52	50	41	43	55	46	22	62	58	44	53	25	20	14	22	16	61	56
NCA06	329	Residential	57	52	50	41	48	61	51	37	67	63	45	58	41	36	30	38	32	66	61
NCA06	334	Residential	57	52	50	41	43	55	46	23	61	58	46	52	28	23	17	25	19	60	55
NCA06	350	Residential	57	52	50	41	49	64	54	36	69	65	50	60	40	35	29	37	31	68	63
NCA06	357	Residential	57	52	50	41	44	55	46	36	62	58	49	53	40	35	29	37	31	61	56
NCA06	358	Residential	57	52	50	41	49	64	54	26	69	64	55	60	29	24	18	26	20	68	63
NCA06	367	Residential	57	52	50	41	43	56	47	38	63	59	49	54	42	37	31	39	33	62	57
NCA06	369	Residential	57	52	50	41	47	62	52	20	69	63	59	60	24	19	13	21	15	68	63
NCA06	376	Residential	57	52	50	41	43	57	48	38	64	60	46	55	42	37	31	39	33	63	58
NCA06	377	Residential	57	52	50	41	46	62	52	32	68	64	59	59	37	31	25	34	28	67	62
NCA06	393	Residential	57	52	50	41	46	60	50	22	66	62	65	57	27	22	16	24	18	65	60
NCA06	399	Residential	57	52	50	41	41	54	47	32	62	59	57	53	28	23	17	25	19	61	56
NCA06	404	Residential	57	52	50	41	42	53	48	29	63	60	54	54	34	29	23	31	25	62	57
NCA06	411	Residential	57	52	50	41	45	55	51	31	66	63	54	57	36	31	25	33	27	65	60
NCA06	422	Residential	57	52	50	41	44	56	50	35	65	61	44	56	39	33	27	36	29	64	59
NCA06	425	Residential	57	52	50	41	44	56	51	37	66	62	51	57	41	36	30	38	32	65	60
NCA06	432	Residential	57	52	50	41	38	50	41	37	56	52	49	47	41	36	30	38	32	55	50
NCA06	433	Residential	57	52	50	41	44	53	50	26	64	61	34	55	32	26	20	29	23	63	58
NCA06	437	Residential	57	52	50	41	39	49	42	37	58	54	47	49	41	36	30	38	32	57	52
NCA06	444	Residential	57	52	50	41	39	49	41	38	56	53	45	47	42	37	31	39	33	55	50

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA06	445	Residential	57	52	50	41	46	50	52	22	66	63	38	57	28	22	16	24	18	65	60
NCA06	451	Residential	57	52	50	41	40	49	49	33	62	60	36	53	38	33	27	35	29	61	56
NCA06	453	Residential	57	52	50	41	46	50	52	27	66	63	35	57	27	22	16	24	18	65	60
NCA06	457	Residential	57	52	50	41	38	35	45	18	55	56	28	46	22	17	11	19	13	54	49
NCA06	462	Residential	57	52	50	41	47	46	52	21	66	63	34	57	27	21	15	26	17	65	60
NCA06	464	Residential	57	52	50	41	39	42	41	29	57	53	34	48	34	29	23	31	25	56	51
NCA06	467	Residential	57	52	50	41	47	49	53	22	67	63	34	58	27	23	17	28	18	66	61
NCA06	472	Residential	57	52	50	41	41	43	47	21	59	54	31	50	26	21	15	23	17	58	53
NCA06	476	Residential	57	52	50	41	47	48	53	23	67	63	31	58	30	23	17	25	19	66	61
NCA06	479	Residential	57	52	50	41	42	48	44	25	60	57	36	51	28	23	17	25	19	59	54
NCA06	485	Residential	57	52	50	41	41	49	46	31	60	56	31	51	36	31	25	33	27	59	54
NCA06	486	Residential	57	52	50	41	47	47	53	23	67	64	29	58	0	0	0	25	19	66	61
NCA06	496	Residential	57	52	50	41	41	48	47	20	62	59	29	53	0	0	0	0	0	61	56
NCA06	497	Residential	57	52	50	41	47	46	53	23	68	64	29	59	0	0	0	0	0	67	62
NCA06	507	Residential	57	52	50	41	46	37	53	23	68	64	25	59	0	0	0	0	0	67	62
NCA06	508	Residential	57	52	50	41	40	46	46	26	59	55	29	50	0	0	0	0	0	58	53
NCA06	514	Residential	57	52	50	41	39	42	44	33	59	56	28	50	0	0	0	0	0	58	53
NCA06	518	Residential	57	52	50	41	47	46	53	30	68	64	29	59	0	0	0	0	0	67	62
NCA06	531	Residential	57	52	50	41	48	44	54	32	68	64	29	59	0	0	0	0	0	67	62
NCA06	532	Residential	57	52	50	41	43	46	47	32	62	58	34	53	0	0	0	0	0	61	56
NCA06	536	Residential	57	52	50	41	47	39	52	29	66	63	25	57	0	0	0	0	0	65	60
NCA06	537	Residential	57	52	50	41	42	45	45	25	60	56	34	51	0	0	0	0	0	59	54
NCA06	547	Residential	57	52	50	41	42	45	43	27	57	54	33	48	0	0	0	0	0	56	51
NCA06	548	Residential	57	52	50	41	46	45	50	31	64	60	27	55	0	0	0	0	0	63	58
NCA06	554	Residential	57	52	50	41	47	43	49	28	63	60	27	54	0	0	0	0	0	62	57
NCA06	558	Residential	57	52	50	41	40	44	41	32	56	53	33	47	0	0	0	0	0	55	50
NCA06	560	Residential	57	52	50	41	47	42	48	31	62	59	29	53	0	0	0	0	0	61	56
NCA06	566	Residential	57	52	50	41	40	39	42	22	56	53	26	47	0	0	0	0	0	55	50
NCA06	571	Residential	57	52	50	41	46	42	46	0	60	57	30	51	0	0	0	0	0	59	54
NCA06	572	Residential	57	52	50	41	41	44	44	0	58	55	32	49	0	0	0	0	0	57	52
NCA06	576	Residential	57	52	50	41	40	44	43	0	57	54	32	48	0	0	0	0	0	56	51
NCA06	580	Residential	57	52	50	41	39	42	41	0	54	53	28	45	0	0	0	0	0	53	48
NCA06	593	Residential	57	52	50	41	43	24	42	0	60	57	15	51	0	0	0	0	0	59	54
NCA06	594	Residential	57	52	50	41	42	25	42	0	61	58	15	52	0	0	0	0	0	60	55
NCA06	595	Residential	57	52	50	41	41	25	41	0	59	56	15	50	0	0	0	0	0	58	53
NCA06	597	Residential	57	52	50	41	39	24	40	0	59	56	14	50	0	0	0	0	0	58	53
NCA06	611	Residential	57	52	50	41	41	42	41	0	55	52	24	46	0	0	0	0	0	54	49

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA06	613	Residential	57	52	50	41	39	40	34	0	50	47	25	41	0	0	0	0	0	49	44
NCA06	615	Residential	57	52	50	41	52	39	46	0	77	74	28	68	0	0	0	0	0	76	71
NCA06	616	Residential	57	52	50	41	35	39	34	0	48	45	24	39	0	0	0	0	0	47	42
NCA06	627	Residential	57	52	50	41	55	38	49	0	83	80	21	74	0	0	0	0	0	82	77
NCA06	632	Residential	57	52	50	41	43	30	44	0	68	65	17	59	0	0	0	0	0	67	62
NCA06	636	Residential	57	52	50	41	56	38	55	0	83	80	22	74	0	0	0	0	0	82	77
NCA06	637	Residential	57	52	50	41	43	35	44	0	68	65	22	59	0	0	0	0	0	67	62
NCA06	642	Residential	57	52	50	41	56	38	58	0	83	80	20	74	0	0	0	0	0	82	77
NCA06	643	Residential	57	52	50	41	44	31	48	0	68	65	18	59	0	0	0	0	0	67	62
NCA06	648	Residential	57	52	50	41	56	38	63	0	83	80	19	74	0	0	0	0	0	82	77
NCA06	651	Residential	57	52	50	41	44	37	50	0	66	63	21	57	0	0	0	0	0	65	60
NCA06	653	Residential	57	52	50	41	56	38	65	0	84	81	23	75	0	0	0	0	0	83	78
NCA06	668	School	55	55	55	55	44	39	49	0	65	62	25	56	0	0	0	0	0	64	59
NCA06	698	School	55	55	55	55	44	38	48	0	64	61	27	55	0	0	0	0	0	63	58
NCA07	158	Industrial	70	70	70	70	42	53	46	45	62	59	16	53	47	42	36	44	38	61	56
NCA07	160	Industrial	70	70	70	70	43	53	47	45	63	60	15	54	48	43	37	45	39	62	57
NCA07	162	Industrial	70	70	70	70	42	50	45	45	61	58	15	52	47	42	36	45	39	60	55
NCA07	163	Industrial	70	70	70	70	44	54	49	45	66	63	14	57	48	43	37	45	39	65	60
NCA07	164	Industrial	70	70	70	70	45	50	52	46	69	66	15	60	48	43	37	45	39	68	63
NCA07	174	Residential	60	55	54	44	54	62	60	44	81	78	30	72	47	42	36	44	38	80	75
NCA07	185	Residential	60	55	54	44	53	63	60	40	80	77	35	71	43	38	32	40	34	79	74
NCA07	192	Residential	60	55	54	44	53	63	59	40	80	77	34	71	40	35	29	37	31	79	74
NCA07	198	Residential	60	55	54	44	39	54	46	42	60	57	25	51	44	39	33	41	34	59	54
NCA07	200	Residential	60	55	54	44	43	57	49	41	67	64	25	58	44	39	33	41	35	66	61
NCA07	201	Residential	60	55	54	44	52	63	58	37	78	75	32	69	39	34	28	36	30	77	72
NCA07	210	Residential	60	55	54	44	41	48	45	43	61	58	15	52	46	41	35	43	37	60	55
NCA07	214	Residential	60	55	54	44	42	48	47	43	65	62	15	56	46	41	35	43	37	64	59
NCA07	215	Residential	60	55	54	44	52	63	58	43	78	75	23	69	47	42	36	44	38	77	72
NCA07	219	Residential	60	55	54	44	45	60	53	41	73	70	24	64	46	41	35	43	37	72	67
NCA07	222	Residential	60	55	54	44	43	50	49	41	66	63	36	57	44	39	33	41	35	65	60
NCA07	229	Residential	60	55	54	44	53	64	59	41	79	76	36	70	44	39	33	41	35	78	73
NCA07	233	Residential	60	55	54	44	51	62	58	41	77	74	39	68	43	38	32	40	34	76	71
NCA07	237	Residential	60	55	54	44	46	56	51	42	67	64	38	58	46	41	35	43	37	66	61
NCA07	238	Residential	60	55	54	44	38	52	44	31	60	57	27	51	35	30	24	32	26	59	54
NCA07	242	Residential	60	55	54	44	42	54	47	37	62	59	37	53	40	35	29	37	31	61	56
NCA07	243	Residential	60	55	54	44	42	55	47	28	63	60	38	54	32	27	21	29	22	62	57
NCA07	250	Residential	60	55	54	44	52	64	60	40	80	77	39	71	43	38	32	40	34	79	74

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA07	258	Residential	60	55	54	44	39	50	44	41	58	55	18	49	45	40	34	42	36	57	52
NCA07	264	Residential	60	55	54	44	48	60	53	41	69	66	39	60	45	40	34	42	36	68	63
NCA07	269	Residential	60	55	54	44	44	55	48	38	64	61	39	55	33	29	23	31	25	63	58
NCA07	281	Residential	60	55	54	44	40	50	42	26	58	55	30	49	28	23	17	26	19	57	52
NCA07	287	Church	55	55	55	55	46	57	50	40	66	63	38	57	44	39	33	41	35	65	60
NCA07	312	Residential	60	55	54	44	44	55	47	36	63	60	41	54	40	35	29	37	31	62	57
NCA07	317	Commercial	70	70	70	70	54	68	62	37	82	79	45	73	41	36	30	38	32	81	76
NCA07	341	Residential	60	55	54	44	48	60	53	35	70	67	41	61	38	33	27	35	29	69	64
NCA07	345	Residential	60	55	54	44	48	60	52	29	69	66	41	60	34	29	23	31	25	68	63
NCA07	352	Residential	60	55	54	44	47	59	51	32	68	65	41	59	38	25	19	28	21	67	62
NCA07	359	Residential	60	55	54	44	46	58	50	28	67	64	41	58	34	28	22	30	24	66	61
NCA07	363	Residential	60	55	54	44	44	56	50	30	66	63	40	57	35	31	25	32	26	65	60
NCA07	368	Residential	60	55	54	44	43	56	48	30	64	61	40	55	34	29	23	33	27	63	58
NCA07	378	Residential	60	55	54	44	41	55	47	25	63	60	36	54	33	30	24	32	26	62	57
NCA07	384	Residential	60	55	54	44	46	58	52	37	69	66	42	60	41	36	30	39	33	68	63
NCA07	390	Residential	60	55	54	44	40	52	43	37	59	56	35	50	41	36	30	38	32	58	53
NCA07	391	Residential	60	55	54	44	51	63	59	37	78	75	45	69	41	36	30	38	32	77	72
NCA07	395	Residential	60	55	54	44	39	53	46	32	62	59	39	53	37	32	26	34	28	61	56
NCA07	396	Residential	60	55	54	44	51	61	59	37	78	75	47	69	41	36	30	38	32	77	72
NCA07	402	Residential	60	55	54	44	43	54	47	39	63	60	35	54	43	38	32	40	34	62	57
NCA07	405	Residential	60	55	54	44	42	52	48	37	63	60	44	54	41	36	30	38	32	62	57
NCA07	406	Residential	60	55	54	44	38	51	42	32	58	55	36	49	39	34	28	36	30	57	52
NCA07	410	Residential	60	55	54	44	50	58	58	38	75	72	47	66	42	36	30	38	32	74	69
NCA07	413	Residential	60	55	54	44	37	46	38	34	61	58	34	52	38	33	27	35	29	60	55
NCA07	414	Residential	60	55	54	44	39	50	42	36	56	54	33	47	40	35	29	37	31	55	50
NCA07	416	Residential	60	55	54	44	42	53	45	38	61	58	34	52	42	37	31	39	33	60	55
NCA07	419	Residential	60	55	54	44	52	58	59	37	77	74	47	68	41	36	30	38	32	76	71
NCA07	421	Residential	60	55	54	44	36	47	44	32	57	53	36	48	29	23	17	25	19	56	51
NCA07	424	Residential	60	55	54	44	41	52	43	37	59	56	35	50	42	37	31	39	33	58	53
NCA07	426	Residential	60	55	54	44	38	49	41	36	57	54	31	48	40	35	29	37	31	56	51
NCA07	428	Residential	60	55	54	44	38	47	42	36	56	53	34	47	40	35	29	37	31	55	50
NCA07	435	Residential	60	55	54	44	37	47	38	36	54	51	29	45	40	35	29	37	31	53	48
NCA07	436	Residential	60	55	54	44	50	58	57	38	74	71	48	65	42	37	31	39	33	73	68
NCA07	441	Residential	60	55	54	44	53	55	61	36	79	76	46	70	41	36	30	38	32	78	73
NCA07	447	Residential	60	55	54	44	42	49	48	36	64	61	35	55	40	35	29	37	31	63	58
NCA07	449	Residential	60	55	54	44	37	44	44	32	56	56	38	47	34	29	23	31	25	55	50
NCA07	454	Residential	60	55	54	44	53	53	62	36	77	74	45	68	40	35	29	37	31	76	71

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA07	455	Residential	60	55	54	44	44	47	50	36	65	62	35	56	40	35	29	37	31	64	59
NCA07	459	Residential	60	55	54	44	37	41	37	35	51	49	31	42	0	0	0	37	31	50	45
NCA07	466	Residential	60	55	54	44	38	42	40	35	54	51	29	45	0	0	0	0	0	53	48
NCA07	468	Residential	60	55	54	44	46	47	53	36	68	65	38	59	0	0	0	37	31	67	62
NCA07	473	Residential	60	55	54	44	38	41	40	35	55	52	30	46	0	0	0	0	0	54	49
NCA07	480	Residential	60	55	54	44	50	47	57	33	73	70	42	64	0	0	0	0	0	72	67
NCA07	488	Residential	60	55	54	44	44	40	50	34	66	63	20	57	0	0	0	0	0	65	60
NCA07	493	Residential	60	55	54	44	44	28	49	16	65	62	29	56	0	0	0	0	0	64	59
NCA08	159	Industrial	70	70	70	70	35	43	36	38	50	47	23	41	41	35	29	37	31	49	44
NCA08	161	Industrial	70	70	70	70	35	44	35	38	51	48	20	42	40	35	29	37	31	50	45
NCA08	165	Industrial	70	70	70	70	37	45	38	40	53	50	21	44	43	38	32	40	34	52	47
NCA08	166	Industrial	70	70	70	70	37	45	37	39	53	50	21	44	43	38	32	40	34	52	47
NCA08	168	Industrial	70	70	70	70	37	47	39	40	55	52	21	46	44	38	32	41	35	54	49
NCA08	169	Industrial	70	70	70	70	37	45	39	40	54	51	20	45	43	38	32	41	34	53	48
NCA08	171	Residential	52	47	47	42	36	51	44	25	60	57	24	51	30	21	15	25	19	59	54
NCA08	172	Residential	52	47	47	42	37	48	40	40	56	53	21	47	44	39	33	41	35	55	50
NCA08	176	Residential	52	47	47	42	35	43	34	38	49	46	22	40	41	36	30	38	32	48	43
NCA08	177	Residential	52	47	47	42	36	48	41	37	57	54	19	48	45	38	32	42	36	56	51
NCA08	180	Residential	52	47	47	42	35	42	35	38	50	47	24	41	42	37	31	39	33	49	44
NCA08	184	Residential	52	47	47	42	36	41	36	39	51	48	24	42	43	38	32	40	34	50	45
NCA08	186	Residential	52	47	47	42	36	41	37	39	52	49	21	43	43	38	32	40	34	51	46
NCA08	189	Residential	52	47	47	42	36	45	37	39	53	50	21	44	43	38	32	40	34	52	47
NCA08	190	Residential	52	47	47	42	37	46	39	40	54	51	22	45	43	38	32	40	34	53	48
NCA08	191	Residential	52	47	47	42	37	44	39	40	54	51	20	45	43	38	32	40	34	53	48
NCA08	193	Residential	52	47	47	42	36	43	35	38	51	48	24	42	42	37	31	39	33	50	45
NCA08	194	Residential	52	47	47	42	36	43	36	38	51	48	21	42	42	37	31	39	33	50	45
NCA08	196	Residential	52	47	47	42	35	37	38	40	53	50	18	44	43	38	32	41	35	52	47
NCA08	197	Residential	52	47	47	42	37	43	38	40	53	50	22	44	43	38	32	40	34	52	47
NCA08	199	Residential	52	47	47	42	40	48	45	43	61	58	23	52	46	41	35	43	37	60	55
NCA08	220	Residential	52	47	47	42	36	43	37	38	52	49	22	43	42	37	31	39	33	51	46
NCA08	221	Residential	52	47	47	42	34	43	33	37	49	46	23	40	41	36	30	38	32	48	43
NCA08	223	Residential	52	47	47	42	35	44	34	37	50	47	22	41	41	37	31	39	32	49	44
NCA08	224	Residential	52	47	47	42	36	44	35	38	50	47	23	41	42	37	31	39	33	49	44
NCA08	225	Residential	52	47	47	42	35	43	34	37	49	46	23	40	41	36	30	38	32	48	43
NCA08	228	Residential	52	47	47	42	36	45	35	38	51	48	24	42	42	37	31	39	33	50	45
NCA08	230	Residential	52	47	47	42	37	48	39	39	55	52	23	46	42	38	32	39	34	54	49
NCA08	232	Residential	52	47	47	42	36	47	38	39	54	51	22	45	42	37	31	39	33	53	48

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA08	245	Residential	52	47	47	42	35	44	35	37	51	48	22	42	41	36	30	38	32	50	45
NCA08	248	Residential	52	47	47	42	36	45	36	37	51	48	23	42	41	36	30	38	32	50	45
NCA08	249	Residential	52	47	47	42	36	46	37	38	52	49	25	43	42	36	30	39	33	51	46
NCA08	251	Residential	52	47	47	42	34	42	32	36	48	45	23	39	41	35	29	38	32	47	42
NCA08	253	Residential	52	47	47	42	36	46	38	38	53	50	25	44	42	37	31	39	33	52	47
NCA08	254	Residential	52	47	47	42	38	47	39	41	55	52	20	46	44	39	33	41	35	54	49
NCA08	255	Residential	52	47	47	42	38	48	40	41	56	53	21	47	44	39	33	41	35	55	50
NCA08	270	Residential	52	47	47	42	39	53	45	36	60	57	29	51	27	22	16	24	18	59	54
NCA08	275	Residential	52	47	47	42	33	42	34	36	49	46	23	40	40	35	29	37	31	48	43
NCA08	277	Residential	52	47	47	42	33	42	34	36	49	46	23	40	40	35	29	37	31	48	43
NCA08	278	Residential	52	47	47	42	34	42	34	36	49	46	24	40	40	35	29	37	31	48	43
NCA08	279	Residential	52	47	47	42	34	44	35	36	51	48	25	42	40	35	29	37	31	50	45
NCA08	280	Residential	52	47	47	42	41	50	43	40	58	55	38	49	43	38	32	40	34	57	52
NCA08	282	Residential	52	47	47	42	35	45	37	36	52	49	26	43	40	35	29	38	31	51	46
NCA08	283	Residential	52	47	47	42	35	46	38	36	54	51	26	45	41	35	29	38	32	53	48
NCA08	286	Residential	52	47	47	42	36	48	40	37	55	52	27	46	41	36	30	38	32	54	49
NCA08	289	Residential	52	47	47	42	37	49	41	25	56	53	32	47	27	22	16	25	18	55	50
NCA08	290	Residential	52	47	47	42	34	42	34	35	49	46	24	40	40	35	29	37	31	48	43
NCA08	293	Residential	52	47	47	42	34	43	35	35	50	47	25	41	39	34	28	37	31	49	44
NCA08	296	Residential	52	47	47	42	34	43	35	35	50	47	25	41	40	35	29	37	31	49	44
NCA08	297	Residential	52	47	47	42	34	44	36	36	52	49	24	43	40	35	29	37	31	51	46
NCA08	298	Residential	52	47	47	42	34	44	35	35	51	48	24	42	40	35	29	37	31	50	45
NCA08	299	Residential	52	47	47	42	34	44	36	36	52	49	24	43	40	35	29	37	31	51	46
NCA08	300	Residential	52	47	47	42	35	47	39	35	54	51	26	45	40	35	29	37	31	53	48
NCA08	301	Residential	52	47	47	42	34	45	37	36	52	50	25	43	40	35	29	37	31	51	46
NCA08	302	Residential	52	47	47	42	36	48	40	35	55	52	27	46	39	34	28	36	30	54	49
NCA08	303	Residential	52	47	47	42	34	46	38	36	53	50	25	44	40	35	29	37	31	52	47
NCA08	305	Residential	52	47	47	42	40	52	45	39	61	58	23	52	43	38	32	40	34	60	55
NCA08	320	Residential	52	47	47	42	44	55	47	32	63	60	39	54	34	29	23	31	25	62	57
NCA08	323	Residential	52	47	47	42	38	48	39	36	55	52	34	46	40	35	29	37	31	54	49
NCA08	326	Residential	52	47	47	42	35	43	34	35	50	47	28	41	39	34	28	36	30	49	44
NCA08	327	Residential	52	47	47	42	43	53	46	33	62	59	37	53	37	32	26	35	28	61	56
NCA08	330	Residential	52	47	47	42	36	45	36	35	52	49	30	43	39	34	28	36	30	51	46
NCA08	332	Residential	52	47	47	42	38	49	41	36	57	54	36	48	40	35	29	37	31	56	51
NCA08	336	Residential	52	47	47	42	38	47	38	35	54	51	34	45	39	34	28	37	30	53	48
NCA08	337	Residential	52	47	47	42	37	46	37	35	52	49	33	43	39	34	28	36	30	51	46
NCA08	338	Residential	52	47	47	42	37	46	37	35	53	50	34	44	39	34	28	36	30	52	47

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA08	342	Residential	52	47	47	42	40	50	43	35	59	56	35	50	38	33	27	35	29	58	53
NCA08	343	Residential	52	47	47	42	35	43	35	34	50	47	29	41	39	34	28	36	30	49	44
NCA08	347	Residential	52	47	47	42	36	44	36	34	51	48	32	42	39	34	28	36	30	50	45
NCA08	348	Residential	52	47	47	42	36	45	36	34	51	48	32	42	39	34	28	36	30	50	45
NCA08	349	Residential	52	47	47	42	37	46	37	35	53	50	34	44	39	34	28	36	30	52	47
NCA08	351	Residential	52	47	47	42	38	46	38	35	54	51	35	45	39	34	28	36	30	53	48
NCA08	353	Residential	52	47	47	42	39	49	40	35	56	53	36	47	39	34	28	36	30	55	50
NCA08	364	Residential	52	47	47	42	39	49	41	35	57	54	36	48	39	34	28	36	30	56	51
NCA08	366	Residential	52	47	47	42	36	45	36	34	52	49	34	43	39	33	27	36	30	51	46
NCA08	370	Residential	52	47	47	42	35	45	37	34	52	49	27	43	39	33	27	36	30	51	46
NCA08	372	Residential	52	47	47	42	34	43	34	33	50	47	25	41	38	33	27	35	29	49	44
NCA08	374	Residential	52	47	47	42	38	48	40	34	56	53	36	47	39	34	28	36	30	55	50
NCA08	380	Residential	52	47	47	42	35	44	35	34	50	47	26	41	38	33	27	35	29	49	44
NCA08	381	Residential	52	47	47	42	39	48	39	37	55	52	34	46	41	35	29	38	31	54	49
NCA08	385	Residential	52	47	47	42	39	48	41	37	57	54	36	48	41	36	30	38	32	56	51
NCA08	389	Residential	52	47	47	42	37	48	40	34	55	52	32	46	38	33	27	35	29	54	49
NCA08	397	Residential	52	47	47	42	38	48	40	33	56	53	33	47	38	33	27	35	29	55	50
NCA09	417	Residential	57	52	50	41	37	47	38	36	54	51	33	45	40	35	29	37	31	53	48
NCA09	430	Residential	57	52	50	41	37	46	38	34	54	51	30	45	0	0	0	0	0	53	48
NCA09	442	Commercial	70	70	70	70	37	47	38	35	54	51	30	45	0	0	0	0	0	53	48
NCA09	458	Residential	57	52	50	41	36	41	33	33	49	46	27	40	0	0	0	0	0	48	43
NCA09	474	Residential	57	52	50	41	39	48	42	35	57	54	33	48	0	0	0	0	0	56	51
NCA09	482	Residential	57	52	50	41	39	42	43	35	58	55	30	49	0	0	0	0	0	57	52
NCA09	495	Residential	57	52	50	41	41	38	45	34	60	57	29	51	0	0	0	0	0	59	54
NCA09	501	Residential	57	52	50	41	41	38	45	34	61	58	28	52	0	0	0	0	0	60	55
NCA09	512	Residential	57	52	50	41	42	38	46	34	62	59	32	53	0	0	0	0	0	61	56
NCA09	516	Residential	57	52	50	41	44	40	47	34	63	60	33	54	0	0	0	0	0	62	57
NCA09	520	Residential	57	52	50	41	44	40	48	34	63	60	37	54	0	0	0	0	0	62	57
NCA09	528	Residential	57	52	50	41	45	43	48	37	64	61	40	55	0	0	0	0	0	63	58
NCA09	529	Residential	57	52	50	41	38	34	41	31	56	53	25	47	0	0	0	0	0	55	50
NCA09	534	Residential	57	52	50	41	46	43	49	34	65	62	38	56	0	0	0	0	0	64	59
NCA09	538	Residential	57	52	50	41	38	33	41	31	55	51	25	46	0	0	0	0	0	54	49
NCA09	549	Residential	57	52	50	41	41	32	46	0	61	58	27	52	0	0	0	0	0	60	55
NCA09	551	Residential	57	52	50	41	47	45	50	34	65	62	40	56	0	0	0	0	0	64	59
NCA09	552	Residential	57	52	50	41	37	34	40	0	53	50	26	44	0	0	0	0	0	52	47
NCA09	555	Residential	57	52	50	41	47	47	48	0	63	60	38	54	0	0	0	0	0	62	57
NCA09	557	Residential	57	52	50	41	36	35	34	0	49	46	25	40	0	0	0	0	0	48	43

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)															
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt	
NCA09	559	Residential	57	52	50	41	40	37	41	0	57	54	35	48	0	0	0	0	0	56	51	
NCA09	561	Residential	57	52	50	41	49	44	47	0	62	59	37	53	0	0	0	0	0	61	56	
NCA09	567	Residential	57	52	50	41	50	42	47	0	61	58	36	52	0	0	0	0	0	60	55	
NCA09	568	Residential	57	52	50	41	41	42	39	0	57	54	28	48	0	0	0	0	0	56	51	
NCA09	573	Residential	57	52	50	41	49	42	46	0	61	58	36	52	0	0	0	0	0	60	55	
NCA09	575	Residential	57	52	50	41	41	40	43	0	58	55	28	49	0	0	0	0	0	57	52	
NCA09	578	Residential	57	52	50	41	48	41	45	0	61	58	33	52	0	0	0	0	0	60	55	
NCA09	581	Residential	57	52	50	41	41	35	42	0	57	54	25	48	0	0	0	0	0	56	51	
NCA09	584	Residential	57	52	50	41	47	41	45	0	62	59	34	53	0	0	0	0	0	61	56	
NCA09	587	Residential	57	52	50	41	40	40	41	0	56	53	26	47	0	0	0	0	0	55	50	
NCA09	589	Residential	57	52	50	41	46	40	41	0	61	58	32	52	0	0	0	0	0	60	55	
NCA09	590	Residential	57	52	50	41	40	23	40	0	57	54	17	48	0	0	0	0	0	56	51	
NCA09	601	Residential	57	52	50	41	41	39	41	0	56	53	25	47	0	0	0	0	0	55	50	
NCA09	603	Residential	57	52	50	41	50	40	44	0	68	65	30	59	0	0	0	0	0	67	62	
NCA09	604	Residential	57	52	50	41	42	39	39	0	56	53	28	47	0	0	0	0	0	55	50	
NCA09	612	Residential	57	52	50	41	51	39	46	0	69	66	30	60	0	0	0	0	0	68	63	
NCA09	614	Residential	57	52	50	41	42	39	42	0	58	55	27	49	0	0	0	0	0	57	52	
NCA09	618	Educational	55	55	55	55	53	39	46	0	70	67	29	61	0	0	0	0	0	69	64	
NCA09	621	Residential	57	52	50	41	41	38	42	0	57	54	27	48	0	0	0	0	0	56	51	
NCA09	626	Residential	57	52	50	41	54	39	50	0	72	69	28	63	0	0	0	0	0	71	66	
NCA09	633	Residential	57	52	50	41	54	39	51	0	71	68	28	62	0	0	0	0	0	70	65	
NCA09	634	Residential	57	52	50	41	42	38	43	0	62	59	25	53	0	0	0	0	0	61	56	
NCA09	638	Residential	57	52	50	41	54	38	54	0	72	69	28	63	0	0	0	0	0	71	66	
NCA09	639	Residential	57	52	50	41	42	37	44	0	63	60	23	54	0	0	0	0	0	62	57	
NCA09	644	Residential	57	52	50	41	55	38	57	0	72	69	27	63	0	0	0	0	0	71	66	
NCA09	646	Residential	57	52	50	41	43	37	49	0	63	60	23	54	0	0	0	0	0	62	57	
NCA09	652	Residential	57	52	50	41	54	36	58	0	72	69	22	63	0	0	0	0	0	71	66	
NCA09	658	Residential	57	52	50	41	40	37	44	0	61	58	23	52	0	0	0	0	0	60	55	
NCA09	659	Residential	57	52	50	41	45	39	54	0	68	65	23	59	0	0	0	0	0	67	62	
NCA09	661	Residential	57	52	50	41	54	37	60	0	72	69	27	63	0	0	0	0	0	71	66	
NCA09	665	Residential	57	52	50	41	43	37	50	0	64	61	25	55	0	0	0	0	0	63	58	
NCA09	666	Residential	57	52	50	41	42	34	50	0	64	61	24	55	0	0	0	0	0	63	58	
NCA09	672	Residential	57	52	50	41	43	38	48	0	62	59	28	53	0	0	0	0	0	61	56	
NCA09	675	Residential	57	52	50	41	43	36	49	0	63	60	24	54	0	0	0	0	0	62	57	
NCA09	680	Childcare	55	55	55	55	55	37	63	0	73	70	27	64	0	0	0	0	0	72	67	
NCA09	684	Residential	57	52	50	41	54	35	62	0	72	69	18	63	0	0	0	0	0	71	66	
NCA09	685	Residential	57	52	50	41	44	33	50	0	64	61	24	55	0	0	0	0	0	63	58	

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA09	689	Residential	57	52	50	41	44	24	51	0	65	62	14	56	0	0	0	0	0	64	59
NCA09	691	Residential	57	52	50	41	55	29	62	0	74	71	13	65	0	0	0	0	0	73	68
NCA09	693	Residential	57	52	50	41	43	22	50	0	64	61	14	55	0	0	0	0	0	63	58
NCA09	702	Residential	57	52	50	41	42	28	49	0	63	60	17	54	0	0	0	0	0	62	57
NCA09	703	Residential	57	52	50	41	52	35	58	0	71	68	19	62	0	0	0	0	0	70	65
NCA09	707	Residential	57	52	50	41	43	24	49	0	63	60	16	54	0	0	0	0	0	62	57
NCA09	711	Residential	57	52	50	41	55	23	61	0	73	70	13	64	0	0	0	0	0	72	67
NCA09	714	Residential	57	52	50	41	43	18	51	0	64	61	9	55	0	0	0	0	0	63	58
NCA09	720	Residential	57	52	50	41	55	23	61	0	73	70	13	64	0	0	0	0	0	72	67
NCA10	463	Residential	52	47	47	42	34	41	33	32	48	45	23	39	0	0	0	0	0	47	42
NCA10	470	Residential	52	47	47	42	35	41	33	32	48	45	24	39	0	0	0	0	0	47	42
NCA10	477	Residential	52	47	47	42	34	40	31	32	46	43	23	37	0	0	0	0	0	45	40
NCA10	478	Residential	52	47	47	42	36	42	34	32	50	46	33	41	0	0	0	0	0	49	44
NCA10	483	Residential	52	47	47	42	35	40	32	32	47	44	25	38	0	0	0	0	0	46	41
NCA10	489	Residential	52	47	47	42	36	41	35	32	50	47	25	41	0	0	0	0	0	49	44
NCA10	491	Residential	52	47	47	42	35	39	32	32	48	45	31	39	0	0	0	0	0	47	42
NCA10	494	Residential	52	47	47	42	35	39	32	31	46	43	24	37	0	0	0	0	0	45	40
NCA10	498	Residential	52	47	47	42	36	40	33	32	48	45	30	39	0	0	0	0	0	47	42
NCA10	499	Residential	52	47	47	42	37	42	36	32	50	47	25	41	0	0	0	0	0	49	44
NCA10	502	Residential	52	47	47	42	37	38	35	32	50	47	27	41	0	0	0	0	0	49	44
NCA10	504	Residential	52	47	47	42	36	34	35	32	51	48	25	42	0	0	0	0	0	50	45
NCA10	505	Residential	52	47	47	42	35	38	33	0	48	45	27	39	0	0	0	0	0	47	42
NCA10	510	Residential	52	47	47	42	36	40	37	32	51	48	25	42	0	0	0	0	0	50	45
NCA10	515	Residential	52	47	47	42	37	34	40	31	55	52	24	46	0	0	0	0	0	54	49
NCA10	522	Residential	52	47	47	42	35	37	34	0	50	47	24	41	0	0	0	0	0	49	44
NCA10	523	Residential	52	47	47	42	36	39	36	0	51	48	24	42	0	0	0	0	0	50	45
NCA10	524	Residential	52	47	47	42	36	37	35	0	50	47	23	41	0	0	0	0	0	49	44
NCA10	525	Residential	52	47	47	42	37	36	38	0	52	49	25	43	0	0	0	0	0	51	46
NCA10	526	Residential	52	47	47	42	37	39	36	0	52	49	25	43	0	0	0	0	0	51	46
NCA10	527	Residential	52	47	47	42	37	37	37	0	52	49	25	43	0	0	0	0	0	51	46
NCA10	540	Residential	52	47	47	42	37	37	37	0	51	48	24	42	0	0	0	0	0	50	45
NCA10	541	Residential	52	47	47	42	36	37	36	0	51	48	24	42	0	0	0	0	0	50	45
NCA10	542	Residential	52	47	47	42	37	37	37	0	52	48	25	43	0	0	0	0	0	51	46
NCA10	543	Residential	52	47	47	42	38	37	38	0	53	50	26	44	0	0	0	0	0	52	47
NCA10	546	Residential	52	47	47	42	38	38	40	0	54	51	27	45	0	0	0	0	0	53	48
NCA10	562	Residential	52	47	47	42	39	37	39	0	55	52	29	46	0	0	0	0	0	54	49
NCA10	564	Residential	52	47	47	42	38	37	39	0	53	50	29	44	0	0	0	0	0	52	47

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA10	565	Residential	52	47	47	42	38	37	38	0	52	49	29	43	0	0	0	0	0	51	46
NCA10	569	Residential	52	47	47	42	38	37	37	0	52	49	28	43	0	0	0	0	0	51	46
NCA10	570	Residential	52	47	47	42	37	36	36	0	51	48	28	42	0	0	0	0	0	50	45
NCA10	579	Residential	52	47	47	42	40	37	39	0	55	52	28	46	0	0	0	0	0	54	49
NCA10	583	Residential	52	47	47	42	34	28	33	0	48	45	19	39	0	0	0	0	0	47	42
NCA10	585	Residential	52	47	47	42	40	37	38	0	57	54	29	48	0	0	0	0	0	56	51
NCA10	586	Residential	52	47	47	42	38	37	36	0	51	48	28	42	0	0	0	0	0	50	45
NCA10	588	Residential	52	47	47	42	37	37	36	0	51	48	28	42	0	0	0	0	0	50	45
NCA10	591	Residential	52	47	47	42	39	39	38	0	54	51	28	45	0	0	0	0	0	53	48
NCA10	592	Residential	52	47	47	42	37	37	36	0	51	48	28	42	0	0	0	0	0	50	45
NCA10	596	Residential	52	47	47	42	39	35	38	0	57	54	28	48	0	0	0	0	0	56	51
NCA10	599	Residential	52	47	47	42	38	37	37	0	52	49	28	43	0	0	0	0	0	51	46
NCA10	605	Residential	52	47	47	42	41	39	40	0	57	54	25	48	0	0	0	0	0	56	51
NCA10	610	Residential	52	47	47	42	38	36	37	0	52	49	25	43	0	0	0	0	0	51	46
NCA10	617	Residential	52	47	47	42	41	38	42	0	57	54	26	48	0	0	0	0	0	56	51
NCA10	620	Residential	52	47	47	42	38	36	37	0	54	51	25	45	0	0	0	0	0	53	48
NCA10	624	Residential	52	47	47	42	40	37	40	0	58	55	24	49	0	0	0	0	0	57	52
NCA10	635	Residential	52	47	47	42	39	38	41	0	57	54	24	48	0	0	0	0	0	56	51
NCA10	640	Residential	52	47	47	42	39	38	41	0	55	52	24	46	0	0	0	0	0	54	49
NCA10	645	Residential	52	47	47	42	39	37	41	0	57	54	24	48	0	0	0	0	0	56	51
NCA10	655	Residential	52	47	47	42	39	37	41	0	55	52	23	46	0	0	0	0	0	54	49
NCA10	660	Residential	52	47	47	42	39	37	40	0	55	52	22	46	0	0	0	0	0	54	49
NCA10	662	Residential	52	47	47	42	39	34	39	0	55	52	23	46	0	0	0	0	0	54	49
NCA10	663	Residential	52	47	47	42	38	34	37	0	54	51	25	45	0	0	0	0	0	53	48
NCA10	664	Residential	52	47	47	42	39	34	40	0	55	52	25	46	0	0	0	0	0	54	49
NCA10	667	Residential	52	47	47	42	39	34	38	0	52	49	24	43	0	0	0	0	0	51	46
NCA10	669	Residential	52	47	47	42	39	34	39	0	54	51	23	45	0	0	0	0	0	53	48
NCA10	670	Residential	52	47	47	42	38	36	40	0	54	51	22	45	0	0	0	0	0	53	48
NCA10	671	Residential	52	47	47	42	39	36	41	0	55	52	23	46	0	0	0	0	0	54	49
NCA10	673	Residential	52	47	47	42	38	34	37	0	52	49	25	43	0	0	0	0	0	51	46
NCA10	674	Residential	52	47	47	42	39	34	38	0	52	49	24	43	0	0	0	0	0	51	46
NCA10	676	Residential	52	47	47	42	38	34	36	0	51	48	24	42	0	0	0	0	0	50	45
NCA10	677	Residential	52	47	47	42	39	35	39	0	53	50	23	44	0	0	0	0	0	52	47
NCA10	678	Residential	52	47	47	42	39	33	38	0	53	50	24	44	0	0	0	0	0	52	47
NCA10	679	Residential	52	47	47	42	38	35	36	0	51	48	25	42	0	0	0	0	0	50	45
NCA10	681	Residential	52	47	47	42	39	35	39	0	54	51	23	45	0	0	0	0	0	53	48
NCA10	682	Residential	52	47	47	42	39	35	40	0	55	52	24	46	0	0	0	0	0	54	49

