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PEARSON STREET BRIDGE AND CASSIDY PARADE FOOTBRIDGE – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM 3

A2I | Albury to Illabo

CONTRACT NUMBER: 0052

PROJECT DOCUMENT NUMBER:

6-0052-210-EEC-W0-AS-0002_ADD3

Document Control

DOCUMENT TITLE:	Pearson Street Bridge and Cassidy Parade Footbridge – Construction Noise and Vibration Impact Statement Addendum 3		
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Revision History

REVISION	**REVISION DATE**	**AMENDMENT**	**DATE TO CLIENT**
0	22/01/2026	For information	22/01/2026

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GLOSSARY

Specific terms and acronyms used throughout this plan are listed and described in Table 1 below.

TABLE 1: DEFINITIONS

TERM	DEFINITION
A2I	Albury to Illabo section of the Inland Rail project
CA	Consistency Assessment
CNVIS	Construction Noise and Vibration Impact Statement
CNVIS Addendum	This document
km	Kilometres
m	Metres
NML	Noise Management Level
OOH	Out-of-hours
Project	Albury to Illabo project approved under section 5.19 of the EP&A Act on 8 October 2024, as modified on 13 August 2025
Pearson Street	Pearson Street bridge enhancement site
Pearson Street Bridge and Cassidy Parade Footbridge CNVIS; the endorsed CNVIS	Pearson Street Bridge and Cassidy Parade Footbridge Construction Noise and Vibration Impact Statement (Doc No. 6-0052-210-EEC-W0-AS-0002_0)
RBL	Rating Background Level
SLR Predict	A2I noise and vibration management tool
T	Tonnes
W.020	Work Scenario 20 – Signalling works
W.020A	Work Scenario 20A – CSR installation/relocation works

1 INTRODUCTION

1.1 Purpose of this Addendum

This Construction Noise and Vibration Impact Statement Addendum (CNVIS Addendum) has been prepared to identify and assess the additional work scenario required to support and enable the wider scope of activities associated with the Pearson Street bridge enhancement site (Pearson) works. This CNVIS Addendum will form part of the endorsed Pearson Street Bridge and Cassidy Parade Footbridge CNVIS (Doc No: 6-0052-210-EEC-W0-AS-0002_0) (endorsed CNVIS).

This CNVIS Addendum should be reviewed in conjunction with the endorsed CNVIS, including adopted rating background levels (RBLs), noise management levels (NMLs) and assessment criteria in accordance with the Infrastructure Approval (SSI-10055).

