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MARTINUS INLAND RAIL

PEARSON STREET BRIDGE AND CASSIDY PARADE FOOTBRIDGE – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM 6

A2I I Albury to Illabo

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Revision History

REVISION	REVISION DATE	AMENDMENT	DATE TO CLIENT
A	28/04/2026	Revised work area for compound operations, revised plant/equipment list. Issued for review	29/04/2026
0	30/04/2026	Revised work area for compound operations, revised plant/equipment list. Issued for use	1/05/2026

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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
EWP	Elevated Work Platform
km	Kilometres
m	Metres
NML	Noise Management Level
OOH	Out-of-hours
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)
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
RBL	Rating Background Level
SLR Predict	A2I noise and vibration management tool
T	Tonnes
W.010A	Work Scenario 010A – Site Establishment
W.011A	Work Scenario 011A – Compound Operation

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 areas and plant/equipment, required to support and enable the wider scope of activities associated with the Pearson Street bridge enhancement site (Pearson Street) 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). The additional work areas are located within.

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).

The work areas assessed in this CNVIS Addendum are presented in Figure 1 below.

A smaller area has been assessed for vibration impacts due to this area being subject to a vibratory roller only as shown in Figure 2.

FIGURE 1: WORK AREA FOR W.010A AND W.011A (CNVIS ADDENDUM)

FIGURE 2: WORK AREA FOR USE OF A VIBRATORY ROLLER

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 scenarios identified in Table 2.

TABLE 2: WORK SCENARIO DESCRIPTION

ID	Scenario	Description	Total Lw
Pearson Street			
W.010	Site establishment	▪ Site Compound delivery and set up ▪ Access road and laydown construction	▪ 121
W.011	Compound operation	▪ Operation of the site compound ▪ Delivery of materials/equipment	▪ 115

2.1 Pearson Street Bridge – Site Establishment (W.010A)

2.1.1 Scope

The additional work area, revised compound location closer to the Pearson Street bridge and updated plant/equipment required for W.010A forms part of the wider scope of works associated at Pearson Street bridge enhancement site and will enable site establishment works. This CNVIS Addendum has assessed the revised work area which consists of the work area identified in the endorsed CNVIS, and has been identified during internal reviews. It also assesses the updated plant/equipment proposed and the revised compound location closer to the Pearson Street bridge. The revised work area will be assessed, along with the additional plant/equipment using SLR Predict, the A2I noise and vibration management tool, with the following noted:

Plant and equipment

- 1 x Compactor (large)
- 2 x Concrete agitator truck
- 1 x Concrete pump truck
- 3 x Concrete vibrator
- 1 x Crane (mobile)
- 1 x Crane franna (20t)
- 2 x Excavator (20t)
- 2 x Generator
- 9 x Hand tools (electric)
- 7 x Light vehicles
- 1 x Loader
- 1 x Roller – vibratory (4-6t)
- 3 x Truck (30t)
- 1 x Truck – flatbed
- 1 x Watercart

Construction hours

- Standard approved hours:
  - 7am to 6pm Monday to Friday, inclusive
  - 7am to 6pm Saturday

2.1.2 Assessment

The revised work area, revised compound location closer to the Pearson Street bridge and additional plant/equipment have 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 approved standard hours, as the most affected period.

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

- W.010 exceedances identified in the endorsed CNVIS
- W.010A exceedances identified in the SLR Predict results for the work area in Figure 1

TABLE 3: EXCEEDANCE COMPARISONS FOR W.010A

ASSESSMENT RESULTS (APPROVED DAYTIME)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.010	SLR Predict – W.010A (additional work scenario)
Total Lw (dBA)	116	121
Clearly Audible (1-10 dB)	7	40
Moderately Intrusive (11-20 dB)	0	12
Highly Intrusive (>20 dB)	0	0

Table 3 shows an increase in the intensity of impacts resulting from the additional work scenario (W.010A) with revised compound location closer to the Pearson Street bridge. There is an increase of 5 dBA in the Total Lw (dBA) due in most part to the pneumatic hand tools, large compactor and 13-18T roller (none of which were included / modelled in CNVIS). This results in an increase of receivers experiencing clearly audible (1-10 dB) and moderately intrusive (11-20 dB) impacts. The number of receivers experiencing Highly Intrusive (>20 dB) impacts has remained the same, with no receivers predicted to experience highly intrusive noise impacts when accounting for the revised work area and updated plant/equipment.