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA10	683	Residential	52	47	47	42	39	36	41	0	56	53	23	47	0	0	0	0	0	55	50
NCA10	686	Residential	52	47	47	42	38	36	43	0	56	53	22	47	0	0	0	0	0	55	50
NCA10	687	Residential	52	47	47	42	38	33	38	0	53	50	23	44	0	0	0	0	0	52	47
NCA10	688	Residential	52	47	47	42	38	33	37	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	690	Residential	52	47	47	42	38	35	40	0	54	51	23	45	0	0	0	0	0	53	48
NCA10	692	Residential	52	47	47	42	37	31	36	0	51	48	19	42	0	0	0	0	0	50	45
NCA10	694	Residential	52	47	47	42	37	31	37	0	51	48	23	42	0	0	0	0	0	50	45
NCA10	695	Residential	52	47	47	42	38	33	37	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	696	Residential	52	47	47	42	38	35	43	0	57	54	23	48	0	0	0	0	0	56	51
NCA10	697	Residential	52	47	47	42	38	34	39	0	53	50	22	44	0	0	0	0	0	52	47
NCA10	699	Residential	52	47	47	42	38	34	40	0	54	51	24	45	0	0	0	0	0	53	48
NCA10	700	Residential	52	47	47	42	38	35	41	0	56	53	23	47	0	0	0	0	0	55	50
NCA10	701	Residential	52	47	47	42	38	34	41	0	55	52	24	46	0	0	0	0	0	54	49
NCA10	704	Residential	52	47	47	42	36	32	36	0	50	47	23	41	0	0	0	0	0	49	44
NCA10	706	Residential	52	47	47	42	36	31	36	0	51	48	19	42	0	0	0	0	0	50	45
NCA10	708	Residential	52	47	47	42	37	31	37	0	51	48	23	42	0	0	0	0	0	50	45
NCA10	709	Residential	52	47	47	42	37	33	37	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	710	Residential	52	47	47	42	37	33	38	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	712	Residential	52	47	47	42	38	33	38	0	53	50	22	44	0	0	0	0	0	52	47
NCA10	713	Residential	52	47	47	42	38	34	39	0	54	51	22	45	0	0	0	0	0	53	48
NCA10	715	Residential	52	47	47	42	37	34	40	0	55	52	24	46	0	0	0	0	0	54	49
NCA10	716	Residential	52	47	47	42	38	34	40	0	54	51	24	45	0	0	0	0	0	53	48
NCA10	722	Residential	52	47	47	42	36	31	36	0	51	48	19	42	0	0	0	0	0	50	45
NCA10	729	Residential	52	47	47	42	36	31	36	0	51	48	19	42	0	0	0	0	0	50	45
NCA10	737	Residential	52	47	47	42	36	31	37	0	50	47	22	41	0	0	0	0	0	49	44
NCA10	738	Residential	52	47	47	42	35	31	36	0	50	47	20	41	0	0	0	0	0	49	44
NCA10	739	Residential	52	47	47	42	36	32	37	0	52	49	22	43	0	0	0	0	0	51	46
NCA10	740	Residential	52	47	47	42	36	32	37	0	52	49	22	43	0	0	0	0	0	51	46
NCA10	741	Residential	52	47	47	42	36	33	38	0	53	50	22	44	0	0	0	0	0	52	47
NCA10	742	Residential	52	47	47	42	36	33	39	0	54	51	23	45	0	0	0	0	0	53	48
NCA10	743	Residential	52	47	47	42	36	34	40	0	54	51	24	45	0	0	0	0	0	53	48
NCA10	746	Residential	52	47	47	42	37	34	41	0	55	52	24	46	0	0	0	0	0	54	49
NCA10	754	Residential	52	47	47	42	35	32	37	0	51	48	22	42	0	0	0	0	0	50	45
NCA10	755	Residential	52	47	47	42	35	32	38	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	757	Residential	52	47	47	42	35	32	38	0	53	50	23	44	0	0	0	0	0	52	47
NCA10	759	Residential	52	47	47	42	35	33	39	0	54	51	23	45	0	0	0	0	0	53	48
NCA10	764	Residential	52	47	47	42	36	33	40	0	50	47	24	41	0	0	0	0	0	49	44

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA10	766	Residential	52	47	47	42	35	32	36	0	51	48	22	42	0	0	0	0	0	50	45
NCA10	771	Residential	52	47	47	42	36	33	41	0	56	53	24	47	0	0	0	0	0	55	50
NCA10	773	Residential	52	47	47	42	35	32	35	0	51	48	23	42	0	0	0	0	0	50	45
NCA10	777	Residential	52	47	47	42	35	32	37	0	51	48	23	42	0	0	0	0	0	50	45
NCA10	780	Residential	52	47	47	42	36	32	37	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	781	Residential	52	47	47	42	36	33	35	0	49	46	24	40	0	0	0	0	0	48	43
NCA10	788	Residential	52	47	47	42	36	33	36	0	51	48	24	42	0	0	0	0	0	50	45
NCA10	790	Residential	52	47	47	42	34	32	34	0	49	46	23	40	0	0	0	0	0	48	43
NCA10	797	Residential	52	47	47	42	36	32	37	0	51	48	24	42	0	0	0	0	0	50	45
NCA10	808	Residential	52	47	47	42	35	32	34	0	49	46	23	40	0	0	0	0	0	48	43
NCA10	809	Residential	52	47	47	42	35	32	40	0	54	51	24	45	0	0	0	0	0	53	48
NCA10	816	Residential	52	47	47	42	35	32	41	0	55	52	24	46	0	0	0	0	0	54	49
NCA10	821	Residential	52	47	47	42	34	32	38	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	833	Residential	52	47	47	42	34	31	37	0	50	47	23	41	0	0	0	0	0	49	44
NCA10	842	Residential	52	47	47	42	35	32	37	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	846	Residential	52	47	47	42	34	31	37	0	52	49	23	43	0	0	0	0	0	51	46
NCA10	848	Residential	52	47	47	42	34	0	36	0	51	48	23	42	0	0	0	0	0	50	45
NCA10	879	Residential	52	47	47	42	38	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	884	Residential	52	47	47	42	38	0	40	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	886	Residential	52	47	47	42	37	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	889	Residential	52	47	47	42	37	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	891	Residential	52	47	47	42	36	0	37	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	892	Residential	52	47	47	42	35	0	37	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	897	Residential	52	47	47	42	35	0	36	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	899	Residential	52	47	47	42	34	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	900	Residential	52	47	47	42	34	0	34	0	49	46	0	40	0	0	0	0	0	48	43
NCA10	901	Residential	52	47	47	42	35	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	903	Residential	52	47	47	42	33	0	34	0	49	46	0	40	0	0	0	0	0	48	43
NCA10	904	Educational	55	55	55	55	33	0	33	0	48	45	0	39	0	0	0	0	0	47	42
NCA10	914	Residential	52	47	47	42	34	0	34	0	49	46	0	40	0	0	0	0	0	48	43
NCA10	923	Residential	52	47	47	42	34	0	33	0	48	45	0	39	0	0	0	0	0	47	42
NCA10	930	Residential	52	47	47	42	36	0	40	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	933	Residential	52	47	47	42	36	0	37	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	938	Residential	52	47	47	42	36	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	940	Residential	52	47	47	42	35	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	943	Residential	52	47	47	42	35	0	36	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	946	Residential	52	47	47	42	34	0	34	0	49	46	0	40	0	0	0	0	0	48	43

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA10	949	Residential	52	47	47	42	36	0	39	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	951	Residential	52	47	47	42	35	0	37	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	955	Residential	52	47	47	42	34	0	34	0	48	45	0	39	0	0	0	0	0	47	42
NCA10	963	Residential	52	47	47	42	37	0	40	0	56	53	0	47	0	0	0	0	0	55	50
NCA10	966	Residential	52	47	47	42	35	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	967	Residential	52	47	47	42	34	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	972	Residential	52	47	47	42	36	0	40	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	976	Residential	52	47	47	42	36	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	977	Residential	52	47	47	42	34	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	982	Residential	52	47	47	42	35	0	36	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	986	Residential	52	47	47	42	34	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	988	Residential	52	47	47	42	36	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	992	Residential	52	47	47	42	36	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	997	Residential	52	47	47	42	37	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1001	Residential	52	47	47	42	33	0	34	0	48	45	0	39	0	0	0	0	0	47	42
NCA10	1002	Residential	52	47	47	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1003	Residential	52	47	47	42	34	0	36	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	1012	Residential	52	47	47	42	37	0	40	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1015	Residential	52	47	47	42	37	0	41	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1017	Commercial	70	70	70	70	34	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	1019	Residential	52	47	47	42	35	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	1022	Residential	52	47	47	42	34	0	37	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1024	Residential	52	47	47	42	33	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	1027	Residential	52	47	47	42	35	0	39	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1028	Residential	52	47	47	42	34	0	37	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	1029	Residential	52	47	47	42	33	0	35	0	49	46	0	40	0	0	0	0	0	48	43
NCA10	1032	Residential	52	47	47	42	35	0	40	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1035	Residential	52	47	47	42	34	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1036	Residential	52	47	47	42	34	0	36	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	1039	Residential	52	47	47	42	34	0	37	0	51	48	0	42	0	0	0	0	0	50	45
NCA10	1040	Residential	52	47	47	42	33	0	35	0	49	46	0	40	0	0	0	0	0	48	43
NCA10	1041	Residential	52	47	47	42	34	0	37	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1042	Residential	52	47	47	42	33	0	35	0	49	46	0	40	0	0	0	0	0	48	43
NCA10	1044	Residential	52	47	47	42	34	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	1047	Residential	52	47	47	42	33	0	35	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	1050	Residential	52	47	47	42	36	0	41	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1056	Residential	52	47	47	42	33	0	35	0	50	47	0	41	0	0	0	0	0	49	44

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA10	1058	Residential	52	47	47	42	34	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	1059	Residential	52	47	47	42	33	0	36	0	50	47	0	41	0	0	0	0	0	49	44
NCA10	1063	Residential	52	47	47	42	34	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	1068	Residential	52	47	47	42	36	0	41	0	57	54	0	48	0	0	0	0	0	56	51
NCA10	1070	Residential	52	47	47	42	35	0	39	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1073	Residential	52	47	47	42	36	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1084	Residential	52	47	47	42	36	0	41	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1085	Residential	52	47	47	42	36	0	40	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1087	Residential	52	47	47	42	37	0	44	0	56	53	0	47	0	0	0	0	0	55	50
NCA10	1094	Residential	52	47	47	42	36	0	41	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1103	Residential	52	47	47	42	36	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1106	Residential	52	47	47	42	36	0	41	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1108	Residential	52	47	47	42	37	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1110	Residential	52	47	47	42	37	0	43	0	55	52	0	46	0	0	0	0	0	54	49
NCA10	1112	Residential	52	47	47	42	36	0	40	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1113	Residential	52	47	47	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1116	Residential	52	47	47	42	36	0	40	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	1117	Residential	52	47	47	42	37	0	42	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1120	Residential	52	47	47	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1122	Residential	52	47	47	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA10	1123	Residential	52	47	47	42	36	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	1125	Residential	52	47	47	42	37	0	41	0	54	51	0	45	0	0	0	0	0	53	48
NCA10	1128	Residential	52	47	47	42	36	0	40	0	53	50	0	44	0	0	0	0	0	52	47
NCA10	1132	Residential	52	47	47	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA11	727	Residential	48	43	41	35	42	37	47	0	63	60	23	54	0	0	0	0	0	62	57
NCA11	733	Residential	48	43	41	35	38	32	40	0	55	52	17	46	0	0	0	0	0	54	49
NCA11	735	Residential	48	43	41	35	35	32	41	0	55	52	15	46	0	0	0	0	0	54	49
NCA11	745	Residential	48	43	41	35	37	32	39	0	54	51	17	45	0	0	0	0	0	53	48
NCA11	751	Residential	48	43	41	35	37	32	38	0	54	51	16	45	0	0	0	0	0	53	48
NCA11	760	Residential	48	43	41	35	38	35	43	0	58	55	19	49	0	0	0	0	0	57	52
NCA11	762	Residential	48	43	41	35	39	17	47	0	59	56	8	50	0	0	0	0	0	58	53
NCA11	763	Residential	48	43	41	35	36	31	40	0	55	52	16	46	0	0	0	0	0	54	49
NCA11	765	Residential	48	43	41	35	37	33	41	0	56	53	18	47	0	0	0	0	0	55	50
NCA11	768	Residential	48	43	41	35	36	33	40	0	54	51	18	45	0	0	0	0	0	53	48
NCA11	776	Residential	48	43	41	35	37	32	41	0	56	53	17	47	0	0	0	0	0	55	50
NCA11	779	Residential	48	43	41	35	41	16	47	0	63	60	7	54	0	0	0	0	0	62	57
NCA11	782	Residential	48	43	41	35	40	16	46	0	62	59	7	53	0	0	0	0	0	61	56

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)															
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt	
NCA11	785	Residential	48	43	41	35	39	26	45	0	60	57	17	51	0	0	0	0	0	59	54	
NCA11	789	Residential	48	43	41	35	38	19	44	0	61	58	9	52	0	0	0	0	0	60	55	
NCA11	792	Residential	48	43	41	35	35	20	40	0	56	53	10	47	0	0	0	0	0	55	50	
NCA11	796	Residential	48	43	41	35	38	33	40	0	56	53	18	47	0	0	0	0	0	55	50	
NCA11	804	Residential	48	43	41	35	37	34	41	0	56	53	17	47	0	0	0	0	0	55	50	
NCA11	807	Residential	48	43	41	35	35	33	40	0	55	52	18	46	0	0	0	0	0	54	49	
NCA11	811	Residential	48	43	41	35	36	20	38	0	53	50	9	44	0	0	0	0	0	52	47	
NCA11	814	Residential	48	43	41	35	34	30	39	0	54	51	15	45	0	0	0	0	0	53	48	
NCA11	818	Residential	48	43	41	35	33	27	37	0	52	49	15	43	0	0	0	0	0	51	46	
NCA11	819	Residential	48	43	41	35	34	34	38	0	54	51	20	45	0	0	0	0	0	53	48	
NCA11	825	Residential	48	43	41	35	33	18	36	0	53	50	8	44	0	0	0	0	0	52	47	
NCA11	826	Residential	48	43	41	35	34	32	37	0	53	50	19	44	0	0	0	0	0	52	47	
NCA11	828	Residential	48	43	41	35	34	31	37	0	52	49	15	43	0	0	0	0	0	51	46	
NCA11	832	Residential	48	43	41	35	37	35	37	0	52	49	19	43	0	0	0	0	0	51	46	
NCA11	836	Residential	48	43	41	35	34	30	36	0	52	49	15	43	0	0	0	0	0	51	46	
NCA11	838	Residential	48	43	41	35	37	32	40	0	55	52	19	46	0	0	0	0	0	54	49	
NCA11	844	Residential	48	43	41	35	32	25	34	0	49	46	13	40	0	0	0	0	0	48	43	
NCA11	849	Residential	48	43	41	35	22	19	23	0	36	33	9	27	0	0	0	0	0	35	30	
NCA11	853	Residential	48	43	41	35	38	32	38	0	54	51	16	45	0	0	0	0	0	53	48	
NCA11	855	Residential	48	43	41	35	38	32	40	0	56	53	17	47	0	0	0	0	0	55	50	
NCA11	856	Residential	48	43	41	35	35	34	36	0	50	47	21	41	0	0	0	0	0	49	44	
NCA11	857	Residential	48	43	41	35	38	32	38	0	53	50	16	44	0	0	0	0	0	52	47	
NCA11	860	Residential	48	43	41	35	24	15	30	0	45	42	6	36	0	0	0	0	0	44	39	
NCA11	863	Residential	48	43	41	35	36	32	41	0	53	50	15	44	0	0	0	0	0	52	47	
NCA11	865	Residential	48	43	41	35	38	32	37	0	53	50	17	44	0	0	0	0	0	52	47	
NCA11	866	Residential	48	43	41	35	36	34	36	0	52	49	19	43	0	0	0	0	0	51	46	
NCA11	871	Residential	48	43	41	35	31	14	34	0	49	46	5	40	0	0	0	0	0	48	43	
NCA11	873	Residential	48	43	41	35	38	31	38	0	53	50	17	44	0	0	0	0	0	52	47	
NCA11	874	Residential	48	43	41	35	36	31	39	0	53	50	14	44	0	0	0	0	0	52	47	
NCA11	877	Residential	48	43	41	35	38	31	40	0	55	52	17	46	0	0	0	0	0	54	49	
NCA11	878	Residential	48	43	41	35	38	31	38	0	53	50	20	44	0	0	0	0	0	52	47	
NCA11	881	Residential	48	43	41	35	38	0	39	0	53	50	20	44	0	0	0	0	0	52	47	
NCA11	883	Residential	48	43	41	35	36	0	37	0	52	49	18	43	0	0	0	0	0	51	46	
NCA11	885	Residential	48	43	41	35	37	0	39	0	54	51	16	45	0	0	0	0	0	53	48	
NCA11	890	Residential	48	43	41	35	36	0	37	0	52	49	17	43	0	0	0	0	0	51	46	
NCA11	894	Residential	48	43	41	35	36	0	37	0	52	49	15	43	0	0	0	0	0	51	46	
NCA11	896	Residential	48	43	41	35	28	0	33	0	48	45	5	39	0	0	0	0	0	47	42	

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA11	898	Residential	48	43	41	35	37	0	43	0	58	55	13	49	0	0	0	0	0	57	52
NCA11	906	Residential	48	43	41	35	37	0	37	0	52	49	0	43	0	0	0	0	0	51	46
NCA11	907	Residential	48	43	41	35	37	0	41	0	57	54	0	48	0	0	0	0	0	56	51
NCA11	908	Residential	48	43	41	35	36	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	909	Residential	48	43	41	35	33	0	34	0	48	45	0	39	0	0	0	0	0	47	42
NCA11	910	Residential	48	43	41	35	36	0	39	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	911	Residential	48	43	41	35	36	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	912	Residential	48	43	41	35	35	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	915	Residential	48	43	41	35	31	0	36	0	49	46	0	40	0	0	0	0	0	48	43
NCA11	916	Residential	48	43	41	35	37	0	37	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	921	Residential	48	43	41	35	36	0	41	0	58	55	0	49	0	0	0	0	0	57	52
NCA11	922	Residential	48	43	41	35	36	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	924	Residential	48	43	41	35	36	0	40	0	56	53	0	47	0	0	0	0	0	55	50
NCA11	925	Residential	48	43	41	35	36	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	929	Residential	48	43	41	35	37	0	39	0	54	51	0	45	0	0	0	0	0	53	48
NCA11	932	Residential	48	43	41	35	37	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	937	Residential	48	43	41	35	36	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	939	Residential	48	43	41	35	36	0	37	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	947	Residential	48	43	41	35	37	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	953	Residential	48	43	41	35	39	0	40	0	56	53	0	47	0	0	0	0	0	55	50
NCA11	956	Residential	48	43	41	35	31	0	33	0	48	45	0	39	0	0	0	0	0	47	42
NCA11	957	Residential	48	43	41	35	37	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	962	Residential	48	43	41	35	38	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	964	Residential	48	43	41	35	38	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	965	Residential	48	43	41	35	34	0	32	0	46	43	0	37	0	0	0	0	0	45	40
NCA11	968	Residential	48	43	41	35	37	0	39	0	54	51	0	45	0	0	0	0	0	53	48
NCA11	969	Residential	48	43	41	35	30	0	34	0	49	46	0	40	0	0	0	0	0	48	43
NCA11	979	Residential	48	43	41	35	37	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA11	980	Residential	48	43	41	35	36	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	981	Residential	48	43	41	35	32	0	38	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	993	Residential	48	43	41	35	37	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA11	994	Residential	48	43	41	35	37	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	995	Residential	48	43	41	35	37	0	39	0	54	51	0	45	0	0	0	0	0	53	48
NCA11	996	Residential	48	43	41	35	38	0	41	0	56	53	0	47	0	0	0	0	0	55	50
NCA11	998	Residential	48	43	41	35	36	0	37	0	51	48	0	42	0	0	0	0	0	50	45
NCA11	1005	Residential	48	43	41	35	29	0	31	0	46	43	0	37	0	0	0	0	0	45	40
NCA11	1016	Residential	48	43	41	35	34	0	36	0	50	47	0	41	0	0	0	0	0	49	44

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA11	1018	Residential	48	43	41	35	24	0	31	0	44	41	0	35	0	0	0	0	0	43	38
NCA11	1023	Residential	48	43	41	35	36	0	39	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	1026	Residential	48	43	41	35	40	0	46	0	61	58	0	52	0	0	0	0	0	60	55
NCA11	1030	Residential	48	43	41	35	39	0	44	0	59	56	0	50	0	0	0	0	0	58	53
NCA11	1031	Residential	48	43	41	35	42	0	48	0	64	61	0	55	0	0	0	0	0	63	58
NCA11	1033	Residential	48	43	41	35	39	0	43	0	59	56	0	50	0	0	0	0	0	58	53
NCA11	1034	Residential	48	43	41	35	38	0	44	0	58	55	0	49	0	0	0	0	0	57	52
NCA11	1037	Residential	48	43	41	35	36	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	1038	Residential	48	43	41	35	36	0	41	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	1048	Residential	48	43	41	35	38	0	42	0	59	56	0	50	0	0	0	0	0	58	53
NCA11	1049	Residential	48	43	41	35	37	0	41	0	57	54	0	48	0	0	0	0	0	56	51
NCA11	1051	Residential	48	43	41	35	36	0	41	0	56	53	0	47	0	0	0	0	0	55	50
NCA11	1052	Residential	48	43	41	35	36	0	39	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	1054	Residential	48	43	41	35	35	0	38	0	54	51	0	45	0	0	0	0	0	53	48
NCA11	1066	Residential	48	43	41	35	37	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	1075	Residential	48	43	41	35	38	0	47	0	58	55	0	49	0	0	0	0	0	57	52
NCA11	1078	Residential	48	43	41	35	37	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	1079	Residential	48	43	41	35	38	0	46	0	57	54	0	48	0	0	0	0	0	56	51
NCA11	1080	Residential	48	43	41	35	38	0	44	0	57	54	0	48	0	0	0	0	0	56	51
NCA11	1082	Residential	48	43	41	35	37	0	43	0	56	53	0	47	0	0	0	0	0	55	50
NCA11	1091	Residential	48	43	41	35	37	0	48	0	59	56	0	50	0	0	0	0	0	58	53
NCA11	1092	Residential	48	43	41	35	38	0	46	0	60	57	0	51	0	0	0	0	0	59	54
NCA11	1095	Residential	48	43	41	35	37	0	44	0	58	55	0	49	0	0	0	0	0	57	52
NCA11	1096	Residential	48	43	41	35	37	0	43	0	57	54	0	48	0	0	0	0	0	56	51
NCA11	1097	Residential	48	43	41	35	37	0	42	0	56	53	0	47	0	0	0	0	0	55	50
NCA11	1098	Residential	48	43	41	35	36	0	43	0	53	50	0	44	0	0	0	0	0	52	47
NCA11	1100	Residential	48	43	41	35	36	0	40	0	55	52	0	46	0	0	0	0	0	54	49
NCA11	1101	Residential	48	43	41	35	37	0	43	0	54	51	0	45	0	0	0	0	0	53	48
NCA11	1104	Commercial	70	70	70	70	36	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA12	705	Residential	64	59	55	42	56	38	62	0	78	75	27	69	0	0	0	0	0	77	72
NCA12	717	Residential	64	59	55	42	56	38	62	0	78	75	29	69	0	0	0	0	0	77	72
NCA12	724	Residential	64	59	55	42	43	37	49	0	64	61	27	55	0	0	0	0	0	63	58
NCA12	725	Residential	64	59	55	42	44	37	52	0	68	65	25	59	0	0	0	0	0	67	62
NCA12	728	Residential	64	59	55	42	57	37	64	0	80	77	23	71	0	0	0	0	0	79	74
NCA12	731	Residential	64	59	55	42	56	37	63	0	80	77	23	71	0	0	0	0	0	79	74
NCA12	732	Residential	64	59	55	42	45	33	54	0	70	67	18	61	0	0	0	0	0	69	64
NCA12	744	Residential	64	59	55	42	57	37	60	0	80	77	24	71	0	0	0	0	0	79	74

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)															
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt	
NCA12	747	Residential	64	59	55	42	43	22	52	0	68	65	11	59	0	0	0	0	0	67	62	
NCA12	749	Residential	64	59	55	42	57	37	60	0	80	77	24	71	0	0	0	0	0	79	74	
NCA12	761	Residential	64	59	55	42	61	34	63	0	84	81	21	75	0	0	0	0	0	83	78	
NCA12	770	Residential	64	59	55	42	49	19	54	0	72	69	8	63	0	0	0	0	0	71	66	
NCA12	772	Residential	64	59	55	42	43	16	50	0	66	63	7	57	0	0	0	0	0	65	60	
NCA12	775	Residential	64	59	55	42	43	16	49	0	66	63	7	57	0	0	0	0	0	65	60	
NCA12	783	Residential	64	59	55	42	58	36	60	0	81	78	23	72	0	0	0	0	0	80	75	
NCA12	784	Residential	64	59	55	42	47	35	53	0	72	69	17	63	0	0	0	0	0	71	66	
NCA12	786	Residential	64	59	55	42	44	34	50	0	67	64	18	58	0	0	0	0	0	66	61	
NCA12	787	Residential	64	59	55	42	59	33	62	0	82	79	20	73	0	0	0	0	0	81	76	
NCA12	794	Residential	64	59	55	42	58	35	61	0	82	79	22	73	0	0	0	0	0	81	76	
NCA12	798	Residential	64	59	55	42	42	35	46	0	62	59	19	53	0	0	0	0	0	61	56	
NCA12	799	Residential	64	59	55	42	44	34	51	0	68	65	18	59	0	0	0	0	0	67	62	
NCA12	802	Residential	64	59	55	42	45	34	51	0	69	66	17	60	0	0	0	0	0	68	63	
NCA12	803	Residential	64	59	55	42	58	35	62	0	83	80	23	74	0	0	0	0	0	82	77	
NCA12	805	Residential	64	59	55	42	41	35	46	0	62	59	18	53	0	0	0	0	0	61	56	
NCA12	812	Residential	64	59	55	42	45	35	52	0	70	67	20	61	0	0	0	0	0	69	64	
NCA12	815	Residential	64	59	55	42	58	33	61	0	82	79	20	73	0	0	0	0	0	81	76	
NCA12	817	Residential	64	59	55	42	41	35	46	0	60	57	19	51	0	0	0	0	0	59	54	
NCA12	823	Residential	64	59	55	42	46	35	52	0	69	66	19	60	0	0	0	0	0	68	63	
NCA12	824	Residential	64	59	55	42	58	36	62	0	81	78	23	72	0	0	0	0	0	80	75	
NCA12	827	Residential	64	59	55	42	41	35	46	0	62	59	20	53	0	0	0	0	0	61	56	
NCA12	829	Residential	64	59	55	42	59	32	63	0	82	79	21	73	0	0	0	0	0	81	76	
NCA12	834	Residential	64	59	55	42	41	35	46	0	62	59	20	53	0	0	0	0	0	61	56	
NCA12	835	Residential	64	59	55	42	44	35	48	0	61	58	19	52	0	0	0	0	0	60	55	
NCA12	840	Residential	64	59	55	42	41	35	45	0	59	56	20	50	0	0	0	0	0	58	53	
NCA12	841	Residential	64	59	55	42	47	34	52	0	68	65	18	59	0	0	0	0	0	67	62	
NCA12	843	Residential	64	59	55	42	59	35	63	0	82	79	23	73	0	0	0	0	0	81	76	
NCA12	850	Residential	64	59	55	42	59	34	63	0	81	78	20	72	0	0	0	0	0	80	75	
NCA12	851	Residential	64	59	55	42	45	28	52	0	67	64	15	58	0	0	0	0	0	66	61	
NCA12	852	Residential	64	59	55	42	41	34	46	0	58	55	19	49	0	0	0	0	0	57	52	
NCA12	858	Residential	64	59	55	42	42	34	46	0	60	57	20	51	0	0	0	0	0	59	54	
NCA12	859	Residential	64	59	55	42	58	34	63	0	82	79	24	73	0	0	0	0	0	81	76	
NCA12	862	Residential	64	59	55	42	45	33	52	0	69	66	18	60	0	0	0	0	0	68	63	
NCA12	867	Residential	64	59	55	42	42	34	45	0	62	59	21	53	0	0	0	0	0	61	56	
NCA12	869	Residential	64	59	55	42	46	31	53	0	70	67	15	61	0	0	0	0	0	69	64	
NCA12	875	Residential	64	59	55	42	58	0	61	0	81	78	13	72	0	0	0	0	0	80	75	

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA12	876	Residential	64	59	55	42	42	31	45	0	62	59	17	53	0	0	0	0	0	61	56
NCA12	880	Residential	64	59	55	42	45	0	51	0	67	64	11	58	0	0	0	0	0	66	61
NCA12	882	Residential	64	59	55	42	59	0	61	0	82	79	20	73	0	0	0	0	0	81	76
NCA12	887	Residential	64	59	55	42	41	0	47	0	61	58	17	52	0	0	0	0	0	60	55
NCA12	888	Residential	64	59	55	42	45	0	52	0	69	66	13	60	0	0	0	0	0	68	63
NCA12	893	Residential	64	59	55	42	59	0	62	0	82	79	0	73	0	0	0	0	0	81	76
NCA12	895	Residential	64	59	55	42	46	0	53	0	69	66	0	60	0	0	0	0	0	68	63
NCA12	905	Residential	64	59	55	42	58	0	62	0	81	78	0	72	0	0	0	0	0	80	75
NCA12	913	Residential	64	59	55	42	44	0	53	0	66	63	0	57	0	0	0	0	0	65	60
NCA12	919	Residential	64	59	55	42	58	0	62	0	81	78	0	72	0	0	0	0	0	80	75
NCA12	920	Residential	64	59	55	42	41	0	44	0	59	56	0	50	0	0	0	0	0	58	53
NCA12	926	Residential	64	59	55	42	45	0	53	0	69	66	0	60	0	0	0	0	0	68	63
NCA12	927	Residential	64	59	55	42	59	0	62	0	81	78	0	72	0	0	0	0	0	80	75
NCA12	936	Residential	64	59	55	42	42	0	44	0	63	60	0	54	0	0	0	0	0	62	57
NCA12	941	Residential	64	59	55	42	58	0	62	0	80	77	0	71	0	0	0	0	0	79	74
NCA12	942	Residential	64	59	55	42	46	0	52	0	63	60	0	54	0	0	0	0	0	62	57
NCA12	944	Residential	64	59	55	42	42	0	44	0	59	56	0	50	0	0	0	0	0	58	53
NCA12	945	Residential	64	59	55	42	58	0	62	0	80	77	0	71	0	0	0	0	0	79	74
NCA12	954	Residential	64	59	55	42	47	0	52	0	67	64	0	58	0	0	0	0	0	66	61
NCA12	958	Residential	64	59	55	42	43	0	44	0	59	56	0	50	0	0	0	0	0	58	53
NCA12	961	Residential	64	59	55	42	57	0	62	0	81	78	0	72	0	0	0	0	0	80	75
NCA12	970	Residential	64	59	55	42	59	0	63	0	82	79	0	73	0	0	0	0	0	81	76
NCA12	973	Residential	64	59	55	42	46	0	54	0	71	68	0	62	0	0	0	0	0	70	65
NCA12	975	Residential	64	59	55	42	43	0	45	0	60	57	0	51	0	0	0	0	0	59	54
NCA12	983	Residential	64	59	55	42	44	0	48	0	61	58	0	52	0	0	0	0	0	60	55
NCA12	989	Residential	64	59	55	42	49	0	54	0	71	68	0	62	0	0	0	0	0	70	65
NCA12	991	Residential	64	59	55	42	59	0	61	0	82	79	0	73	0	0	0	0	0	81	76
NCA12	999	Residential	64	59	55	42	43	0	48	0	64	61	0	55	0	0	0	0	0	63	58
NCA12	1000	Residential	64	59	55	42	60	0	62	0	83	80	0	74	0	0	0	0	0	82	77
NCA12	1010	Residential	64	59	55	42	45	0	48	0	65	62	0	56	0	0	0	0	0	64	59
NCA12	1011	Residential	64	59	55	42	47	0	54	0	72	69	0	63	0	0	0	0	0	71	66
NCA12	1020	Residential	64	59	55	42	45	0	49	0	66	63	0	57	0	0	0	0	0	65	60
NCA12	1021	Residential	64	59	55	42	58	0	59	0	81	78	0	72	0	0	0	0	0	80	75
NCA12	1025	Residential	64	59	55	42	51	0	55	0	75	72	0	66	0	0	0	0	0	74	69
NCA12	1043	Residential	64	59	55	42	42	0	48	0	64	61	0	55	0	0	0	0	0	63	58
NCA12	1046	Residential	64	59	55	42	46	0	51	0	69	66	0	60	0	0	0	0	0	68	63
NCA12	1053	Residential	64	59	55	42	57	0	59	0	79	76	0	70	0	0	0	0	0	78	73

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)															
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt	
NCA12	1055	Residential	64	59	55	42	41	0	50	0	66	63	0	57	0	0	0	0	0	65	60	
NCA12	1057	Residential	64	59	55	42	40	0	49	0	65	62	0	56	0	0	0	0	0	64	59	
NCA12	1060	Residential	64	59	55	42	40	0	45	0	60	57	0	51	0	0	0	0	0	59	54	
NCA12	1061	Residential	64	59	55	42	59	0	65	0	82	79	0	73	0	0	0	0	0	81	76	
NCA12	1067	Residential	64	59	55	42	58	0	66	0	82	79	0	73	0	0	0	0	0	81	76	
NCA12	1069	Residential	64	59	55	42	44	0	56	0	72	69	0	63	0	0	0	0	0	71	66	
NCA12	1074	Residential	64	59	55	42	37	0	44	0	58	55	0	49	0	0	0	0	0	57	52	
NCA12	1076	Residential	64	59	55	42	58	0	67	0	82	79	0	73	0	0	0	0	0	81	76	
NCA12	1083	Residential	64	59	55	42	48	0	58	0	64	61	0	55	0	0	0	0	0	63	58	
NCA12	1089	Residential	64	59	55	42	54	0	65	0	70	67	0	61	0	0	0	0	0	69	64	
NCA13	718	Residential	64	59	55	42	37	35	42	0	57	54	23	48	0	0	0	0	0	56	51	
NCA13	719	Residential	64	59	55	42	37	35	41	0	55	52	23	46	0	0	0	0	0	54	49	
NCA13	721	Residential	64	59	55	42	38	37	43	0	57	54	26	48	0	0	0	0	0	56	51	
NCA13	723	Residential	64	59	55	42	39	37	46	0	59	56	28	50	0	0	0	0	0	58	53	
NCA13	726	Residential	64	59	55	42	42	36	50	0	64	61	23	55	0	0	0	0	0	63	58	
NCA13	730	Residential	64	59	55	42	45	18	54	0	67	64	9	58	0	0	0	0	0	66	61	
NCA13	734	Residential	64	59	55	42	55	21	60	0	72	69	12	63	0	0	0	0	0	71	66	
NCA13	736	Residential	64	59	55	42	39	36	42	0	57	54	22	48	0	0	0	0	0	56	51	
NCA13	748	Residential	64	59	55	42	43	20	51	0	64	61	11	55	0	0	0	0	0	63	58	
NCA13	750	Residential	64	59	55	42	55	21	61	0	71	68	13	62	0	0	0	0	0	70	65	
NCA13	752	Residential	64	59	55	42	38	36	42	0	56	53	27	47	0	0	0	0	0	55	50	
NCA13	753	Residential	64	59	55	42	37	34	41	0	53	50	24	44	0	0	0	0	0	52	47	
NCA13	756	Residential	64	59	55	42	40	34	45	0	62	59	21	53	0	0	0	0	0	61	56	
NCA13	758	Residential	64	59	55	42	54	21	60	0	70	67	17	61	0	0	0	0	0	69	64	
NCA13	767	Residential	64	59	55	42	40	32	46	0	61	58	23	52	0	0	0	0	0	60	55	
NCA13	769	Residential	64	59	55	42	43	19	53	0	66	63	11	57	0	0	0	0	0	65	60	
NCA13	774	Residential	64	59	55	42	54	18	59	0	71	68	9	62	0	0	0	0	0	70	65	
NCA13	778	Residential	64	59	55	42	55	32	61	0	73	70	20	64	0	0	0	0	0	72	67	
NCA13	791	Residential	64	59	55	42	53	22	57	0	69	66	12	60	0	0	0	0	0	68	63	
NCA13	793	Residential	64	59	55	42	50	29	56	0	69	66	18	60	0	0	0	0	0	68	63	
NCA13	795	Residential	64	59	55	42	42	33	45	0	59	56	25	50	0	0	0	0	0	58	53	
NCA13	800	Residential	64	59	55	42	42	31	46	0	60	57	18	51	0	0	0	0	0	59	54	
NCA13	801	Residential	64	59	55	42	52	21	56	0	69	66	18	60	0	0	0	0	0	68	63	
NCA13	806	Residential	64	59	55	42	41	19	47	0	61	58	17	52	0	0	0	0	0	60	55	
NCA13	810	Residential	64	59	55	42	51	29	56	0	70	67	18	61	0	0	0	0	0	69	64	
NCA13	813	Residential	64	59	55	42	41	24	47	0	61	58	14	52	0	0	0	0	0	60	55	
NCA13	820	Residential	64	59	55	42	52	34	58	0	70	67	23	61	0	0	0	0	0	69	64	

