

14. Noise and Vibration

VECTOS TRAFFIC DATA

BASELINE 2021

OPENING YEAR WITHOUT SITE

OPENING YEAR WITH SITE

ID	Location	Speed (mph)				
		Cars	HGV	Total	HGV %	
1	Chain House Lane (west of Penwortham Way)	25	8870	671.37	9541.4	0.0704
2	Leyland Road (north of Coote Lane)	16	15681	752.41	16433	0.0458
3	Coote Lane	13	2941	176.45	3117.5	0.0566
4	Leyland Road (south of Coote Lane)	13	16035	773.31	16808	0.046
5	Watkin Lane	29	14197	971.01	15168	0.064
6	Watkin Lane (north of the A582)	20	14725	1029.9	15755	0.0654
7	Lostock Lane EB (east of Stanifold Lane)	30	22766	1311.1	24077	0.0545
8	Lostock Lane WB (east of Stanifold Lane)	48	20873	1718.1	22591	0.0761
9	Farrington Road (west of Stanifold Lane)	32	28060	2064.7	30125	0.0685
10	Penwortham Way (south of Chain House Lane)	15	25439	1981.8	27421	0.0723
11	Penwortham Way (north of Chain House Lane)	20	19820	1399.3	21219	0.0659
12	Chain House Lane (east of Penwortham Way)	17	4019.8	149.15	4168.9	0.0358
13	Coote Lane (between Church Lane and School Lane)	14	3501.7	125.72	3627.4	0.0347
14	Coote Lane (between School Lane and Greenfield Dri	28	3749.7	358.81	4108.6	0.0873
15	Penwortham Way (near proposed access)	47	19807	1396.6	21204	0.0659
16	A582 Croston Road WB	18	14482	1097.5	15580	0.0704
17	Stanifold Lane (south of A582)	45	12833	810.99	13644	0.0594
18	Farrington Road (east of Croston Road)	36	28065	2064.8	30129	0.0685
19	A582 Croston Road EB	14	15113	1006	16119	0.0624
20	Croston Road	26	8692.5	297.34	8989.8	0.0331
21	Flensburg Way (west of Croston Road)	27	24196	2348.2	26544	0.0885
22	Flensburg Way (east of Penwortham Way)	10	24256	2351.3	26608	0.0884
23	Flensburg Way (south of Penwortham Way)	32	15384	1071.6	16456	0.0651

	25				
24 Penwortham Way (north of Flensberg Way)	50	25430	1982.2	27412	0.0723
	79				
25 Moss Lane (south of Penwortham Way)	18	1164.6	78.985	1243.6	0.0635
	11				
26 Leyland Road (north of New Lane)	25	16490	854.83	17345	0.0493
	18				
27 Leyland Road (north of Marshall's Brow)	14	17744	721.49	18465	0.0391
	21				
28 Marshall's Brow	10	4025.1	241.3	4266.4	0.0566
	19				
29 Leyland Road (south of Marshall's Brow)	18	16186	729.22	16915	0.0431
	20				
30 New Lane	24	6032.6	281.04	6313.6	0.0445
	14				
31 Leyland Road (south of New Lane)	20	19866	910.14	20776	0.0438
	22				
32 Leyland Road (north of the Cawsey)	13	18780	894.44	19674	0.0455
	10				
33 The Cawsey	22	7552.1	418.6	7970.7	0.0525
	29				
34 Leyland Road (south of the Cawsey)	17	15745	721.49	16467	0.0438
	27				
35 Penwortham Way SB (south of Pope Lane)	22	9793.3	691.66	10485	0.066
36 Penwortham Way NB (south of Pope Lane)	8	9989.8	703.98	10694	0.0658
37 Pope Lane (west of Penwortham Way)	11	6056.4	255.19	6311.6	0.0404
	12				
38 Pope Lane (east of Penwortham Way)	28	5748.6	424.88	6173.5	0.0688
	30				
39 Golden Way NB (north of Penwortham Way)	29	10018	613.04	10631	0.0577
40 Golden Way SB (north of Penwortham Way)	6	9157.7	683.93	9841.6	0.0695
41 Leyland Road (south of Riverside Road)	29	16897	600.36	17497	0.0343
	28				
42 Crookings Lane	20	2951.7	46.135	2997.8	0.0154
	24				
43 Liverpool Road (west of Cop Lane)	23	10984	290.22	11274	0.0257
	7				
44 Cop Lane (south of Liverpool Road)	16	4237.8	158.45	4396.2	0.036
	7				
45 Priory Lane (north of Liverpool Road)	13	622.94	16.063	639.01	0.0251
	6				
46 Liverpool Road (east of Cop Lane)	9	11146	285.02	11431	0.0249
	24				