2.2 Pearson Street Bridge – Compound Operation (W.011A)

2.2.1 Scope

The additional work area, revised compound location closer to the Pearson Street bridge and plant/equipment required for W.011A, forms part of the wider scope associated at Pearson Street Bridge enhancement and will enable compound operation works.

This CNVIS addendum has assessed the revised work area which consists of the work area identified in the endorsed CNVIS additional work area identified during internal reviews and the revised compound location closer to the Pearson Street bridge. The revised work area will be assessed, along with the additional plant/equipment and the revised compound location closer to the Pearson Street bridge using SLR Predict, the A2I noise and vibration management tool, with the following noted:

Plant and equipment

- 1 x Crane franna (20t)
- 2 x Excavator (20t)
- 2 x Generator
- 9 x Hand tools (electric)

- 7 x Light vehicles
- 4 x Lighting tower
- 1 x Truck – flatbed
- 1 x Watercart

Construction hours

- Standard approved hours:
  - 7am to 6pm Monday to Friday, inclusive
  - 7am to 6pm Saturday
- Daytime 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)

2.2.2 Assessment

The additional work area 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.

2.2.3 Results

The SLR Predict results are presented in Appendix C, for night out of hours, as the most affected period.

Table 4 provides a summary of the exceedances identified through various assessments. It compares the following:

- W.011 exceedances identified in the endorsed CNVIS
- W.011A exceedances identified in the SLR Predict results for the work area shown in Figure 1

TABLE 4: EXCEEDANCE COMPARISONS FOR W.011A

ASSESSMENT RESULTS (OOH NIGHT)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.011	SLR Predict – W.011A (additional work scenario)
Total Lw (dBA)	115	115
Noticeable (1-5 dB)	144	78
Clearly Audible (6-15 dB)	47	43
Moderately Intrusive (16-25 dB)	19	23
Highly Intrusive (>25 dB)	7	0
Above sleep disturbance	87	106
Above sleep awake	22	27

Table 4 exceedance comparisons for W.011A shows an decrease in the intensity of impacts when compared with the endorsed CNVIS, resulting from the additional work scenario and the revised compound location closer to the Pearson Street bridge. Overall, the Total Lw (dBA) remains the same as the endorsed CNVIS. There is an decrease in receivers

experiencing noticeable (1-5 dB)and clearly audible (6-15 dB) noise, a slight increase in the moderately intrusive category (16-25 dB), and a decrease in highly intrusive (>25 dB) receiver impacts. There is an increase in receivers experiencing sleep disturbance impacts and a smaller increase in receivers predicted to exceed the sleep awakening criterion, with both these increases likely due to the addition of, or increase in number of, equipment which generates high LA_{max} noise potential, such as pneumatic hand tools.

3 VIBRATION ASSESSMENT

3.1 Pearson Street - site establishment – (W.010A)

As noted above in Section 2.1, a vibratory roller (4-6T) will be utilised as part of the site establishment at Pearson Street.

The potential vibration impacts associated with W.010A have been assessed utilising SLR Predict. A comparison of the Transport CNVG-PTI minimum working distances for cosmetic damage and human comfort (TfNSW CNVG-PTI) against the SLR Predict results, has been summarised and presented in Table 5 below:

TABLE 5: VIBRATION CRITERIA EXCEEDANCES FOR W.010A

VIBRATION CRITERIA	VIBRATION CRITERIA	NUMBER OF RECEIVERS WITH VIBRATION CRITERIA EXCEEDANCE[1]
	Vibratory Roller 4-6 tonne (TfNSW's CNVG PTI)	SLR Predict – W.010A
Cosmetic Damage (Residential and Light Commercial)	12m	0 properties
Cosmetic Damage for Unsound Heritage	25m	0 properties
Cosmetic Damage (Industrial and Heavy Commercial)	6m	0 properties
Human Comfort	40m	0 properties

Note 1: Some addresses have both residential and non-residential uses and therefore have been accounted for in each vibration criteria category triggered.

Table 5 shows no properties with potential to exceed the vibration criteria for cosmetic damage and human comfort. The structures identified in this CNVIS Addendum for potential exceedance for cosmetic damage and human comfort were also identified in the endorsed CNVIS.