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)															
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt	
NCA13	822	Residential	64	59	55	42	39	28	44	0	58	55	16	49	0	0	0	0	0	57	52	
NCA13	830	Residential	64	59	55	42	55	32	61	0	72	69	21	63	0	0	0	0	0	71	66	
NCA13	831	Residential	64	59	55	42	36	32	38	0	52	49	24	43	0	0	0	0	0	51	46	
NCA13	837	Residential	64	59	55	42	49	31	57	0	71	68	18	62	0	0	0	0	0	70	65	
NCA13	839	Residential	64	59	55	42	35	32	38	0	53	50	24	44	0	0	0	0	0	52	47	
NCA13	845	Residential	64	59	55	42	48	18	53	0	67	64	9	58	0	0	0	0	0	66	61	
NCA13	847	Residential	64	59	55	42	47	15	51	0	65	62	7	56	0	0	0	0	0	64	59	
NCA13	854	Residential	64	59	55	42	46	16	50	0	64	61	7	55	0	0	0	0	0	63	58	
NCA13	861	Residential	64	59	55	42	45	16	49	0	63	60	7	54	0	0	0	0	0	62	57	
NCA13	864	Residential	64	59	55	42	43	0	49	0	63	60	7	54	0	0	0	0	0	62	57	
NCA13	868	Residential	64	59	55	42	42	0	46	0	60	57	0	51	0	0	0	0	0	59	54	
NCA13	870	Residential	64	59	55	42	38	0	42	0	56	53	0	47	0	0	0	0	0	55	50	
NCA13	872	Residential	64	59	55	42	38	0	42	0	56	53	0	47	0	0	0	0	0	55	50	
NCA14	902	Residential	64	59	55	42	45	0	48	0	62	59	0	53	0	0	0	0	0	61	56	
NCA14	917	Residential	64	59	55	42	48	0	55	0	68	65	0	59	0	0	0	0	0	67	62	
NCA14	918	Residential	64	59	55	42	44	0	49	0	63	60	0	54	0	0	0	0	0	62	57	
NCA14	928	Residential	64	59	55	42	54	0	60	0	72	69	0	63	0	0	0	0	0	71	66	
NCA14	931	Residential	64	59	55	42	36	0	41	0	55	52	0	46	0	0	0	0	0	54	49	
NCA14	934	Residential	64	59	55	42	37	0	42	0	56	53	0	47	0	0	0	0	0	55	50	
NCA14	935	Residential	64	59	55	42	39	0	45	0	59	56	0	50	0	0	0	0	0	58	53	
NCA14	948	Residential	64	59	55	42	55	0	62	0	73	70	0	64	0	0	0	0	0	72	67	
NCA14	950	Residential	64	59	55	42	42	0	49	0	62	59	0	53	0	0	0	0	0	61	56	
NCA14	952	Residential	64	59	55	42	50	0	57	0	70	67	0	61	0	0	0	0	0	69	64	
NCA14	959	Residential	64	59	55	42	41	0	47	0	62	59	0	53	0	0	0	0	0	61	56	
NCA14	960	Residential	64	59	55	42	36	0	41	0	55	52	0	46	0	0	0	0	0	54	49	
NCA14	971	Residential	64	59	55	42	52	0	60	0	72	69	0	63	0	0	0	0	0	71	66	
NCA14	974	Residential	64	59	55	42	32	0	35	0	47	44	0	38	0	0	0	0	0	46	41	
NCA14	978	Residential	64	59	55	42	58	0	66	0	75	72	0	66	0	0	0	0	0	74	69	
NCA14	984	Residential	64	59	55	42	41	0	48	0	62	59	0	53	0	0	0	0	0	61	56	
NCA14	985	Residential	64	59	55	42	40	0	47	0	61	58	0	52	0	0	0	0	0	60	55	
NCA14	987	Residential	64	59	55	42	44	0	51	0	65	62	0	56	0	0	0	0	0	64	59	
NCA14	990	Residential	64	59	55	42	37	0	44	0	58	55	0	49	0	0	0	0	0	57	52	
NCA14	1004	Residential	64	59	55	42	49	0	58	0	69	66	0	60	0	0	0	0	0	68	63	
NCA14	1006	Residential	64	59	55	42	46	0	54	0	67	64	0	58	0	0	0	0	0	66	61	
NCA14	1007	Residential	64	59	55	42	37	0	43	0	56	53	0	47	0	0	0	0	0	55	50	
NCA14	1008	Residential	64	59	55	42	43	0	51	0	64	61	0	55	0	0	0	0	0	63	58	
NCA14	1009	Residential	64	59	55	42	40	0	46	0	59	56	0	50	0	0	0	0	0	58	53	

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)														
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt
NCA14	1013	Residential	64	59	55	42	36	0	44	0	58	55	0	49	0	0	0	0	0	57	52
NCA14	1014	Residential	64	59	55	42	56	0	64	0	74	71	0	65	0	0	0	0	0	73	68
NCA14	1045	Commercial	70	70	70	70	52	0	58	0	74	71	0	65	0	0	0	0	0	73	68
NCA14	1062	Residential	64	59	55	42	42	0	48	0	64	61	0	55	0	0	0	0	0	63	58
NCA14	1064	Residential	64	59	55	42	45	0	51	0	67	64	0	58	0	0	0	0	0	66	61
NCA14	1065	Residential	64	59	55	42	51	0	61	0	72	69	0	63	0	0	0	0	0	71	66
NCA14	1071	Residential	64	59	55	42	53	0	68	0	72	69	0	63	0	0	0	0	0	71	66
NCA14	1072	Residential	64	59	55	42	45	0	54	0	65	62	0	56	0	0	0	0	0	64	59
NCA14	1077	Residential	64	59	55	42	51	0	67	0	71	68	0	62	0	0	0	0	0	70	65
NCA14	1081	Residential	64	59	55	42	43	0	54	0	66	63	0	57	0	0	0	0	0	65	60
NCA14	1086	Residential	64	59	55	42	50	0	66	0	71	68	0	62	0	0	0	0	0	70	65
NCA14	1088	Residential	64	59	55	42	43	0	54	0	66	63	0	57	0	0	0	0	0	65	60
NCA14	1090	Residential	64	59	55	42	51	0	66	0	71	68	0	62	0	0	0	0	0	70	65
NCA14	1093	Residential	64	59	55	42	43	0	55	0	62	59	0	53	0	0	0	0	0	61	56
NCA14	1099	Residential	64	59	55	42	45	0	54	0	63	60	0	54	0	0	0	0	0	62	57
NCA14	1102	Residential	64	59	55	42	41	0	47	0	56	53	0	47	0	0	0	0	0	55	50
NCA14	1105	Residential	64	59	55	42	44	0	51	0	62	59	0	53	0	0	0	0	0	61	56
NCA14	1107	Residential	64	59	55	42	40	0	47	0	57	54	0	48	0	0	0	0	0	56	51
NCA14	1109	Residential	64	59	55	42	42	0	49	0	60	57	0	51	0	0	0	0	0	59	54
NCA14	1111	Residential	64	59	55	42	41	0	48	0	59	56	0	50	0	0	0	0	0	58	53
NCA14	1114	Residential	64	59	55	42	39	0	46	0	58	55	0	49	0	0	0	0	0	57	52
NCA14	1115	Residential	64	59	55	42	40	0	46	0	58	55	0	49	0	0	0	0	0	57	52
NCA14	1119	Residential	64	59	55	42	39	0	45	0	57	54	0	48	0	0	0	0	0	56	51
NCA14	1121	Residential	64	59	55	42	37	0	44	0	56	53	0	47	0	0	0	0	0	55	50
NCA14	1124	Residential	64	59	55	42	38	0	43	0	56	53	0	47	0	0	0	0	0	55	50
NCA14	1126	Residential	64	59	55	42	38	0	43	0	56	53	0	47	0	0	0	0	0	55	50
NCA14	1127	Residential	64	59	55	42	37	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA14	1129	Residential	64	59	55	42	37	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA14	1130	Residential	64	59	55	42	37	0	42	0	55	52	0	46	0	0	0	0	0	54	49
NCA14	1131	Residential	64	59	55	42	36	0	41	0	54	51	0	45	0	0	0	0	0	53	48
NCA14	1133	Residential	64	59	55	42	37	0	41	0	54	51	0	45	0	0	0	0	0	53	48
NCA14	1135	Residential	64	59	55	42	36	0	40	0	53	50	0	44	0	0	0	0	0	52	47
NCA14	1136	Residential	64	59	55	42	35	0	39	0	53	50	0	44	0	0	0	0	0	52	47
NCA14	1137	Residential	64	59	55	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA14	1138	Residential	64	59	55	42	35	0	39	0	52	49	0	43	0	0	0	0	0	51	46
NCA14	1139	Residential	64	59	55	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46
NCA14	1140	Residential	64	59	55	42	35	0	38	0	52	49	0	43	0	0	0	0	0	51	46

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)															
			Day	Weekend day	Evening	Night	00. Line marking	01. Clearing	02. Safety barriers	03. Retaining walls	04. Earthworks	05. Demolition	06. Dredge basin	07. Drainage	08. Bridges piling	09. Pier placement	10. Girders launch	11. Bridge deck	12. Paving cuts	13. Paving select placement	14. Paving asphalt	
NCA14	1141	Commercial	70	70	70	70	34	0	38	0	51	48	0	42	0	0	0	0	0	50	45	
NCA14	1143	Commercial	70	70	70	70	34	0	37	0	51	48	0	42	0	0	0	0	0	50	45	
NCA15	1118	Commercial	70	70	70	70	37	0	43	0	55	52	0	46	0	0	0	0	0	54	49	
NCA15	1134	Commercial	70	70	70	70	33	0	39	0	50	47	0	41	0	0	0	0	0	49	44	
NCA15	1142	Commercial	70	70	70	70	32	0	36	0	49	46	0	40	0	0	0	0	0	48	43	

Table D-2 Predicted construction noise levels per receiver and construction activity for ancillaries

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA01	1	Residential	55	50	50	47	46	47
NCA01	2	Residential	55	50	50	47	47	48
NCA01	3	Church	55	55	55	55	45	46
NCA01	4	Residential	55	50	50	47	49	50
NCA01	5	Residential	55	50	50	47	53	54
NCA01	6	Residential	55	50	50	47	53	54
NCA01	7	Residential	55	50	50	47	50	51
NCA01	8	Residential	55	50	50	47	48	49
NCA01	9	Residential	55	50	50	47	53	54
NCA01	10	Residential	55	50	50	47	45	46
NCA01	11	Residential	55	50	50	47	54	55
NCA01	12	Residential	55	50	50	47	47	48
NCA01	13	Church	55	55	55	55	48	49
NCA01	14	Residential	55	50	50	47	56	57
NCA02	27	Residential	55	50	51	44	43	44
NCA02	28	Residential	55	50	51	44	41	42
NCA02	29	Residential	55	50	51	44	41	42
NCA02	31	Residential	55	50	51	44	40	41
NCA02	32	Residential	55	50	51	44	44	45
NCA02	33	Residential	55	50	51	44	41	42
NCA02	43	Residential	55	50	51	44	43	44
NCA02	49	Residential	55	50	51	44	44	45
NCA02	52	Residential	55	50	51	44	41	42
NCA02	53	Residential	55	50	51	44	41	42
NCA02	56	Residential	55	50	51	44	41	42
NCA02	57	Residential	55	50	51	44	41	42
NCA02	58	Residential	55	50	51	44	40	41
NCA02	60	Residential	55	50	51	44	40	41
NCA02	61	Residential	55	50	51	44	41	42
NCA02	67	Residential	55	50	51	44	41	42
NCA02	70	Residential	55	50	51	44	41	42
NCA02	71	Residential	55	50	51	44	41	42
NCA02	77	Residential	55	50	51	44	41	42
NCA02	81	Residential	55	50	51	44	41	42
NCA02	82	Residential	55	50	51	44	41	42
NCA02	87	Residential	55	50	51	44	41	42
NCA02	89	Residential	55	50	51	44	41	42
NCA02	94	Residential	55	50	51	44	41	42
NCA02	95	Residential	55	50	51	44	41	42
NCA02	96	Residential	55	50	51	44	41	42
NCA02	102	Residential	55	50	51	44	41	42
NCA02	112	Residential	55	50	51	44	41	42
NCA02	119	Residential	55	50	51	44	41	42
NCA02	124	Residential	55	50	51	44	41	42
NCA02	131	Residential	55	50	51	44	41	42
NCA02	133	Residential	55	50	51	44	40	41
NCA02	135	Residential	55	50	51	44	40	41
NCA02	141	Residential	55	50	51	44	41	42
NCA03	16	Residential	55	50	51	44	44	45
NCA03	17	Residential	55	50	51	44	46	47
NCA03	18	Residential	55	50	51	44	45	46
NCA03	19	Residential	55	50	51	44	45	46
NCA03	20	Residential	55	50	51	44	46	47
NCA03	21	Residential	55	50	51	44	48	49
NCA03	22	Residential	55	50	51	44	45	46
NCA03	24	Residential	55	50	51	44	50	51
NCA03	25	Residential	55	50	51	44	49	50
NCA03	26	Residential	55	50	51	44	47	48
NCA03	30	Residential	55	50	51	44	48	49

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA03	35	Residential	55	50	51	44	48	49
NCA03	36	Residential	55	50	51	44	48	49
NCA03	37	Residential	55	50	51	44	48	49
NCA03	38	Residential	55	50	51	44	47	48
NCA03	39	Residential	55	50	51	44	48	49
NCA03	40	Residential	55	50	51	44	47	48
NCA03	41	Residential	55	50	51	44	50	51
NCA03	42	Residential	55	50	51	44	48	49
NCA03	44	Residential	55	50	51	44	50	51
NCA03	45	Residential	55	50	51	44	51	52
NCA03	46	Residential	55	50	51	44	47	48
NCA03	47	Residential	55	50	51	44	45	46
NCA03	48	Residential	55	50	51	44	44	45
NCA03	50	Residential	55	50	51	44	44	45
NCA03	54	Residential	55	50	51	44	47	48
NCA03	55	Residential	55	50	51	44	51	52
NCA03	59	Residential	55	50	51	44	45	46
NCA03	62	Residential	55	50	51	44	52	53
NCA03	63	Residential	55	50	51	44	53	54
NCA03	64	Residential	55	50	51	44	46	47
NCA03	66	Residential	55	50	51	44	43	44
NCA03	69	Residential	55	50	51	44	51	52
NCA03	72	Residential	55	50	51	44	46	47
NCA03	73	Residential	55	50	51	44	53	54
NCA03	74	Residential	55	50	51	44	46	47
NCA03	75	Residential	55	50	51	44	44	45
NCA03	76	Residential	55	50	51	44	46	47
NCA03	78	Residential	55	50	51	44	46	47
NCA03	79	Residential	55	50	51	44	46	47
NCA03	80	Residential	55	50	51	44	51	52
NCA03	83	Residential	55	50	51	44	50	51
NCA03	84	Residential	55	50	51	44	51	52
NCA03	85	Residential	55	50	51	44	46	47
NCA03	86	Residential	55	50	51	44	44	45
NCA03	88	Residential	55	50	51	44	46	47
NCA03	91	Residential	55	50	51	44	45	46
NCA03	92	Residential	55	50	51	44	46	47
NCA03	93	Residential	55	50	51	44	59	60
NCA03	97	Residential	55	50	51	44	50	51
NCA03	98	Residential	55	50	51	44	45	46
NCA03	100	Residential	55	50	51	44	46	47
NCA03	101	Residential	55	50	51	44	46	47
NCA03	103	Residential	55	50	51	44	46	47
NCA03	106	Residential	55	50	51	44	48	49
NCA03	107	Residential	55	50	51	44	49	50
NCA03	109	Residential	55	50	51	44	46	47
NCA03	110	Residential	55	50	51	44	46	47
NCA03	113	Residential	55	50	51	44	47	48
NCA03	114	Residential	55	50	51	44	45	46
NCA03	115	Residential	55	50	51	44	46	47
NCA03	116	Residential	55	50	51	44	45	46
NCA03	118	Residential	55	50	51	44	46	47
NCA03	120	Residential	55	50	51	44	66	67
NCA03	121	Residential	55	50	51	44	50	51
NCA03	123	Residential	55	50	51	44	45	46
NCA03	125	Residential	55	50	51	44	44	45
NCA03	127	Residential	55	50	51	44	45	46
NCA03	128	Residential	55	50	51	44	45	46
NCA03	129	Residential	55	50	51	44	51	52
NCA03	130	Residential	55	50	51	44	69	70
NCA03	132	Residential	55	50	51	44	45	46
NCA03	134	Residential	55	50	51	44	44	45
NCA03	136	Residential	55	50	51	44	45	46
NCA03	137	Residential	55	50	51	44	45	46

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA03	138	Residential	55	50	51	44	50	51
NCA03	140	Residential	55	50	51	44	44	45
NCA03	142	Residential	55	50	51	44	45	46
NCA03	143	Residential	55	50	51	44	66	67
NCA03	144	Residential	55	50	51	44	64	65
NCA03	145	Residential	55	50	51	44	44	45
NCA03	146	Residential	55	50	51	44	50	51
NCA03	147	Residential	55	50	51	44	49	50
NCA03	148	Residential	55	50	51	44	53	54
NCA03	149	Residential	55	50	51	44	48	49
NCA03	150	Residential	55	50	51	44	57	58
NCA03	151	Residential	55	50	51	44	44	45
NCA03	152	Residential	55	50	51	44	49	50
NCA03	153	Residential	55	50	51	44	46	47
NCA03	154	Residential	55	50	51	44	47	48
NCA03	155	Residential	55	50	51	44	45	46
NCA03	156	Residential	55	50	51	44	46	47
NCA03	157	Residential	55	50	51	44	45	46
NCA03	167	Residential	55	50	51	44	54	55
NCA03	170	Residential	55	50	51	44	53	54
NCA03	173	Residential	55	50	51	44	55	56
NCA03	175	Residential	55	50	51	44	44	45
NCA03	178	Residential	55	50	51	44	47	48
NCA03	179	Residential	55	50	51	44	45	46
NCA03	181	Residential	55	50	51	44	43	44
NCA03	182	Residential	55	50	51	44	44	45
NCA03	183	Residential	55	50	51	44	45	46
NCA03	187	Residential	55	50	51	44	36	37
NCA03	188	Residential	55	50	51	44	44	45
NCA03	195	Residential	55	50	51	44	34	35
NCA03	1144	Residential	55	50	51	44	45	46
NCA03	1145	Residential	55	50	51	44	45	46
NCA03	1146	Residential	55	50	51	44	44	45
NCA03	1147	Residential	55	50	51	44	45	46
NCA03	1148	Residential	55	50	51	44	46	47
NCA03	1149	Residential	55	50	51	44	45	46
NCA03	1150	Residential	55	50	51	44	45	46
NCA04	15	Industrial	70	70	70	70	50	51
NCA04	23	Industrial	70	70	70	70	49	50
NCA04	34	Industrial	70	70	70	70	50	51
NCA04	51	Industrial	70	70	70	70	51	52
NCA04	65	Industrial	70	70	70	70	31	32
NCA04	68	Industrial	70	70	70	70	53	54
NCA04	90	Industrial	70	70	70	70	47	48
NCA04	99	Industrial	70	70	70	70	52	53
NCA04	104	Industrial	70	70	70	70	59	60
NCA04	105	Industrial	70	70	70	70	45	46
NCA04	108	Industrial	70	70	70	70	44	45
NCA04	111	Industrial	70	70	70	70	45	46
NCA04	117	Industrial	70	70	70	70	48	49
NCA04	122	Industrial	70	70	70	70	50	51
NCA04	126	Industrial	70	70	70	70	52	53
NCA04	139	Industrial	70	70	70	70	59	60
NCA05	208	Residential	48	43	41	35	44	45
NCA05	211	Residential	48	43	41	35	44	45
NCA05	212	Residential	48	43	41	35	43	44
NCA05	213	Residential	48	43	41	35	43	44
NCA05	216	Residential	48	43	41	35	42	43
NCA05	217	Residential	48	43	41	35	42	43
NCA05	218	Residential	48	43	41	35	42	43
NCA05	231	Residential	48	43	41	35	40	41
NCA05	234	Residential	48	43	41	35	41	42
NCA05	235	Residential	48	43	41	35	42	43
NCA05	236	Residential	48	43	41	35	42	43

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA05	240	Residential	48	43	41	35	44	45
NCA05	244	Residential	48	43	41	35	43	44
NCA05	247	Residential	48	43	41	35	45	46
NCA05	252	Residential	48	43	41	35	46	47
NCA05	259	Residential	48	43	41	35	46	47
NCA05	263	Residential	48	43	41	35	44	45
NCA05	265	Residential	48	43	41	35	44	45
NCA05	266	Residential	48	43	41	35	43	44
NCA05	267	Residential	48	43	41	35	44	45
NCA05	271	Residential	48	43	41	35	45	46
NCA05	274	Residential	48	43	41	35	44	45
NCA05	285	Residential	48	43	41	35	44	45
NCA05	288	Residential	48	43	41	35	43	44
NCA05	295	Residential	48	43	41	35	43	44
NCA05	306	Residential	48	43	41	35	39	40
NCA05	308	Residential	48	43	41	35	42	43
NCA05	309	Residential	48	43	41	35	42	43
NCA05	311	Residential	48	43	41	35	43	44
NCA05	313	Residential	48	43	41	35	43	44
NCA05	315	Residential	48	43	41	35	43	44
NCA05	316	Residential	48	43	41	35	43	44
NCA05	319	Residential	48	43	41	35	43	44
NCA05	322	Residential	48	43	41	35	43	44
NCA05	325	Residential	48	43	41	35	39	40
NCA05	328	Residential	48	43	41	35	37	38
NCA05	331	Residential	48	43	41	35	41	42
NCA05	333	Residential	48	43	41	35	41	42
NCA05	335	Residential	48	43	41	35	41	42
NCA05	339	Residential	48	43	41	35	41	42
NCA05	340	Residential	48	43	41	35	40	41
NCA05	344	Residential	48	43	41	35	40	41
NCA05	346	Residential	48	43	41	35	40	41
NCA05	354	Residential	48	43	41	35	34	35
NCA05	355	Residential	48	43	41	35	38	39
NCA05	356	Residential	48	43	41	35	39	40
NCA05	360	Residential	48	43	41	35	40	41
NCA05	361	Residential	48	43	41	35	39	40
NCA05	362	Residential	48	43	41	35	39	40
NCA05	365	Residential	48	43	41	35	39	40
NCA05	371	Residential	48	43	41	35	35	36
NCA05	373	Residential	48	43	41	35	36	37
NCA05	375	Residential	48	43	41	35	38	39
NCA05	379	Residential	48	43	41	35	39	40
NCA05	382	Residential	48	43	41	35	39	40
NCA05	383	Residential	48	43	41	35	38	39
NCA05	386	Residential	48	43	41	35	38	39
NCA05	387	Residential	48	43	41	35	34	35
NCA05	388	Residential	48	43	41	35	39	40
NCA05	392	Residential	48	43	41	35	38	39
NCA05	394	Residential	48	43	41	35	38	39
NCA05	398	Residential	48	43	41	35	36	37
NCA05	400	Residential	48	43	41	35	38	39
NCA05	401	Residential	48	43	41	35	38	39
NCA05	403	Residential	48	43	41	35	36	37
NCA05	407	Residential	48	43	41	35	36	37
NCA05	408	Residential	48	43	41	35	38	39
NCA05	409	Residential	48	43	41	35	38	39
NCA05	412	Residential	48	43	41	35	38	39
NCA05	415	Residential	48	43	41	35	38	39
NCA05	418	Residential	48	43	41	35	38	39
NCA05	420	Residential	48	43	41	35	30	31
NCA05	423	Residential	48	43	41	35	38	39
NCA05	427	Residential	48	43	41	35	37	38
NCA05	429	Residential	48	43	41	35	38	39

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA05	431	Residential	48	43	41	35	37	38
NCA05	434	Residential	48	43	41	35	37	38
NCA05	438	Residential	48	43	41	35	37	38
NCA05	439	Residential	48	43	41	35	37	38
NCA05	440	Residential	48	43	41	35	37	38
NCA05	443	Residential	48	43	41	35	37	38
NCA05	446	Residential	48	43	41	35	37	38
NCA05	448	Residential	48	43	41	35	37	38
NCA05	450	Residential	48	43	41	35	37	38
NCA05	452	Residential	48	43	41	35	36	37
NCA05	456	Residential	48	43	41	35	37	38
NCA05	460	Residential	48	43	41	35	36	37
NCA05	461	Residential	48	43	41	35	37	38
NCA05	465	Residential	48	43	41	35	37	38
NCA05	469	Residential	48	43	41	35	37	38
NCA05	471	Residential	48	43	41	35	37	38
NCA05	475	Residential	48	43	41	35	37	38
NCA05	481	Residential	48	43	41	35	37	38
NCA05	484	Residential	48	43	41	35	36	37
NCA05	487	Residential	48	43	41	35	36	37
NCA05	490	Residential	48	43	41	35	36	37
NCA05	492	Residential	48	43	41	35	36	37
NCA05	500	Residential	48	43	41	35	37	38
NCA05	503	Residential	48	43	41	35	36	37
NCA05	506	Residential	48	43	41	35	37	38
NCA05	509	Residential	48	43	41	35	36	37
NCA05	511	Residential	48	43	41	35	37	38
NCA05	513	Residential	48	43	41	35	37	38
NCA05	517	Residential	48	43	41	35	37	38
NCA05	519	Residential	48	43	41	35	37	38
NCA05	521	Residential	48	43	41	35	37	38
NCA05	530	Residential	48	43	41	35	37	38
NCA05	533	Residential	48	43	41	35	37	38
NCA05	535	Residential	48	43	41	35	37	38
NCA05	539	Residential	48	43	41	35	37	38
NCA05	544	Residential	48	43	41	35	37	38
NCA05	545	Residential	48	43	41	35	37	38
NCA05	550	Residential	48	43	41	35	37	38
NCA05	553	Residential	48	43	41	35	37	38
NCA05	556	Residential	48	43	41	35	36	37
NCA05	563	Residential	48	43	41	35	36	37
NCA05	574	Residential	48	43	41	35	36	37
NCA05	577	Residential	48	43	41	35	36	37
NCA05	582	Residential	48	43	41	35	35	36
NCA05	598	Residential	48	43	41	35	35	36
NCA05	600	Residential	48	43	41	35	39	40
NCA05	602	Residential	48	43	41	35	39	40
NCA05	606	Residential	48	43	41	35	35	36
NCA05	607	Residential	48	43	41	35	37	38
NCA05	608	Residential	48	43	41	35	37	38
NCA05	609	Residential	48	43	41	35	37	38
NCA05	619	Residential	48	43	41	35	37	38
NCA05	622	Residential	48	43	41	35	36	37
NCA05	623	Residential	48	43	41	35	35	36
NCA05	625	Residential	48	43	41	35	37	38
NCA05	628	Residential	48	43	41	35	37	38
NCA05	629	Residential	48	43	41	35	36	37
NCA05	630	Residential	48	43	41	35	38	39
NCA05	631	Residential	48	43	41	35	38	39
NCA05	641	Residential	48	43	41	35	38	39
NCA05	647	Residential	48	43	41	35	32	33
NCA05	649	Residential	48	43	41	35	33	34
NCA05	650	Residential	48	43	41	35	32	33
NCA05	654	Residential	48	43	41	35	35	36

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA05	656	Residential	48	43	41	35	35	36
NCA05	657	Residential	48	43	41	35	35	36
NCA06	202	Residential	57	52	50	41	51	52
NCA06	203	Residential	57	52	50	41	50	51
NCA06	204	Residential	57	52	50	41	48	49
NCA06	205	Residential	57	52	50	41	48	49
NCA06	206	Residential	57	52	50	41	47	48
NCA06	207	Residential	57	52	50	41	47	48
NCA06	209	Residential	57	52	50	41	46	47
NCA06	226	Residential	57	52	50	41	49	50
NCA06	227	Residential	57	52	50	41	51	52
NCA06	239	Residential	57	52	50	41	35	36
NCA06	241	Residential	57	52	50	41	49	50
NCA06	246	Residential	57	52	50	41	48	49
NCA06	256	Residential	57	52	50	41	44	45
NCA06	257	Residential	57	52	50	41	47	48
NCA06	260	Residential	57	52	50	41	44	45
NCA06	261	Residential	57	52	50	41	48	49
NCA06	262	Residential	57	52	50	41	46	47
NCA06	268	Residential	57	52	50	41	48	49
NCA06	272	Residential	57	52	50	41	38	39
NCA06	273	Residential	57	52	50	41	47	48
NCA06	276	Residential	57	52	50	41	43	44
NCA06	284	Residential	57	52	50	41	46	47
NCA06	291	Residential	57	52	50	41	29	30
NCA06	292	Residential	57	52	50	41	43	44
NCA06	294	Residential	57	52	50	41	29	30
NCA06	304	Residential	57	52	50	41	37	38
NCA06	307	Residential	57	52	50	41	41	42
NCA06	310	Residential	57	52	50	41	39	40
NCA06	314	Residential	57	52	50	41	35	36
NCA06	318	Residential	57	52	50	41	33	34
NCA06	321	Residential	57	52	50	41	40	41
NCA06	324	Residential	57	52	50	41	31	32
NCA06	329	Residential	57	52	50	41	41	42
NCA06	334	Residential	57	52	50	41	29	30
NCA06	350	Residential	57	52	50	41	40	41
NCA06	357	Residential	57	52	50	41	40	41
NCA06	358	Residential	57	52	50	41	34	35
NCA06	367	Residential	57	52	50	41	41	42
NCA06	369	Residential	57	52	50	41	28	29
NCA06	376	Residential	57	52	50	41	40	41
NCA06	377	Residential	57	52	50	41	35	36
NCA06	393	Residential	57	52	50	41	29	30
NCA06	399	Residential	57	52	50	41	30	31
NCA06	404	Residential	57	52	50	41	33	34
NCA06	411	Residential	57	52	50	41	34	35
NCA06	422	Residential	57	52	50	41	38	39
NCA06	425	Residential	57	52	50	41	42	43
NCA06	432	Residential	57	52	50	41	41	42
NCA06	433	Residential	57	52	50	41	30	31
NCA06	437	Residential	57	52	50	41	41	42
NCA06	444	Residential	57	52	50	41	43	44
NCA06	445	Residential	57	52	50	41	35	36
NCA06	451	Residential	57	52	50	41	34	35
NCA06	453	Residential	57	52	50	41	33	34
NCA06	457	Residential	57	52	50	41	33	34
NCA06	462	Residential	57	52	50	41	36	37
NCA06	464	Residential	57	52	50	41	37	38
NCA06	467	Residential	57	52	50	41	35	36
NCA06	472	Residential	57	52	50	41	35	36
NCA06	476	Residential	57	52	50	41	35	36
NCA06	479	Residential	57	52	50	41	34	35
NCA06	485	Residential	57	52	50	41	35	36

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA06	486	Residential	57	52	50	41	37	38
NCA06	496	Residential	57	52	50	41	30	31
NCA06	497	Residential	57	52	50	41	33	34
NCA06	507	Residential	57	52	50	41	33	34
NCA06	508	Residential	57	52	50	41	32	33
NCA06	514	Residential	57	52	50	41	36	37
NCA06	518	Residential	57	52	50	41	34	35
NCA06	531	Residential	57	52	50	41	36	37
NCA06	532	Residential	57	52	50	41	37	38
NCA06	536	Residential	57	52	50	41	36	37
NCA06	537	Residential	57	52	50	41	34	35
NCA06	547	Residential	57	52	50	41	34	35
NCA06	548	Residential	57	52	50	41	35	36
NCA06	554	Residential	57	52	50	41	34	35
NCA06	558	Residential	57	52	50	41	36	37
NCA06	560	Residential	57	52	50	41	35	36
NCA06	566	Residential	57	52	50	41	30	31
NCA06	571	Residential	57	52	50	41	37	38
NCA06	572	Residential	57	52	50	41	36	37
NCA06	576	Residential	57	52	50	41	38	39
NCA06	580	Residential	57	52	50	41	34	35
NCA06	593	Residential	57	52	50	41	38	39
NCA06	594	Residential	57	52	50	41	38	39
NCA06	595	Residential	57	52	50	41	37	38
NCA06	597	Residential	57	52	50	41	37	38
NCA06	611	Residential	57	52	50	41	33	34
NCA06	613	Residential	57	52	50	41	33	34
NCA06	615	Residential	57	52	50	41	40	41
NCA06	616	Residential	57	52	50	41	34	35
NCA06	627	Residential	57	52	50	41	38	39
NCA06	632	Residential	57	52	50	41	39	40
NCA06	636	Residential	57	52	50	41	41	42
NCA06	637	Residential	57	52	50	41	38	39
NCA06	642	Residential	57	52	50	41	38	39
NCA06	643	Residential	57	52	50	41	42	43
NCA06	648	Residential	57	52	50	41	38	39
NCA06	651	Residential	57	52	50	41	41	42
NCA06	653	Residential	57	52	50	41	38	39
NCA06	668	Residential	57	52	50	41	29	30
NCA06	698	Educational	55	55	55	55	37	38
NCA07	158	Residential	60	55	54	44	48	49
NCA07	160	Residential	60	55	54	44	50	51
NCA07	162	Residential	60	55	54	44	49	50
NCA07	163	Residential	60	55	54	44	52	53
NCA07	164	Residential	60	55	54	44	53	54
NCA07	174	Residential	60	55	54	44	53	54
NCA07	185	Residential	60	55	54	44	45	46
NCA07	192	Residential	60	55	54	44	49	50
NCA07	198	Residential	60	55	54	44	42	43
NCA07	200	Residential	60	55	54	44	48	49
NCA07	201	Residential	60	55	54	44	44	45
NCA07	210	Residential	60	55	54	44	47	48
NCA07	214	Residential	60	55	54	44	48	49
NCA07	215	Residential	60	55	54	44	50	51
NCA07	219	Residential	60	55	54	44	44	45
NCA07	222	Residential	60	55	54	44	47	48
NCA07	229	Residential	60	55	54	44	47	48
NCA07	233	Residential	60	55	54	44	48	49
NCA07	237	Residential	60	55	54	44	48	49
NCA07	238	Residential	60	55	54	44	34	35
NCA07	242	Residential	60	55	54	44	38	39
NCA07	243	Residential	60	55	54	44	31	32
NCA07	250	Residential	60	55	54	44	44	45
NCA07	258	Residential	60	55	54	44	46	47

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA07	264	Residential	60	55	54	44	46	47
NCA07	269	Residential	60	55	54	44	42	43
NCA07	281	Residential	60	55	54	44	31	32
NCA07	287	Residential	60	55	54	44	44	45
NCA07	312	Residential	60	55	54	44	41	42
NCA07	317	Commercial	70	70	70	70	42	43
NCA07	341	Residential	60	55	54	44	37	38
NCA07	345	Residential	60	55	54	44	34	35
NCA07	352	Residential	60	55	54	44	36	37
NCA07	359	Residential	60	55	54	44	34	35
NCA07	363	Residential	60	55	54	44	33	34
NCA07	368	Residential	60	55	54	44	32	33
NCA07	378	Residential	60	55	54	44	31	32
NCA07	384	Residential	60	55	54	44	42	43
NCA07	390	Residential	60	55	54	44	42	43
NCA07	391	Residential	60	55	54	44	42	43
NCA07	395	Residential	60	55	54	44	35	36
NCA07	396	Residential	60	55	54	44	42	43
NCA07	402	Residential	60	55	54	44	44	45
NCA07	405	Residential	60	55	54	44	41	42
NCA07	406	Residential	60	55	54	44	34	35
NCA07	410	Residential	60	55	54	44	43	44
NCA07	413	Residential	60	55	54	44	39	40
NCA07	414	Residential	60	55	54	44	41	42
NCA07	416	Residential	60	55	54	44	43	44
NCA07	419	Residential	60	55	54	44	42	43
NCA07	421	Residential	60	55	54	44	32	33
NCA07	424	Residential	60	55	54	44	43	44
NCA07	426	Residential	60	55	54	44	40	41
NCA07	428	Residential	60	55	54	44	40	41
NCA07	435	Residential	60	55	54	44	40	41
NCA07	436	Residential	60	55	54	44	43	44
NCA07	441	Residential	60	55	54	44	40	41
NCA07	447	Residential	60	55	54	44	40	41
NCA07	449	Residential	60	55	54	44	36	37
NCA07	454	Residential	60	55	54	44	41	42
NCA07	455	Residential	60	55	54	44	40	41
NCA07	459	Residential	60	55	54	44	39	40
NCA07	466	Residential	60	55	54	44	39	40
NCA07	468	Residential	60	55	54	44	40	41
NCA07	473	Residential	60	55	54	44	38	39
NCA07	480	Residential	60	55	54	44	38	39
NCA07	488	Residential	60	55	54	44	40	41
NCA07	493	Residential	60	55	54	44	36	37
NCA08	159	Residential	52	47	47	42	41	42
NCA08	161	Residential	52	47	47	42	41	42
NCA08	165	Residential	52	47	47	42	43	44
NCA08	166	Residential	52	47	47	42	43	44
NCA08	168	Residential	52	47	47	42	43	44
NCA08	169	Residential	52	47	47	42	43	44
NCA08	171	Residential	52	47	47	42	29	30
NCA08	172	Residential	52	47	47	42	43	44
NCA08	176	Residential	52	47	47	42	42	43
NCA08	177	Residential	52	47	47	42	42	43
NCA08	180	Residential	52	47	47	42	42	43
NCA08	184	Residential	52	47	47	42	43	44
NCA08	186	Residential	52	47	47	42	43	44
NCA08	189	Residential	52	47	47	42	43	44
NCA08	190	Residential	52	47	47	42	43	44
NCA08	191	Residential	52	47	47	42	43	44
NCA08	193	Residential	52	47	47	42	43	44
NCA08	194	Residential	52	47	47	42	43	44
NCA08	196	Residential	52	47	47	42	43	44
NCA08	197	Residential	52	47	47	42	43	44

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA08	199	Residential	52	47	47	42	45	46
NCA08	220	Residential	52	47	47	42	43	44
NCA08	221	Residential	52	47	47	42	42	43
NCA08	223	Residential	52	47	47	42	42	43
NCA08	224	Residential	52	47	47	42	43	44
NCA08	225	Residential	52	47	47	42	42	43
NCA08	228	Residential	52	47	47	42	43	44
NCA08	230	Residential	52	47	47	42	44	45
NCA08	232	Residential	52	47	47	42	44	45
NCA08	245	Residential	52	47	47	42	42	43
NCA08	248	Residential	52	47	47	42	43	44
NCA08	249	Residential	52	47	47	42	43	44
NCA08	251	Residential	52	47	47	42	41	42
NCA08	253	Residential	52	47	47	42	43	44
NCA08	254	Residential	52	47	47	42	46	47
NCA08	255	Residential	52	47	47	42	46	47
NCA08	270	Residential	52	47	47	42	34	35
NCA08	275	Residential	52	47	47	42	40	41
NCA08	277	Residential	52	47	47	42	40	41
NCA08	278	Residential	52	47	47	42	40	41
NCA08	279	Residential	52	47	47	42	40	41
NCA08	280	Residential	52	47	47	42	43	44
NCA08	282	Residential	52	47	47	42	40	41
NCA08	283	Residential	52	47	47	42	41	42
NCA08	286	Residential	52	47	47	42	38	39
NCA08	289	Residential	52	47	47	42	31	32
NCA08	290	Residential	52	47	47	42	40	41
NCA08	293	Residential	52	47	47	42	40	41
NCA08	296	Residential	52	47	47	42	41	42
NCA08	297	Residential	52	47	47	42	40	41
NCA08	298	Residential	52	47	47	42	41	42
NCA08	299	Residential	52	47	47	42	40	41
NCA08	300	Residential	52	47	47	42	38	39
NCA08	301	Residential	52	47	47	42	40	41
NCA08	302	Residential	52	47	47	42	38	39
NCA08	303	Residential	52	47	47	42	40	41
NCA08	305	Residential	52	47	47	42	44	45
NCA08	320	Residential	52	47	47	42	34	35
NCA08	323	Residential	52	47	47	42	40	41
NCA08	326	Residential	52	47	47	42	39	40
NCA08	327	Residential	52	47	47	42	37	38
NCA08	330	Residential	52	47	47	42	40	41
NCA08	332	Residential	52	47	47	42	41	42
NCA08	336	Residential	52	47	47	42	40	41
NCA08	337	Residential	52	47	47	42	40	41
NCA08	338	Residential	52	47	47	42	40	41
NCA08	342	Residential	52	47	47	42	39	40
NCA08	343	Residential	52	47	47	42	38	39
NCA08	347	Residential	52	47	47	42	39	40
NCA08	348	Residential	52	47	47	42	39	40
NCA08	349	Residential	52	47	47	42	39	40
NCA08	351	Residential	52	47	47	42	39	40
NCA08	353	Residential	52	47	47	42	40	41
NCA08	364	Residential	52	47	47	42	39	40
NCA08	366	Residential	52	47	47	42	38	39
NCA08	370	Residential	52	47	47	42	39	40
NCA08	372	Residential	52	47	47	42	38	39
NCA08	374	Residential	52	47	47	42	39	40
NCA08	380	Residential	52	47	47	42	39	40
NCA08	381	Residential	52	47	47	42	41	42
NCA08	385	Residential	52	47	47	42	42	43
NCA08	389	Residential	52	47	47	42	37	38
NCA08	397	Residential	52	47	47	42	38	39
NCA09	417	Residential	57	52	50	41	40	41

