

## August 2019 Noise Monitoring



Licensee: Laing O'Rourke Australia Construction Pty Ltd

Premises: Woolgoolga to Ballina Pacific Highway Upgrade Project, Harwood NSW 2465

Licence No: 20713

Contractor	Type of Noise Monitoring - Monthly or OOHW	Date of noise monitoring	Time of Noise Monitoring	Location	RBL (for OOHW noise monitoring)	Noise Monitoring Results						Comments
						Laeq	Lafmax	Lzpk	Lafmin	Laf10	Laf90 / * Laf50	
SWC	OOHW	14/08/2019	21:28	73 Cameron Street	38	55.9	68.7		27.7	47.6	34.7	Predicted levels for saw cutting works 56.2dBA. Dominant noise source was the B-doubles travelling on the existing Pacific Highway. See attached noise monitoring sheet
SWC	OOHW	23/08/2019	21:20	73 Cameron Street	38	58	76.6		37.1	47.4	41.2	Dominant noise source was the traffic on the existing high and traffic on the local road adjacent. No saw cutting works were being undertaken at time of attended noise monitoring
SWC	Monthly	30/08/2019	11:15	566 Coldstream Road	42	47.6	63.2		40.7	46.5	42.9	Dominant noise source was the batch plant operations. No exceedance as per the predicted noise levels of 52dBA.
BGC	OOHW	19/08/2019	17:43	Lot 113 DP1183289 - 125m east of closest sensitiver receiver, 60m from works	38	61	78.6	90.6	52.1	63.2	56	Consistent with noise model for Cat A
BGC	OOHW	24/08/2019	6:49	Lot 3031 DP1231714 Bondi Hill Rd - 3240 Pacific Highway, Tyndale	33	43.1	55.9	72.7	33.6	46.4	N/A	Construction noise inaudible, dominant source of noise is existing highway traffic
BGC	OOHW	29/08/2019	18:30	In line with Lot DP837655 - 380m south of work zone inside project boundary	44	56.8	62.7	86.4	49.2	58.9	54	Dominant source of noise: existing highway traffic
BGC	OOHW	30/08/2019	18:00	40m north of Lot 10 DP837655	44	60.1	73.1	89.7	38.3	63.8	46.4	Dominant source of noise: existing highway traffic
Pacific Complete	Periodic	5/08/2019	13:01	34 Fischers Lane, Chatsworth	37	49.5	74		39.4	50.2	46.4 *	Bridge B08 remediation works including piling and jackhammering. Some light works on Bridge B07. Distance between monitor and work site approx. 300m. Traffic passing on existing highway clearly audible especially large trucks. Jackhammering at Bridge B08 intermittent but very loud. Public vehicles passing monitor travelling down Fischers Lane also very loud.
Pacific Complete	Periodic	5/08/2019	13:32	46 Morpeth Street, Harwood	45	57.3	75.2		46.7	60	55 *	Minor earthworks between Harwood Bridge and B52 - excavator moving around on site. Distance between monitor and site approx. 100m. Highway traffic extremely loud, frequent heavy vehicles. Cannot hear noise from construction activities over noise from existing highway. Public vehicles passing monitor on Morpeth St also very loud. Line of sight broken by thin line of trees.
Pacific Complete	Periodic	5/08/2019	13:57	3 Palm Lane, Harwood	45	67.8	84		49.4	71.5	65.4 *	Hydromulching along access road to west of new alignment between B52 and B56. Distance between monitor and construction activities approx. 65m Earthworks - excavator & grader on access road, bogie delivering materials & roller new alignment. Highway traffic extremely loud. Construction activities inaudible over noise from highway traffic. Can feel vibration of large trucks when they pass on existing highway. T&Ds turning left onto existing highway from Waitt's Lane also extremely loud.
Pacific Complete	Periodic	5/08/2019	14:15	29 Palm Lane, Harwood	45	66.3	87.7		39.3	69.5	58.8 *	Works on new alignment between B52 and B56. Distance between monitor and construction activities approx. 35m Hydromulching along access road to west of new alignment between B52 and B56. Digger loading materials into bogie, light vehicles moving around on site. Highway traffic extremely loud. Can feel vibration of large trucks as they pass on the existing highway. Construction noise inaudible over noise from highway.
Pacific Complete	Periodic	5/08/2019	14:47	Two Bridge Coffee Van Carpark Yamba Road, Yamba	45	58.3	74.6		51.2	60.1	57.5 *	SEE Civil Ancillary Facility Distance between monitor and construction activities approx. 100m Minor earthworks Yamba interchange West 1 x truck moving around on site. Noise from existing highway extremely loud. Frequent vehicle movements along adjacent Yamba Road. Construction related noise inaudible over noise from existing highway. Couple having loud argument in carpark.

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Pacific Complete	Periodic	5/08/2019	15:21	124 Farlows Lane, Maclean	43	56.9	84		41.6	52.4	47.5 *	Bridge B01 works & SEE Civil soil sorting Distance between monitor and construction activities approx. 320m. Very quiet location. Highway traffic very loud Soil sorting operations inaudible over noise of highway Public and construction related light vehicles and trucks passing monitor travelling down Farlows Lane very loud cows.
BMD	OOHW	26/08/2019	9:42	1 Jackybulbin Road, Mororo	46	58.5	80.8		32.4	55.2	41.7	Local traffic on Jackybulbin Road dominant noise source 69.0-79.9 dB(A). Pacific Highway traffic 48.0-60.0 dB(A). Construction Gate 102.7 North not in use. Construction noise inaudible from monitoring site.
BMD	Monthly	26/08/2019	10:16	7175 Pacific Highway	46	59.2	75.6		37.6	63.7	45.5	Pacific Highway traffic dominant noise source 64.0-73.9 dB(A). Truck reversing onsite - 53.0 dB(A). Birds 51.2-56 dB(A).
BMD	Monthly	26/08/2019	11:00	6530 Pacific Highway	46	58.1	72		48.7	61.1	52.1	Construction dominant noise source 51.8-65.4 dB(A) with peaks of 68.4 and 71.6 dB(A). Trucks at construction gate 103.7 - 52 dB(A), truck movements on the Pacific Highway 59.7-66.0 dB(A). Reversing alarms 57.0-64.0dB(A).