Memorandum



То:	Eli Ramsland	At:
From:	Joshua Ridgway	At:
Date:	18 February 2022	Ref:
Subject:	Edwin Land Parkway, Jerrabomberra	
	Post-Construction Noise Assessment	
	Addendum to Traffic Speed Variation	

- At: Queanbeyan-Palerang Regional Council
- At: SLR Consulting Australia Pty Ltd
- Ref: 670.11066-M01-v1.0-20220218.docx

Dear Eli,

SLR Consulting Australia Pty Ltd (SLR) has been requested by Queanbeyan-Palerang Regional Council (Council) to update the noise model for the post-construction traffic speed variation for Edwin Land Parkway, Jerrabomberra, with the following changes:

- Extension of the modelled rear fence-line in the vicinity of 56 to 68 Rosewood Glen.
- Splitting the receiver building for 78-88 Rosewood Glen into individual residences.

This memorandum presents the results of the noise model update and forms an addendum to the post-construction traffic speed variation noise assessment report (SLR Report 670.11066-R02-v1.3-20200113, dated 13 January 2020).

Extension of Modelled Rear Fence-line

The rear fence-line of residences on Rosewood Glen was previously modelled adjacent to Edwin Land Parkway, extending to 70 Rosewood Glen at the western end, with an assumed height of 1.8 m.

Council has requested for the modelled rear fence-line to be extended to the full extent of the existing fence adjacent to Jerra Circle. The existing fence in this area is assumed to be 1.8 m in height, consistent with the previously modelled fence-line.

The extent of the previously modelled fence-line and the updated modelled fence-line is shown in Figure 1.

It is noted that the updated fence-line is an existing fence that was not included in the noise model. This is not a proposed new fence.

Figure 1 Update to Modelled Fence-line



Note 1: The updated modelled fence-line is an existing fence that was not included in the noise model. This is not a proposed new fence.Note 2: The numbers in the figure are the street numbers for these residences on Rosewood Glen.

Splitting Receiver Building for 78-88 Rosewood Glen

The multi-residence building located at 78-88 Rosewood Glen was previously modelled as a single building and the predicted noise level reported as 78 Rosewood Glen.

Council has requested for this receiver to be split into the individual residences, ie 78, 80, 82, 84, 86 and 88 Rosewood Glen.

The locations of these individual residences are shown in **Figure 1** with their street numbers labelled.

Predicted Operational Road Traffic Noise Levels

The operational noise model for the post-construction traffic speed variation was updated with the changes detailed above. All other model inputs are consistent with that assessment and have not been modified.

The predicted operational road traffic noise levels for the Year 2022 scenario with the above changes are detailed in **Table 1**.

Table 1	Predicted	Operational	Road [*]	Traffic Noise	Levels
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Receiver			Year 2022 Predicted Road Traffic Noise Level, dBA		RNP Criteria and Exceedance, dBA	
No	Street	Floor	Day LAeq(15hour)	Night LAeq(9hour)	Day 60 dBA	Night 55 dBA
56	Rosewood Glen	1	54	47	-	-
58	Rosewood Glen	1	56	49	-	-
60	Rosewood Glen	1	56	49	-	-
62	Rosewood Glen	1	57	50	-	-
64	Rosewood Glen	1	58	50	-	-
66	Rosewood Glen	1	58	50	-	-
68	Rosewood Glen	1	58	51	-	-
70	Rosewood Glen	1	54	47	-	-
72	Rosewood Glen	1	56	49	-	-
74	Rosewood Glen	1	57	50	-	-
76	Rosewood Glen	1	57	50	-	-
78	Rosewood Glen	1	58	50	-	-
80	Rosewood Glen	1	57	50	-	-
82	Rosewood Glen	1	57	50	-	-
84	Rosewood Glen	1	57	49	-	-
86	Rosewood Glen	1	56	49	-	-
88	Rosewood Glen	1	56	48	-	-
90	Rosewood Glen	1	56	48	-	-

Note 1: Receiver locations not listed in the above table are out of the scope of this memorandum and have not been assessed.

The above changes to the noise model result in compliance with the RNP criteria at the receivers detailed in **Table 1** during both the daytime and night-time periods.

I trust this information is sufficient for your requirements. Please do not hesitate to contact me if you have any queries or require anything further.

Yours Sincerely

J. Ridgman

JOSHUA RIDGWAY Senior Consultant

Checked/ Authorised by: MB