	47	Liverpool Road (west of Golden Way Flyover)	31	11761	384.06	12145	0.0316
			12				
	48	Golden Way A59 NB (Flyover Liverpool Road)	43	19867	891.42	20759	0.0429
48a		Golden Way A59 SB (Flyover Liverpool Road)	42	15576	642.15	16218	0.0396
	49	Leyland Road A59 (south of Liverpool Road)	27	14927	374.51	15302	0.0245
			28				
	50	Liverpool Road (east of Golden Way Flyover)	31	15867	340.94	16208	0.021
			20				
	51	Golden Way A59 NB (north of roundabout)	35	19892	892.51	20784	0.0429
	52	Golden Way A59 SB (north of roundabout)	18	14012	595.77	14607	0.0408
	53	Golden Way A59 NB (south of roundabout)	14	16139	927.89	17067	0.0544
	54	Golden Way A59 SB (south of roundabout)	29	14193	716.06	14909	0.048
	55	A59 EB (east of roundabout)	32	4943.2	253.86	5197.1	0.0488
	56	A59 WB (east of roundabout)	18	8909.4	339.85	9249.2	0.0367
	57	Leyland Road (south-east of A59 roundabout)	24	16911	596.86	17508	0.0341
			31				
	58	Liverpool Road WB (west of John Horrocks Way)	42	11326	410.14	11736	0.0349
58a		Liverpool Road EB (west of John Horrocks Way)	40	10947	614.01	11561	0.0531
	59	John Horrocks Way NB (south of Liverpool Road)	51	8170.9	393.23	8564.1	0.0459
59a		John Horrocks Way SB (south of Liverpool Road)	49	8664.2	603.86	9268.1	0.0652
	60	Liverpool Road (east of John Horrocks Way)	29	9117.6	385.26	9502.8	0.0405
			24				
	61	Golden Way NB (south of John Horrocks Way)	11	10009	612.32	10621	0.0577
	62	Golden Way SB (south of John Horrocks Way)	30	9183.5	685.38	9868.9	0.0694
	63	John Horrocks Way EB (west of Golden Way)	36	8196.9	394.93	8591.9	0.046
	64	John Horrocks Way WB (west of Golden Way)	6	8652.2	603.5	9255.7	0.0652
	65	Millbrook Way (east of John Horrocks Way)	27	2945.2	394.32	3339.5	0.1181
			21				
	66	Bank Top (west of John Horrocks Way)	#N/A	#N/A	#N/A	#N/A	#N/A
			#N/A				
	67	Golden Way EB (east of John Horrocks Way)	20	13572	863.28	14436	0.0598

68 Golden Way WB (east of John Horrocks Way)	14	12046	659.78	12706	0.0519
69 Golden Way EB (east of Cop Lane Flyover)	53	16147	928.74	17076	0.0544
70 Golden Way WB (east of Cop Lane Flyover)	54	14163	714.25	14878	0.048
71 Cop Lane (west of Pope Lane)	21	7842.1	149.27	7991.4	0.0187
	24				
72 Pope Lane	10	6254.7	384.18	6638.9	0.0579
	16				
73 Pope Lane (near Bishopsway)	29	8055.2	422.46	8477.6	0.0498
	29				
74 Pope Lane (near New Lane)	21	7516.5	432.85	7949.4	0.0545
	23				
75 New Lane (east of Pope Lane)	18	6694.8	353.86	7048.6	0.0502
	16				
76 Marshall's Brow (north of Pope Lane)	24	2423.7	266.18	2689.8	0.099
	26				
77 Wham Lane	25	12759	917.63	13676	0.0671
	27				
78 Croston Road (Leyland Business Park)	32	4834.3	618.48	5452.7	0.1134
	29				
79 Carrwood Road (between The Oaks and Millwood Ro	27	9174.1	428.5	9602.6	0.0446
	29				
80 The Cawsey (east of First Drive)	32	6785.6	456.28	7241.9	0.063
	32				
81 Browndge Road	13	6678.2	322.7	7000.9	0.0461
	5				