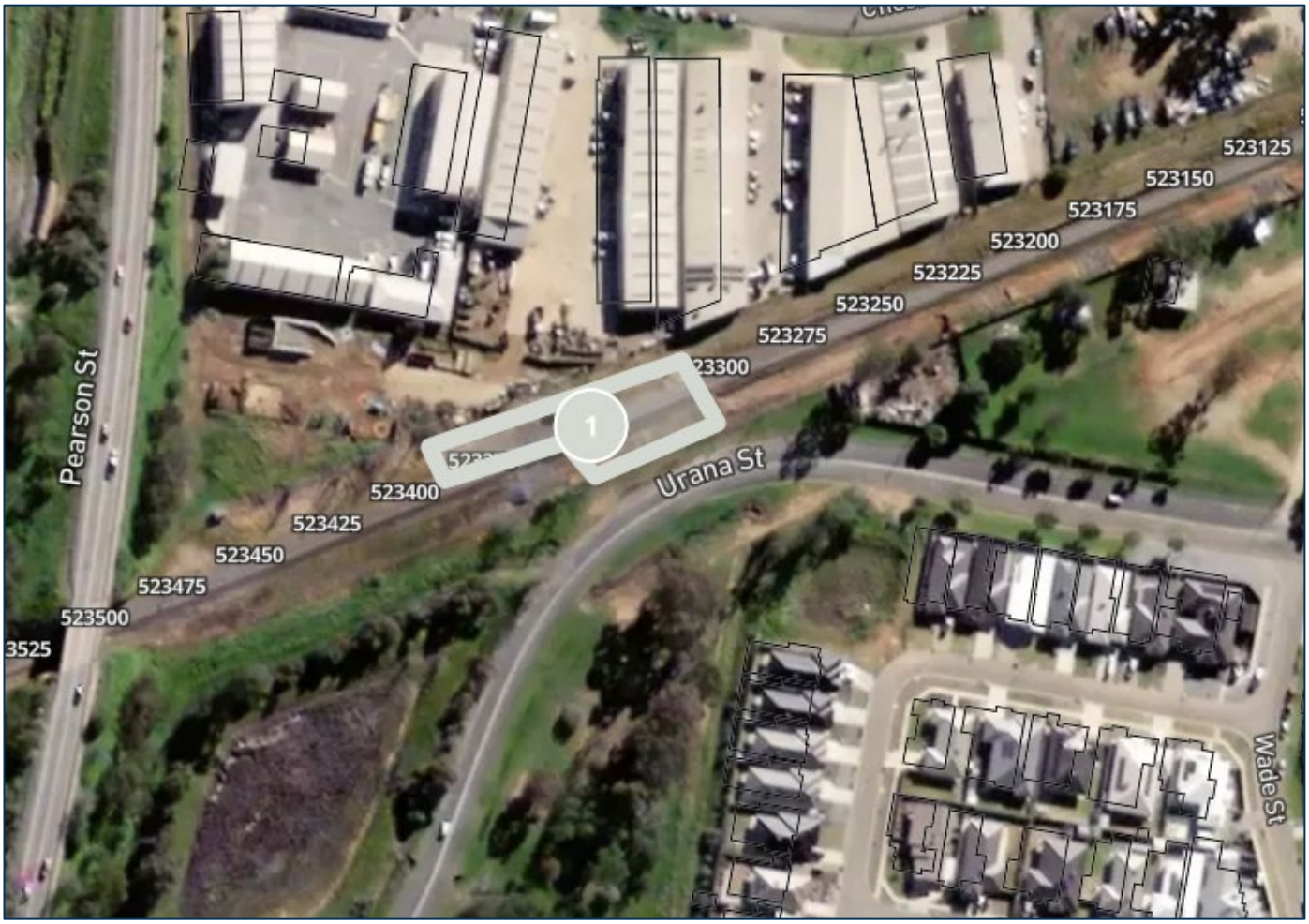

FIGURE 1: WORK AREA FOR W.020A (CNVIS ADDENDUM)

2 NOISE ASSESSMENT

The potential construction noise levels from the proposed works have been predicted using SLR Predict, the A2I project-specific noise and vibration tool. This CNVIS Addendum assesses the work scenario identified in Table 2.

TABLE 2: WORK SCENARIO DESCRIPTION

ID	Scenario	Description	Total Lw
Cassidy Parade Footbridge			
W.020A	▪ Signalling works	▪ CSR installation/relocation works	▪ 115

2.1 Pearson Street – CSR works (W.020A)

2.1.1 Scope

The new scenario forms part of the wider scope of works associated at Pearson Street. These works involve CSR installation and relocation works and will enable the wider scope of works associated with Pearson Street. The work area for these works has been identified in the Wagga Wagga Stage B Consistency Assessment (CA) (Doc No: 6-0052-210-EAP-W0-AS-0001_0.1).

This CNVIS Addendum has assessed the required work area using SLR Predict, the A2I noise and vibration management tool, with the following noted:

Plant and equipment

- 1x Vacuum truck
- 1x Elevated work platform (EWP)
- 2x Plate compactor
- 1x Excavator (5T)
- 1x Excavator (8T)
- 1x Tipper truck
- 1x Skid steer
- 1x Concrete agitator truck
- 1x Concrete pump truck

Construction hours

- Standard approved hours:
- 7am to 6pm Monday to Friday, inclusive
- 7am to 6pm Saturday
- Day Out-of-Hours (OOH):
- 8am to 6pm Sunday and Public Holidays
- Evening OOH:
- 6pm to 10pm Monday to Sunday (including Public Holidays)
- Night OOH:
- 10pm to 7am Monday to Saturday
- 10pm to 8am Sunday (including Public Holidays)

2.1.2 Assessment

The new work scenario has been assessed utilising SLR Predict. The plant and equipment list (as noted above) has been considered as a worst-case scenario within a 15-minute assessment period. The operating time (utilisation %) of each plant and equipment is representative to site working conditions.

2.1.3 Results

The SLR Predict results are presented in Appendix A, for night-time OOH, as the most affected period.