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA09	430	Residential	57	52	50	41	37	38
NCA09	442	Residential	57	52	50	41	40	41
NCA09	458	Residential	57	52	50	41	38	39
NCA09	474	Residential	57	52	50	41	39	40
NCA09	482	Residential	57	52	50	41	39	40
NCA09	495	Residential	57	52	50	41	38	39
NCA09	501	Residential	57	52	50	41	38	39
NCA09	512	Residential	57	52	50	41	37	38
NCA09	516	Residential	57	52	50	41	38	39
NCA09	520	Residential	57	52	50	41	38	39
NCA09	528	Residential	57	52	50	41	40	41
NCA09	529	Residential	57	52	50	41	37	38
NCA09	534	Residential	57	52	50	41	38	39
NCA09	538	Residential	57	52	50	41	37	38
NCA09	549	Residential	57	52	50	41	33	34
NCA09	551	Residential	57	52	50	41	38	39
NCA09	552	Residential	57	52	50	41	37	38
NCA09	555	Residential	57	52	50	41	39	40
NCA09	557	Residential	57	52	50	41	37	38
NCA09	559	Residential	57	52	50	41	35	36
NCA09	561	Residential	57	52	50	41	37	38
NCA09	567	Residential	57	52	50	41	37	38
NCA09	568	Residential	57	52	50	41	37	38
NCA09	573	Residential	57	52	50	41	37	38
NCA09	575	Residential	57	52	50	41	38	39
NCA09	578	Residential	57	52	50	41	36	37
NCA09	581	Residential	57	52	50	41	32	33
NCA09	584	Residential	57	52	50	41	38	39
NCA09	587	Residential	57	52	50	41	34	35
NCA09	589	Residential	57	52	50	41	37	38
NCA09	590	Residential	57	52	50	41	40	41
NCA09	601	Residential	57	52	50	41	32	33
NCA09	603	Residential	57	52	50	41	34	35
NCA09	604	Residential	57	52	50	41	32	33
NCA09	612	Residential	57	52	50	41	34	35
NCA09	614	Residential	57	52	50	41	35	36
NCA09	618	Residential	57	52	50	41	36	37
NCA09	621	Residential	57	52	50	41	34	35
NCA09	626	Residential	57	52	50	41	34	35
NCA09	633	Residential	57	52	50	41	34	35
NCA09	634	Residential	57	52	50	41	26	27
NCA09	638	Residential	57	52	50	41	30	31
NCA09	639	Residential	57	52	50	41	29	30
NCA09	644	Residential	57	52	50	41	25	26
NCA09	646	Residential	57	52	50	41	29	30
NCA09	652	Residential	57	52	50	41	27	28
NCA09	658	Residential	57	52	50	41	25	26
NCA09	659	Residential	57	52	50	41	26	27
NCA09	661	Residential	57	52	50	41	32	33
NCA09	665	Residential	57	52	50	41	34	35
NCA09	666	Residential	57	52	50	41	32	33
NCA09	672	Residential	57	52	50	41	32	33
NCA09	675	Residential	57	52	50	41	36	37
NCA09	680	Educational	55	55	55	55	29	30
NCA09	684	Residential	57	52	50	41	27	28
NCA09	685	Residential	57	52	50	41	36	37
NCA09	689	Residential	57	52	50	41	40	41
NCA09	691	Residential	57	52	50	41	40	41
NCA09	693	Residential	57	52	50	41	41	42
NCA09	702	Residential	57	52	50	41	39	40
NCA09	703	Residential	57	52	50	41	29	30
NCA09	707	Residential	57	52	50	41	38	39
NCA09	711	Residential	57	52	50	41	41	42
NCA09	714	Residential	57	52	50	41	43	44

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA09	720	Residential	57	52	50	41	43	44
NCA10	463	Residential	52	47	47	42	36	37
NCA10	470	Residential	52	47	47	42	38	39
NCA10	477	Residential	52	47	47	42	37	38
NCA10	478	Residential	52	47	47	42	38	39
NCA10	483	Residential	52	47	47	42	37	38
NCA10	489	Residential	52	47	47	42	38	39
NCA10	491	Residential	52	47	47	42	37	38
NCA10	494	Residential	52	47	47	42	37	38
NCA10	498	Residential	52	47	47	42	38	39
NCA10	499	Residential	52	47	47	42	38	39
NCA10	502	Residential	52	47	47	42	38	39
NCA10	504	Residential	52	47	47	42	37	38
NCA10	505	Residential	52	47	47	42	38	39
NCA10	510	Residential	52	47	47	42	38	39
NCA10	515	Residential	52	47	47	42	37	38
NCA10	522	Residential	52	47	47	42	38	39
NCA10	523	Residential	52	47	47	42	38	39
NCA10	524	Residential	52	47	47	42	38	39
NCA10	525	Residential	52	47	47	42	38	39
NCA10	526	Residential	52	47	47	42	38	39
NCA10	527	Residential	52	47	47	42	38	39
NCA10	540	Residential	52	47	47	42	38	39
NCA10	541	Residential	52	47	47	42	38	39
NCA10	542	Residential	52	47	47	42	38	39
NCA10	543	Residential	52	47	47	42	38	39
NCA10	546	Residential	52	47	47	42	38	39
NCA10	562	Residential	52	47	47	42	36	37
NCA10	564	Residential	52	47	47	42	38	39
NCA10	565	Residential	52	47	47	42	38	39
NCA10	569	Residential	52	47	47	42	38	39
NCA10	570	Residential	52	47	47	42	38	39
NCA10	579	Residential	52	47	47	42	36	37
NCA10	583	Residential	52	47	47	42	38	39
NCA10	585	Residential	52	47	47	42	36	37
NCA10	586	Residential	52	47	47	42	39	40
NCA10	588	Residential	52	47	47	42	39	40
NCA10	591	Residential	52	47	47	42	36	37
NCA10	592	Residential	52	47	47	42	39	40
NCA10	596	Residential	52	47	47	42	36	37
NCA10	599	Residential	52	47	47	42	39	40
NCA10	605	Residential	52	47	47	42	38	39
NCA10	610	Residential	52	47	47	42	38	39
NCA10	617	Residential	52	47	47	42	39	40
NCA10	620	Residential	52	47	47	42	39	40
NCA10	624	Residential	52	47	47	42	39	40
NCA10	635	Residential	52	47	47	42	39	40
NCA10	640	Residential	52	47	47	42	39	40
NCA10	645	Residential	52	47	47	42	39	40
NCA10	655	Residential	52	47	47	42	39	40
NCA10	660	Residential	52	47	47	42	40	41
NCA10	662	Residential	52	47	47	42	40	41
NCA10	663	Residential	52	47	47	42	40	41
NCA10	664	Residential	52	47	47	42	40	41
NCA10	667	Residential	52	47	47	42	40	41
NCA10	669	Residential	52	47	47	42	40	41
NCA10	670	Residential	52	47	47	42	40	41
NCA10	671	Residential	52	47	47	42	40	41
NCA10	673	Residential	52	47	47	42	41	42
NCA10	674	Residential	52	47	47	42	40	41
NCA10	676	Residential	52	47	47	42	41	42
NCA10	677	Residential	52	47	47	42	40	41
NCA10	678	Residential	52	47	47	42	40	41
NCA10	679	Residential	52	47	47	42	41	42

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA10	681	Residential	52	47	47	42	40	41
NCA10	682	Residential	52	47	47	42	40	41
NCA10	683	Residential	52	47	47	42	40	41
NCA10	686	Residential	52	47	47	42	39	40
NCA10	687	Residential	52	47	47	42	40	41
NCA10	688	Residential	52	47	47	42	40	41
NCA10	690	Residential	52	47	47	42	39	40
NCA10	692	Residential	52	47	47	42	40	41
NCA10	694	Residential	52	47	47	42	40	41
NCA10	695	Residential	52	47	47	42	40	41
NCA10	696	Residential	52	47	47	42	37	38
NCA10	697	Residential	52	47	47	42	40	41
NCA10	699	Residential	52	47	47	42	40	41
NCA10	700	Residential	52	47	47	42	38	39
NCA10	701	Residential	52	47	47	42	39	40
NCA10	704	Residential	52	47	47	42	41	42
NCA10	706	Residential	52	47	47	42	40	41
NCA10	708	Residential	52	47	47	42	40	41
NCA10	709	Residential	52	47	47	42	40	41
NCA10	710	Residential	52	47	47	42	40	41
NCA10	712	Residential	52	47	47	42	39	40
NCA10	713	Residential	52	47	47	42	39	40
NCA10	715	Residential	52	47	47	42	39	40
NCA10	716	Residential	52	47	47	42	39	40
NCA10	722	Residential	52	47	47	42	40	41
NCA10	729	Residential	52	47	47	42	40	41
NCA10	737	Residential	52	47	47	42	40	41
NCA10	738	Residential	52	47	47	42	40	41
NCA10	739	Residential	52	47	47	42	40	41
NCA10	740	Residential	52	47	47	42	39	40
NCA10	741	Residential	52	47	47	42	39	40
NCA10	742	Residential	52	47	47	42	38	39
NCA10	743	Residential	52	47	47	42	38	39
NCA10	746	Residential	52	47	47	42	38	39
NCA10	754	Residential	52	47	47	42	40	41
NCA10	755	Residential	52	47	47	42	40	41
NCA10	757	Residential	52	47	47	42	40	41
NCA10	759	Residential	52	47	47	42	39	40
NCA10	764	Residential	52	47	47	42	39	40
NCA10	766	Residential	52	47	47	42	41	42
NCA10	771	Residential	52	47	47	42	38	39
NCA10	773	Residential	52	47	47	42	42	43
NCA10	777	Residential	52	47	47	42	42	43
NCA10	780	Residential	52	47	47	42	42	43
NCA10	781	Residential	52	47	47	42	41	42
NCA10	788	Residential	52	47	47	42	41	42
NCA10	790	Residential	52	47	47	42	42	43
NCA10	797	Residential	52	47	47	42	43	44
NCA10	808	Residential	52	47	47	42	43	44
NCA10	809	Residential	52	47	47	42	45	46
NCA10	816	Residential	52	47	47	42	45	46
NCA10	821	Residential	52	47	47	42	43	44
NCA10	833	Residential	52	47	47	42	44	45
NCA10	842	Residential	52	47	47	42	45	46
NCA10	846	Residential	52	47	47	42	47	48
NCA10	848	Residential	52	47	47	42	48	49
NCA10	879	Residential	52	47	47	42	56	57
NCA10	884	Residential	52	47	47	42	54	55
NCA10	886	Residential	52	47	47	42	53	54
NCA10	889	Residential	52	47	47	42	52	53
NCA10	891	Residential	52	47	47	42	51	52
NCA10	892	Residential	52	47	47	42	50	51
NCA10	897	Residential	52	47	47	42	49	50
NCA10	899	Residential	52	47	47	42	47	48

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA10	900	Residential	52	47	47	42	46	47
NCA10	901	Residential	52	47	47	42	48	49
NCA10	903	Residential	52	47	47	42	46	47
NCA10	904	Residential	52	47	47	42	45	46
NCA10	914	Residential	52	47	47	42	47	48
NCA10	923	Residential	52	47	47	42	45	46
NCA10	930	Residential	52	47	47	42	48	49
NCA10	933	Residential	52	47	47	42	48	49
NCA10	938	Residential	52	47	47	42	46	47
NCA10	940	Residential	52	47	47	42	47	48
NCA10	943	Residential	52	47	47	42	47	48
NCA10	946	Residential	52	47	47	42	46	47
NCA10	949	Residential	52	47	47	42	45	46
NCA10	951	Residential	52	47	47	42	44	45
NCA10	955	Residential	52	47	47	42	44	45
NCA10	963	Residential	52	47	47	42	47	48
NCA10	966	Residential	52	47	47	42	44	45
NCA10	967	Residential	52	47	47	42	44	45
NCA10	972	Residential	52	47	47	42	47	48
NCA10	976	Residential	52	47	47	42	44	45
NCA10	977	Residential	52	47	47	42	43	44
NCA10	982	Residential	52	47	47	42	42	43
NCA10	986	Residential	52	47	47	42	42	43
NCA10	988	Residential	52	47	47	42	46	47
NCA10	992	Residential	52	47	47	42	44	45
NCA10	997	Residential	52	47	47	42	45	46
NCA10	1001	Residential	52	47	47	42	41	42
NCA10	1002	Residential	52	47	47	42	42	43
NCA10	1003	Residential	52	47	47	42	40	41
NCA10	1012	Residential	52	47	47	42	43	44
NCA10	1015	Residential	52	47	47	42	43	44
NCA10	1017	Residential	52	47	47	42	40	41
NCA10	1019	Residential	52	47	47	42	41	42
NCA10	1022	Residential	52	47	47	42	39	40
NCA10	1024	Residential	52	47	47	42	39	40
NCA10	1027	Residential	52	47	47	42	41	42
NCA10	1028	Residential	52	47	47	42	38	39
NCA10	1029	Residential	52	47	47	42	39	40
NCA10	1032	Residential	52	47	47	42	40	41
NCA10	1035	Residential	52	47	47	42	39	40
NCA10	1036	Residential	52	47	47	42	39	40
NCA10	1039	Residential	52	47	47	42	38	39
NCA10	1040	Residential	52	47	47	42	39	40
NCA10	1041	Residential	52	47	47	42	38	39
NCA10	1042	Residential	52	47	47	42	38	39
NCA10	1044	Residential	52	47	47	42	38	39
NCA10	1047	Residential	52	47	47	42	38	39
NCA10	1050	Residential	52	47	47	42	36	37
NCA10	1056	Residential	52	47	47	42	37	38
NCA10	1058	Residential	52	47	47	42	37	38
NCA10	1059	Residential	52	47	47	42	38	39
NCA10	1063	Residential	52	47	47	42	37	38
NCA10	1068	Residential	52	47	47	42	34	35
NCA10	1070	Residential	52	47	47	42	34	35
NCA10	1073	Residential	52	47	47	42	34	35
NCA10	1084	Residential	52	47	47	42	35	36
NCA10	1085	Residential	52	47	47	42	34	35
NCA10	1087	Residential	52	47	47	42	32	33
NCA10	1094	Residential	52	47	47	42	33	34
NCA10	1103	Residential	52	47	47	42	34	35
NCA10	1106	Residential	52	47	47	42	35	36
NCA10	1108	Residential	52	47	47	42	34	35
NCA10	1110	Residential	52	47	47	42	34	35
NCA10	1112	Residential	52	47	47	42	34	35

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA10	1113	Residential	52	47	47	42	35	36
NCA10	1116	Residential	52	47	47	42	35	36
NCA10	1117	Residential	52	47	47	42	35	36
NCA10	1120	Residential	52	47	47	42	35	36
NCA10	1122	Residential	52	47	47	42	35	36
NCA10	1123	Residential	52	47	47	42	35	36
NCA10	1125	Residential	52	47	47	42	35	36
NCA10	1128	Residential	52	47	47	42	35	36
NCA10	1132	Residential	52	47	47	42	36	37
NCA11	727	Residential	48	43	41	35	41	42
NCA11	733	Residential	48	43	41	35	41	42
NCA11	735	Residential	48	43	41	35	39	40
NCA11	745	Residential	48	43	41	35	40	41
NCA11	751	Residential	48	43	41	35	40	41
NCA11	760	Residential	48	43	41	35	42	43
NCA11	762	Residential	48	43	41	35	40	41
NCA11	763	Residential	48	43	41	35	39	40
NCA11	765	Residential	48	43	41	35	39	40
NCA11	768	Residential	48	43	41	35	38	39
NCA11	776	Residential	48	43	41	35	34	35
NCA11	779	Residential	48	43	41	35	43	44
NCA11	782	Residential	48	43	41	35	45	46
NCA11	785	Residential	48	43	41	35	43	44
NCA11	789	Residential	48	43	41	35	41	42
NCA11	792	Residential	48	43	41	35	40	41
NCA11	796	Residential	48	43	41	35	42	43
NCA11	804	Residential	48	43	41	35	34	35
NCA11	807	Residential	48	43	41	35	38	39
NCA11	811	Residential	48	43	41	35	44	45
NCA11	814	Residential	48	43	41	35	33	34
NCA11	818	Residential	48	43	41	35	37	38
NCA11	819	Residential	48	43	41	35	31	32
NCA11	825	Residential	48	43	41	35	38	39
NCA11	826	Residential	48	43	41	35	33	34
NCA11	828	Residential	48	43	41	35	30	31
NCA11	832	Residential	48	43	41	35	40	41
NCA11	836	Residential	48	43	41	35	32	33
NCA11	838	Residential	48	43	41	35	41	42
NCA11	844	Residential	48	43	41	35	40	41
NCA11	849	Residential	48	43	41	35	26	27
NCA11	853	Residential	48	43	41	35	44	45
NCA11	855	Residential	48	43	41	35	44	45
NCA11	856	Residential	48	43	41	35	31	32
NCA11	857	Residential	48	43	41	35	43	44
NCA11	860	Residential	48	43	41	35	24	25
NCA11	863	Residential	48	43	41	35	41	42
NCA11	865	Residential	48	43	41	35	43	44
NCA11	866	Residential	48	43	41	35	36	37
NCA11	871	Residential	48	43	41	35	29	30
NCA11	873	Residential	48	43	41	35	44	45
NCA11	874	Residential	48	43	41	35	41	42
NCA11	877	Residential	48	43	41	35	43	44
NCA11	878	Residential	48	43	41	35	44	45
NCA11	881	Residential	48	43	41	35	46	47
NCA11	883	Residential	48	43	41	35	44	45
NCA11	885	Residential	48	43	41	35	44	45
NCA11	890	Residential	48	43	41	35	41	42
NCA11	894	Residential	48	43	41	35	39	40
NCA11	896	Residential	48	43	41	35	29	30
NCA11	898	Residential	48	43	41	35	48	49
NCA11	906	Residential	48	43	41	35	43	44
NCA11	907	Residential	48	43	41	35	47	48
NCA11	908	Residential	48	43	41	35	46	47
NCA11	909	Residential	48	43	41	35	42	43

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA11	910	Residential	48	43	41	35	45	46
NCA11	911	Residential	48	43	41	35	45	46
NCA11	912	Residential	48	43	41	35	39	40
NCA11	915	Residential	48	43	41	35	32	33
NCA11	916	Residential	48	43	41	35	44	45
NCA11	921	Residential	48	43	41	35	45	46
NCA11	922	Residential	48	43	41	35	46	47
NCA11	924	Residential	48	43	41	35	45	46
NCA11	925	Residential	48	43	41	35	45	46
NCA11	929	Residential	48	43	41	35	45	46
NCA11	932	Residential	48	43	41	35	45	46
NCA11	937	Residential	48	43	41	35	46	47
NCA11	939	Residential	48	43	41	35	44	45
NCA11	947	Residential	48	43	41	35	46	47
NCA11	953	Residential	48	43	41	35	45	46
NCA11	956	Residential	48	43	41	35	27	28
NCA11	957	Residential	48	43	41	35	46	47
NCA11	962	Residential	48	43	41	35	44	45
NCA11	964	Residential	48	43	41	35	44	45
NCA11	965	Educational	55	55	55	55	39	40
NCA11	968	Residential	48	43	41	35	36	37
NCA11	969	Residential	48	43	41	35	28	29
NCA11	979	Residential	48	43	41	35	38	39
NCA11	980	Residential	48	43	41	35	35	36
NCA11	981	Residential	48	43	41	35	28	29
NCA11	993	Residential	48	43	41	35	35	36
NCA11	994	Residential	48	43	41	35	37	38
NCA11	995	Residential	48	43	41	35	39	40
NCA11	996	Residential	48	43	41	35	42	43
NCA11	998	Residential	48	43	41	35	43	44
NCA11	1005	Residential	48	43	41	35	35	36
NCA11	1016	Residential	48	43	41	35	43	44
NCA11	1018	Residential	48	43	41	35	34	35
NCA11	1023	Residential	48	43	41	35	36	37
NCA11	1026	Residential	48	43	41	35	27	28
NCA11	1030	Residential	48	43	41	35	38	39
NCA11	1031	Residential	48	43	41	35	26	27
NCA11	1033	Residential	48	43	41	35	26	27
NCA11	1034	Residential	48	43	41	35	27	28
NCA11	1037	Residential	48	43	41	35	35	36
NCA11	1038	Residential	48	43	41	35	27	28
NCA11	1048	Residential	48	43	41	35	39	40
NCA11	1049	Residential	48	43	41	35	39	40
NCA11	1051	Residential	48	43	41	35	40	41
NCA11	1052	Residential	48	43	41	35	39	40
NCA11	1054	Residential	48	43	41	35	36	37
NCA11	1066	Residential	48	43	41	35	34	35
NCA11	1075	Residential	48	43	41	35	38	39
NCA11	1078	Residential	48	43	41	35	36	37
NCA11	1079	Residential	48	43	41	35	38	39
NCA11	1080	Residential	48	43	41	35	38	39
NCA11	1082	Residential	48	43	41	35	37	38
NCA11	1091	Residential	48	43	41	35	37	38
NCA11	1092	Residential	48	43	41	35	38	39
NCA11	1095	Residential	48	43	41	35	39	40
NCA11	1096	Residential	48	43	41	35	39	40
NCA11	1097	Residential	48	43	41	35	39	40
NCA11	1098	Residential	48	43	41	35	38	39
NCA11	1100	Residential	48	43	41	35	39	40
NCA11	1101	Residential	48	43	41	35	39	40
NCA11	1104	Residential	48	43	41	35	39	40
NCA12	705	Residential	64	59	55	42	42	43
NCA12	717	Residential	64	59	55	42	42	43
NCA12	724	Residential	64	59	55	42	26	27

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA12	725	Residential	64	59	55	42	30	31
NCA12	728	Residential	64	59	55	42	44	45
NCA12	731	Residential	64	59	55	42	43	44
NCA12	732	Residential	64	59	55	42	44	45
NCA12	744	Residential	64	59	55	42	44	45
NCA12	747	Residential	64	59	55	42	43	44
NCA12	749	Residential	64	59	55	42	43	44
NCA12	761	Residential	64	59	55	42	45	46
NCA12	770	Residential	64	59	55	42	46	47
NCA12	772	Residential	64	59	55	42	44	45
NCA12	775	Residential	64	59	55	42	44	45
NCA12	783	Residential	64	59	55	42	46	47
NCA12	784	Residential	64	59	55	42	29	30
NCA12	786	Residential	64	59	55	42	28	29
NCA12	787	Residential	64	59	55	42	49	50
NCA12	794	Residential	64	59	55	42	50	51
NCA12	798	Residential	64	59	55	42	45	46
NCA12	799	Residential	64	59	55	42	47	48
NCA12	802	Residential	64	59	55	42	46	47
NCA12	803	Residential	64	59	55	42	51	52
NCA12	805	Residential	64	59	55	42	45	46
NCA12	812	Residential	64	59	55	42	43	44
NCA12	815	Residential	64	59	55	42	51	52
NCA12	817	Residential	64	59	55	42	46	47
NCA12	823	Residential	64	59	55	42	49	50
NCA12	824	Residential	64	59	55	42	53	54
NCA12	827	Residential	64	59	55	42	46	47
NCA12	829	Residential	64	59	55	42	54	55
NCA12	834	Residential	64	59	55	42	46	47
NCA12	835	Residential	64	59	55	42	49	50
NCA12	840	Residential	64	59	55	42	47	48
NCA12	841	Residential	64	59	55	42	50	51
NCA12	843	Residential	64	59	55	42	55	56
NCA12	850	Residential	64	59	55	42	56	57
NCA12	851	Residential	64	59	55	42	51	52
NCA12	852	Residential	64	59	55	42	48	49
NCA12	858	Residential	64	59	55	42	49	50
NCA12	859	Residential	64	59	55	42	58	59
NCA12	862	Residential	64	59	55	42	53	54
NCA12	867	Residential	64	59	55	42	49	50
NCA12	869	Residential	64	59	55	42	49	50
NCA12	875	Residential	64	59	55	42	59	60
NCA12	876	Residential	64	59	55	42	50	51
NCA12	880	Residential	64	59	55	42	52	53
NCA12	882	Residential	64	59	55	42	59	60
NCA12	887	Residential	64	59	55	42	48	49
NCA12	888	Residential	64	59	55	42	53	54
NCA12	893	Residential	64	59	55	42	59	60
NCA12	895	Residential	64	59	55	42	53	54
NCA12	905	Residential	64	59	55	42	58	59
NCA12	913	Residential	64	59	55	42	50	51
NCA12	919	Residential	64	59	55	42	57	58
NCA12	920	Residential	64	59	55	42	48	49
NCA12	926	Residential	64	59	55	42	49	50
NCA12	927	Residential	64	59	55	42	57	58
NCA12	936	Residential	64	59	55	42	49	50
NCA12	941	Residential	64	59	55	42	56	57
NCA12	942	Residential	64	59	55	42	50	51
NCA12	944	Residential	64	59	55	42	48	49
NCA12	945	Residential	64	59	55	42	55	56
NCA12	954	Residential	64	59	55	42	47	48
NCA12	958	Residential	64	59	55	42	48	49
NCA12	961	Residential	64	59	55	42	51	52
NCA12	970	Residential	64	59	55	42	53	54

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA12	973	Residential	64	59	55	42	46	47
NCA12	975	Residential	64	59	55	42	48	49
NCA12	983	Residential	64	59	55	42	48	49
NCA12	989	Residential	64	59	55	42	46	47
NCA12	991	Commercial	70	70	70	70	49	50
NCA12	999	Residential	64	59	55	42	44	45
NCA12	1000	Residential	64	59	55	42	48	49
NCA12	1010	Residential	64	59	55	42	46	47
NCA12	1011	Residential	64	59	55	42	42	43
NCA12	1020	Residential	64	59	55	42	45	46
NCA12	1021	Residential	64	59	55	42	47	48
NCA12	1025	Residential	64	59	55	42	28	29
NCA12	1043	Residential	64	59	55	42	43	44
NCA12	1046	Residential	64	59	55	42	42	43
NCA12	1053	Residential	64	59	55	42	43	44
NCA12	1055	Residential	64	59	55	42	26	27
NCA12	1057	Residential	64	59	55	42	26	27
NCA12	1060	Residential	64	59	55	42	40	41
NCA12	1061	Residential	64	59	55	42	43	44
NCA12	1067	Residential	64	59	55	42	42	43
NCA12	1069	Residential	64	59	55	42	28	29
NCA12	1074	Residential	64	59	55	42	33	34
NCA12	1076	Residential	64	59	55	42	42	43
NCA12	1083	Residential	64	59	55	42	25	26
NCA12	1089	Residential	64	59	55	42	43	44
NCA13	718	Residential	64	59	55	42	36	37
NCA13	719	Residential	64	59	55	42	37	38
NCA13	721	Residential	64	59	55	42	27	28
NCA13	723	Residential	64	59	55	42	27	28
NCA13	726	Residential	64	59	55	42	27	28
NCA13	730	Residential	64	59	55	42	41	42
NCA13	734	Residential	64	59	55	42	42	43
NCA13	736	Residential	64	59	55	42	31	32
NCA13	748	Residential	64	59	55	42	41	42
NCA13	750	Residential	64	59	55	42	43	44
NCA13	752	Residential	64	59	55	42	29	30
NCA13	753	Residential	64	59	55	42	40	41
NCA13	756	Residential	64	59	55	42	29	30
NCA13	758	Residential	64	59	55	42	39	40
NCA13	767	Residential	64	59	55	42	47	48
NCA13	769	Residential	64	59	55	42	43	44
NCA13	774	Residential	64	59	55	42	39	40
NCA13	778	Residential	64	59	55	42	35	36
NCA13	791	Residential	64	59	55	42	47	48
NCA13	793	Residential	64	59	55	42	43	44
NCA13	795	Residential	64	59	55	42	47	48
NCA13	800	Residential	64	59	55	42	47	48
NCA13	801	Residential	64	59	55	42	44	45
NCA13	806	Residential	64	59	55	42	48	49
NCA13	810	Residential	64	59	55	42	44	45
NCA13	813	Residential	64	59	55	42	48	49
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NCA13	822	Residential	64	59	55	42	48	49
NCA13	830	Residential	64	59	55	42	53	54
NCA13	831	Residential	64	59	55	42	47	48
NCA13	837	Residential	64	59	55	42	57	58
NCA13	839	Residential	64	59	55	42	47	48
NCA13	845	Residential	64	59	55	42	62	63
NCA13	847	Residential	64	59	55	42	63	64
NCA13	854	Residential	64	59	55	42	64	65
NCA13	861	Residential	64	59	55	42	66	67
NCA13	864	Residential	64	59	55	42	65	66
NCA13	868	Residential	64	59	55	42	65	66
NCA13	870	Residential	64	59	55	42	59	60

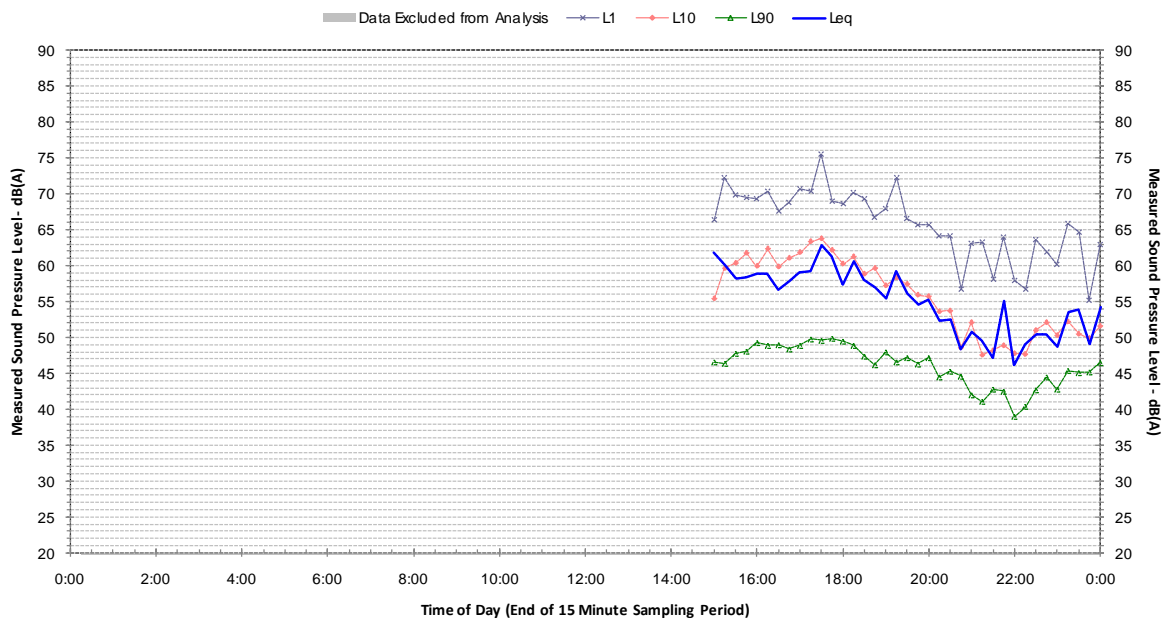
NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
NCA13	872	Residential	64	59	55	42	58	59
NCA14	902	Residential	64	59	55	42	66	67
NCA14	917	Residential	64	59	55	42	63	64
NCA14	918	Residential	64	59	55	42	63	64
NCA14	928	Residential	64	59	55	42	56	57
NCA14	931	Residential	64	59	55	42	47	48
NCA14	934	Residential	64	59	55	42	49	50
NCA14	935	Residential	64	59	55	42	55	56
NCA14	948	Residential	64	59	55	42	40	41
NCA14	950	Residential	64	59	55	42	51	52
NCA14	952	Residential	64	59	55	42	46	47
NCA14	959	Residential	64	59	55	42	50	51
NCA14	960	Residential	64	59	55	42	50	51
NCA14	971	Residential	64	59	55	42	43	44
NCA14	974	Residential	64	59	55	42	48	49
NCA14	978	Residential	64	59	55	42	47	48
NCA14	984	Residential	64	59	55	42	34	35
NCA14	985	Residential	64	59	55	42	32	33
NCA14	987	Residential	64	59	55	42	32	33
NCA14	990	Residential	64	59	55	42	41	42
NCA14	1004	Residential	64	59	55	42	43	44
NCA14	1006	Residential	64	59	55	42	42	43
NCA14	1007	Residential	64	59	55	42	42	43
NCA14	1008	Residential	64	59	55	42	42	43
NCA14	1009	Residential	64	59	55	42	43	44
NCA14	1013	Residential	64	59	55	42	38	39
NCA14	1014	Residential	64	59	55	42	43	44
NCA14	1045	Commercial	70	70	70	70	39	40
NCA14	1062	Residential	64	59	55	42	38	39
NCA14	1064	Residential	64	59	55	42	37	38
NCA14	1065	Residential	64	59	55	42	41	42
NCA14	1071	Residential	64	59	55	42	41	42
NCA14	1072	Residential	64	59	55	42	38	39
NCA14	1077	Residential	64	59	55	42	41	42
NCA14	1081	Residential	64	59	55	42	38	39
NCA14	1086	Residential	64	59	55	42	41	42
NCA14	1088	Residential	64	59	55	42	37	38
NCA14	1090	Residential	64	59	55	42	41	42
NCA14	1093	Residential	64	59	55	42	36	37
NCA14	1099	Residential	64	59	55	42	39	40
NCA14	1102	Residential	64	59	55	42	37	38
NCA14	1105	Residential	64	59	55	42	39	40
NCA14	1107	Residential	64	59	55	42	37	38
NCA14	1109	Residential	64	59	55	42	39	40
NCA14	1111	Residential	64	59	55	42	38	39
NCA14	1114	Residential	64	59	55	42	37	38
NCA14	1115	Residential	64	59	55	42	38	39
NCA14	1119	Residential	64	59	55	42	37	38
NCA14	1121	Residential	64	59	55	42	37	38
NCA14	1124	Residential	64	59	55	42	36	37
NCA14	1126	Residential	64	59	55	42	37	38
NCA14	1127	Residential	64	59	55	42	35	36
NCA14	1129	Residential	64	59	55	42	36	37
NCA14	1130	Residential	64	59	55	42	37	38
NCA14	1131	Residential	64	59	55	42	37	38
NCA14	1133	Residential	64	59	55	42	38	39
NCA14	1135	Residential	64	59	55	42	37	38
NCA14	1136	Residential	64	59	55	42	36	37
NCA14	1137	Residential	64	59	55	42	36	37
NCA14	1138	Residential	64	59	55	42	36	37
NCA14	1139	Residential	64	59	55	42	36	37
NCA14	1140	Residential	64	59	55	42	36	37
NCA14	1141	Residential	64	59	55	42	37	38
NCA14	1143	Residential	64	59	55	42	36	37

NCA	Receiver	Land use	NML				Predicted L _{Aeq, 15 minute} noise level, dB(A)	
			Day	Weekend day	Evening	Night	15. Ancillary site establish	16. Ancillary site operate
			NCA15	1118	Commercial	70	70	70
NCA15	1134	Commercial	70	70	70	70	35	36
NCA15	1142	Commercial	70	70	70	70	35	36

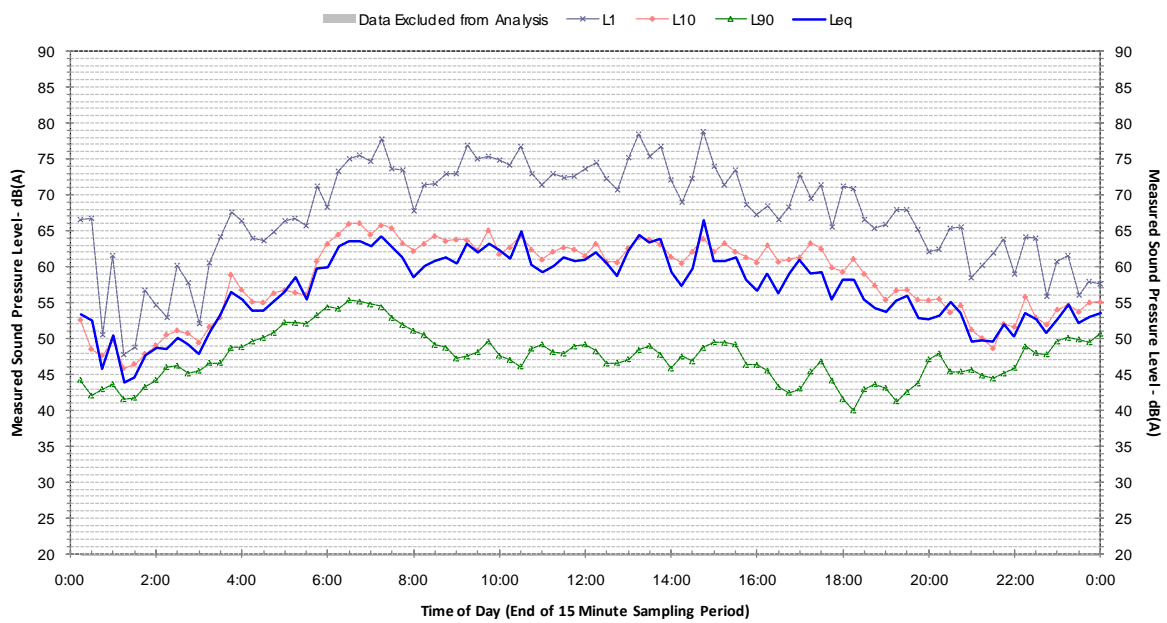
Appendix E. Background noise monitoring graphs

Appendix E. Background noise monitoring graphs

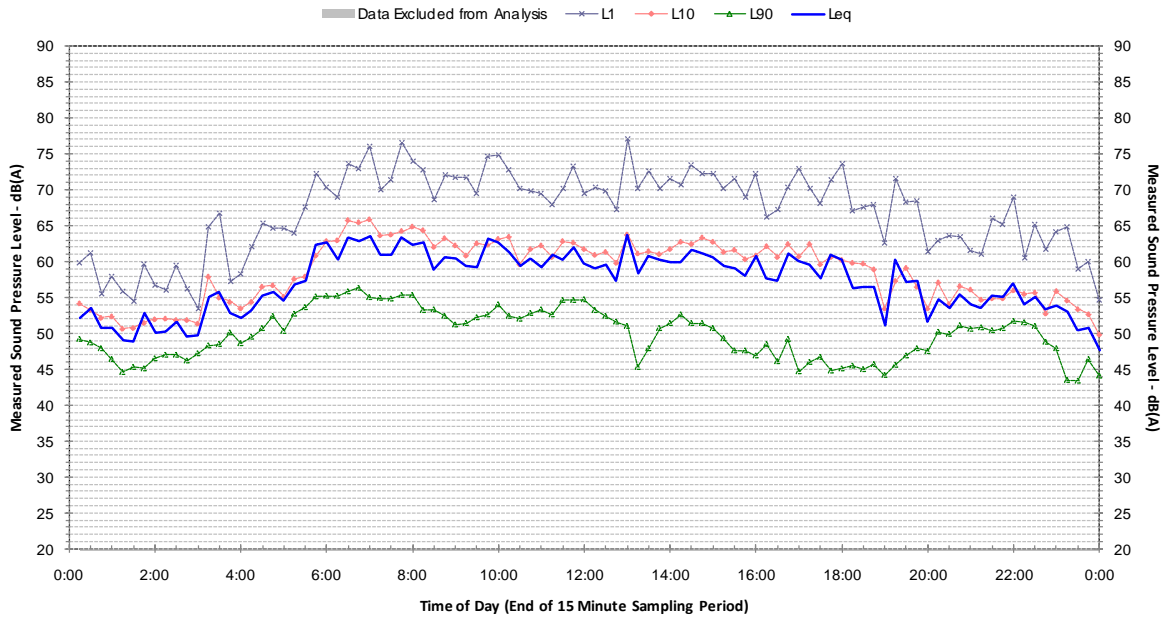
Profile of Noise Environment - Noise Monitoring Location 1 Tuesday 8 October 2013



