
23 November 2021

ERRATUM NOTE RE: BAL5_01 NOISE PROOF_ISSUED FOR INQUIRY

PRODUCED BY MICHELLE DAWSON

After I had given my evidence on Thursday the 18th of November I was approached outside the Inquiry, by a Rule 6 Member who asked if weather effected data had been used in the assessment presented in my Proof.

I originally had weather data in Table 5-8 of my Proof from Monday through to Friday afternoon.

We monitored noise levels from Monday to Thursday lunchtime.

I then cross referenced the weather as follows:

- Monday: Correctly used Monday weather data
- Tuesday: Correctly used Tuesday weather data
- Wednesday: Incorrectly used Thursday data. This has now been corrected in this Note.
- Thursday: Incorrectly used Friday data. This has now been corrected in this Note.

I have repeated the “*Change in Noise Level*” and the “*Absolute Noise Level*” Assessments. To present a worst-case assessment, in this update, weather effected data has been used in the “*Absolute Noise Level*” Assessment. It is considered a worst case as weather effected data may have been elevated by wet road surfaces and high wind speeds (above 5m/s).

The conclusions of the updated assessments remain the same. The updated Table 5-8 is presented below. The subsequently amended data in the Proof Tables is highlighted yellow in the following results Tables.

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Weather Conditions

Time	Monday 4 th October	Tuesday 5 th October	Wednesday 6 th October	Thursday 7 th October
00:00 – 07:00	-	Wet	Dry	Dry
07:00 – 08:00	-	Rain 6m/s	Dry 6m/s	Dry 1m/s
08:00 – 09:00	-	Showers 4m/s	Dry 6m/s	Dry 2m/s
09:00 – 10:00	-	Dry 5m/s	Dry 6m/s	Dry 2m/s
10:00 – 11:00	-	Dry 6m/s	Dry 6m/s	Dry 2m/s
11:00 – 12:00	Rain 5m/s	Dry 6m/s	Rain 7m/s	Dry 2m/s
12:00 – 13:00	Rain 6m/s	Dry 6m/s	Rain 7m/s	-
13:00 – 14:00	Rain 6m/s	Dry 6m/s	Dry 6m/s	-
14:00 – 15:00	Rain 6m/s	Rain 7m/s	Dry 6m/s	-
15:00 – 16:00	Rain 7m/s	Dry 7m/s	Dry 6m/s	-
16:00 – 17:00	Rain 6m/s	Showers 7m/s	Dry 5m/s	-
17:00 – 18:00	Rain 4m/s	Showers 7m/s	Dry 4m/s	-

Table Error! No text of specified style in document.-2
Monitoring Position 1 – 30m from A1057

Time	L _{Aeq, 1hour} Monday 4 th October	L _{Aeq, 1hour} Tuesday 5 th October	L _{Aeq, 1hour} Wednesday 6 th October	L _{Aeq, 1hour} Thursday 7 th October
07:00 – 08:00	No Data	57.8	56.8	56.3
08:00 – 09:00	No Data	57.3	56.9	55.9
09:00 – 10:00	No Data	58.0	57.7	56.8
10:00 – 11:00	No Data	57.5	57.0	55.8
11:00 – 12:00	56.7	57.3	56.5	55.8
12:00 – 13:00	56.8	57.1	56.3	No Data
13:00 – 14:00	56.8	57.5	56.5	No Data
14:00 – 15:00	56.8	57.6	56.1	No Data
15:00 – 16:00	57.1	57.7	56.5	No Data
16:00 – 17:00	59.4	57.7	56.7	No Data
17:00 – 18:00	58.5	57.8	57.9	No Data

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Monitoring Position 2 – 7m from A1057

Time	L _{Aeq, 1hour} Monday 4 th October	L _{Aeq, 1hour} Tuesday 5 th October	L _{Aeq, 1hour} Wednesday 6 th October	L _{Aeq, 1hour} Thursday 7 th October
07:00 – 08:00	No Data	69.7	68.4	68.2
08:00 – 09:00	No Data	68.7	68.1	67.7
09:00 – 10:00	No Data	69.8	69.0	68.9
10:00 – 11:00	No Data	68.7	68.3	67.9
11:00 – 12:00	67.9	68.6	68.3	67.6
12:00 – 13:00	68.1	68.6	68.1	No Data
13:00 – 14:00	68.6	69.0	68.5	No Data
14:00 – 15:00	68.1	68.9	68.2	No Data
15:00 – 16:00	68.6	68.8	68.6	No Data
16:00 – 17:00	70.4	68.9	68.8	No Data
17:00 – 18:00	70.3	69.2	69.2	No Data

Table Error! No text of specified style in document.-4
Worst-Case Increase in the Ambient Noise Level, free-field, dB