Table 3 provides a summary of the exceedances identified through various assessments. It compares the following:

- W.020 exceedances identified in the endorsed CNVIS (comparable due to scope and location)
- W.020A exceedances identified in the SLR Predict results for the work area in Figure 1

TABLE 3: EXCEEDANCE COMPARISONS FOR W.020A

ASSESSMENT RESULTS (DAYTIME OOH)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.020	SLR Predict – W.020A (additional work scenario)
Total Lw (dBA)	119	115
Noticeable (1-5 dB)	702	65
Clearly Audible (6-15 dB)	302	39
Moderately Intrusive (16-25 dB)	58	22
Highly Intrusive (>25 dB)	22	0
Above Sleep Disturbance	249	27
Above Sleep Awakening	47	0

Table 3 shows a decrease in the intensity of impacts resulting from the additional work scenario (W.020A) as compared to the signalling work scenario in the endorsed CNVIS (W.020). There is an overall decrease of the number of receivers potentially experiencing noticeable (1-5 dB), clearly audible (6-15 dB), moderately intrusive (16-25 dB) and highly intrusive (>25 dB) impacts. This is most likely due to the difference of plant and equipment between the two work scenarios (W.020 and W.020A).

3 VIBRATION ASSESSMENT

3.1 Pearson Street – CSR works (W.020A)

There are no vibration intensive plant and equipment proposed as part of W.020A; therefore, no vibration impacts are expected.

4 CONCLUSION

4.1 Mitigation and management measures

As this assessment is an addendum to the endorsed CNVIS for Pearson Street Bridge and Cassidy Parade Footbridge, the same mitigation and management measures apply as noted in Section 8 of the endorsed CNVIS.

4.2 Additional mitigation measures

As noted in Figure 2 to Figure 4 below and under Appendix A, the SLR Predict noise results include a section on all applicable additional mitigation measures. These additional mitigation measures will be implemented where appropriate.

Airborne Noise - Additional Mitigation Measures Matrix				
Time Period	Exceedance of NML	Perception	Duration	Communication Category/Management Measure
OOHW Daytime PeriodSunday 7am - 6pm(including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
OOHW Evening PeriodMonday - Sunday 6pm - 10pm(including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
			>2 consecutive rest periods	CO1, CO2, RO
OOHW Night PeriodMonday - Sunday 10pm - 7am(including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
			>2 consecutive sleep periods	CO1, CO2, RO, AO
	>25	Highly intrusive	Any	CO1, CO2, RO
			>2 consecutive sleep periods	CO1, CO2, RO, AO, AltA

FIGURE 2: ADDITIONAL MITIGATION MEASURES MATRIX – NOISE

Vibration - Additional Mitigation Measures Matrix			
Time Period	Duration	Exceedance of 'preferred' value	Exceedance of 'maximum' value
OOHW Daytime Period Sunday 8am-6pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Evening Period Mon-Sun 6pm-10pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Night Period Mon-Sat 10pm-7am Sun 10pm-8am	Any	CO1, CO2, RO	CO1, CO2, RO, AltA

FIGURE 3: ADDITIONAL MITIGATION MEASURES MATRIX – VIBRATION

Additional Mitigation Measures	
Measure	**Abbreviation**
Communication (Category 1)[1]	CO1
Communication (Category 2)[2]	CO2
Respite Offer[3]	RO
Alternative Accommodation	AltA
Agreement with Owners	AO

Note 1: CO1: Communication to provide information on the OOHW via methods such as letter box drop, email, newsletter, media advertisements and/ or website prior to the works commencing.

Note 2: CO2: Communication should be personalised (e.g. door knock, meeting, telephone call). Contact with these residents should commence early to enable feedback to be considered by the proposal.

Note 3: RO are not applicable to non-residential receivers. RO may comprise of pre-purchased movie tickets, dinner vouchers or similar. RO can also be provided by limiting high noise generating works and allowing at least a one-hour respite period between blocks of work. Where possible, the timing of this respite should be discussed with the impacted community.