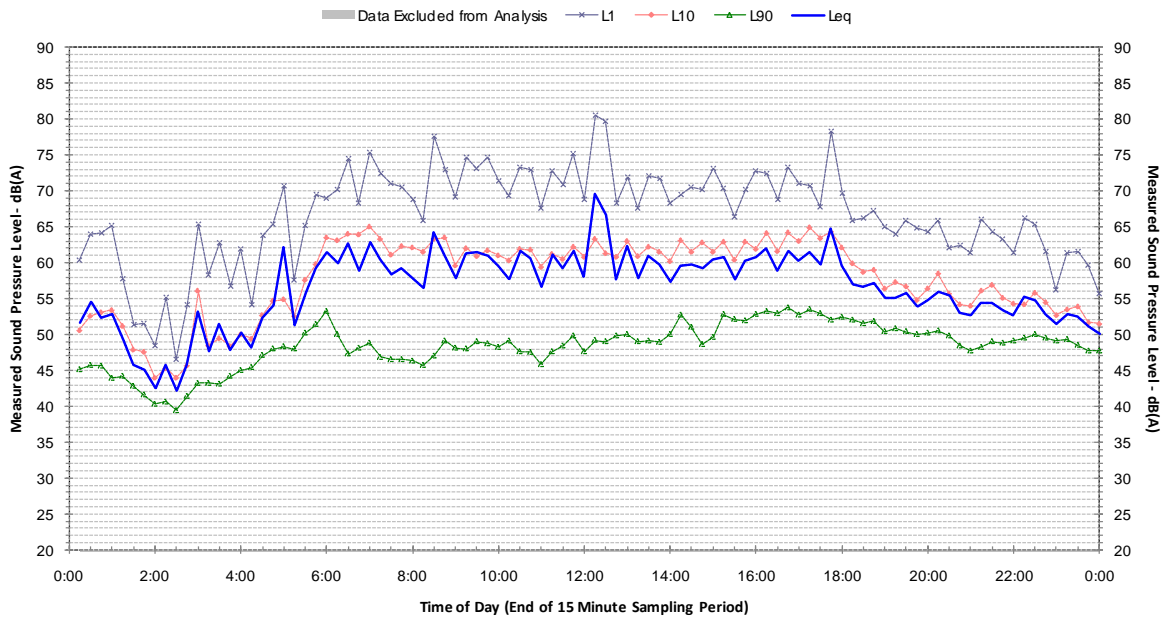
Profile of Noise Environment - Noise Monitoring Location 1 Wednesday 9 October 2013



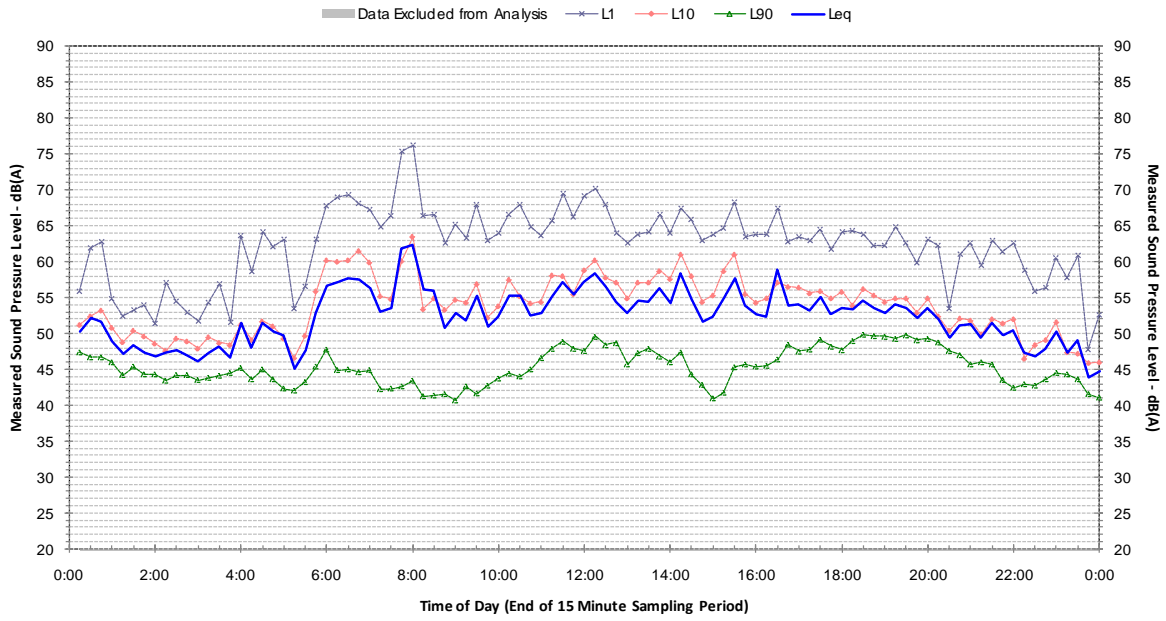
Profile of Noise Environment - Noise Monitoring Location 1 Thursday 10 October 2013



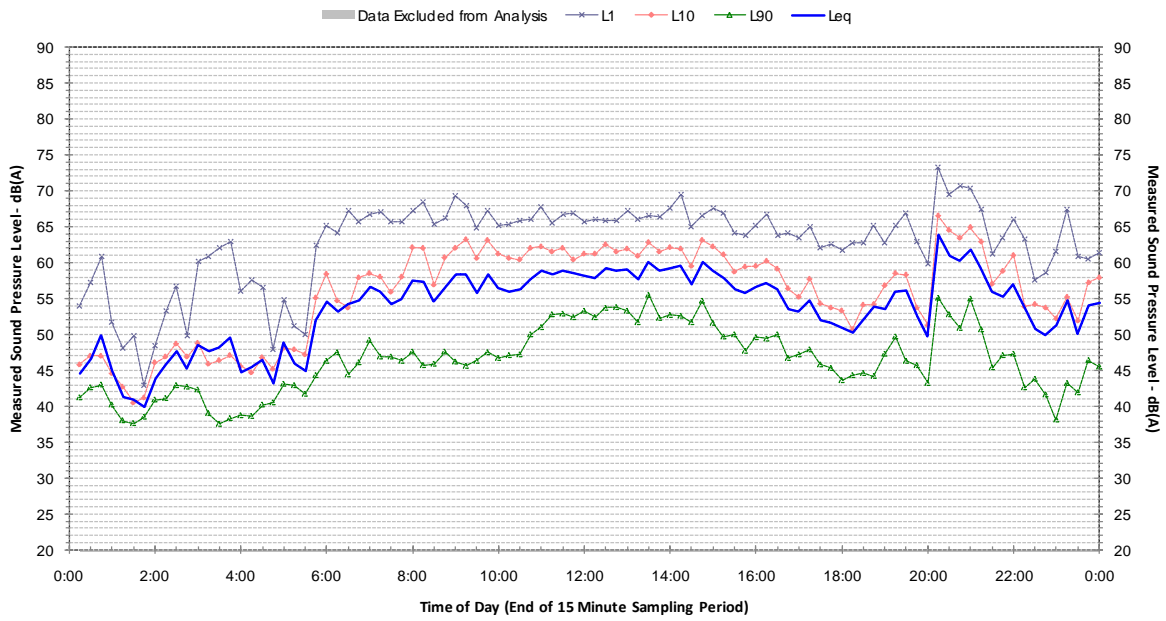
Profile of Noise Environment - Noise Monitoring Location 1 Friday 11 October 2013



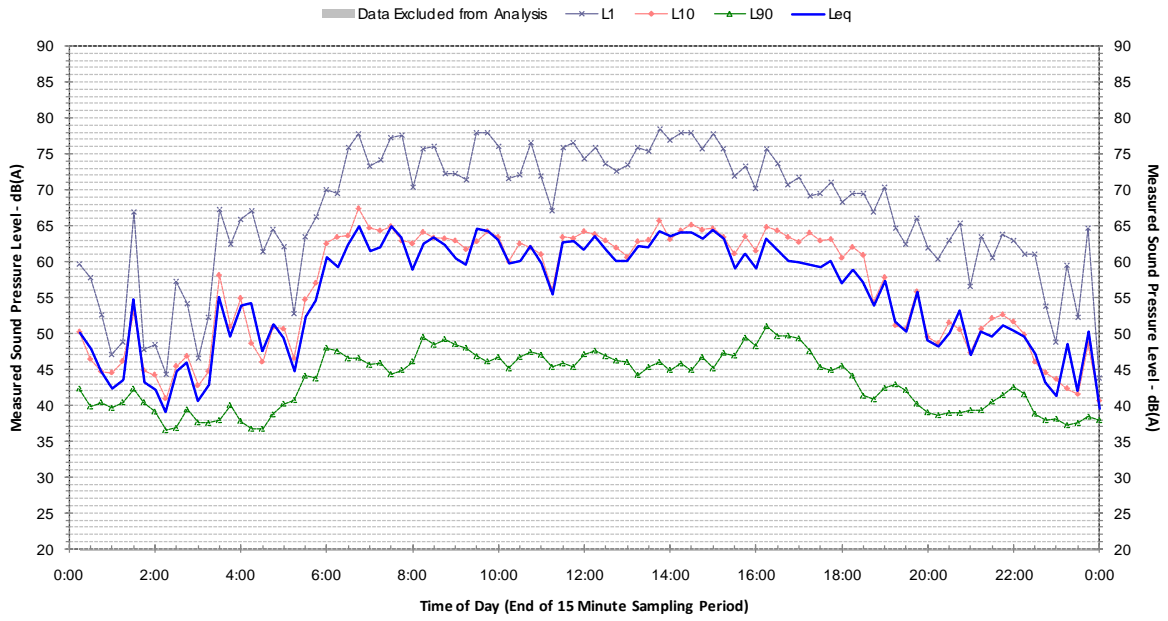
Profile of Noise Environment - Noise Monitoring Location 1 Saturday 12 October 2013



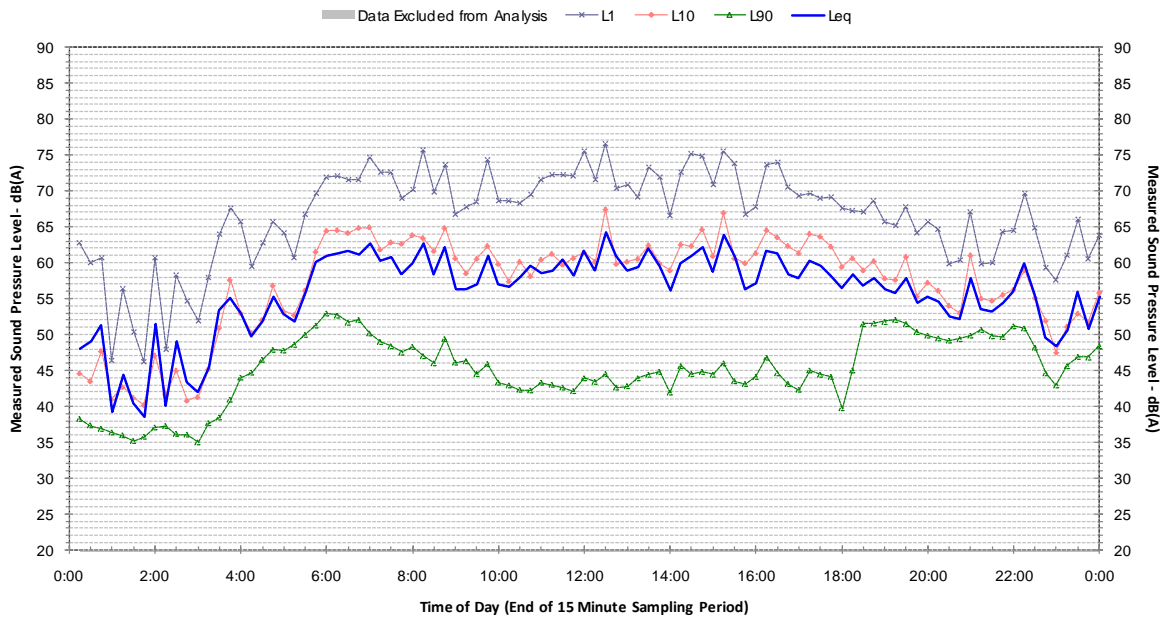
Profile of Noise Environment - Noise Monitoring Location 1 Sunday 13 October 2013



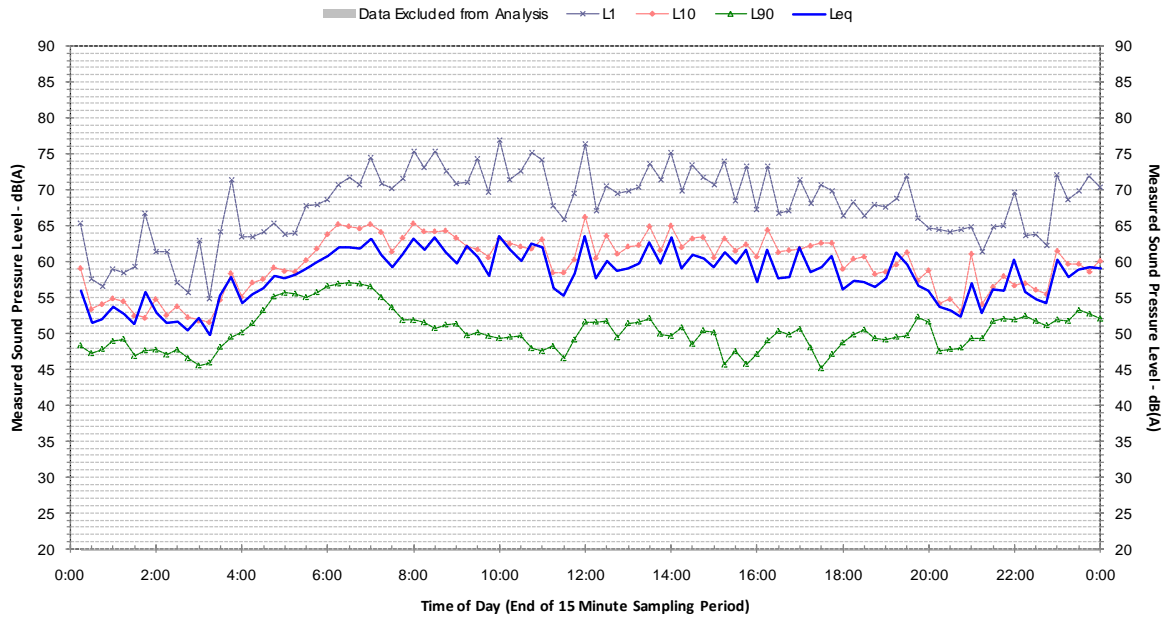
Profile of Noise Environment - Noise Monitoring Location 1 Monday 14 October 2013



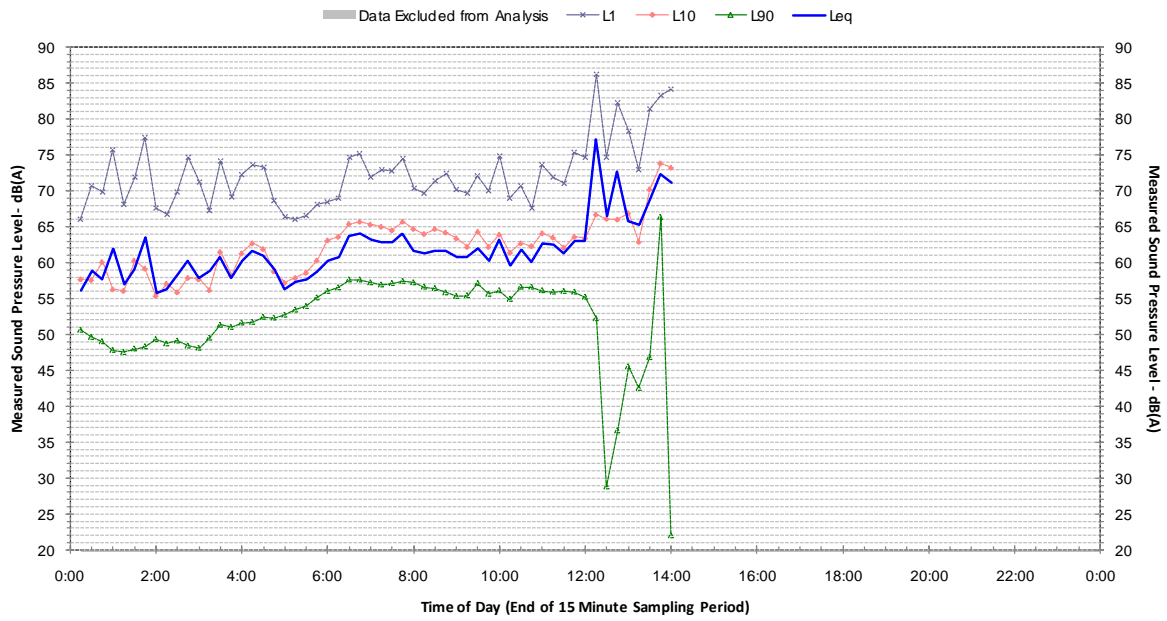
Profile of Noise Environment - Noise Monitoring Location 1 Tuesday 15 October 2013



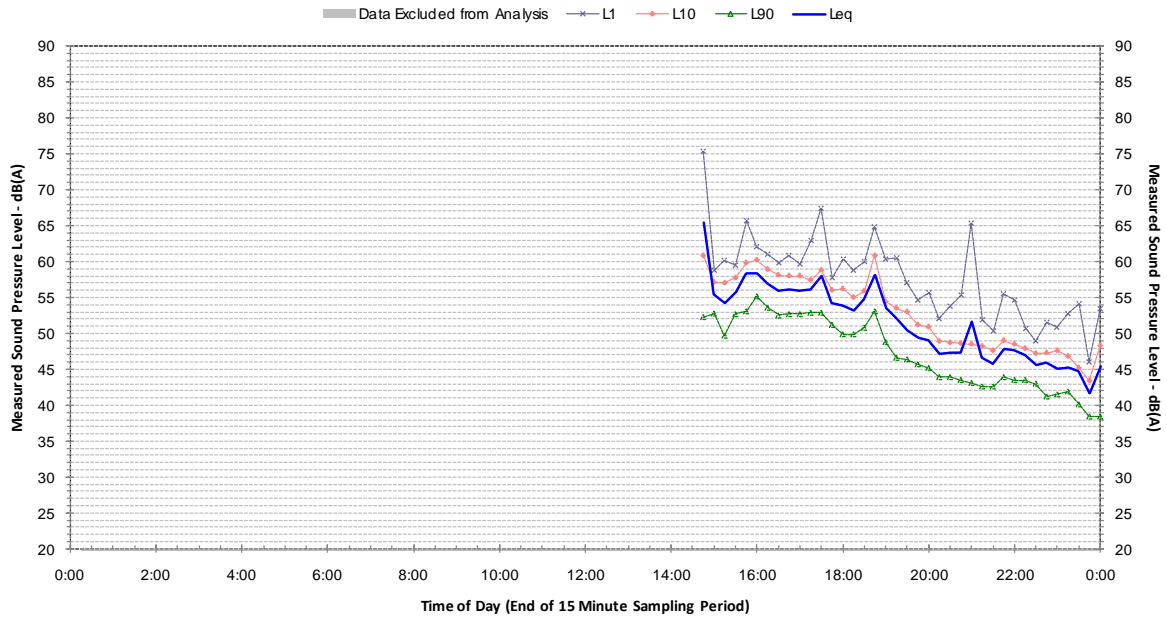
Profile of Noise Environment - Noise Monitoring Location 1 Wednesday 16 October 2013



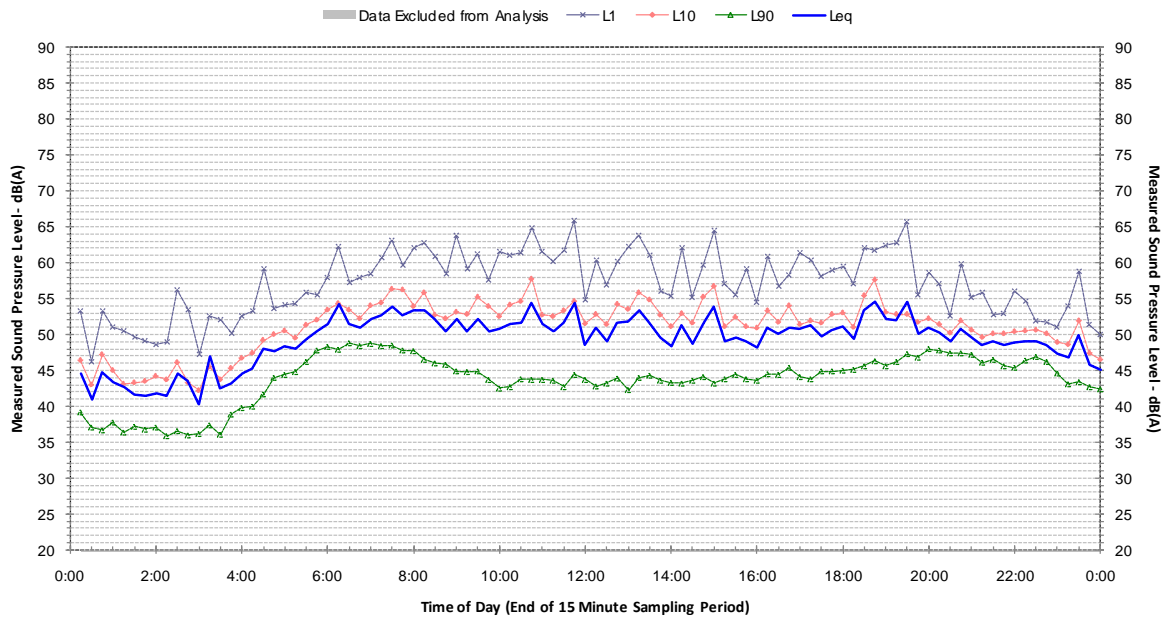
Profile of Noise Environment - Noise Monitoring Location 1 Thursday 17 October 2013



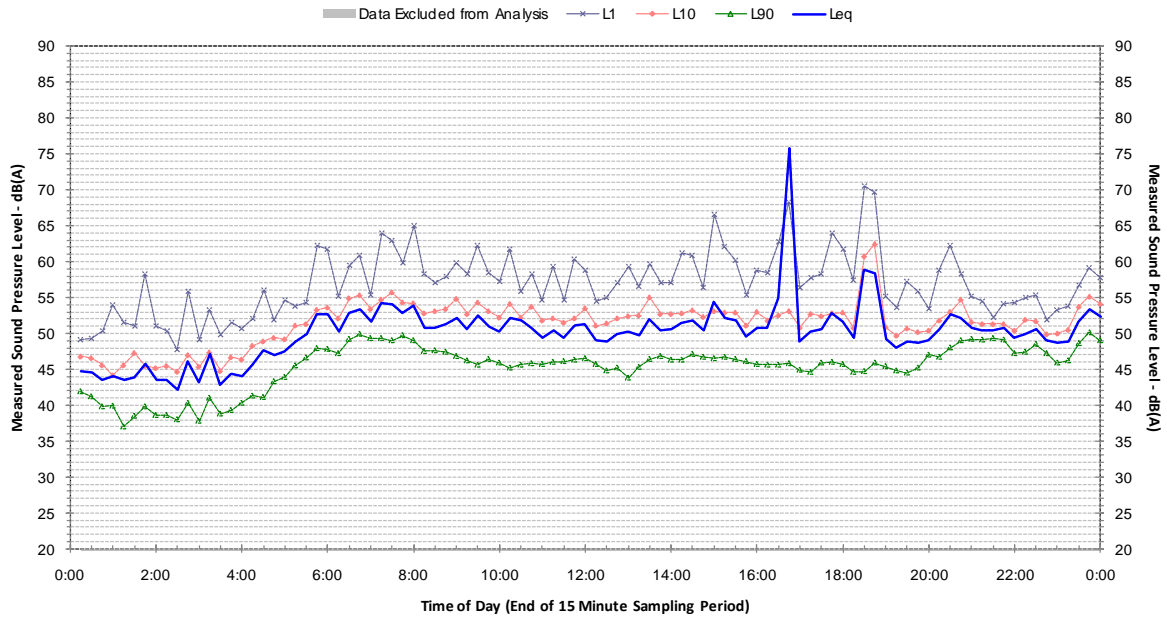
Profile of Noise Environment - Noise Monitoring Location 2 Tuesday 8 October 2013



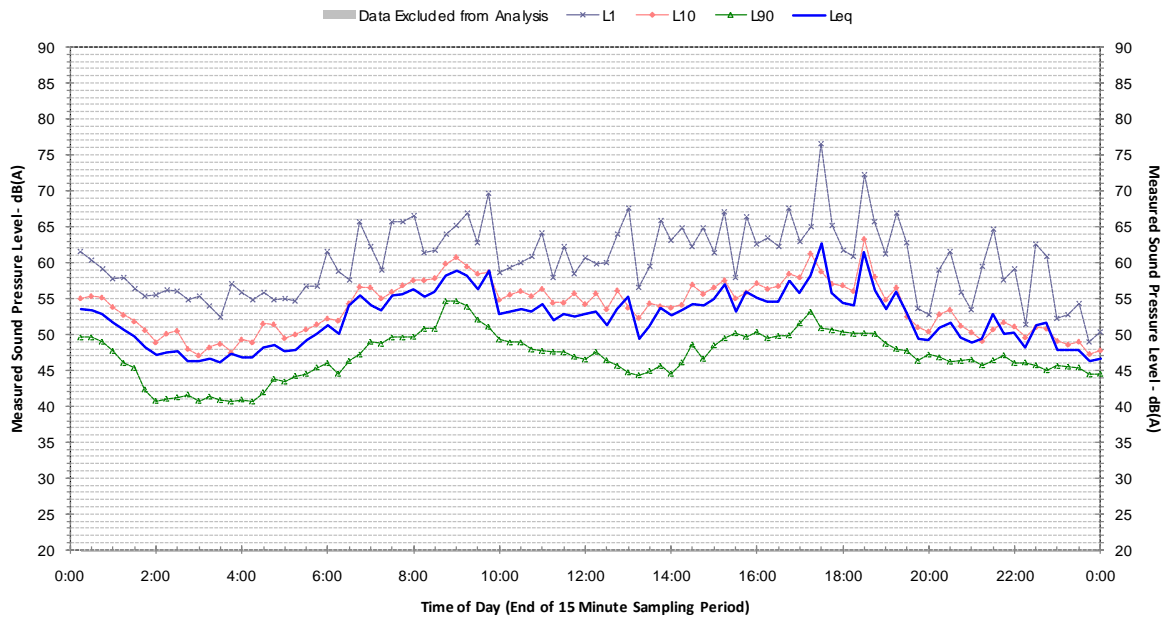
Profile of Noise Environment - Noise Monitoring Location 2 Wednesday 9 October 2013



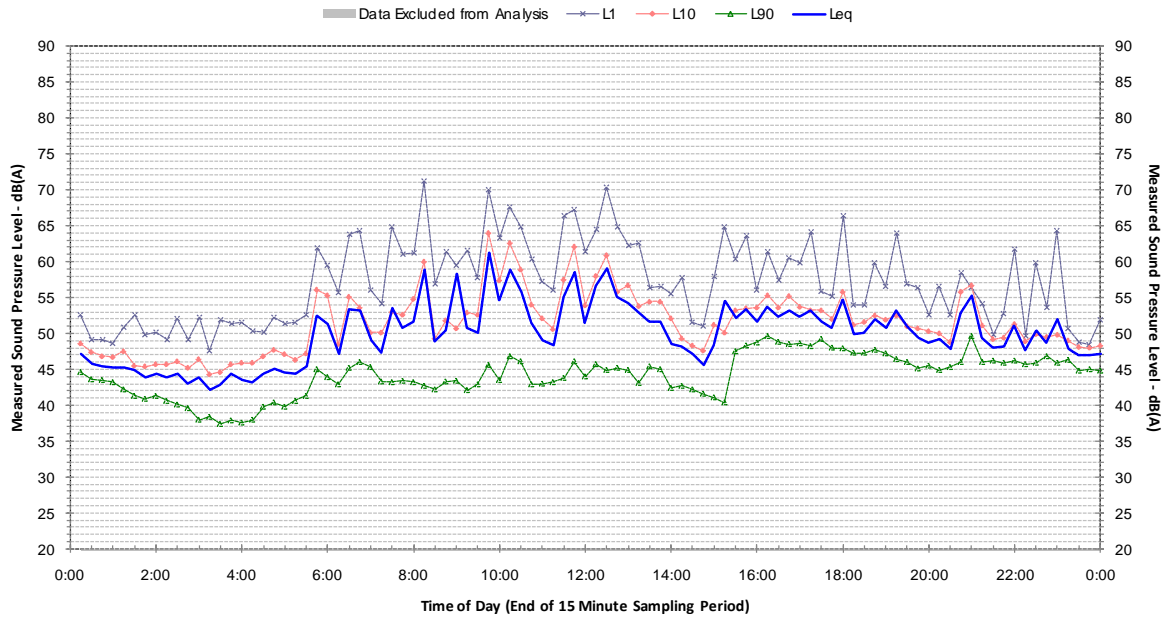
Profile of Noise Environment - Noise Monitoring Location 2 Thursday 10 October 2013



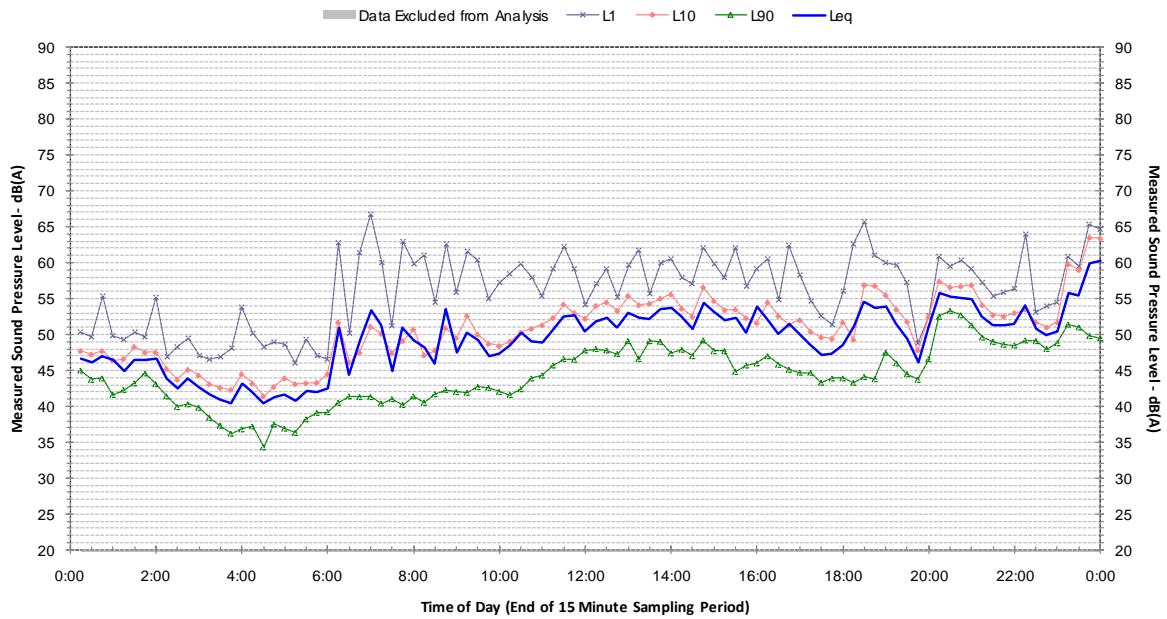
Profile of Noise Environment - Noise Monitoring Location 2 Friday 11 October 2013



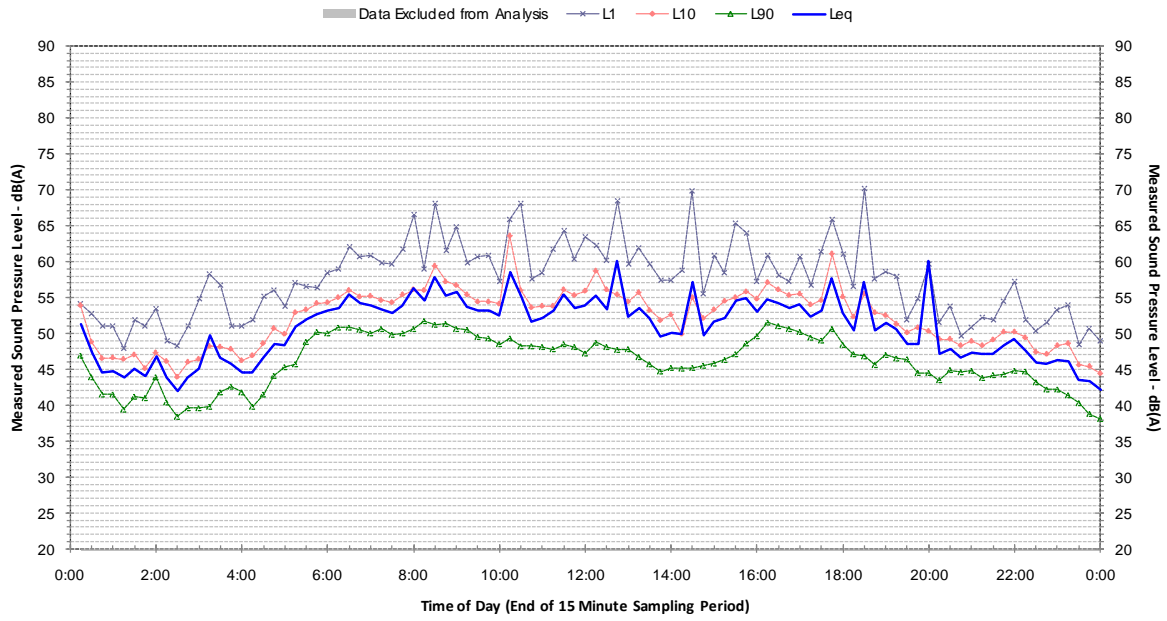
Profile of Noise Environment - Noise Monitoring Location 2 Saturday 12 October 2013



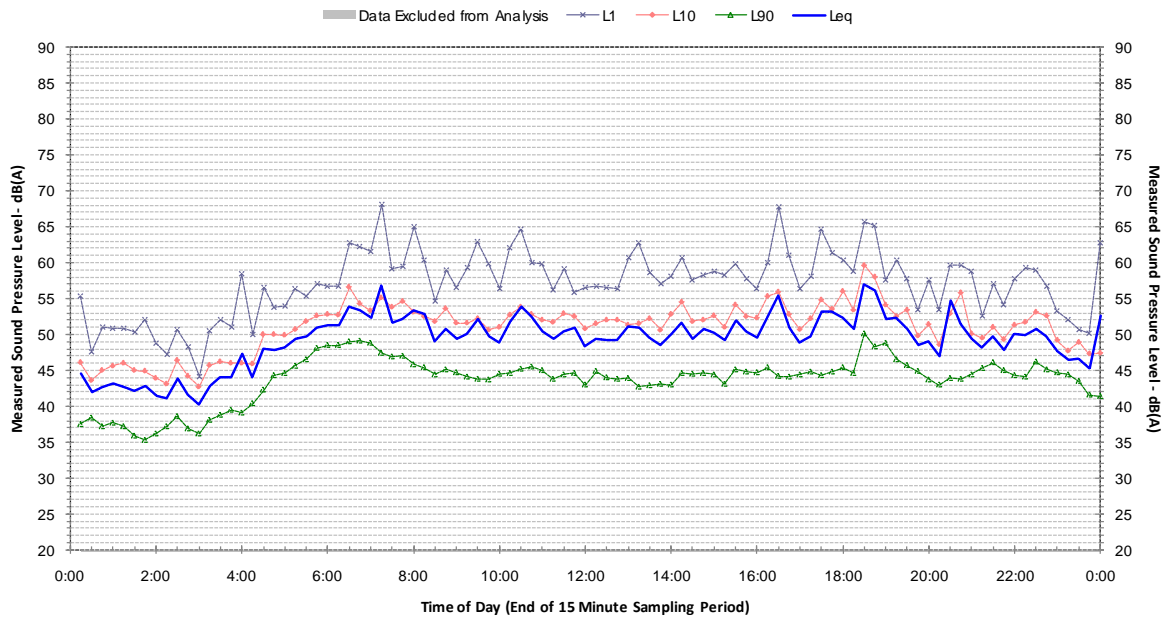
Profile of Noise Environment - Noise Monitoring Location 2 Sunday 13 October 2013



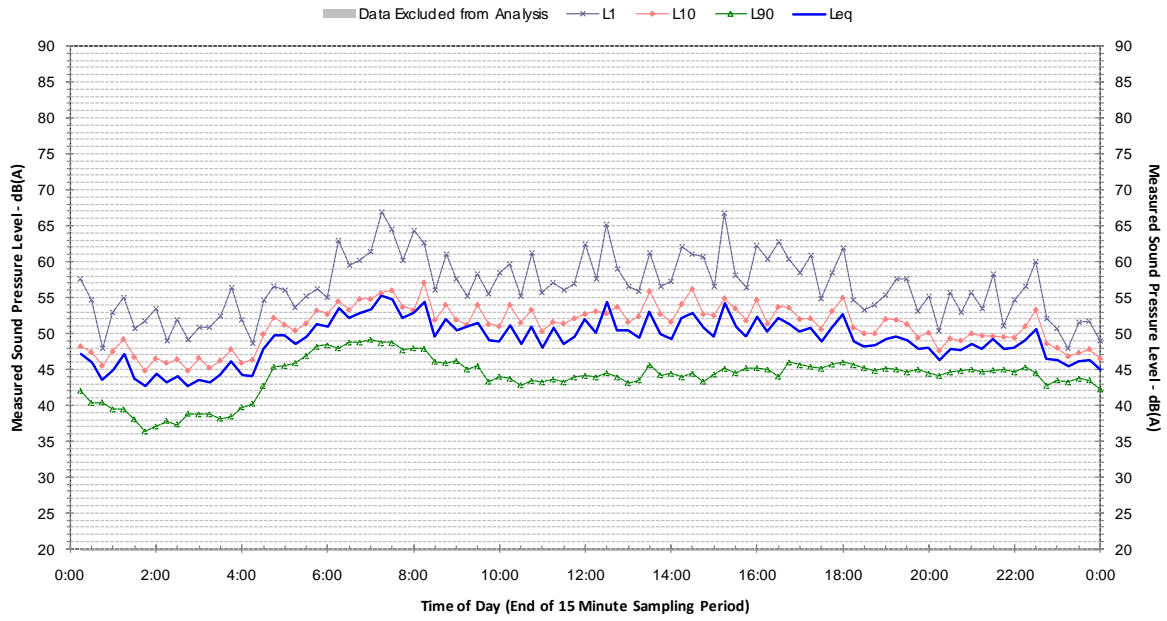
Profile of Noise Environment - Noise Monitoring Location 2 Monday 14 October 2013