The SLR Predict results are presented under Appendix B.

3.2 Pearson Street – compound operations – (W.011A)

There will be no vibration-intensive plant and equipment utilised for W.011A; therefore, there are no expected vibration impacts, and a vibration assessment will not be required for W.011A.

4 CONCLUSION

4.1 Mitigation and management measures

As this is an addendum to the endorsed CNVIS for Pearson Street Bridge enhancement works, 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 3 to Figure 5 below and under Appendices A to C, the SLR Predict noise and vibration 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 3: 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 4: 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 5: ADDITIONAL MITIGATION MEASURES MATRIX – NOTES

APPENDICES

APPENDIX A

SLR Predict (W.010A) - Noise

APPENDIX A

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.

Predicted Noise Levels
The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses 'realistic worst-case' scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	W.010a Pearson St AF Site Establishment
Assessment Number	468
Stage	A2I Construction
Permit Number	n/a
Start Date	2026-04-27
End Date	2026-06-30
Assessment Period	Day - standard

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: (Height: Ground)	Total: 121		
Compactor (large) 10% operation	113	1	No
Concrete agitator truck 20% operation	109	2	No
Concrete pump truck 20% operation	108	1	No
Concrete vibrator 20% operation	113	3	No
Crane (mobile) 50% operation	104	1	No
Crane Franna (20 tonne) 50% operation	98	1	No
Excavator - Tracked (20T) 70% operation	105	2	No
Generator - diesel/ petrol 100% operation	103	2	No
Hand tools (electric) 60% operation	102	3	No

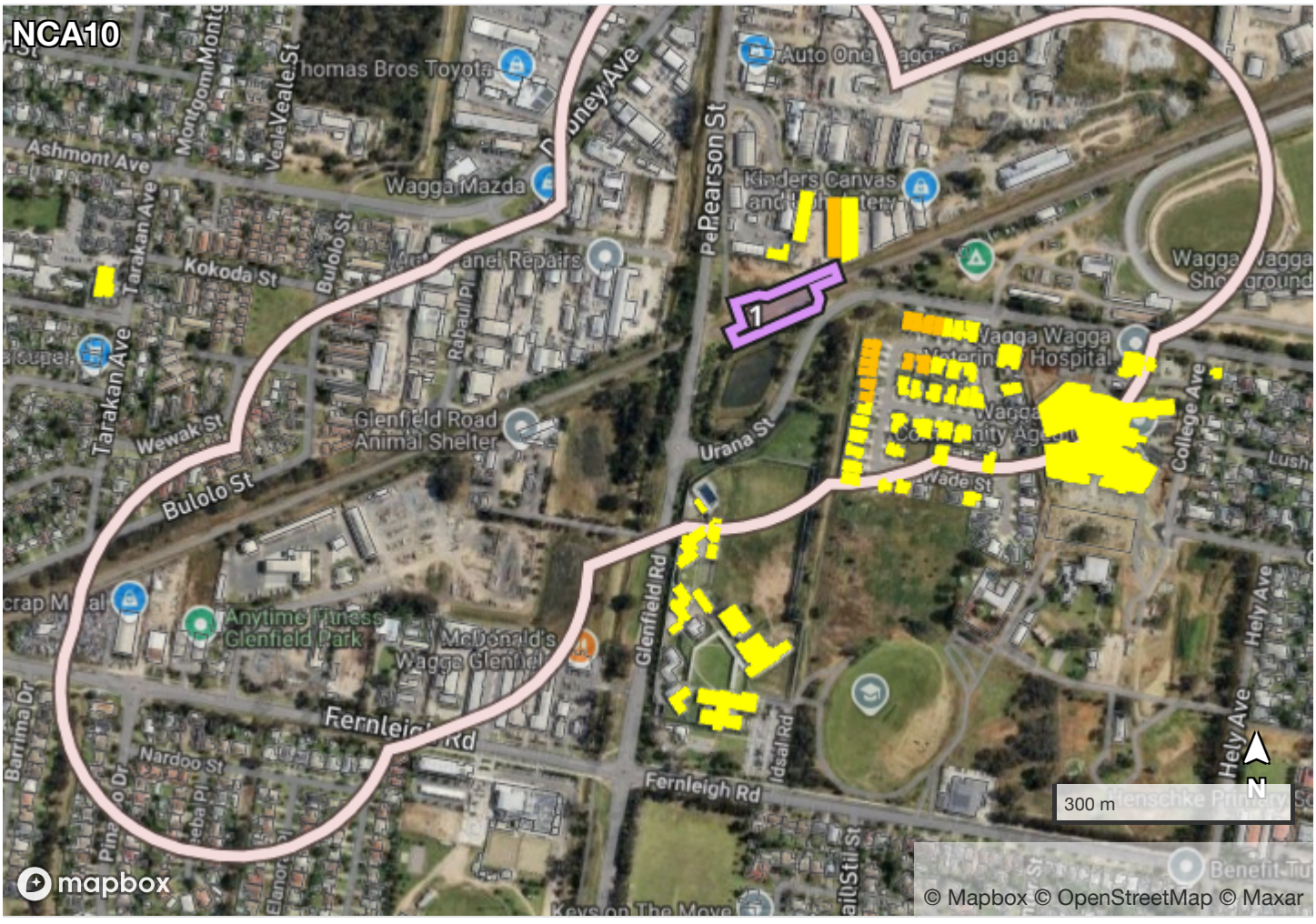
Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.
Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
Hand tools (manual) 60% operation	102	3	No
Hand tools (pneumatic) 60% operation	116	3	No
Light Vehicle (accelerating) 20% operation	95	7	No
Loader (wheeled) 60% operation	105	1	No
Roller - vibratory (13-18t) 50% operation	109	1	No
Truck - road truck/ truck & dog (30T) 80% operation	108	3	No
Truck (flatbed) 20% operation	95	1	No
Water Cart 50% operation	105	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