Receiver Types			
Code	**Description**	**Code**	**Description**
RES	Residential	OED	Other Educational
COM	Commercial	OHO	Other Hotel
IND	Industrial	OLI	Other Library
OOA	Other Outdoor Active Recreation	OME	Other Medical
OOP	Other Outdoor Passive Recreation	OPW	Other Place of Worship
OCC	Other Child Care	OPB	Other Public Building

FIGURE 4: ADDITIONAL MITIGATION MEASURES MATRIX – NOTES

APPENDICES

APPENDIX A

SLR Predict (W.020A) – Noise

Construction Noise and Vibration Impact Statement (CNVIS)

This report presents the outcomes of detailed noise/vibration modelling relating to specific construction activities proposed on site in accordance with the methodology outlined in the *Construction Noise and Vibration Management Plan* (CNVMP) and overarching *Construction Noise and Vibration Impact Statement* (CNVIS).

Prior to detailed noise/vibration modelling being undertaken, work activities are reviewed and considered in relation to industry best practice, consistent with the requirements of the CNVMP. Consideration is first given to eliminating the noise/vibration emissions so far as reasonably practicable. Where elimination is not practicable, efforts are been made to reduce the risk as far as practical by implementing noise and vibration management measures as outlined in the overarching CNVIS and CNVMP.

Examples of these measures include selecting the quietest equipment and processes to complete the works, considering staging and periods of respite to minimise prolonged periods of noise and vibration exposure, and maximising distances between construction activities and sensitive receivers.

Consultation with Affected Receivers

In accordance with CoA E78, the CNVIS must include specific mitigation measures identified through consultation with affected sensitive land user(s) and the mitigation measures must be implemented for the duration of the Work. Details of this consultation are provided in the overarching CNVIS for each enhancement site.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Pearson/Cassidy Addendum 3 - W.020A
Assessment Number	363
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-02-02
End Date	2026-02-02
Assessment Period	Night - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: Work Area 1 (Height: Ground)	Total: 115		
Truck - vacuum (NDD or non-destructive digger) 100% operation	109	1	No
Elevated Work Platform 25% operation	97	1	No
Compactor (plate) 100% operation	104	2	No
Excavator - Tracked (6T) 50% operation	95	1	No
Excavator - Tracked (10T) 50% operation	100	1	No
Truck - tipper small (5T) 25% operation	97	1	No
Loader - skidsteer (0.5T) 50% operation	107	1	No

Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.
Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
Concrete agitator truck 75% operation	109	1	No
Concrete pump truck 100% operation	108	1	No

Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.
Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Assessment Results

	Residential	Non-Residential
Highly Intrusive	0 property	0 property
Moderately Intrusive	22 properties	0 property
Clearly Audible	39 properties	0 property

Assessment Results

	Noticeable	65 properties	0 property
	Above Sleep Disturbance	27 properties	0 property
	Above Sleep Awake	0 property	0 property

Legend

	Project Boundary
	Work Areas
	Barriers

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
8B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	67	24	Moderately Intrusive Above Sleep Dist
1/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	67	24	Moderately Intrusive Above Sleep Dist
8A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	65	22	Moderately Intrusive Above Sleep Dist
2/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	65	22	Moderately Intrusive Above Sleep Dist
6B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	64	21	Moderately Intrusive Above Sleep Dist
3/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	64	21	Moderately Intrusive Above Sleep Dist

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
4/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	64	21	Moderately Intrusive Above Sleep Dist
6A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	63	20	Moderately Intrusive Above Sleep Dist
12 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	63	20	Moderately Intrusive Above Sleep Dist
14 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	63	20	Moderately Intrusive Above Sleep Dist
9 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	63	20	Moderately Intrusive Above Sleep Dist
4A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	62	19	Moderately Intrusive Above Sleep Dist
4B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	62	19	Moderately Intrusive Above Sleep Dist
12 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	62	19	Moderately Intrusive Above Sleep Dist
7 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	62	19	Moderately Intrusive Above Sleep Dist
5 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	62	19	Moderately Intrusive Above Sleep Dist

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
2 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	61	18	Moderately Intrusive Above Sleep Dist
16 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	61	18	Moderately Intrusive Above Sleep Dist
18 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	60	17	Moderately Intrusive Above Sleep Dist
20 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist
9 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist
3 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist
22 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	58	15	Clearly Audible Above Sleep Dist
24 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	57	14	Clearly Audible Above Sleep Dist
10 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	57	14	Clearly Audible Above Sleep Dist
4 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	57	14	Clearly Audible Above Sleep Dist