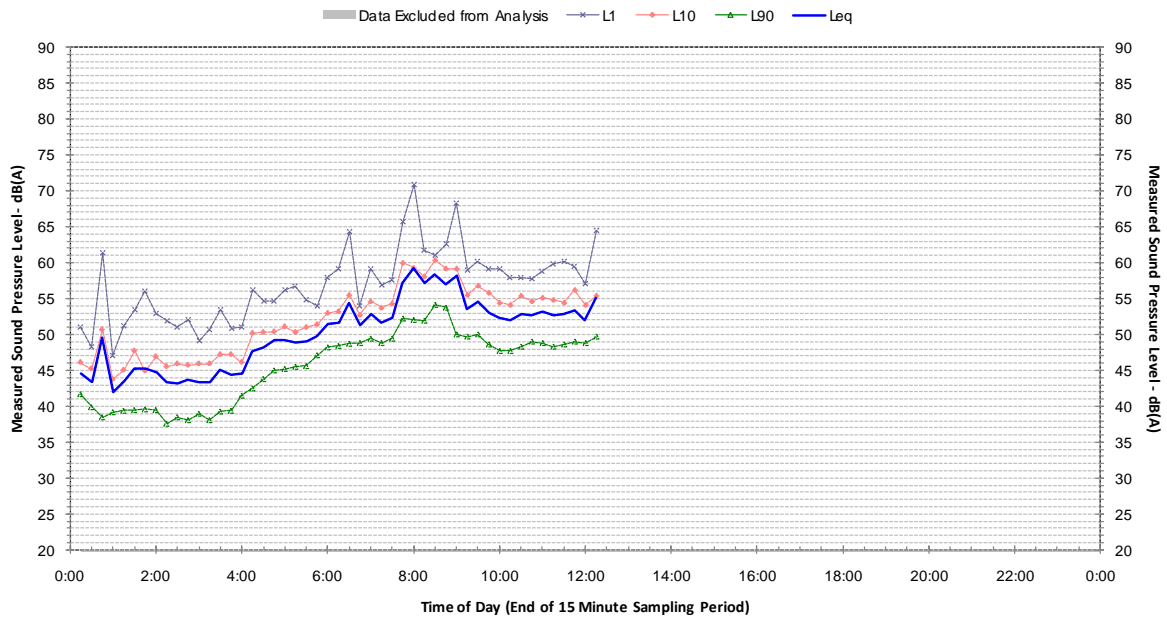
Profile of Noise Environment - Noise Monitoring Location 2 Tuesday 15 October 2013



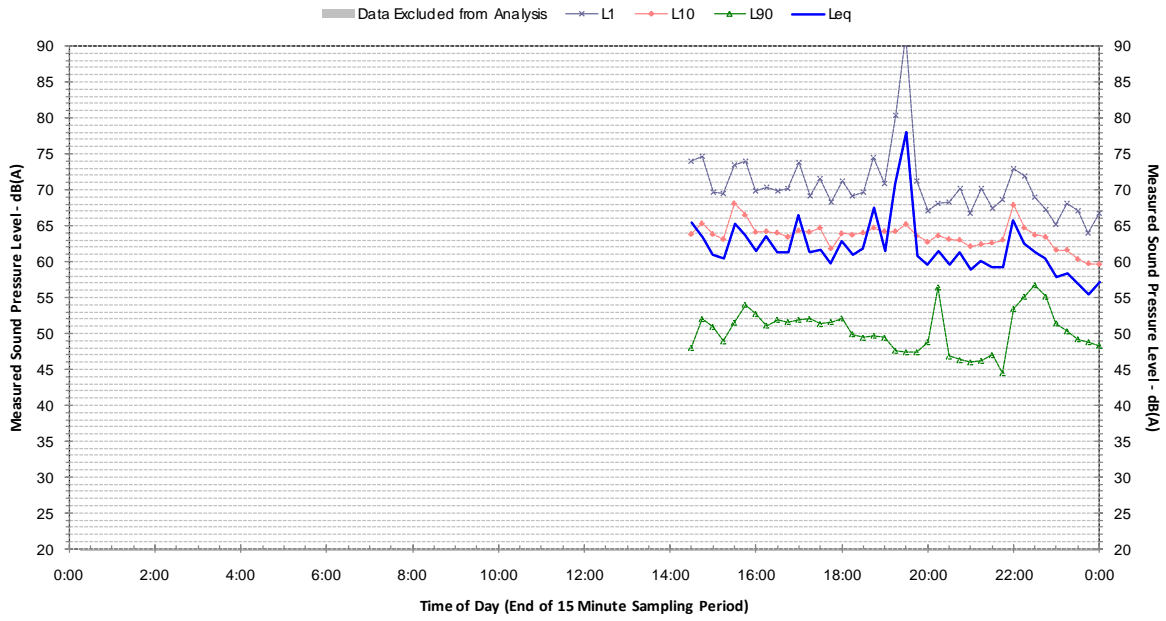
Profile of Noise Environment - Noise Monitoring Location 2 Wednesday 16 October 2013



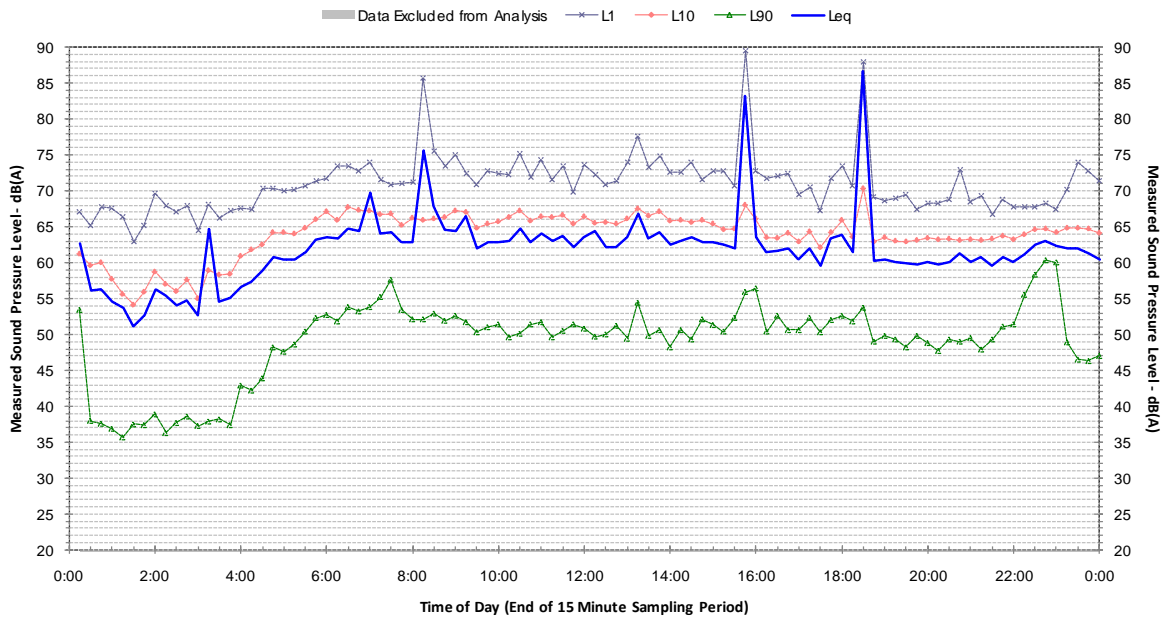
Profile of Noise Environment - Noise Monitoring Location 2 Thursday 17 October 2013



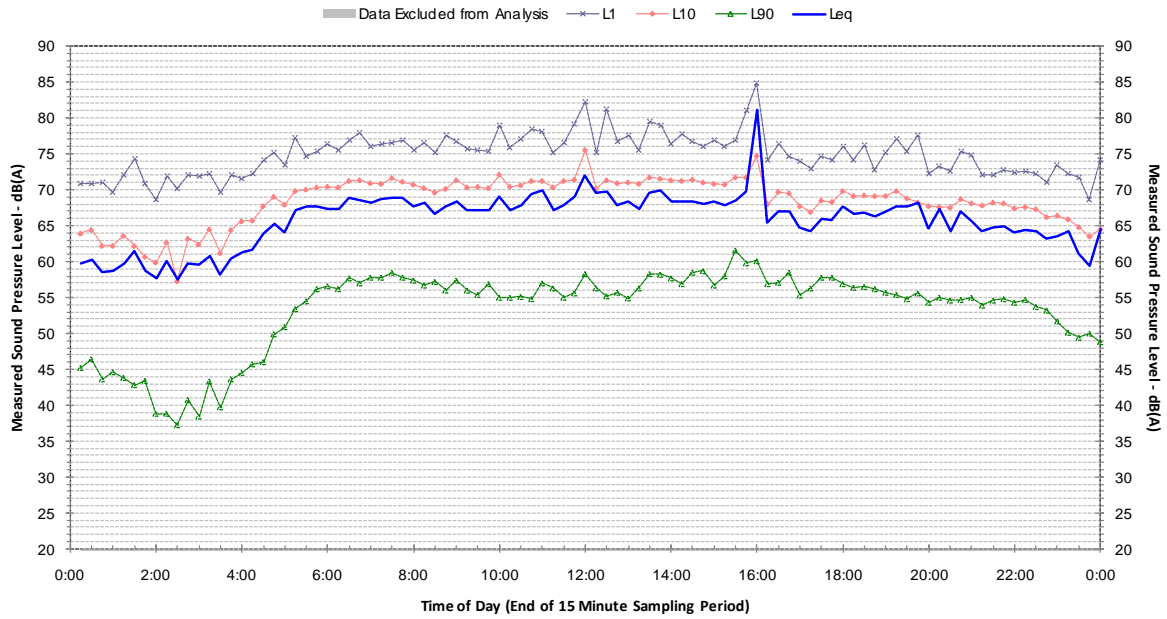
Profile of Noise Environment - Noise Monitoring Location 3 Tuesday 8 October 2013



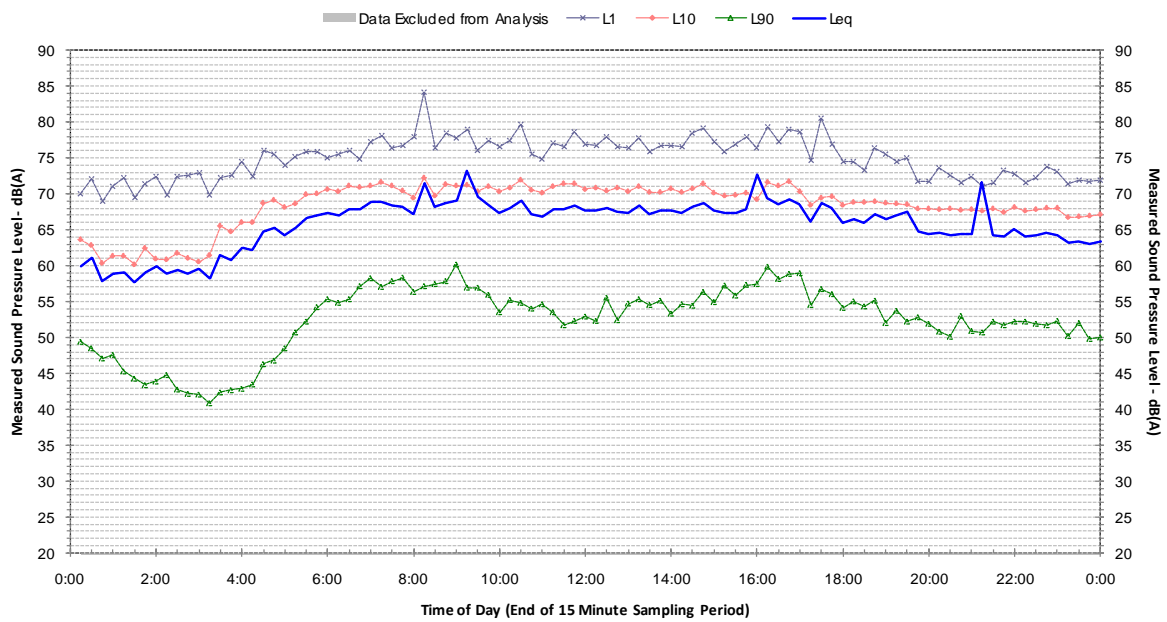
Profile of Noise Environment - Noise Monitoring Location 3 Wednesday 9 October 2013



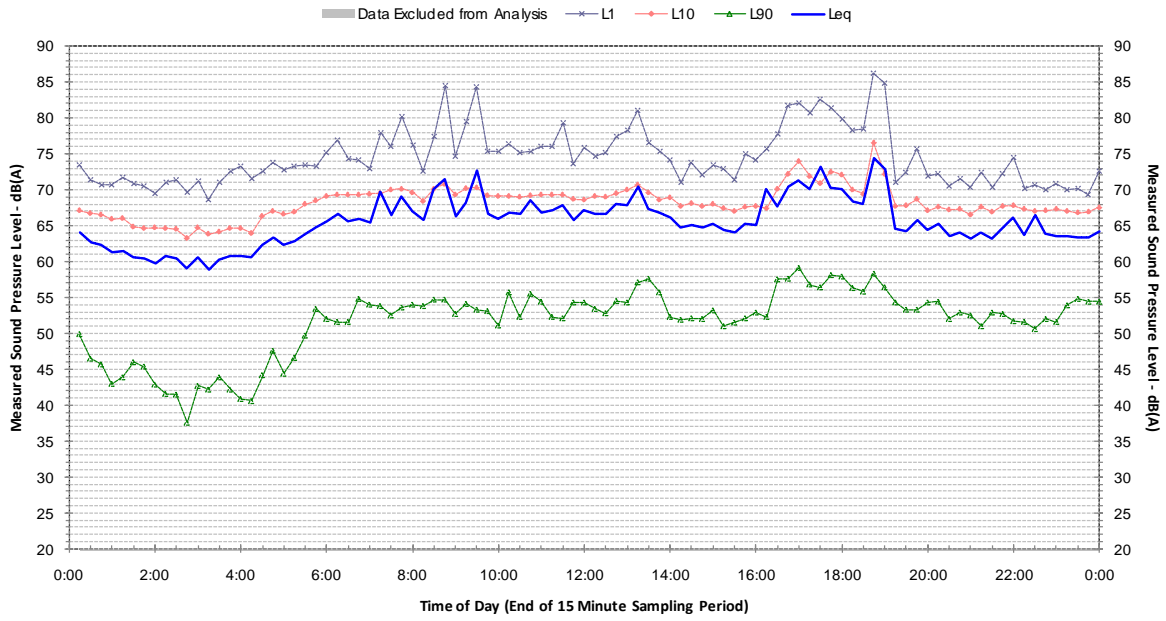
Profile of Noise Environment - Noise Monitoring Location 3 Thursday 10 October 2013



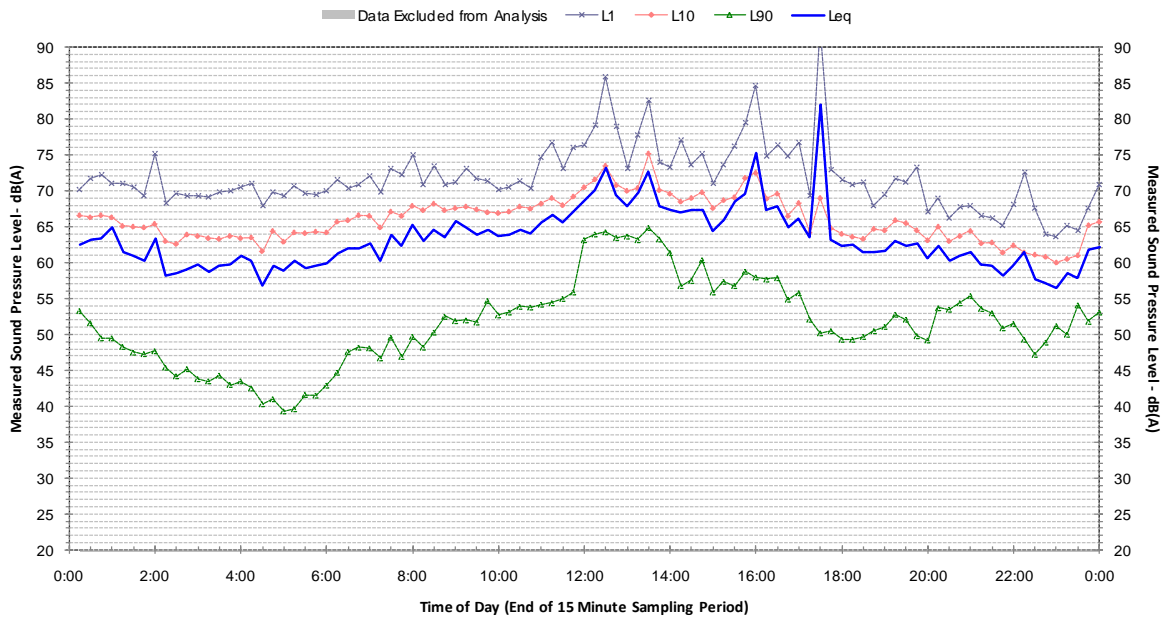
Profile of Noise Environment - Noise Monitoring Location 3 Friday 11 October 2013



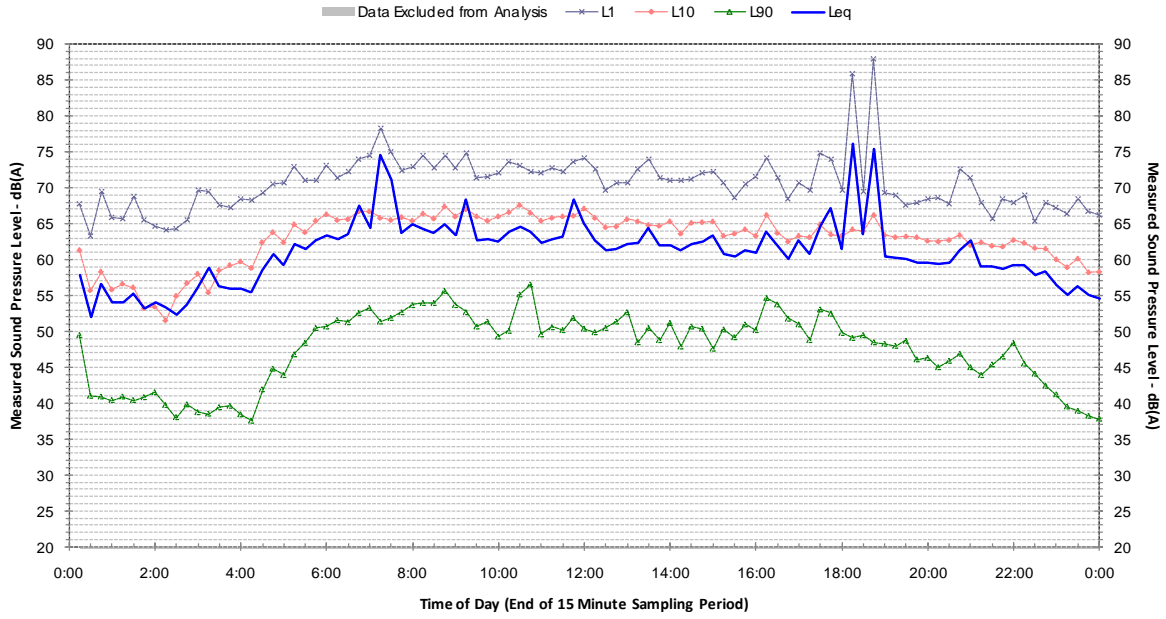
Profile of Noise Environment - Noise Monitoring Location 3 Saturday 12 October 2013



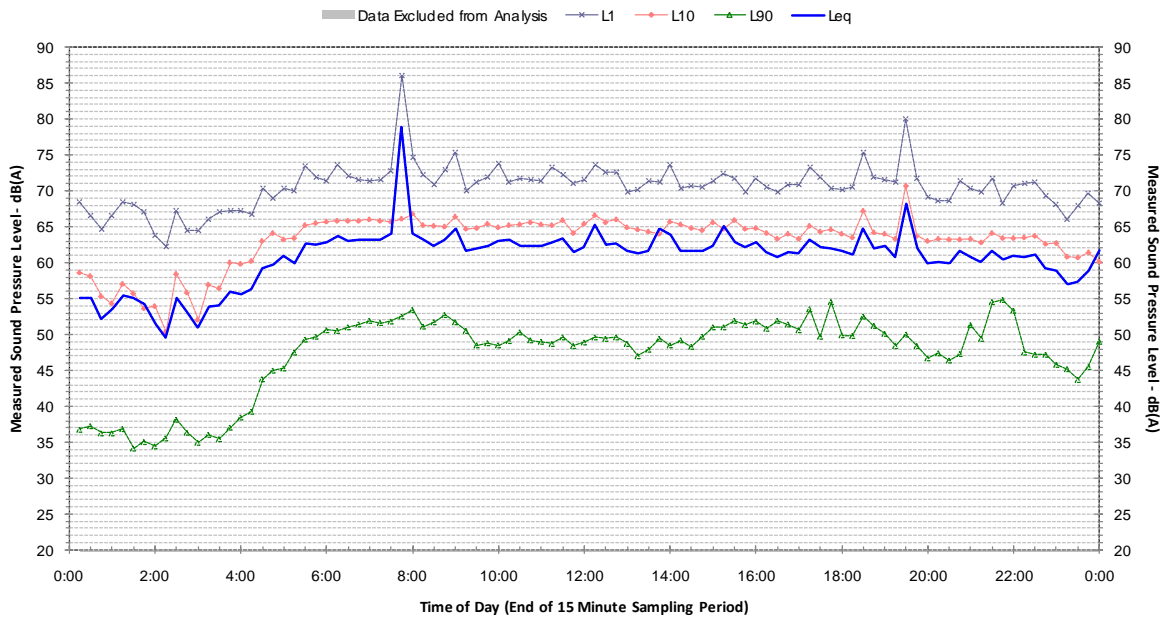
Profile of Noise Environment - Noise Monitoring Location 3 Sunday 13 October 2013



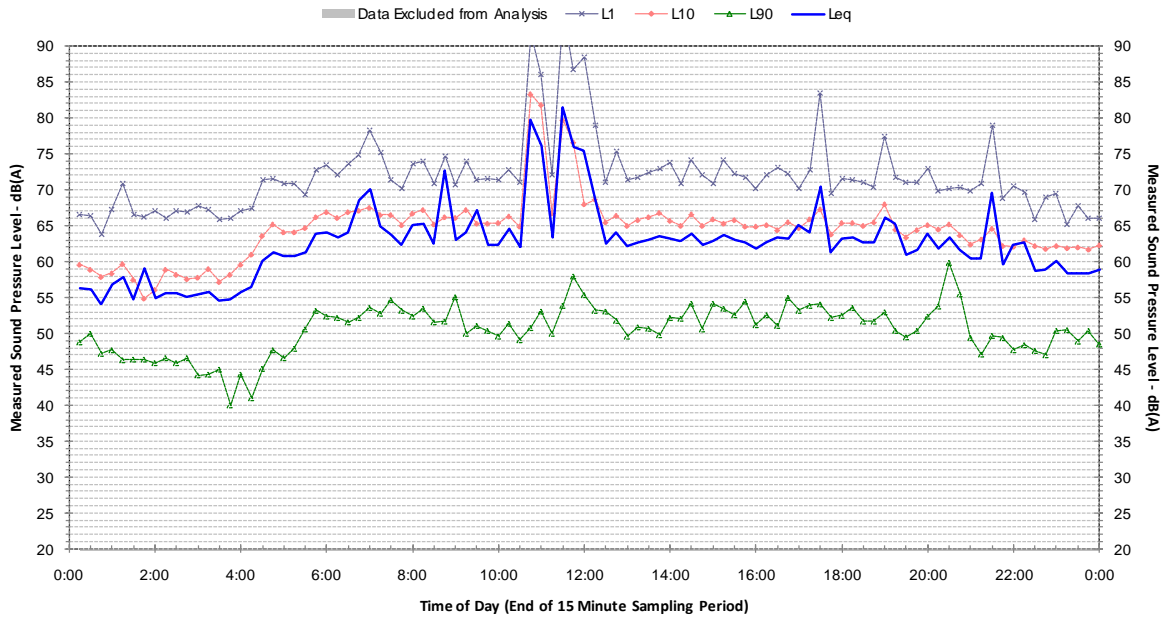
Profile of Noise Environment - Noise Monitoring Location 3 Monday 14 October 2013



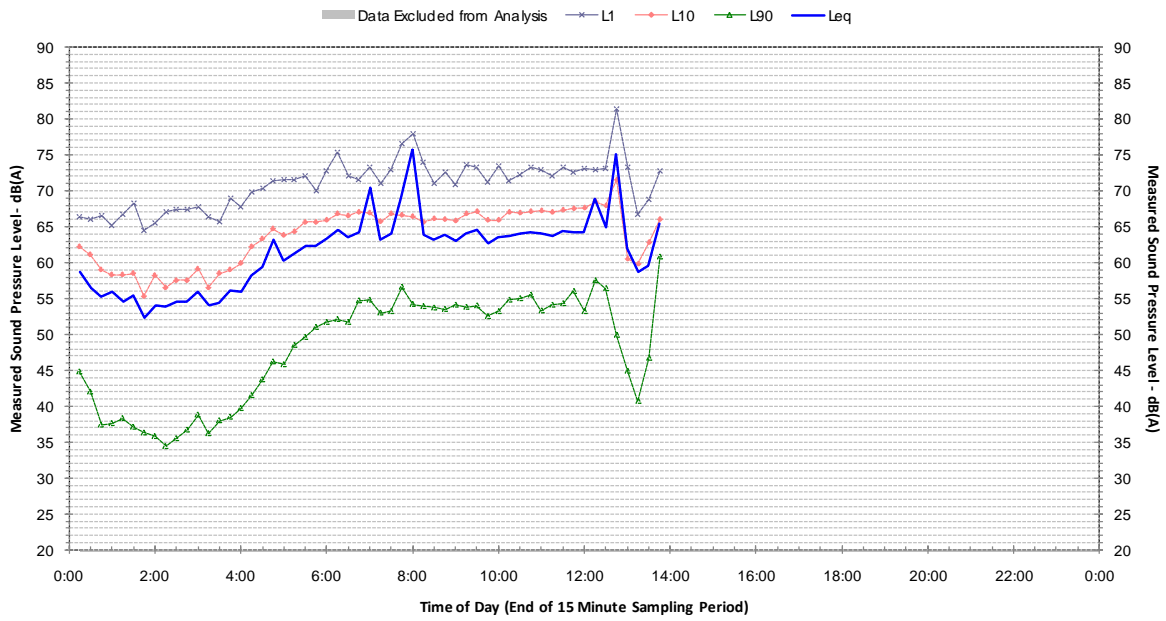
Profile of Noise Environment - Noise Monitoring Location 3 Tuesday 15 October 2013



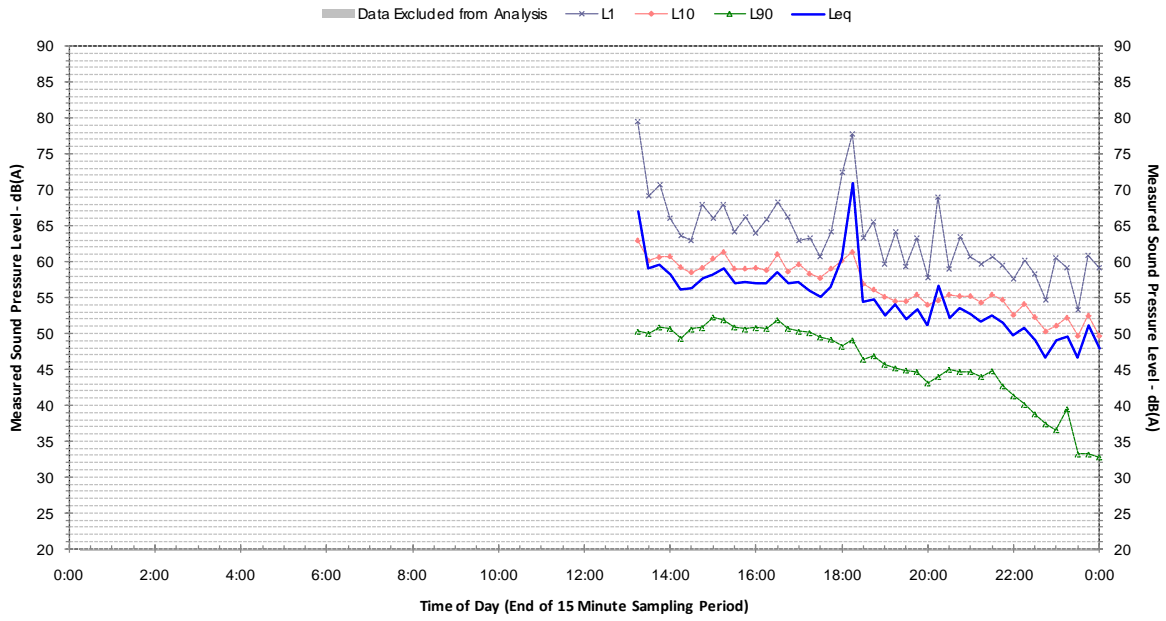
Profile of Noise Environment - Noise Monitoring Location 3 Wednesday 16 October 2013



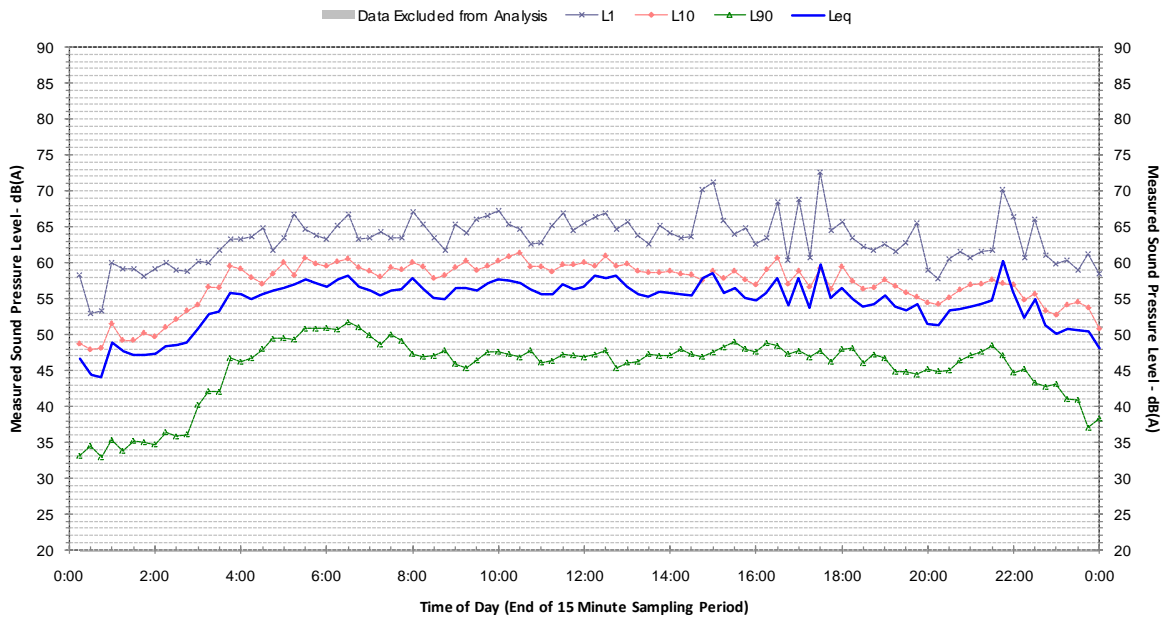
Profile of Noise Environment - Noise Monitoring Location 3 Thursday 17 October 2013



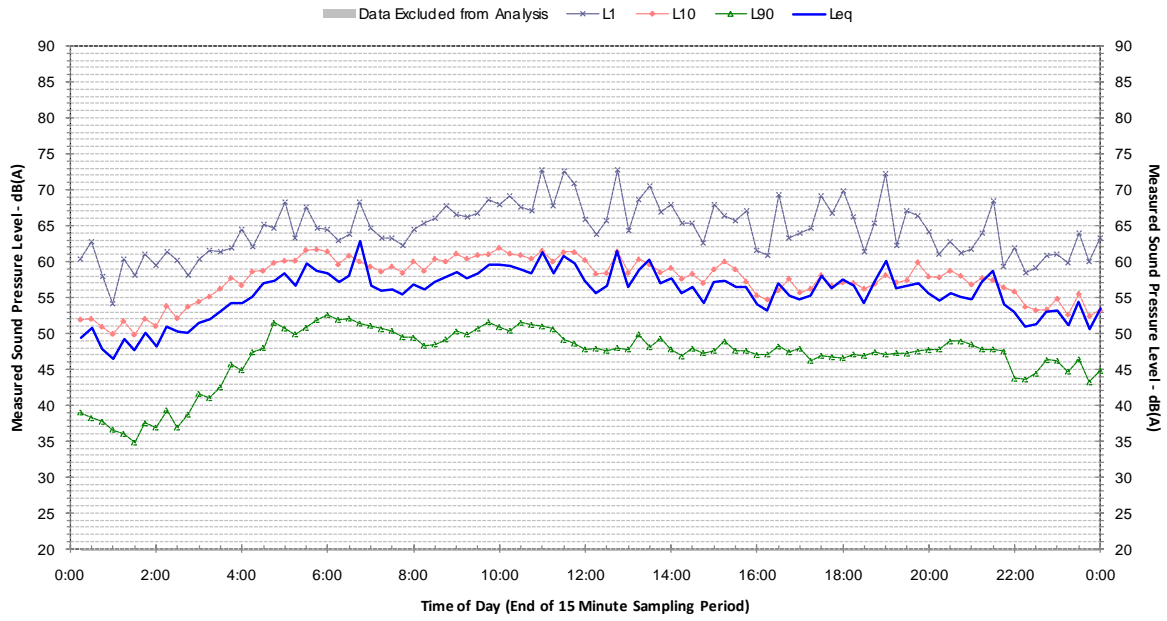
Profile of Noise Environment - Noise Monitoring Location 4 Tuesday 8 October 2013



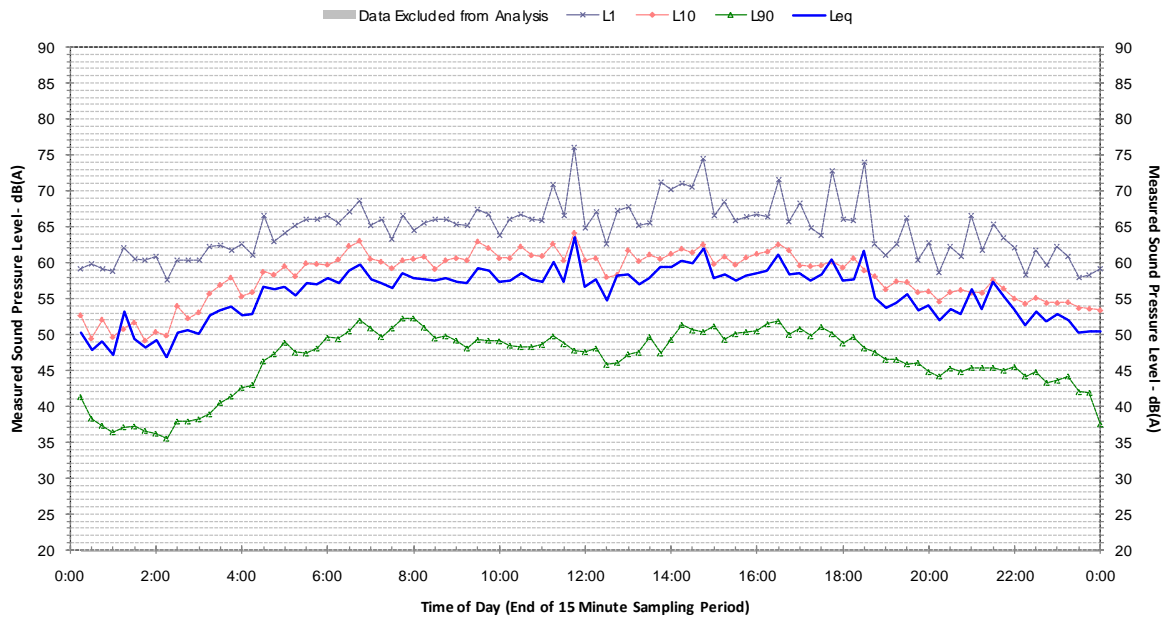
Profile of Noise Environment - Noise Monitoring Location 4 Wednesday 9 October 2013



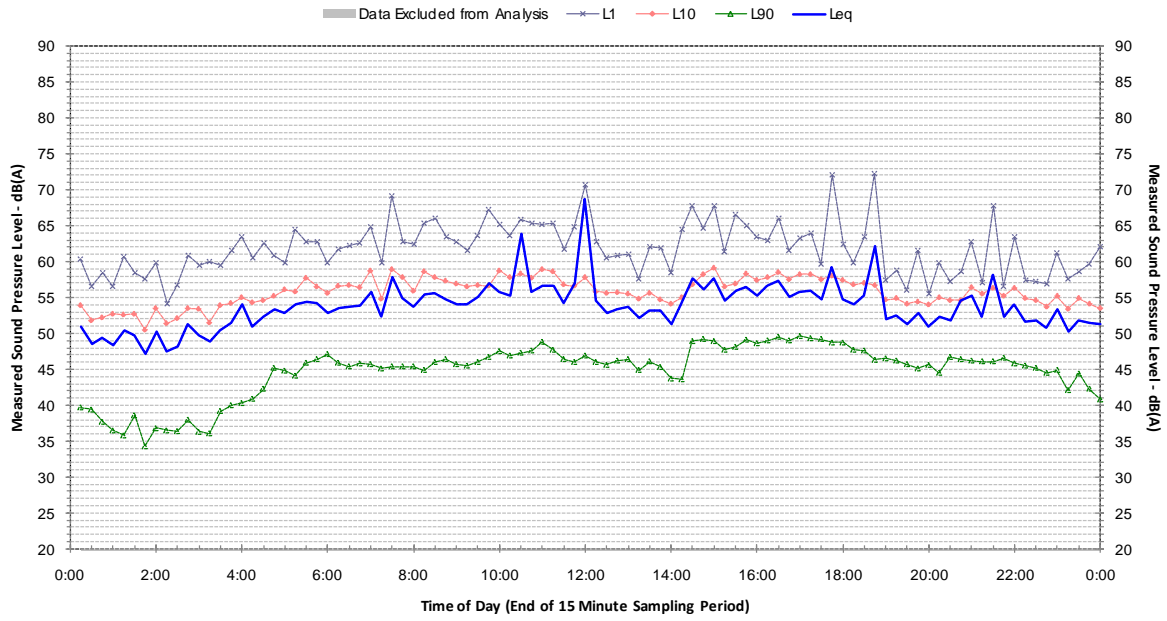
Profile of Noise Environment - Noise Monitoring Location 4 Thursday 10 October 2013



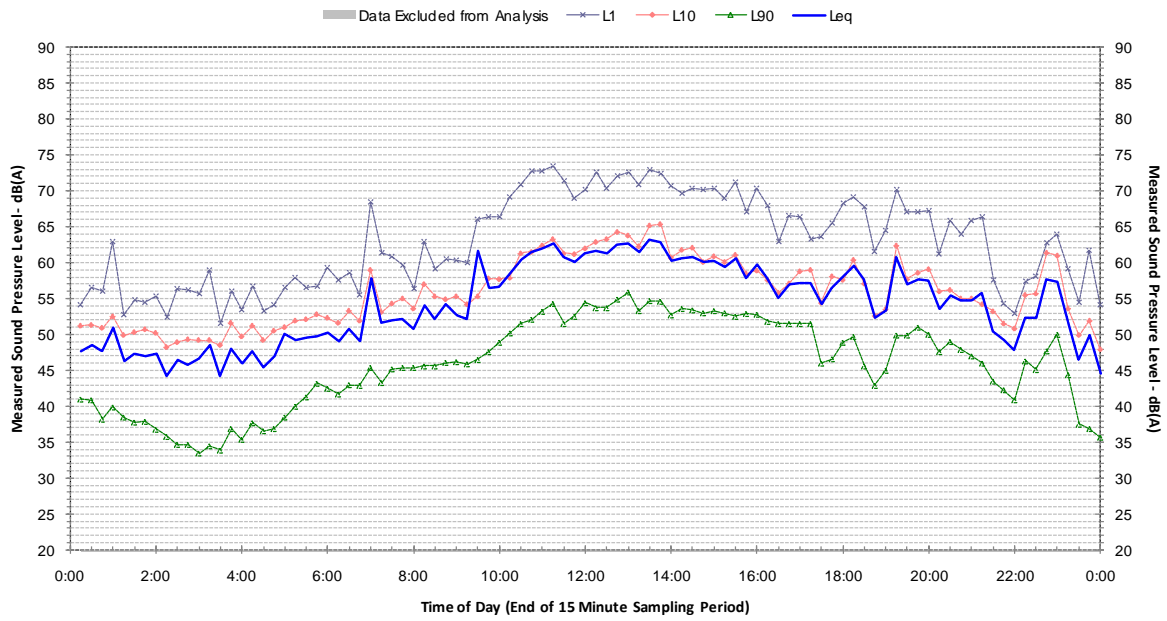
Profile of Noise Environment - Noise Monitoring Location 4 Friday 11 October 2013