Assessment Results

	Residential	Non-Residential
Highly Intrusive	0 property	0 property
Moderately Intrusive	12 properties	1 property
Clearly Audible	40 properties	6 properties
Above HNA	0 property	0 property

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Facade/Floor: Show, Minimum floor to show: 0

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
1/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	72	16	Moderately Intrusive
2/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	71	15	Moderately Intrusive
3/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	71	15	Moderately Intrusive
8B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	70	14	Moderately Intrusive
4/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	70	14	Moderately Intrusive
14 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	70	14	Moderately Intrusive
8A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	69	13	Moderately Intrusive
12 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	69	13	Moderately Intrusive
8 CHESHIRE ST, WAGGA WAGGA NSW 2650	IND	NCA10	75	87	12	Moderately Intrusive
6B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	68	12	Moderately Intrusive
9 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	68	12	Moderately Intrusive
7 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	68	12	Moderately Intrusive
6A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	67	11	Moderately Intrusive
4A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	66	10	Clearly Audible
4B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	66	10	Clearly Audible
16 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	66	10	Clearly Audible
5 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	66	10	Clearly Audible
18 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	66	10	Clearly Audible
20 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	65	9	Clearly Audible
22 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	65	9	Clearly Audible
3 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	65	9	Clearly Audible

Facade/Floor: Show, Minimum floor to show: 0

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	56	64	8	Clearly Audible
4/10 CHESHIRE ST, WAGGA WAGGA NSW 2650	IND	NCA10	75	83	8	Clearly Audible
2 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	64	8	Clearly Audible
24 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	64	8	Clearly Audible
12 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	64	8	Clearly Audible
4 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	64	8	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	56	63	7	Clearly Audible
26 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	56	63	7	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	56	62	6	Clearly Audible
1 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	62	6	Clearly Audible
118 URANA ST, TURVEY PARK NSW 2650	OED	NCA10	55	60	5	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	56	60	4	Clearly Audible
9 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	60	4	Clearly Audible
7 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	60	4	Clearly Audible
6 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	60	4	Clearly Audible
10 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	60	4	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	56	60	4	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	56	59	3	Clearly Audible
4 CHESHIRE ST, WAGGA WAGGA NSW 2650	IND	NCA10	75	78	3	Clearly Audible
20 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	59	3	Clearly Audible
7 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	59	3	Clearly Audible
5 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	59	3	Clearly Audible
8 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	59	3	Clearly Audible
20 HELY AV, TURVEY PARK NSW 2650	RES	NCA10	56	59	3	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	56	58	2	Clearly Audible
6 CHESHIRE ST, WAGGA WAGGA NSW 2650	IND	NCA10	75	77	2	Clearly Audible
33 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	58	2	Clearly Audible
3 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	58	2	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	OED	NCA10	55	56	1	Clearly Audible
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible
116 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible
36 TARAKAN AV, ASHMONT NSW 2650	OCC	NCA10	45	46	1	Clearly Audible
31 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible
16 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible

Results by Receiver

Facade/Floor: Show, Minimum floor to show: 0

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
25 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible
6 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible
4 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible
10 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	56	57	1	Clearly Audible

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

APPENDIX B

SLR Predict (W.010A) - Vibration

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.

Predicted Noise Levels
The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses 'realistic worst-case' scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Pearson St vibration
Assessment Number	480
Stage	A2I Construction
Permit Number	
Start Date	2026-04-27
End Date	2026-05-05
Assessment Period	Vibration

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: (Height: Ground)	Total: 109		
Roller - vibratory (4-6t) 100% operation	109	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
Cosmetic Damage	0 property	0 property
Human Comfort	0 property	0 property
Cosmetic Damage for Unsound Heritage	0 property	0 property

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Address	Land Use	Vibration Category
No results		

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
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	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.

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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

APPENDIX C

SLR Predict (W.011A) - Noise

APPENDIX B

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.
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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.

Predicted Noise Levels
The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses 'realistic worst-case' scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	W.11a Compound Operation
Assessment Number	469
Stage	A2I Construction
Permit Number	
Start Date	2026-04-27
End Date	2027-05-31
Assessment Period	Night - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: (Height: Ground)	Total: 115		
Crane Franna (20 tonne) 20% operation	98	1	No
Excavator - Tracked (20T) 20% operation	105	1	No
Generator - diesel/ petrol 100% operation	103	2	No
Hand tools (electric) 20% operation	102	3	No
Hand tools (manual) 20% operation	102	3	No
Hand tools (pneumatic) 20% operation	116	3	No
Light Vehicle (accelerating) 20% operation	95	7	No
Lighting Tower - daymaker 100% operation	98	4	No
Truck (flatbed) 20% operation	95	1	No