Location	Time	Measured $L_{Aeq,T}$ Noise Level	Calculated $L_{Aeq,T}$ of Additional HGVs	Cumulative $L_{Aeq,T}$ Noise Level ¹	Increase in the $L_{Aeq,T}$ Noise Level	Impact
At 30m from the A1057	07:00 – 08:00	56.3	51.2	57.5	1.2	Minor
	08:00 – 09:00	55.9	51.2	57.2	1.3	Minor
	09:00 – 10:00	56.8	51.2	57.9	1.1	Minor
	10:00 – 11:00	55.8	51.2	57.1	1.3	Minor
	11:00 – 12:00	55.8	51.2	57.1	1.3	Minor
	12:00 – 13:00	55.8 ²	51.2	57.1	1.3	Minor
	13:00 – 14:00	55.8	51.2	57.1	1.3	Minor
	14:00 – 15:00	55.8	51.2	57.1	1.3	Minor
	15:00 – 16:00	55.8	51.2	57.1	1.3	Minor
	16:00 – 17:00	56.7	51.2	57.8	1.1	Minor
	17:00 – 18:00	57.8	51.2	58.7	0.9	Negligible
At 7m from the A1057	07:00 – 08:00	68.2	57.5	68.6	0.4	Negligible
	08:00 – 09:00	67.7	57.5	68.1	0.4	Negligible
	09:00 – 10:00	68.9	57.5	69.2	0.3	Negligible

¹ This noise level is the baseline ambient noise level (in third column) logarithmically added to the noise level of the HGVs in the fourth column. The noise level of the HGVs is taken from Table 5-12.

² Between 12:00 and 16:00 no none weather effected data is available, so the noise level measured between 11:00 and 12:00 has been used.

Location	Time	Measured $L_{Aeq,T}$ Noise Level	Calculated $L_{Aeq,T}$ of Additional HGVs	Cumulative $L_{Aeq,T}$ Noise Level ¹	Increase in the $L_{Aeq,T}$ Noise Level	Impact
	10:00 – 11:00	67.9	57.5	68.3	0.4	Negligible
	11:00 – 12:00	67.9	57.5	68.3	0.4	Negligible
	12:00 – 13:00	67.9 ³	57.5	68.3	0.4	Negligible
	13:00 – 14:00	67.9	57.5	68.3	0.4	Negligible
	14:00 – 15:00	67.9	57.5	68.3	0.4	Negligible
	15:00 – 16:00	67.9	57.5	68.3	0.4	Negligible
	16:00 – 17:00	68.8	57.5	69.1	0.3	Negligible
	17:00 – 18:00	69.2	57.5	69.5	0.3	Negligible

³ Between 12:00 and 16:00 no none weather effected data is available, so the noise level measured between 11:00 and 12:00 has been used.

Table Error! No text of specified style in document.-5
Absolute Noise Level Assessment

Location	Time	$L_{Aeq,T}$ Noise Level	Calculated $L_{Aeq,T}$ of Additional HGVs	Cumulative $L_{Aeq,T}$ Noise Level ⁴	External $L_{Aeq,T}$ Limit	Met/Not Met	Exceedance Caused by Extra Movements
At 30m from the A1057	07:00 – 08:00	57.8	51.2	58.7	50 - 55	Not Met	No
	08:00 – 09:00	57.3	51.2	58.3	50 - 55	Not Met	No
	09:00 – 10:00	58.0	51.2	58.8	50 - 55	Not Met	No
	10:00 – 11:00	57.5	51.2	58.4	50 - 55	Not Met	No
	11:00 – 12:00	57.3	51.2	58.3	50 - 55	Not Met	No
	12:00 – 13:00	57.1	51.2	58.1	50 - 55	Not Met	No
	13:00 – 14:00	57.5	51.2	58.4	50 - 55	Not Met	No
	14:00 – 15:00	57.6	51.2	58.5	50 - 55	Not Met	No
	15:00 – 16:00	57.7	51.2	58.6	50 - 55	Not Met	No
	16:00 – 17:00	59.4	51.2	60.0	50 - 55	Not Met	No
	17:00 – 18:00	58.5	51.2	59.2	50 - 55	Not Met	No
At 9m from the A1057	07:00 – 08:00	69.7	57.5	70.0	50 - 55	Not Met	No
	08:00 – 09:00	68.7	57.5	69.0	50 - 55	Not Met	No
	09:00 – 10:00	69.8	57.5	70.0	50 - 55	Not Met	No
	10:00 – 11:00	68.7	57.5	69.0	50 - 55	Not Met	No

⁴ This noise level is the baseline ambient noise level (in third column) logarithmically added to the noise level of the HGVs in the fourth column. The noise level of the HGVs is taken from Table 5-12.

Location	Time	L _{Aeq,T} Noise Level	Calculated L _{Aeq,T} of Additional HGVs	Cumulative L _{Aeq,T} Noise Level ⁴	External L _{Aeq,T} Limit	Met/Not Met	Exceedance Caused by Extra Movements
	11:00 – 12:00	68.6	57.5	68.9	50 - 55	Not Met	No
	12:00 – 13:00	68.6	57.5	68.9	50 - 55	Not Met	No
	13:00 – 14:00	69.0	57.5	69.3	50 - 55	Not Met	No
	14:00 – 15:00	68.9	57.5	69.2	50 - 55	Not Met	No
	15:00 – 16:00	68.8	57.5	69.1	50 - 55	Not Met	No
	16:00 – 17:00	70.4	57.5	70.6	50 - 55	Not Met	No
	17:00 – 18:00	70.3	57.5	70.5	50 - 55	Not Met	No