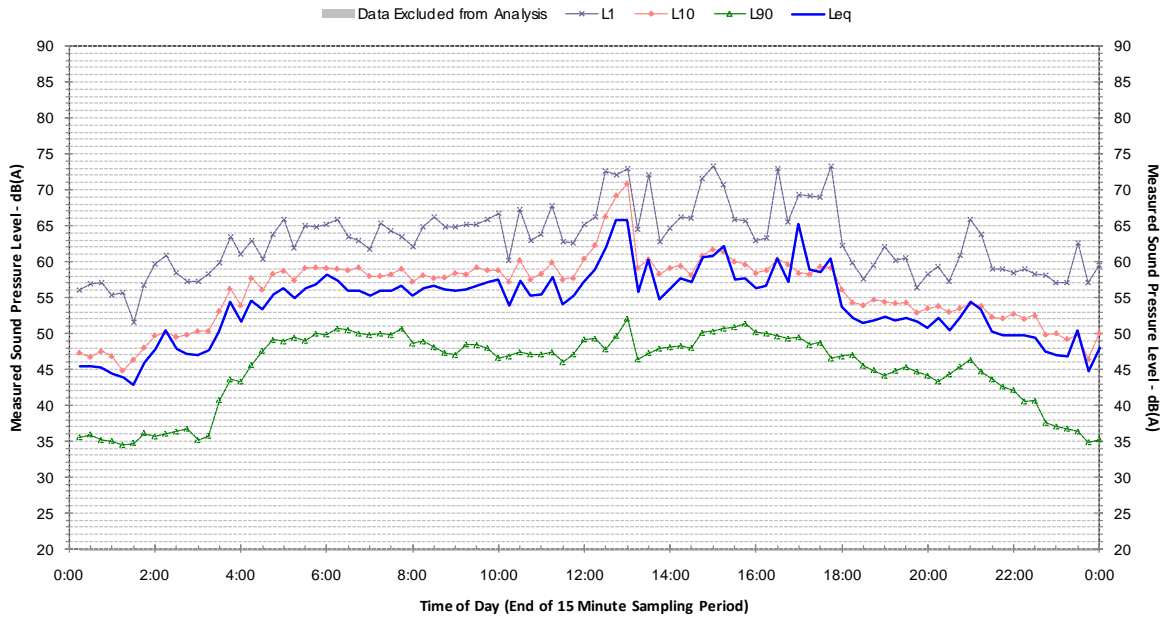
Profile of Noise Environment - Noise Monitoring Location 4 Saturday 12 October 2013



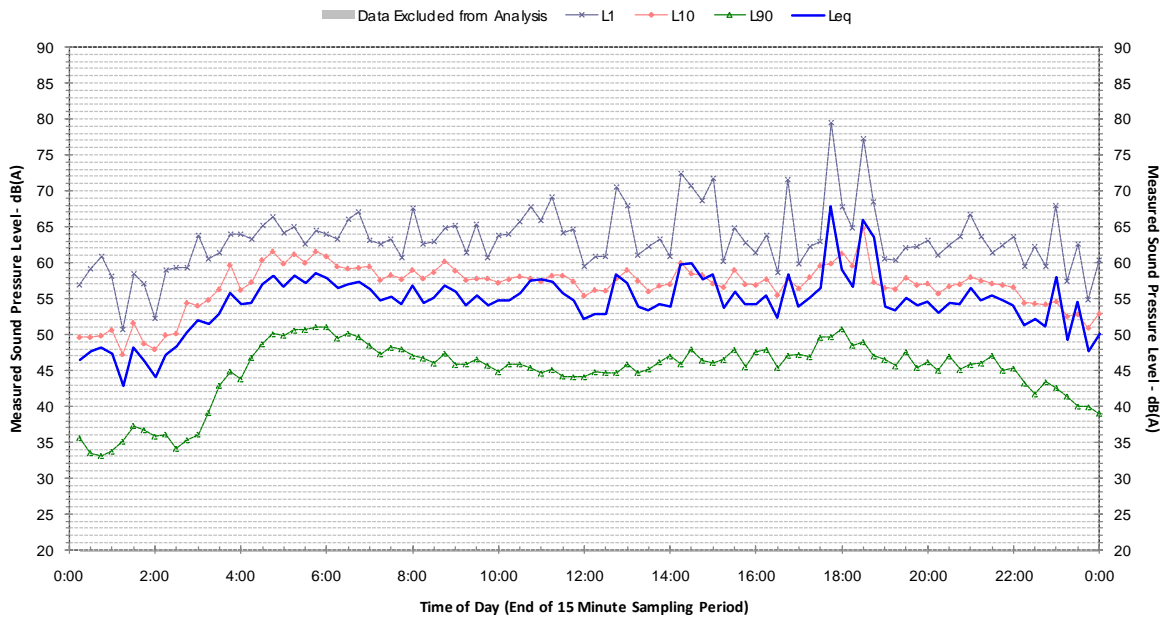
Profile of Noise Environment - Noise Monitoring Location 4 Sunday 13 October 2013



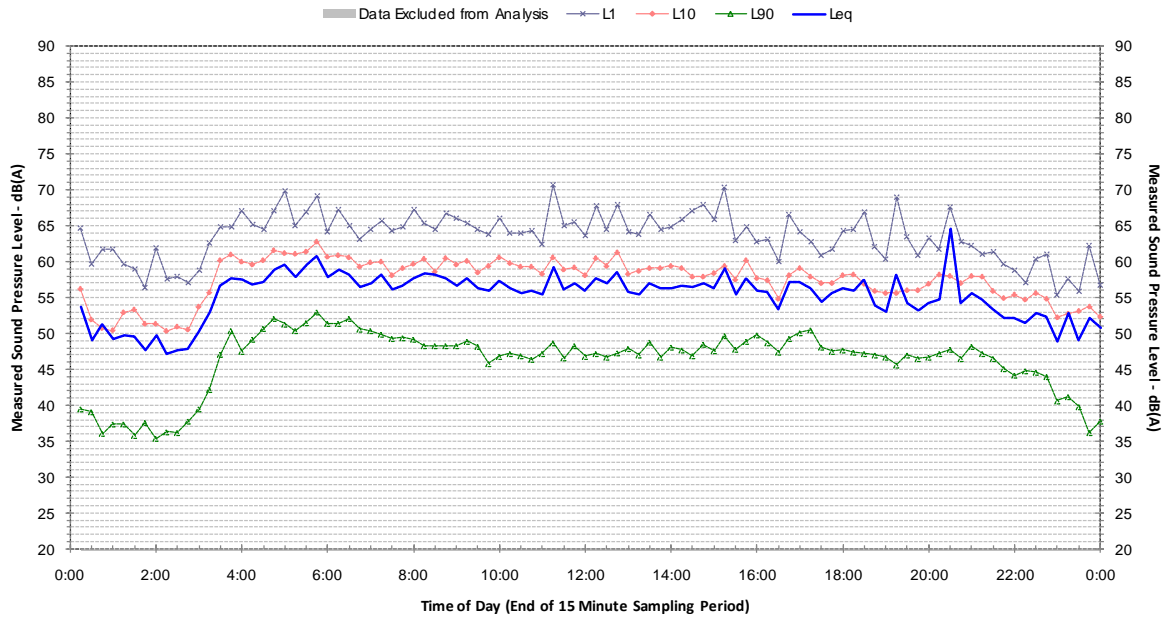
Profile of Noise Environment - Noise Monitoring Location 4 Monday 14 October 2013



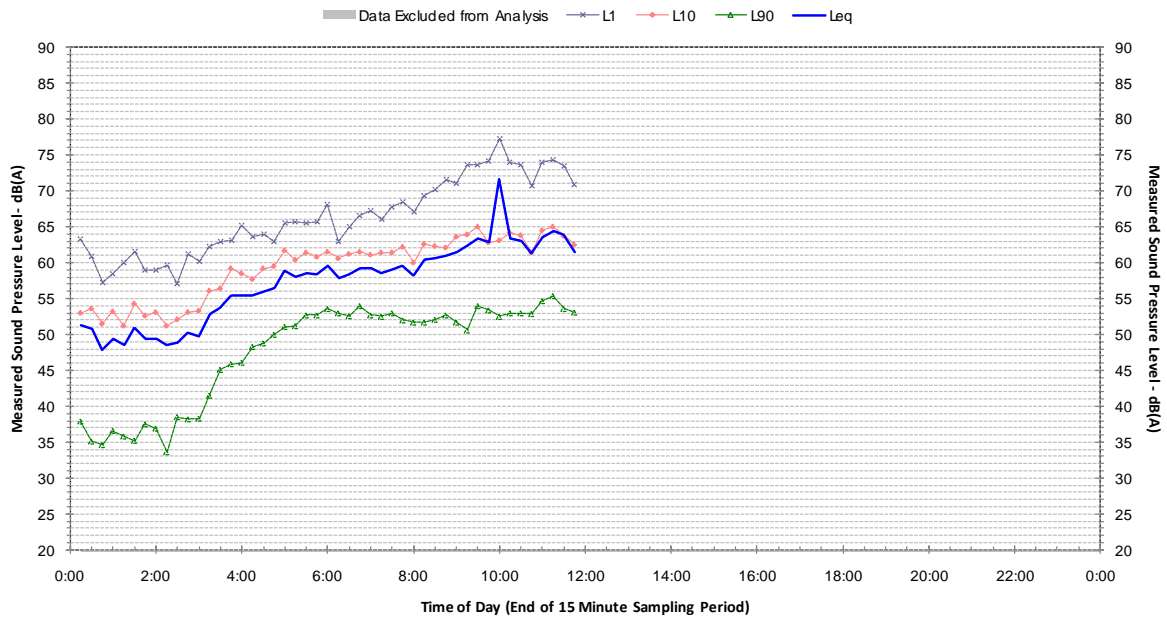
Profile of Noise Environment - Noise Monitoring Location 4 Tuesday 15 October 2013



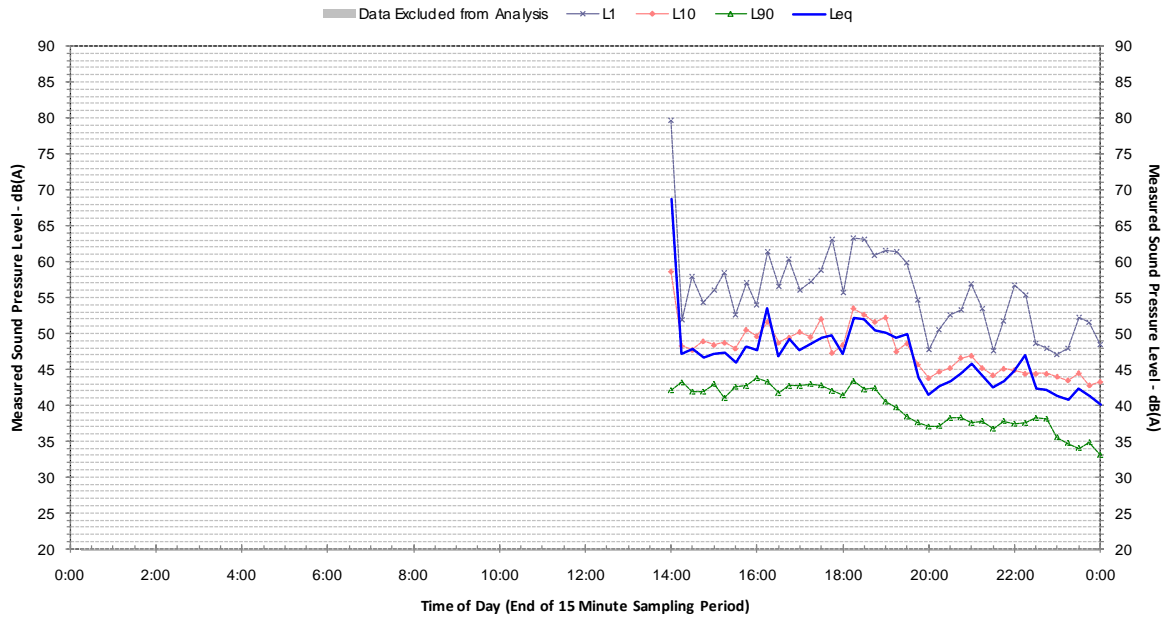
Profile of Noise Environment - Noise Monitoring Location 4 Wednesday 16 October 2013



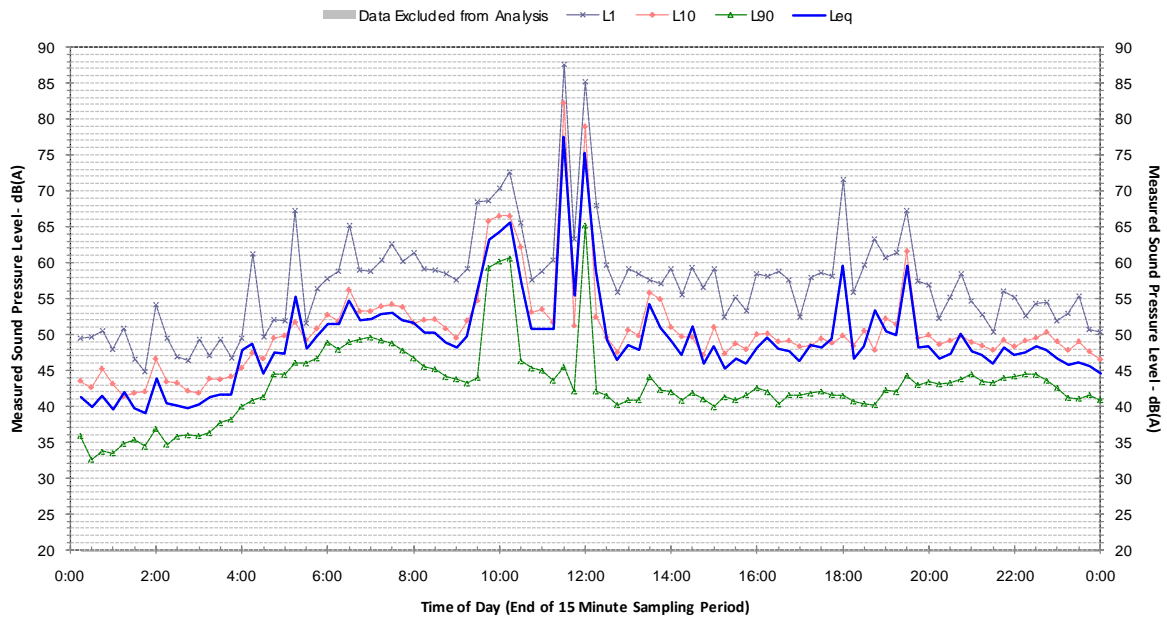
Profile of Noise Environment - Noise Monitoring Location 4 Thursday 17 October 2013



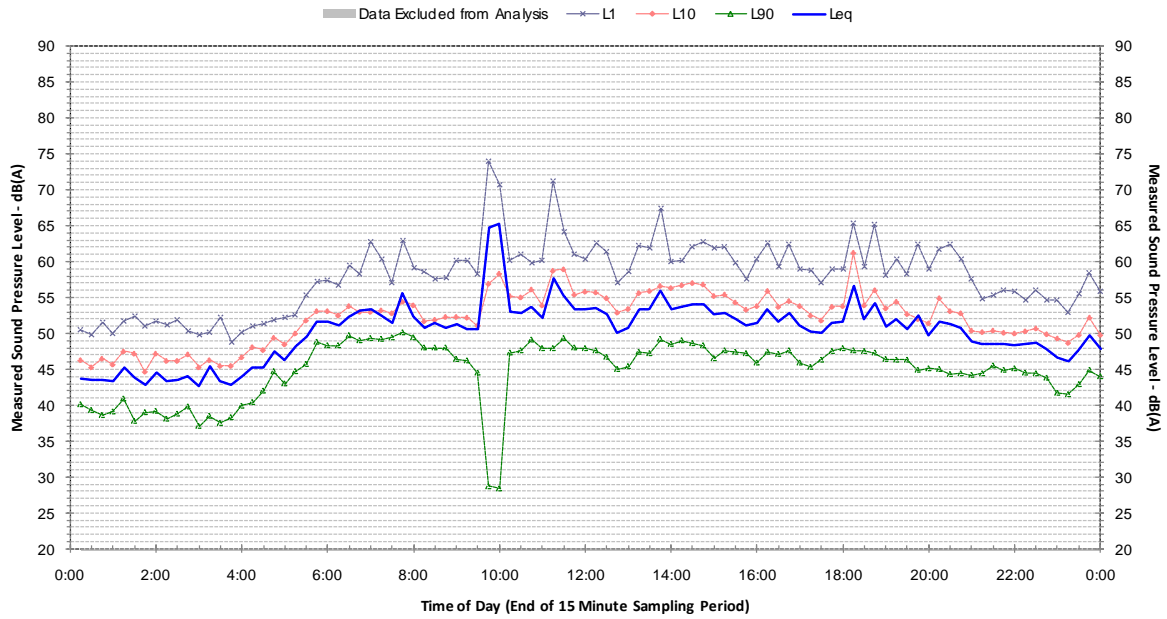
Profile of Noise Environment - Noise Monitoring Location 5 Tuesday 8 October 2013



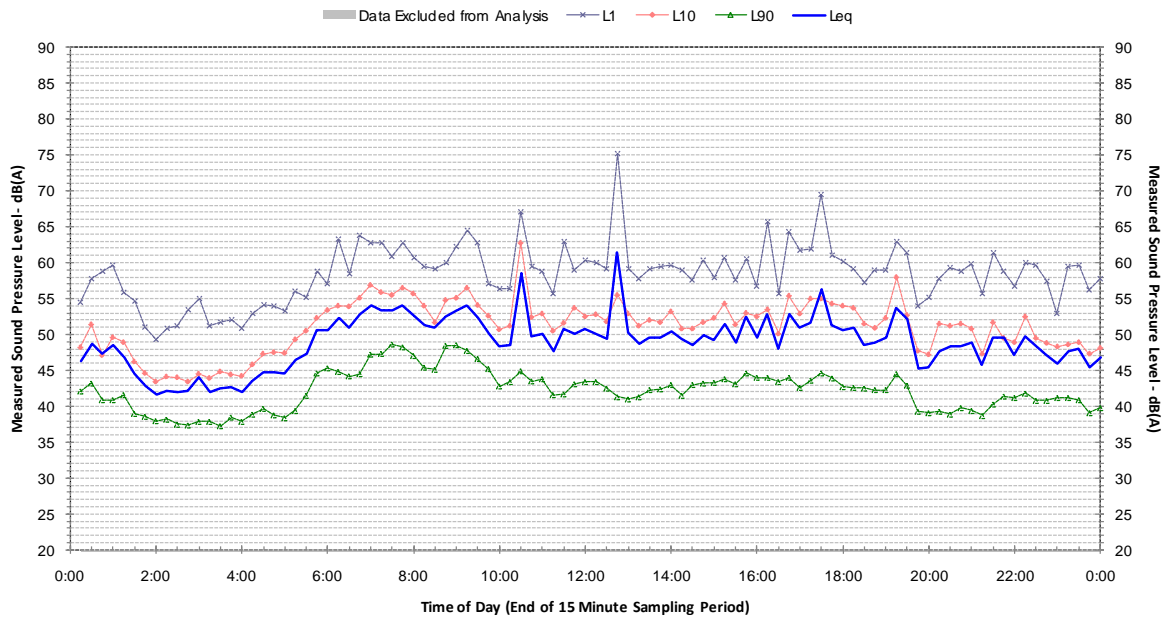
Profile of Noise Environment - Noise Monitoring Location 5 Wednesday 9 October 2013



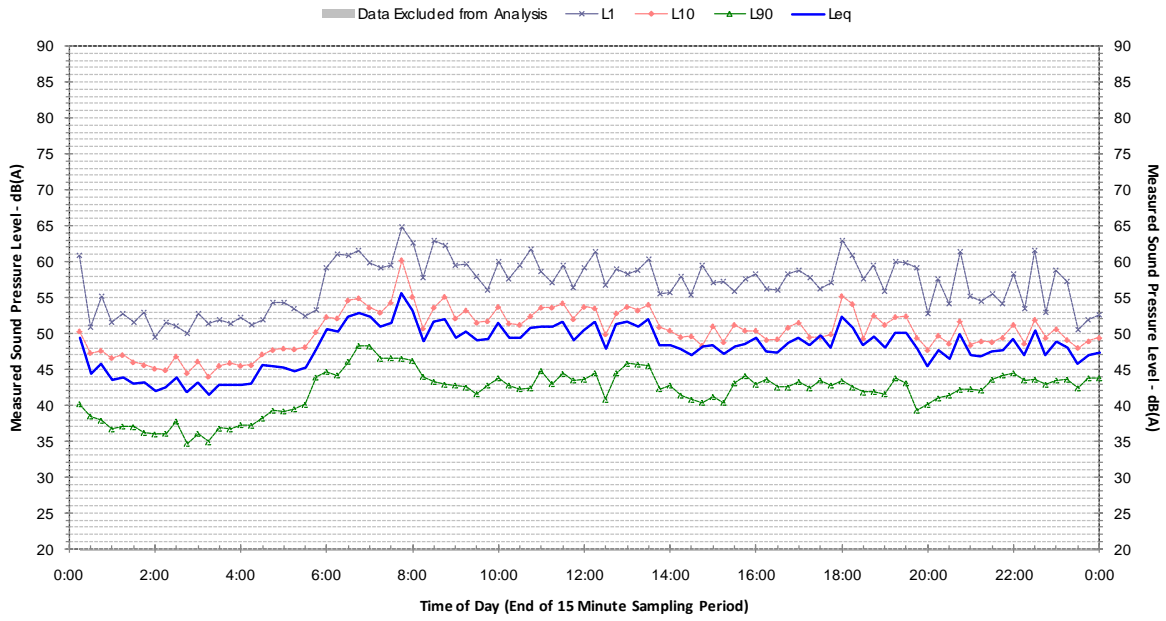
Profile of Noise Environment - Noise Monitoring Location 5 Thursday 10 October 2013



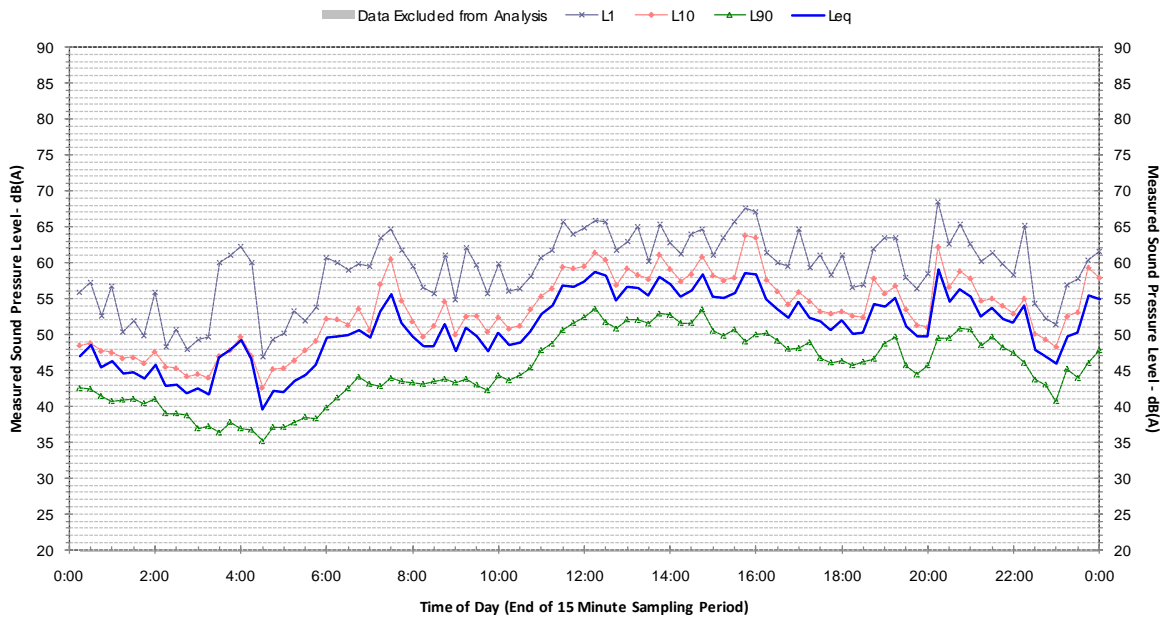
Profile of Noise Environment - Noise Monitoring Location 5 Friday 11 October 2013



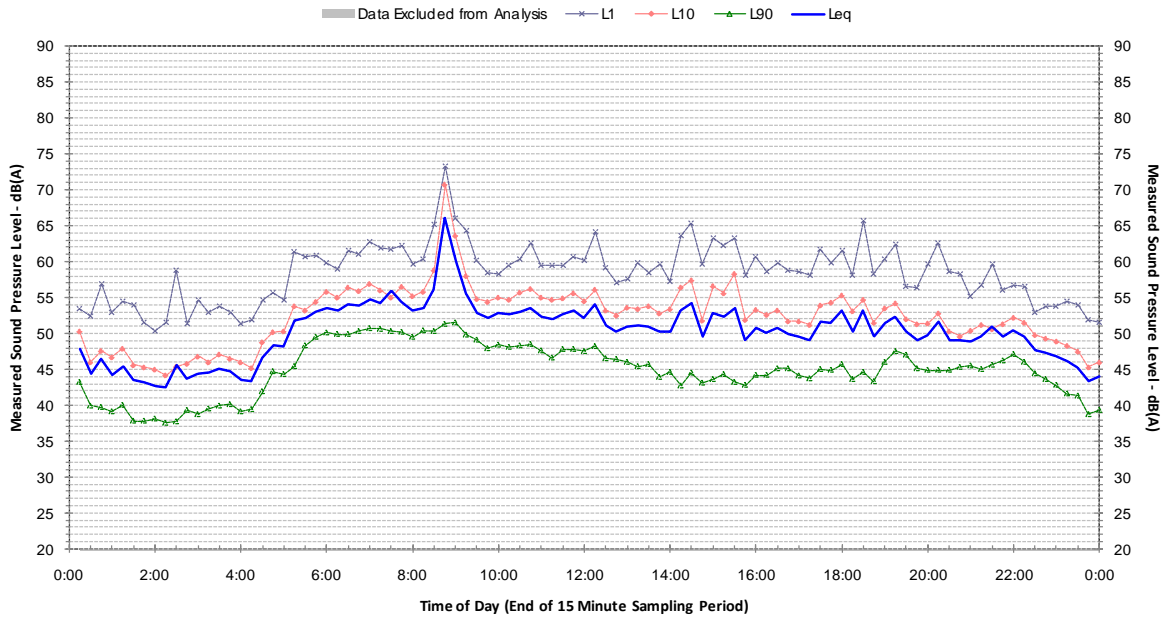
Profile of Noise Environment - Noise Monitoring Location 5 Saturday 12 October 2013



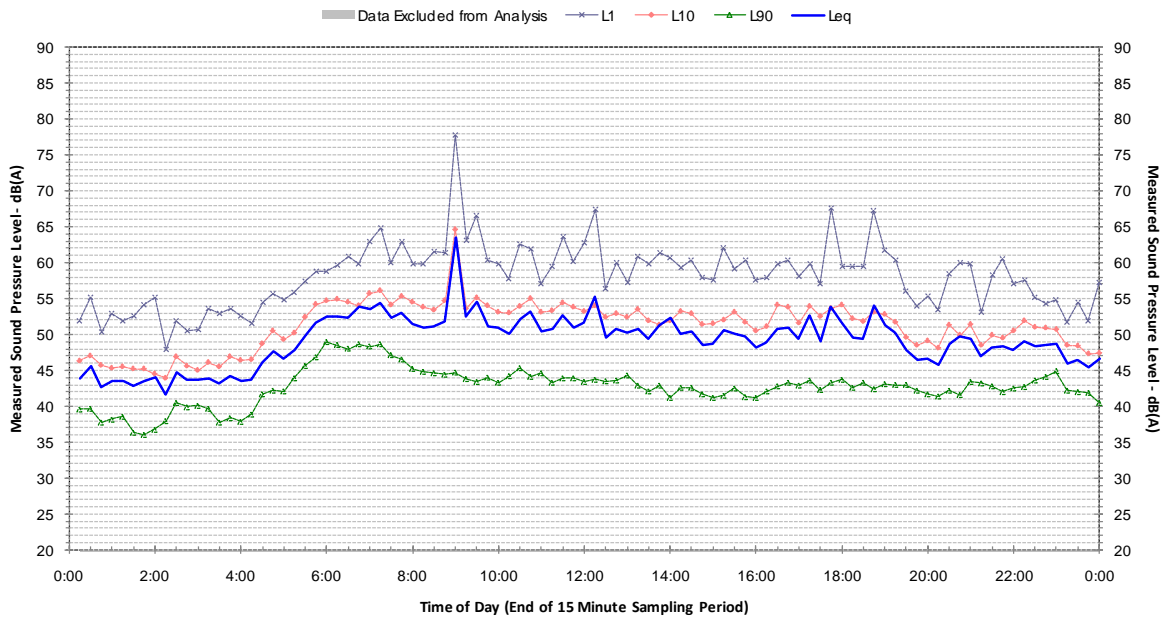
Profile of Noise Environment - Noise Monitoring Location 5 Sunday 13 October 2013



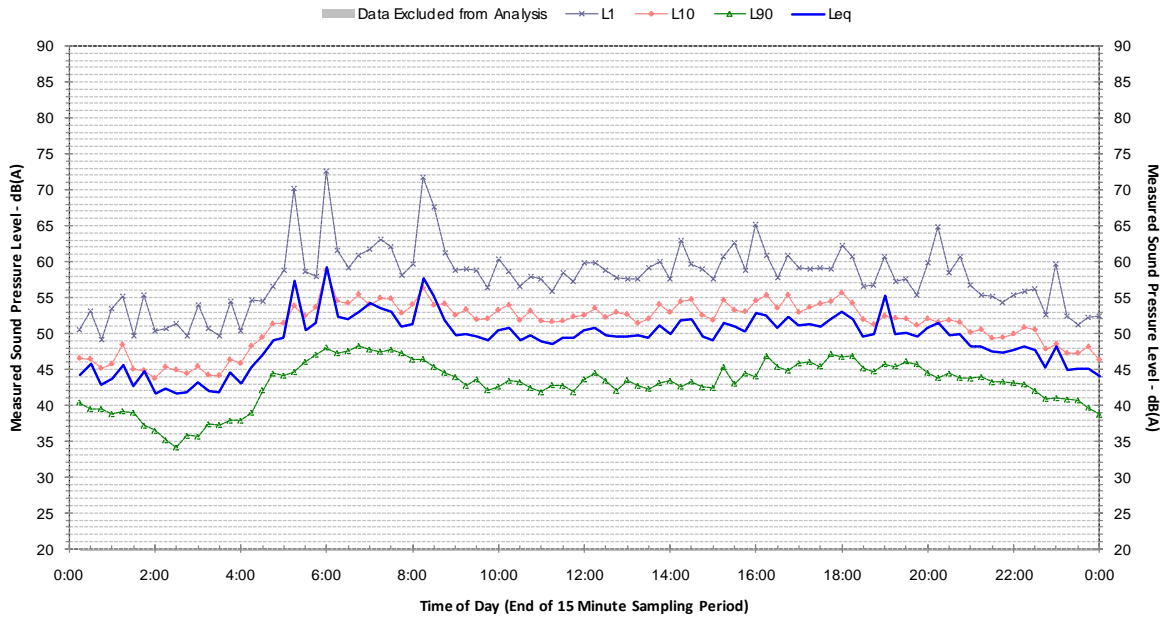
Profile of Noise Environment - Noise Monitoring Location 5 Monday 14 October 2013



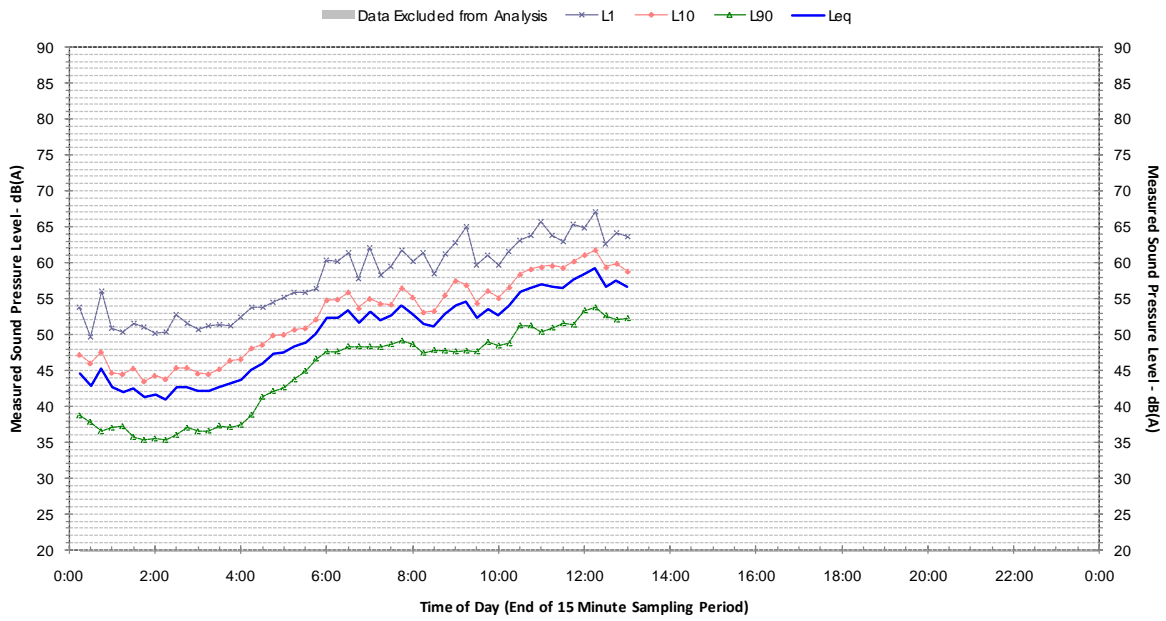
Profile of Noise Environment - Noise Monitoring Location 5 Tuesday 15 October 2013



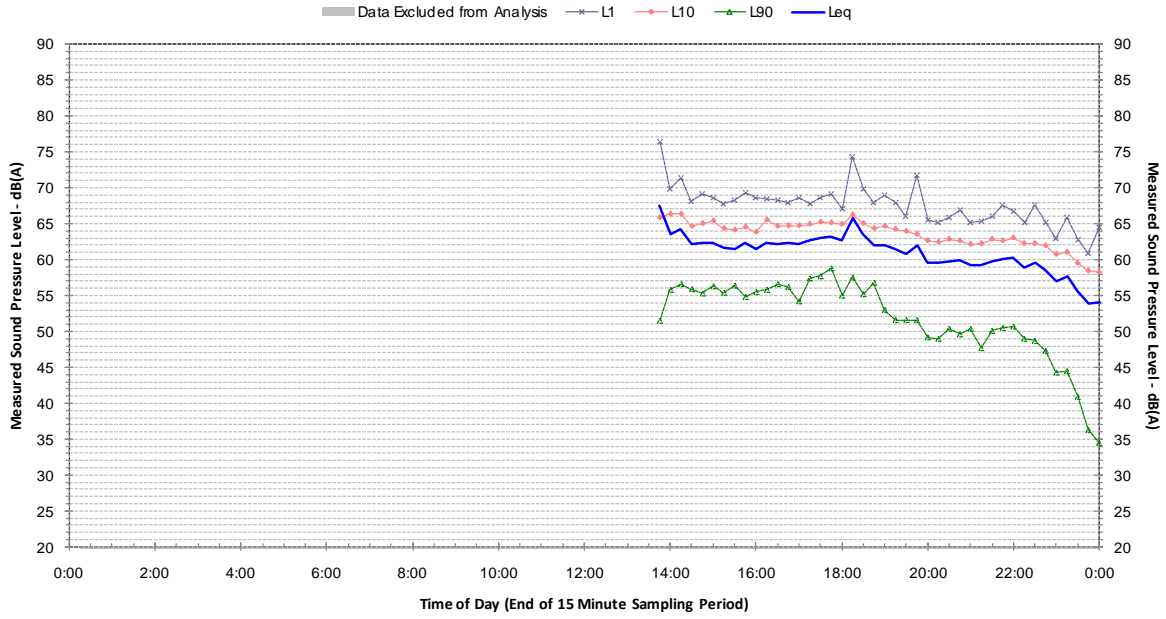
Profile of Noise Environment - Noise Monitoring Location 5 Wednesday 16 October 2013



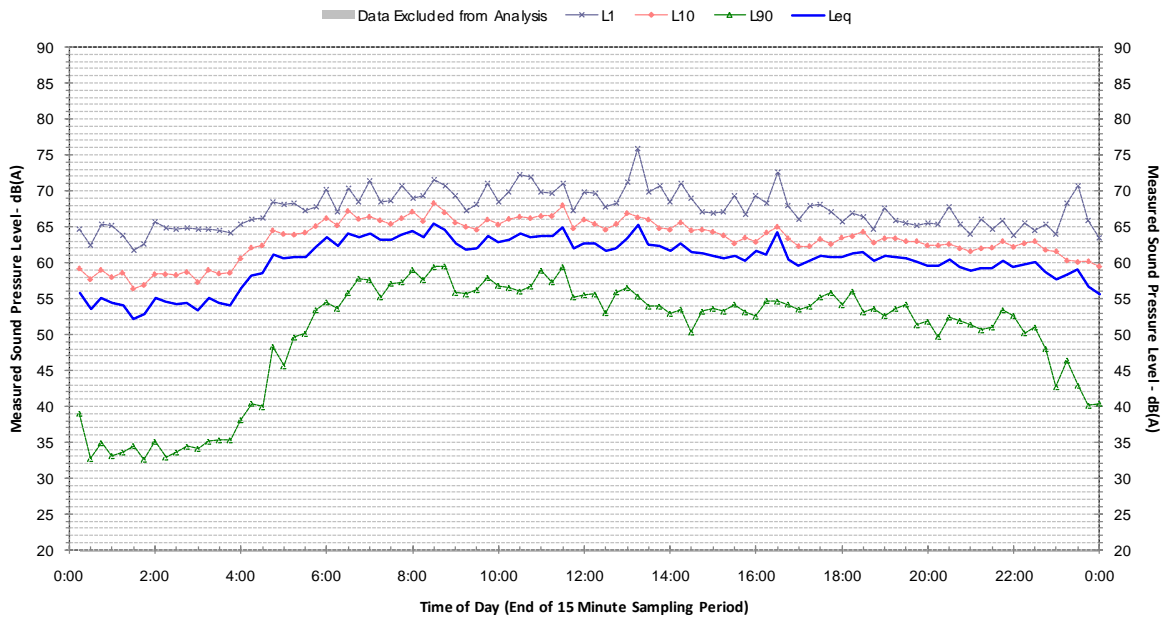
Profile of Noise Environment - Noise Monitoring Location 5 Thursday 17 October 2013



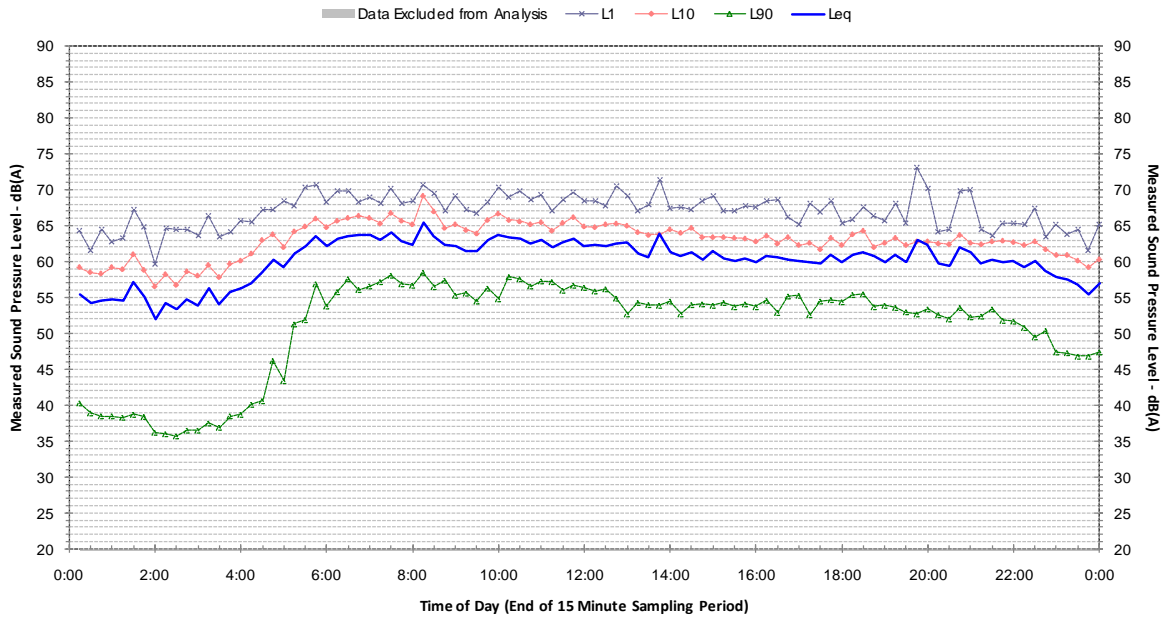
Profile of Noise Environment - Noise Monitoring Location 6 Tuesday 8 October 2013