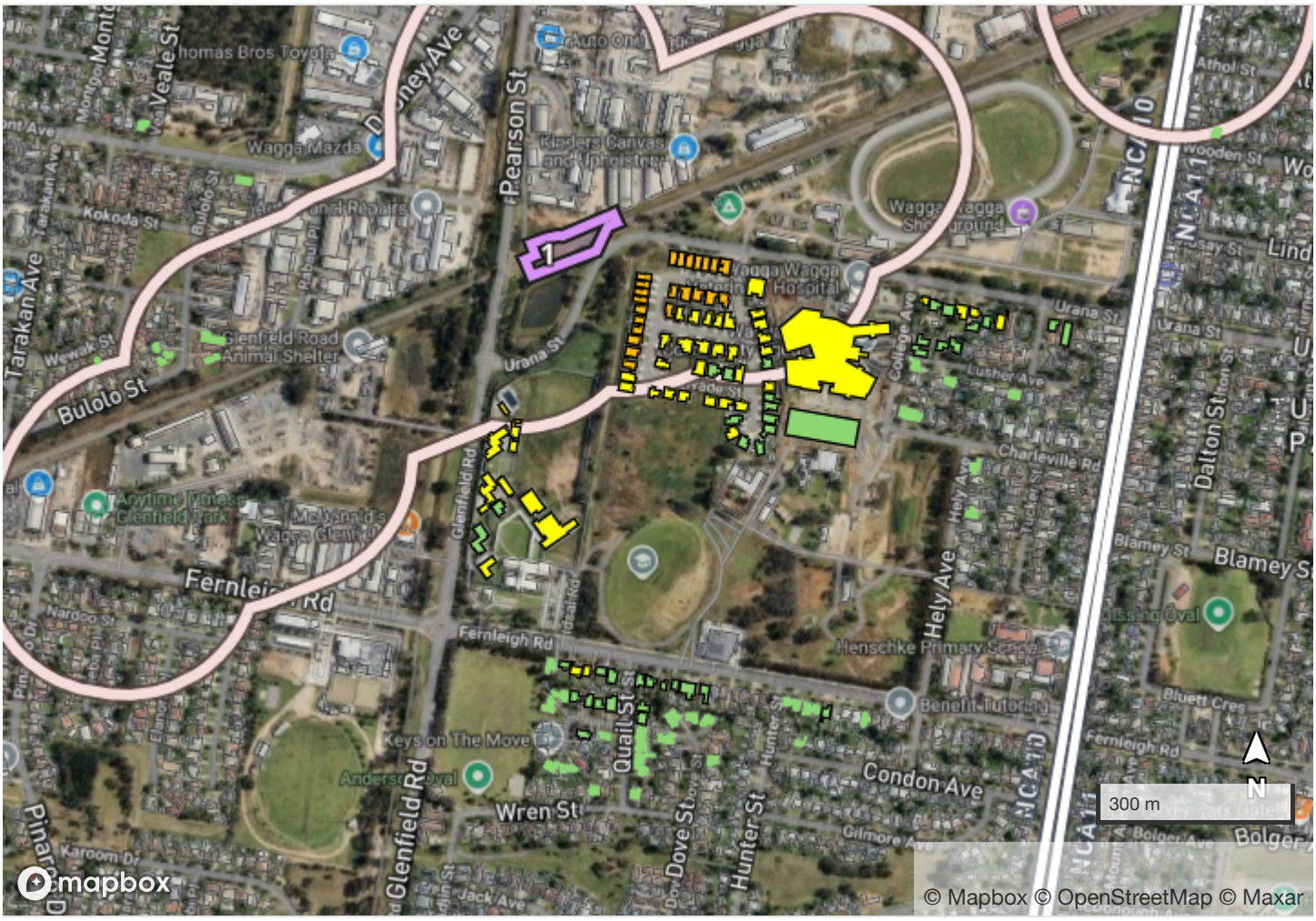
Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.
Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
Water Cart 50% operation	105	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	23 properties	0 property
	Clearly Audible	43 properties	0 property
	Noticeable	78 properties	0 property
	Above Sleep Disturbance	106 properties	0 property
	Above Sleep Awake	27 properties	0 property

Legend

	Project Boundary
	Work Areas
	Barriers

Results by Receiver

Facade/Floor: Show, Minimum floor to show: 0

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
1/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	67	24	Moderately Intrusive Above Sleep Dist Above Sleep Awake
2/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	66	23	Moderately Intrusive Above Sleep Dist Above Sleep Awake
3/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	66	23	Moderately Intrusive Above Sleep Dist Above Sleep Awake
8B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	65	22	Moderately Intrusive Above Sleep Dist Above Sleep Awake
4/10 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	65	22	Moderately Intrusive Above Sleep Dist Above Sleep Awake
12 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	64	21	Moderately Intrusive Above Sleep Dist Above Sleep Awake
14 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	64	21	Moderately Intrusive Above Sleep Dist Above Sleep Awake
8A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	63	20	Moderately Intrusive Above Sleep Dist Above Sleep Awake
9 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	63	20	Moderately Intrusive Above Sleep Dist Above Sleep Awake
6B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	62	19	Moderately Intrusive Above Sleep Dist Above Sleep Awake
7 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	62	19	Moderately Intrusive Above Sleep Dist Above Sleep Awake
4A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	61	18	Moderately Intrusive Above Sleep Dist Above Sleep Awake
6A PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	61	18	Moderately Intrusive Above Sleep Dist Above Sleep Awake
18 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	61	18	Moderately Intrusive Above Sleep Dist Above Sleep Awake
4B PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	60	17	Moderately Intrusive Above Sleep Dist Above Sleep Awake
16 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	60	17	Moderately Intrusive Above Sleep Dist Above Sleep Awake
20 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	60	17	Moderately Intrusive Above Sleep Dist Above Sleep Awake
5 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	60	17	Moderately Intrusive Above Sleep Dist Above Sleep Awake
2 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist Above Sleep Awake
22 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist Above Sleep Awake
12 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist Above Sleep Awake