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
26 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	57	14	Clearly Audible Above Sleep Dist
1 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	55	12	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible
7 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible
20 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible
29 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
7 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible
2/112 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible
33 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible
5 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible
8 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible
20 HELY AV, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible
116 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible
31 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
17 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible
3 COLLEGE AV, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible
3 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible
16 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible
9 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible
6 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible
182 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	49	6	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible
104 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible
108 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible
110 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible
114 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
1 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible
6 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible
27 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible
180 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	48	5	Noticeable
23 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable
19 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable
11 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable
6 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable
4 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable
176 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	47	4	Noticeable
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
18 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
15 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
13 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
25 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
2 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
4 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
15 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
13 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
12 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable
2 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable
4 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable
174 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable
178 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable
184 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable
6 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable
14 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable
7 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable
3 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable
20 Hely Ave, Turvey Park NSW 2650	RES	NCA10	43	46	3	Noticeable
5 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
3 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
1 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
1 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
5 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
168 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
186 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
11 HELY AV, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
8 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
94 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
96 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
106 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
5 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
1 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
10 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
7 WREN ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
11 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
10 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
9 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
7 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
14 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
6 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
3 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
166A FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
170 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
172 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
4 CHARLEVILLE RD, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
14 CHARLEVILLE RD, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
23 CHARLEVILLE RD, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
10 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
9 COLLEGE AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
7 COLLEGE AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
7 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
11 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
5 COLLEGE AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
2 BULOLO ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
21 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable

Recommended Mitigation Measures

This assessment has been conducted with regard to the relevant CNVIS and CNVMP. To manage noise and vibration impacts, project specific mitigation measures may be considered such as reviewing construction staging methodology to identify opportunities to schedule intensive works during less sensitive time periods and by providing a clear process for community engagement and complaints. Likewise, the requirements and actionable items within the overarching CNVIS and CNVMP should be considered and adopted where appropriate. Following the consideration of project specific noise mitigation measures, additional noise mitigation measures to be explored are described in the Inland Rail NSW Construction Noise and Vibration Framework (CNVF) and summarised below.

Airborne Noise - Additional Mitigation Measures Matrix				
Time Period	**Exceedance of NML**	**Perception**	**Duration**	**Communication Category/Management Measure**
OOHW Daytime Period Sunday 7am - 6pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
OOHW Evening Period Monday - Sunday 6pm - 10pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
			>2 consecutive rest periods	CO1, CO2, RO
OOHW Night Period Monday - Sunday 10pm - 7am (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
			>2 consecutive sleep periods	CO1, CO2, RO, AO
	>25	Highly intrusive	Any	CO1, CO2, RO
			>2 consecutive sleep periods	CO1, CO2, RO, AO, AltA

Vibration - Additional Mitigation Measures Matrix			
Time Period	**Duration**	**Exceedance of 'preferred' value**	**Exceedance of 'maximum' value**
OOHW Daytime Period Sunday 8am-6pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Evening Period Mon-Sun 6pm-10pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Night Period Mon-Sat 10pm-7am Sun 10pm-8am	Any	CO1, CO2, RO	CO1, CO2, RO, AltA

Additional Mitigation Measures	
Measure	**Abbreviation**
Communication (Category 1)[1]	CO1
Communication (Category 2)[2]	CO2
Respite Offer[3]	RO
Alternative Accommodation	AltA
Agreement with Owners	AO

Note 1: CO1: Communication to provide information on the OOHW via methods such as letter box drop, email, newsletter, media advertisements and/ or website prior to the works commencing.

Note 2: CO2: Communication should be personalised (e.g. door knock, meeting, telephone call). Contact with these residents should commence early to enable feedback to be considered by the proposal.

Note 3: RO are not applicable to non-residential receivers. RO may comprise of pre-purchased movie tickets, dinner vouchers or similar. RO can also be provided by limiting high noise generating works and allowing at least a one-hour respite period between blocks of work. Where possible, the timing of this respite should be discussed with the impacted community.

Receiver Types			
Code	**Description**	**Code**	**Description**
RES	Residential	OED	Other Educational
COM	Commercial	OHO	Other Hotel
IND	Industrial	OLI	Other Library
OOA	Other Outdoor Active Recreation	OME	Other Medical
OOP	Other Outdoor Passive Recreation	OPW	Other Place of Worship
OCC	Other Child Care	OPB	Other Public Building