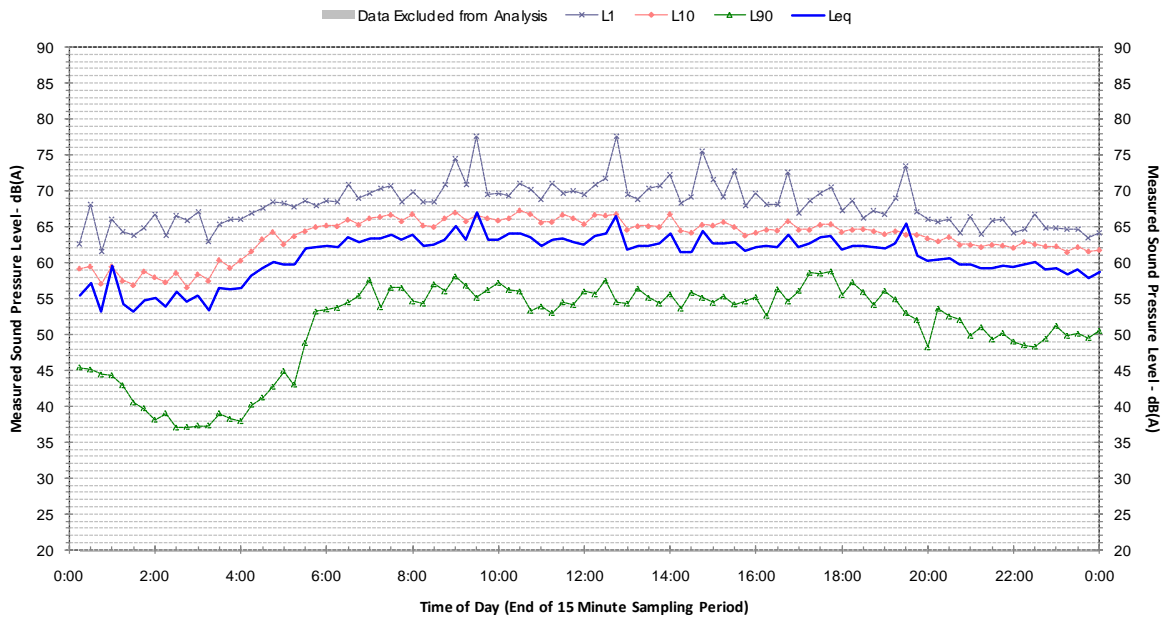
Profile of Noise Environment - Noise Monitoring Location 6 Wednesday 9 October 2013



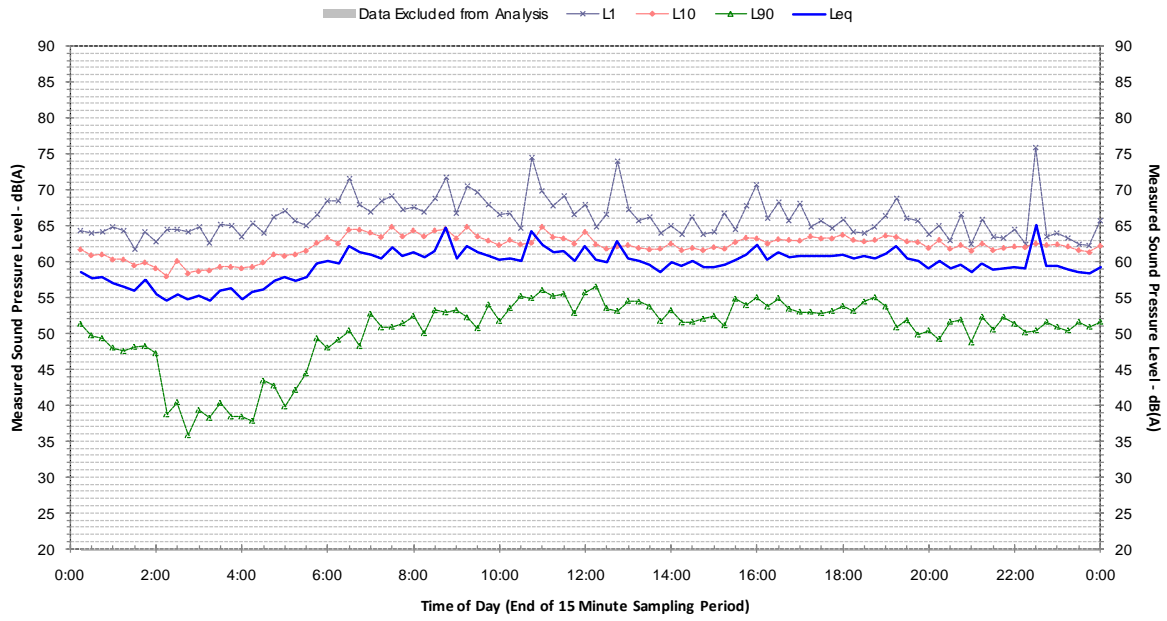
Profile of Noise Environment - Noise Monitoring Location 6 Thursday 10 October 2013



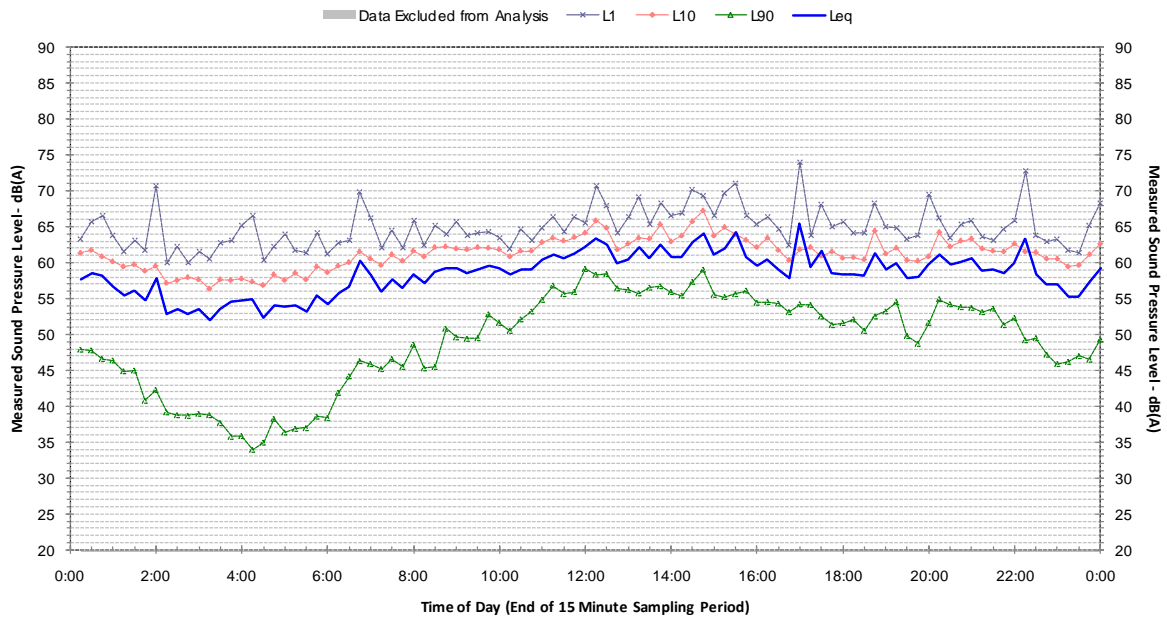
Profile of Noise Environment - Noise Monitoring Location 6 Friday 11 October 2013



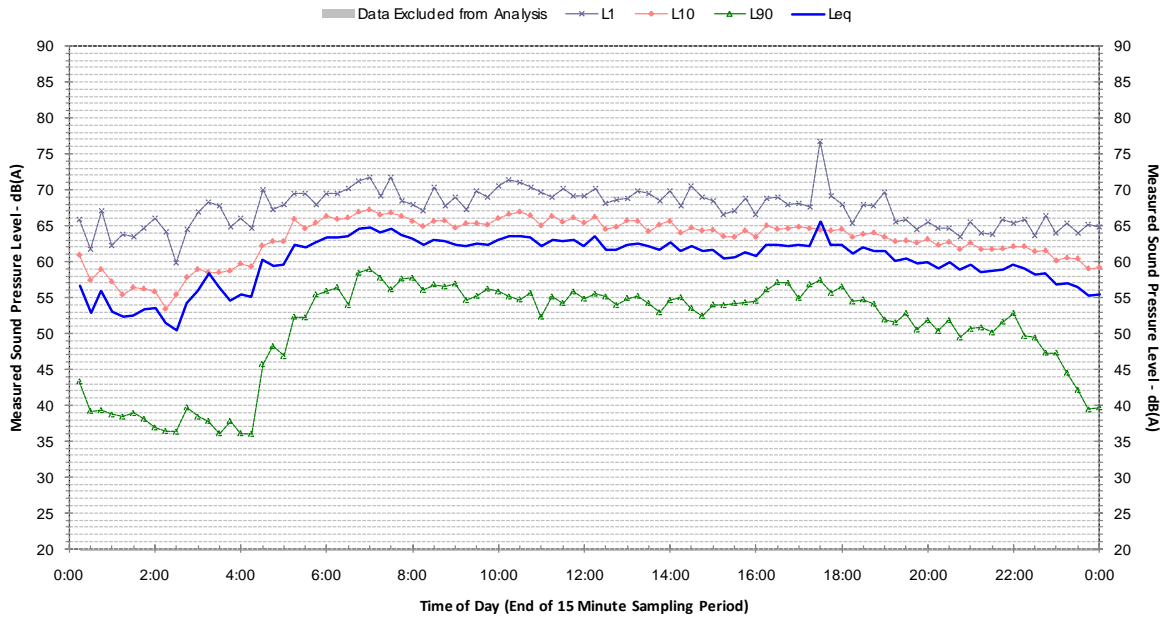
Profile of Noise Environment - Noise Monitoring Location 6 Saturday 12 October 2013



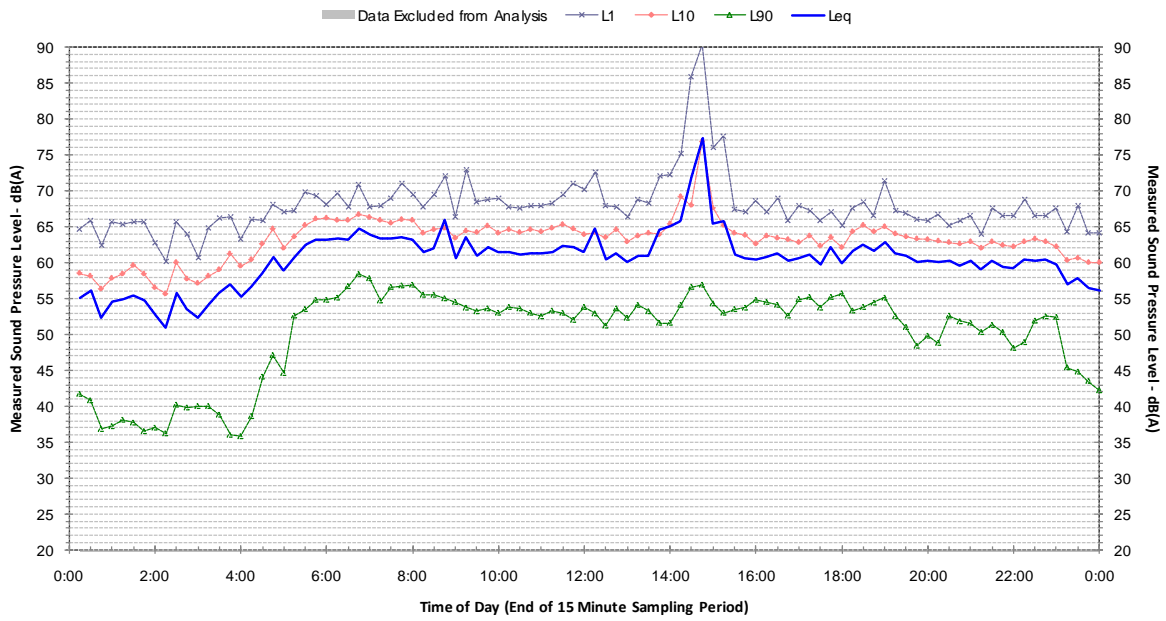
Profile of Noise Environment - Noise Monitoring Location 6 Sunday 13 October 2013



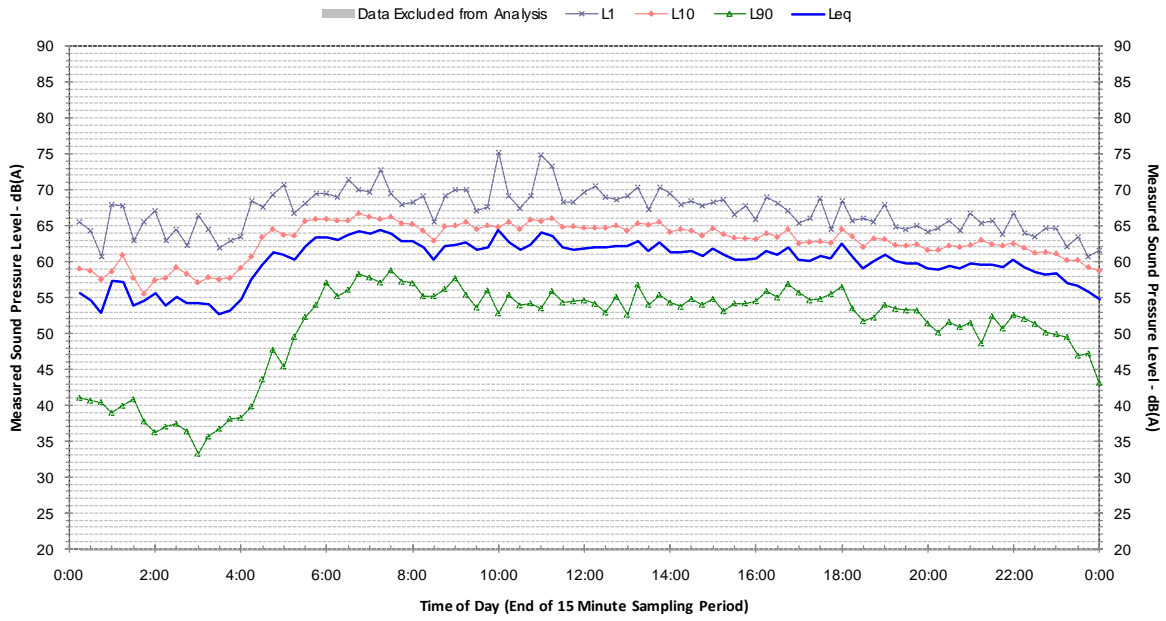
Profile of Noise Environment - Noise Monitoring Location 6 Monday 14 October 2013



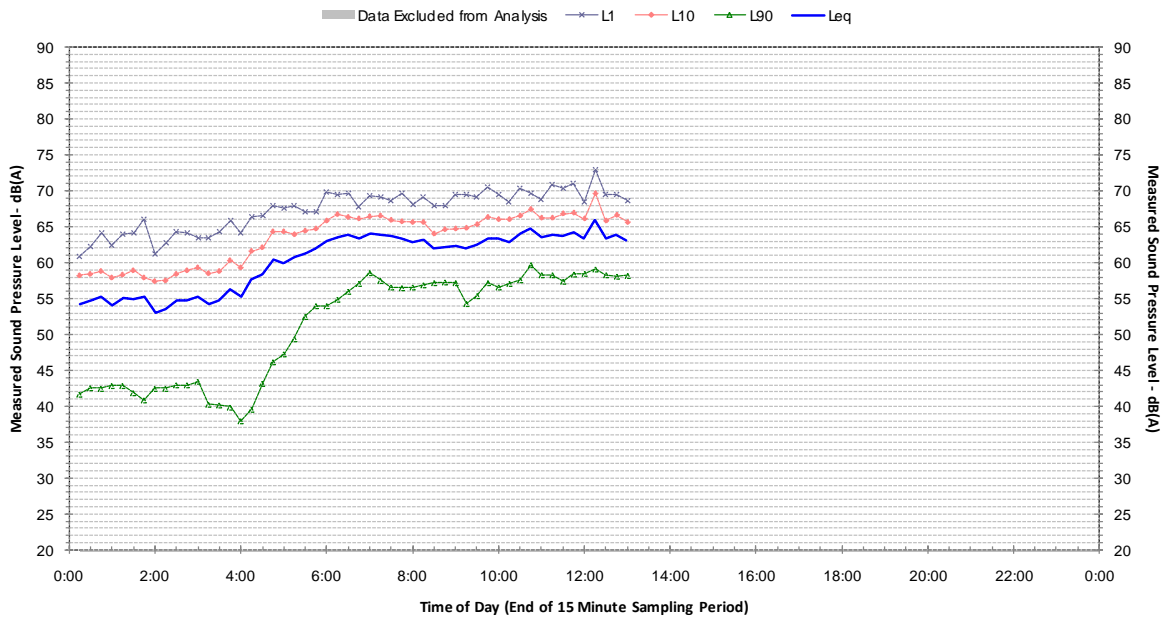
Profile of Noise Environment - Noise Monitoring Location 6 Tuesday 15 October 2013



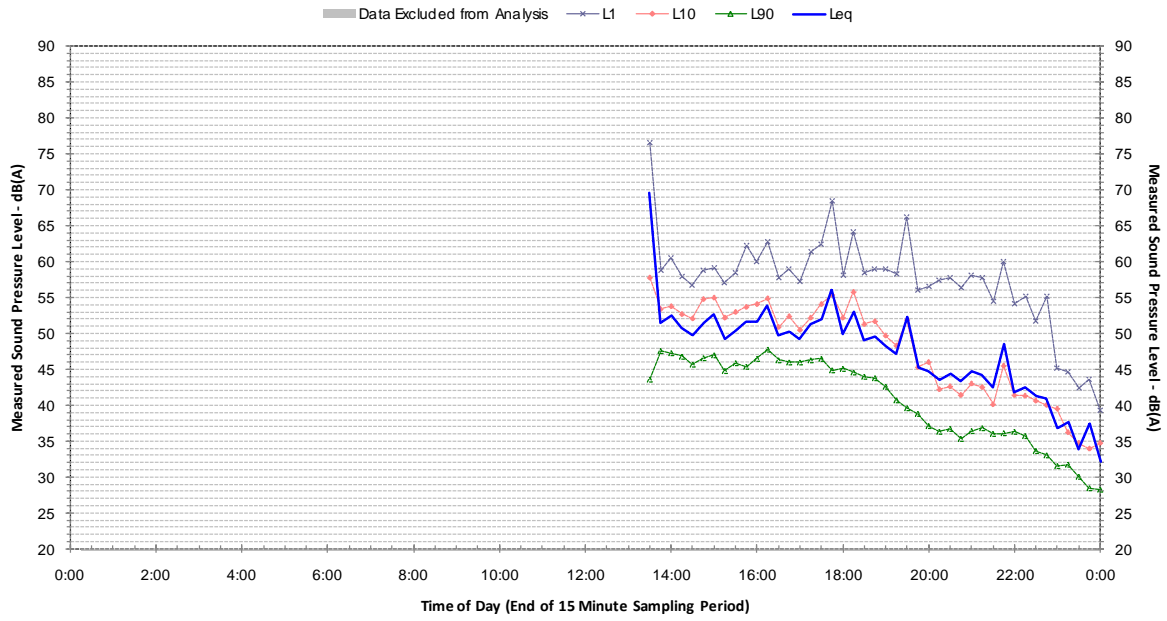
Profile of Noise Environment - Noise Monitoring Location 6 Wednesday 16 October 2013



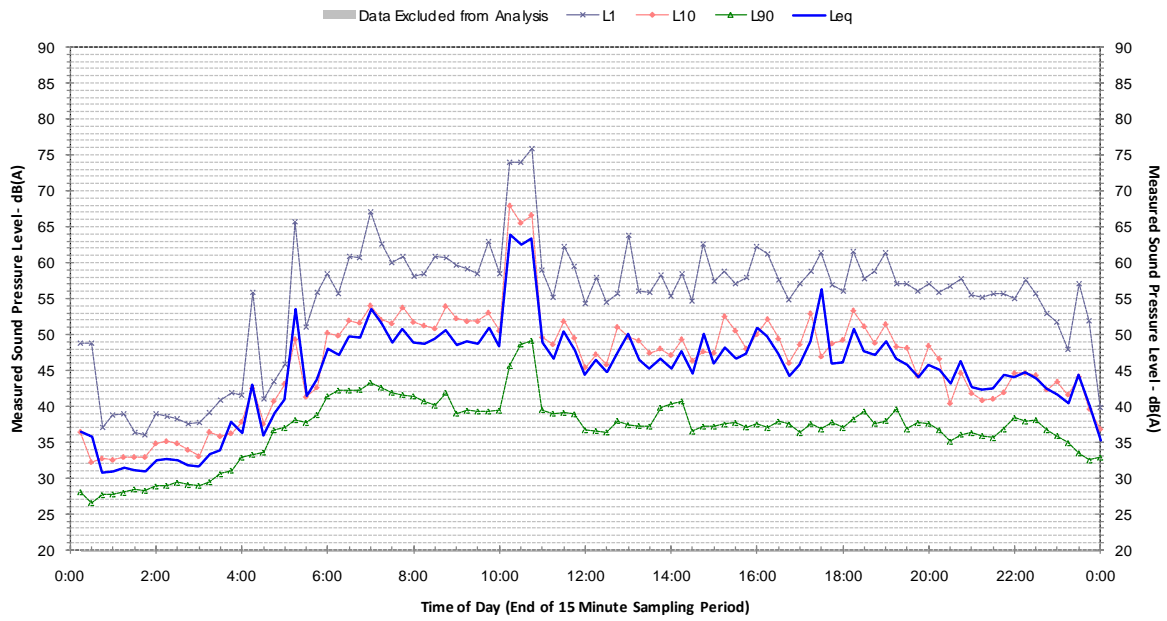
Profile of Noise Environment - Noise Monitoring Location 6 Thursday 17 October 2013



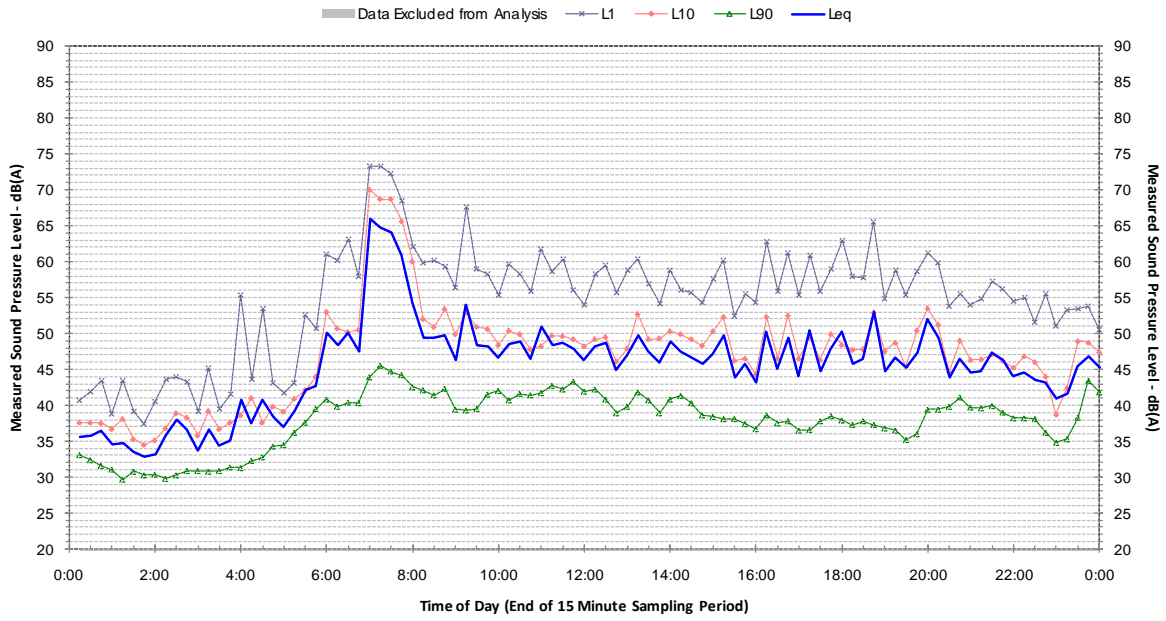
Profile of Noise Environment - Noise Monitoring Location 7 Tuesday 8 October 2013



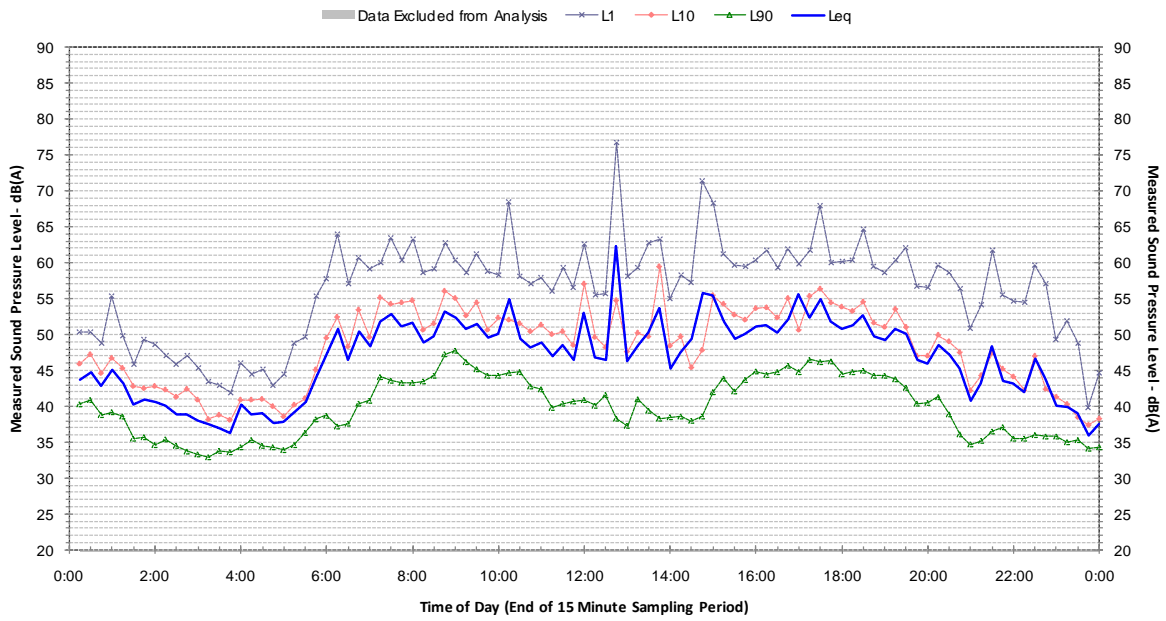
Profile of Noise Environment - Noise Monitoring Location 7 Wednesday 9 October 2013



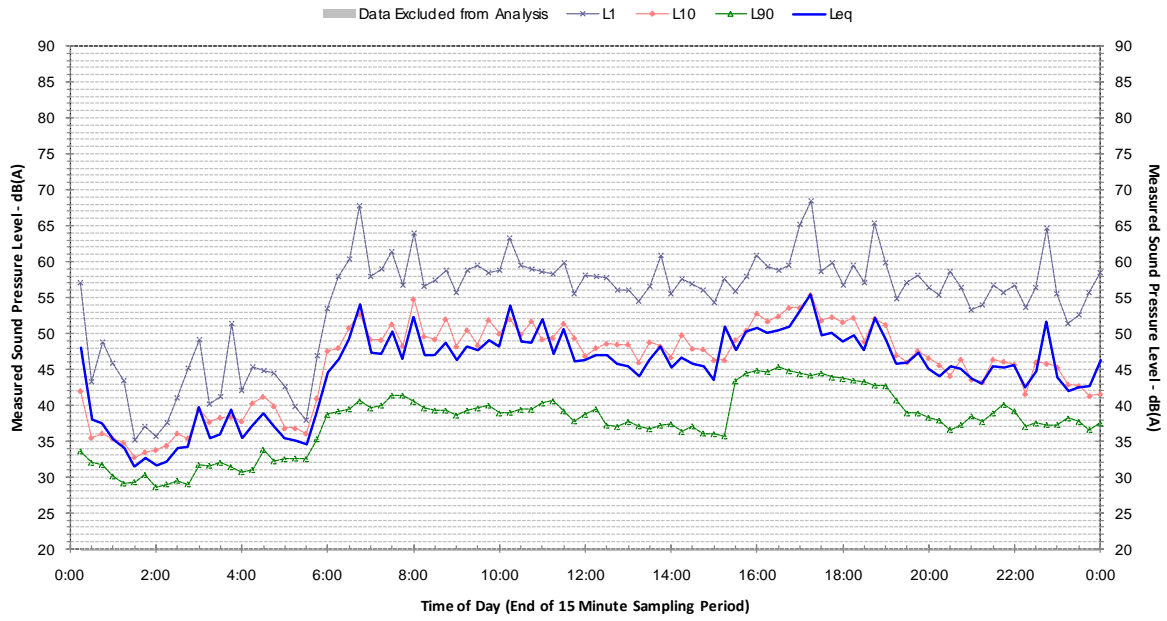
Profile of Noise Environment - Noise Monitoring Location 7 Thursday 10 October 2013



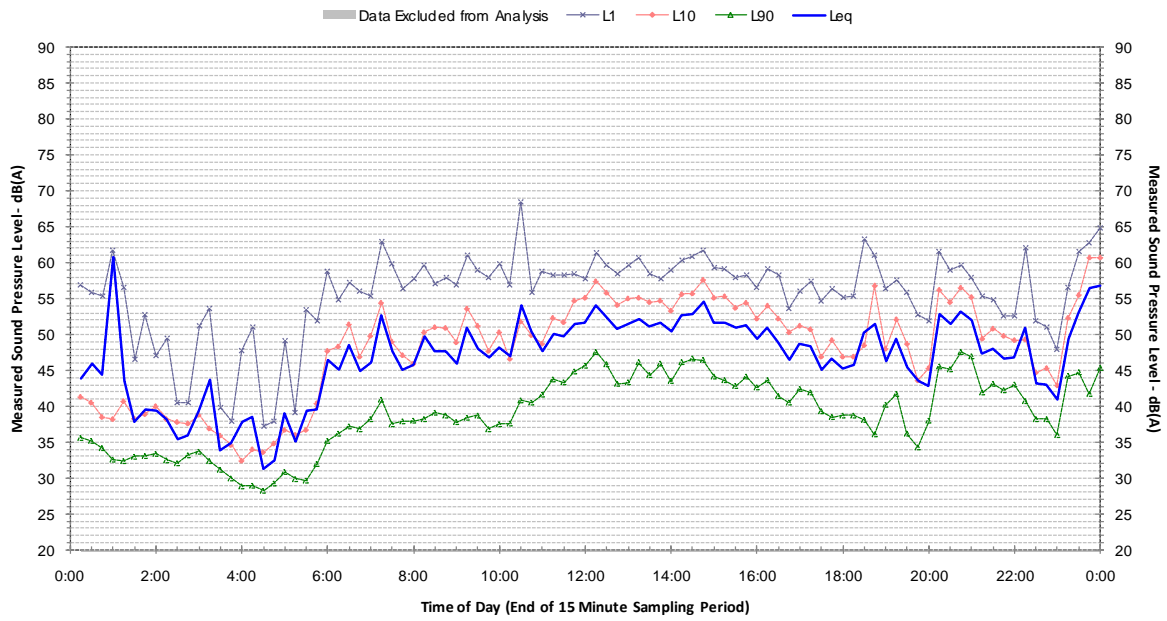
Profile of Noise Environment - Noise Monitoring Location 7 Friday 11 October 2013



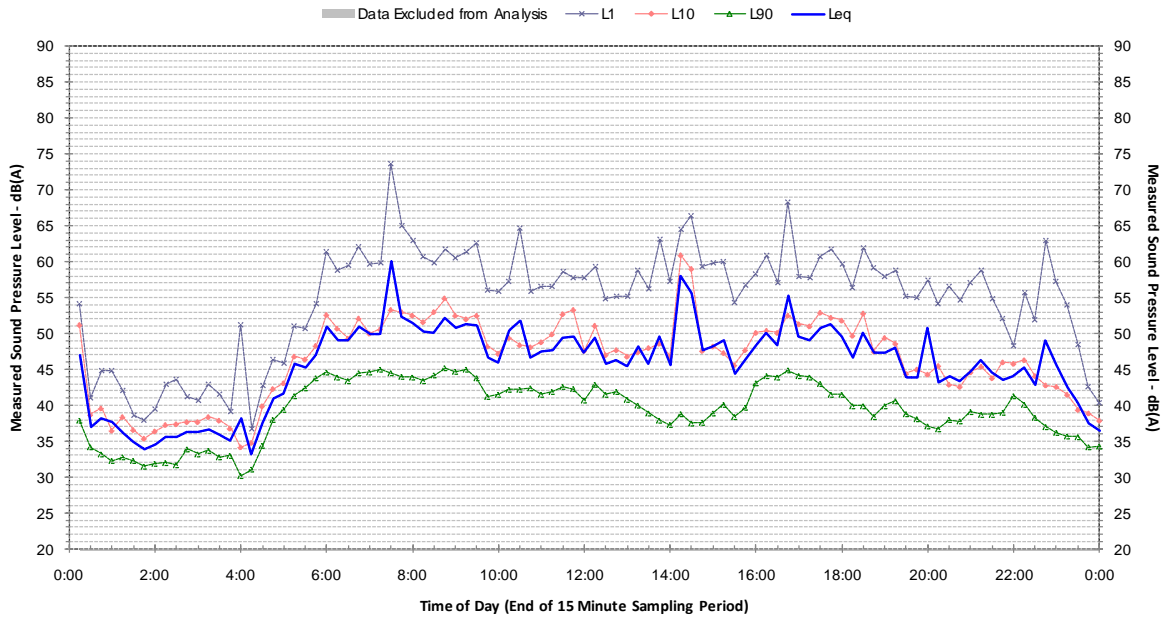
Profile of Noise Environment - Noise Monitoring Location 7 Saturday 12 October 2013



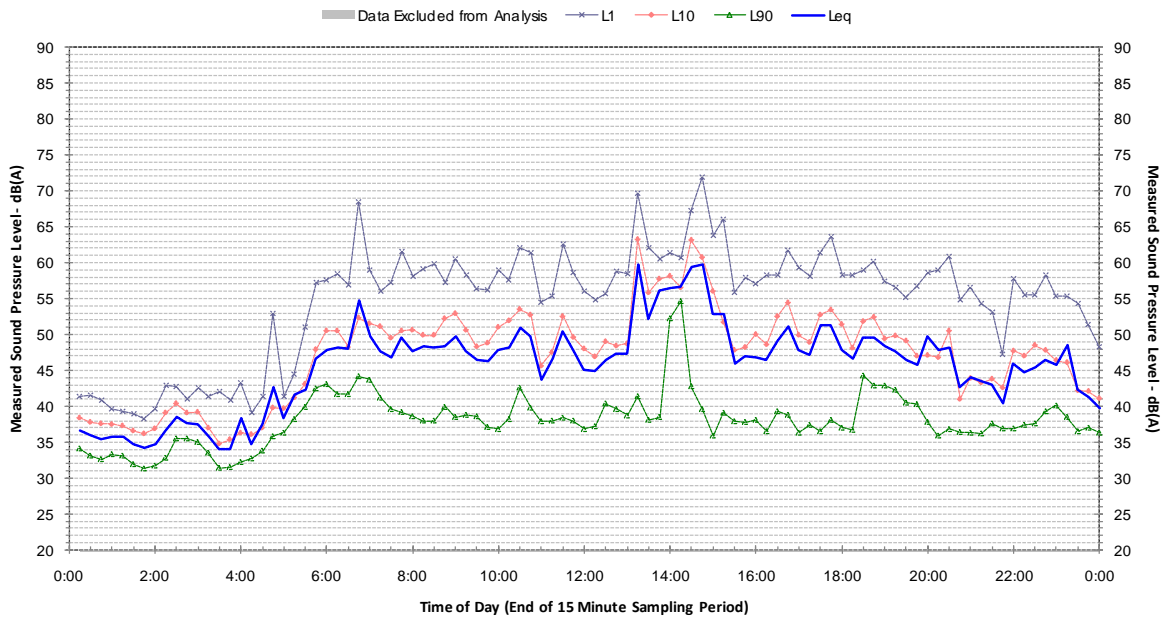
Profile of Noise Environment - Noise Monitoring Location 7 Sunday 13 October 2013



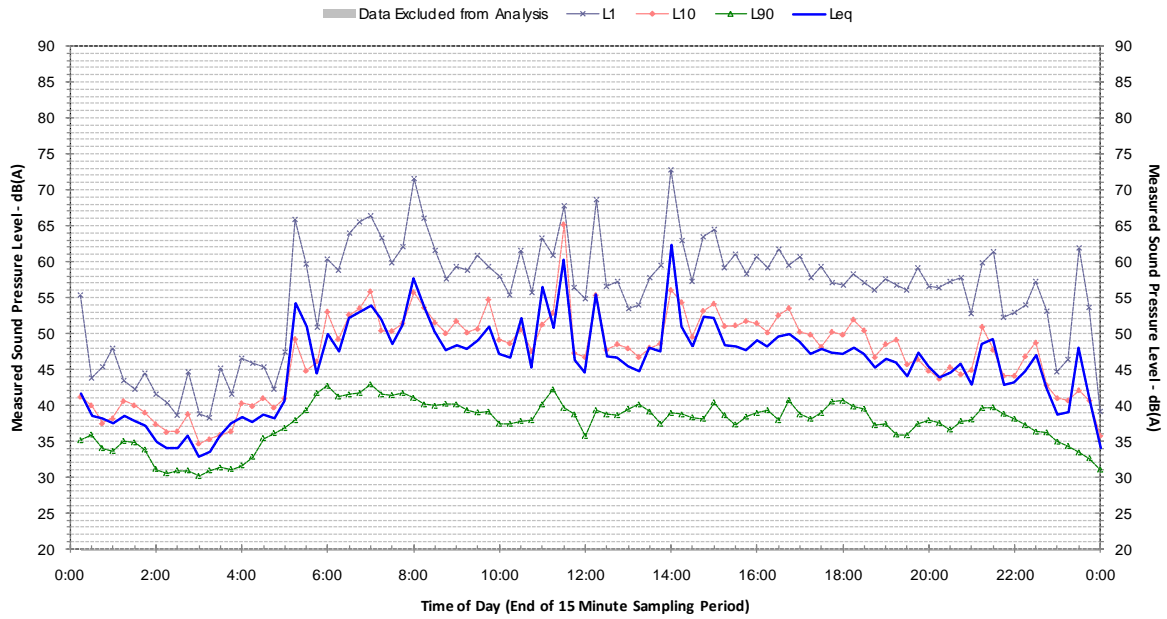
Profile of Noise Environment - Noise Monitoring Location 7 Monday 14 October 2013



Profile of Noise Environment - Noise Monitoring Location 7 Tuesday 15 October 2013



Profile of Noise Environment - Noise Monitoring Location 7 Wednesday 16 October 2013



Profile of Noise Environment - Noise Monitoring Location 7 Thursday 17 October 2013

