

Midland Metro

E1.2 Existing Conditions

E1.2.1 Baseline Noise Surveys

Full details of the noise levels recorded are given in *Tables E1.2 and E1.2*. The location of noise monitoring points are illustrated in *Figure 6.1*.

Table 1.1 Full Noise Survey Results (Free-field dB)

Monitoring Position	Time	L _{Amax}	L _{Aeq}	L _{A10}	L _{A90}	Comments/Sources of Noise
<i>30th May 2002</i>						
7	1425	68.1	55.4	56.6	52.5	Distant road traffic and trains
7	1435	64.6	55.8	57.3	53.3	-
9	1500	63.9	51.6	54.5	47.8	Distant intruder alarm
9	1510	64.0	52.0	54.5	47.3	-
9	1520	73.3	55.3	57.5	48.2	Thunder
10	1550	65.7	47.0	48.9	42.8	Distant train
10	1600	68.6	50.4	52.5	43.1	Car leaving house
10	1610	54.7	45.5	46.9	43.2	-
15	1710	83.4	63.3	59.6	52.3	Numerous trains
15	1720	84.1	64.5	58.1	51.4	-
10	1742	63.6	50.1	52.9	45.4	-
10	1752	67.4	47.8	49.6	44.3	-
15	1835	76.0	58.6	56.8	49.7	-
<i>6th June 2002</i>						
18	1320	65.9	49.7	52.1	40.4	Distant trains, horn sounding
18	1346	63.5	48.3	50.2	41.2	Distant trains and bird song
18	1400	65.6	46.8	49.6	39.3	Car parked with engine idling
18	1410	796.6	52.9	52.6	39.2	Distant trains, horn sounding

27	1510	68.7	42.3	43.3	38.6	-
27	1722	68.5	49.5	52.5	43.1	Car pulled up
27	1732	63.3	49.0	52.5	41.7	Gentle breeze
21	1800	64.8	52.8	56.3	46.0	Distant trains
21	1810	72.3	50.3	52.5	44.4	Dog barking
18	1827	71.0	52.8	51.6	40.1	Distant trains, variable breeze
18	1837	65.4	50.2	53.1	40.61	-
9	1900	71.1	52.7	54.9	47.7	Van passes by
9	1915	61.9	50.0	51.6	47.6	Noise from trucks in yard opposite
9	1925	65.5	50.7	52.7	48.1	Distant reversing alarm
9	1930	59.9	49.8	52.1	47.5	Car door slam
<i>12th June 2002</i>						
7	2125	65.0	54.7	56.6	51.8	Police siren, slight breeze
7	2138	70.8	56.5	57.7	52.0	Distant train, wind speed increases
10	2155	59.4	48.1	49.9	46.0	Distant train
15	2212	82.5	59.7	54.3	46.6	Industrial (fan) noise, trains and car
18	2230	52.6	44.9	47.7	41.5	-
18	2240	61.9	46.3	49.1	41.2	Distant train and aircraft noise
27	2302	60.4	43.5	45.1	39.1	Dog barking and distant helicopter
27	2315	56.3	42.4	43.8	39.2	-
9	2338	66.2	50.1	51.5	39.0	Car drives off
9	2348	58.6	45.3	47.6	38.9	-
<i>13th June 2002</i>						
7	0005	62.7	52.1	54.6	49.0	Industrial (process) noise
7	0015	61.4	50.2	51.8	48.0	Industrial (process) noise

10	0034	61.1	42.8	44.9	39.1	-
9	0525	65.8	50.7	53.4	43.2	Distant train
7	0539	59.2	53.4	55.1	51.4	-
10	0555	68.9	52.9	51.6	44.5	Distant train
15	0610	82.9	62.9	56.1	48.5	Train noise and car drives off
18	0625	59.3	47.3	49.3	44.3	-
21	0640	71.0	52.2	55.0	45.1	-
27	0700	52.9	45.8	47.4	43.8	-
9	0722	68.4	55.8	56.7	52.9	-
7	0739	64.8	51.2	54.5	45.5	Car leaving, train noise and horn
<i>7th August 2002</i>						
36	1201	89.4	69.1	72.4	52.6	Local traffic, including trucks
36	1211	85.0	67.2	71.1	52.5	Fewer trucks
33	1235	83.7	66.7	67.9	53.3	Buses and traffic on Castle Hill
33	1246	87.3	68.0	69.8	56.6	As above, plus car horns
29	1305	67.9	53.0	55.0	49.0	Noise from distant metal works
29	1315	72.2	55.3	57.6	49.6	As above, plus tanyo from zoo
47	1445	80.7	51.5	51.8	45.8	-
47	1455	77.1	51.0	52.8	54.1	Distant thunder and lawn mower
45	1535	69.8	50.5	52.6	47.5	-
45	1545	66.0	50.7	52.5	46.0	Distant reversing alarm
40	1645	80.6	56.9	53.0	44.4	Noisy van
40	1655	77.4	55.1	51.5	45.0	Car
<i>12th February 2003</i>						
4	2200	53.8	49.3	51.2	46.2	Traffic on A41

5	2210	53.9	46.7	48.8	44.2	Traffic on A41
6	2220	58.5	50.3	52.4	45.8	Traffic on A41 and New Road
9	2230	56.5	46.3	48.2	43.8	Traffic on New Road
10	2245	49.2	42.7	44.8	39.6	Traffic on A461
13	2300	77.5	59.3	62.2	42.4	Local traffic movements
14	2315	51.2	42.4	43.4	40.6	Noise from railway audible
18	2330	55.7	42.1	43.6	37.0	Distant traffic audible
19	2345	59.1	43.0	44.2	35.6	Distant traffic
21	2355	55.9	41.7	45.8	34.0	Distant traffic
22	0005	69.4	53.7	56.4	37.0	Frequent traffic on Park Lane West
23	0015	58.5	47.8	52.4	38.2	Traffic on Park Lane West
17	0030	66.9	49.8	45.0	36.8	Local road traffic
24	0040	66.0	47.7	52.4	38.0	Traffic on Park Lane West
27	0050	59.9	40.7	44.6	32.8	Distant traffic
<i>13th February 2003</i>						
41	2300	53.3	44.0	47.4	39.0	Traffic on Pedmore Road
42	2315	67.4	50.5	53.6	37.4	Traffic on Pedmore Road
43	2325	61.1	50.1	54.2	41.4	Traffic on Pedmore Road
44	2335	69.0	50.1	54.2	41.4	Traffic on Pedmore Road
28	2355	67.6	56.4	61.0	43.4	Traffic on A4123
26	0010	54.1	41.9	43.6	39.0	Distant traffic