Facade/Floor: Show, Minimum floor to show: 0

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
3 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist Above Sleep Awake
4 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	59	16	Moderately Intrusive Above Sleep Dist Above Sleep Awake
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	58	15	Clearly Audible Above Sleep Dist Above Sleep Awake
24 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	58	15	Clearly Audible Above Sleep Dist Above Sleep Awake
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	57	14	Clearly Audible Above Sleep Dist Above Sleep Awake
26 PEACOCK DR, TURVEY PARK NSW 2650	RES	NCA10	43	57	14	Clearly Audible Above Sleep Dist Above Sleep Awake
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	56	13	Clearly Audible Above Sleep Dist
1 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	56	13	Clearly Audible Above Sleep Dist
7 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	55	12	Clearly Audible Above Sleep Dist
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible Above Sleep Dist
9 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible Above Sleep Dist
6 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible Above Sleep Dist
10 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible Above Sleep Dist
20 HELY AV, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible Above Sleep Dist
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	54	11	Clearly Audible Above Sleep Dist
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible Above Sleep Dist
20 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible Above Sleep Dist
7 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible Above Sleep Dist
5 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible Above Sleep Dist
8 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	53	10	Clearly Audible Above Sleep Dist
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible Above Sleep Dist
33 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible Above Sleep Dist
3 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible Above Sleep Dist
4 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	52	9	Clearly Audible Above Sleep Dist
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
116 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
31 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
29 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
16 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
1 GALLOP AV, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
25 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
6 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist
10 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	51	8	Clearly Audible Above Sleep Dist

Results by Receiver

Facade/Floor: Show, Minimum floor to show: 0

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
110 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible Above Sleep Dist
6 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible Above Sleep Dist
9 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible Above Sleep Dist
27 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	50	7	Clearly Audible Above Sleep Dist
182 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
180 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
104 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
108 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
23 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
19 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
13 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
11 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	49	6	Clearly Audible Above Sleep Dist
176 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
SHEPHERDS PARK SCHOOL 125-129 FERNLEIGH RD, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
17 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
2/112 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
14 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
3 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
15 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
12 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	48	5	Noticeable Above Sleep Dist
1 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
168 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
178 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
184 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
13 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
3 COLLEGE AV, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
114 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
7 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
2 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
4 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
1 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
20 Hely Ave, Turvey Park NSW 2650	RES	NCA10	43	47	4	Noticeable Above Sleep Dist
1 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
2 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
4 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
166 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist

Results by Receiver

Facade/Floor: Show, Minimum floor to show: 0

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
166A FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
170 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
172 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
174 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
15 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
94 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
96 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
21 WADE ST, TURVEY PARK NSW 2650	RES	NCA10	43	46	3	Noticeable Above Sleep Dist
6 DOVE ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
14 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable Above Sleep Dist
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 Above Sleep Dist
144 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable Above Sleep Dist
6 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable
3 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	45	2	Noticeable Above Sleep Dist
11 HELY AV, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
7 COLLEGE AV, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable
5 COLLEGE AV, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable Above Sleep Dist
106 URANA ST, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable Above Sleep Dist
5 COUCH CT, TURVEY PARK NSW 2650	RES	NCA10	43	45	2	Noticeable Above Sleep Dist
3 WREN ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	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
11 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
10 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
7 DOVE ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
9 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
7 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
39 CONDON AV, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
2 QUAIL ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
1 DOVE ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
136 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
4 DOVE ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
2 DOVE ST, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
146 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
148 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
150 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
152 FERNLEIGH RD, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable

Results by Receiver

Facade/Floor: Show, Minimum floor to show: 0

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
5 FINCH PL, MOUNT AUSTIN NSW 2650	RES	NCA10	43	44	1	Noticeable
186 FERNLEIGH RD, MOUNT AUSTIN 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
8 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
18 LUSHER AV, TURVEY PARK NSW 2650	RES	NCA10	43	44	1	Noticeable
3/13 BULOLO ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
3/10 WEWAK ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
3/26 BULOLO ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
4/11 BULOLO ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
3/11 BULOLO ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
2/24 BULOLO ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
2 BULOLO ST, ASHMONT NSW 2650	RES	NCA10	43	44	1	Noticeable
37A WOODEN ST, TURVEY PARK NSW 2650	RES	NCA11	42	43	1	Noticeable
25 ASHMONT AV, ASHMONT 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

MARTINUS