ID	Location	Speed (mph)				
		Cars	HGV	Total	HGV %	
1	Chain Hous	26	10332.07	660.5038	10992.58	0.060086
		8				
2	Leyland Rc	15	16315.86	691.4215	17007.28	0.040654
		7				
3	Coote Lane	14	4438.503	154.5886	4593.092	0.033657
		7				
4	Leyland Ro	10	17250.76	706.8804	17957.64	0.039364
		12				
5	Watkin Lan	27	15607.89	843.8362	16451.73	0.051292
		21				
6	Watkin Lan	20	16222.02	900.9615	17122.98	0.052617
		16				
7	Lostock Lar	30	25256.39	1264.003	26520.39	0.047662
8	Lostock Lar	34	24414.12	1706.754	26120.88	0.065341
9	Farrington	28	33474.1	2045.883	35519.98	0.057598
		31				
10	Penwortha	11	31702.61	1992.985	33695.6	0.059147
		18				
11	Penwortha	16	25997.21	1412.07	27409.28	0.051518
		7				
12	Chain Hous	14	7202.257	151.9316	7354.189	0.020659
		19				
13	Coote Lane	15	5258.427	127.5356	5385.962	0.023679
		31				
14	Coote Lane	28	5440.793	354.4667	5795.259	0.061165
		26				
15	Penwortha	#N/A	#N/A	#N/A	#N/A	#N/A
		#N/A				
16	A582 Crost	18	#N/A	#N/A	#N/A	#N/A
17	Stanifold La	44	13784.59	811.7107	14596.3	0.055611
		37				
18	Farrington	19	33382.92	2034.893	35417.81	0.057454
		29				
19	A582 Crost	12	#N/A	#N/A	#N/A	#N/A
20	Croston Ro	26	9053.697	298.3076	9352.004	0.031898
		37				
21	Flensburg \	27	29808.9	2352.886	32161.79	0.073158
		17				
22	Flensburg \	11	29924.12	2355.422	32279.54	0.07297
		13				
23	Flensburg \	32	22387.32	1071.009	23458.33	0.045656

	24				
24 Penwortha	49	31718.67	1996.366	33715.04	0.059213
	51				
25 Moss Lane	17	3621.72	78.13969	3699.86	0.02112
	9				
26 Leyland Ro	25	16622.74	833.4497	17456.19	0.047745
	17				
27 Leyland Ro	14	17760.17	710.9866	18471.16	0.038492
	21				
28 Marshall's l	10	4188.505	309.781	4498.286	0.068866
	19				
29 Leyland Ro	17	16360.42	723.6677	17084.09	0.042359
	20				
30 New Lane	24	6535.111	295.4091	6830.52	0.043248
	13				
31 Leyland Ro	20	20796.27	881.2756	21677.54	0.040654
	22				
32 Leyland Ro	13	19704.73	863.7636	20568.49	0.041995
	10				
33 The Cawse'	21	9794.152	411.109	10205.26	0.040284
	29				
34 Leyland Ro	15	16346.53	668.7163	17015.25	0.039301
	29				
35 Penwortha	20	12312.5	704.948	13017.44	0.054154
36 Penwortha	6	13008.99	697.7017	13706.69	0.050902
37 Pope Lane	11	6213.373	252.4141	6465.787	0.039038
	11				
38 Pope Lane	24	6964.819	482.2438	7447.062	0.064756
	31				
39 Golden Wa	24	12389.55	596.8568	12986.41	0.04596
40 Golden Wa	5	11140.16	671.1317	11811.29	0.056821
41 Leyland Ro	29	16794.96	509.7799	17304.74	0.029459
	27				
42 Crookings l	21	3148.051	47.22197	3195.273	0.014779
	24				
43 Liverpool R	24	11047.16	294.5637	11341.73	0.025972
	6				
44 Cop Lane (s	17	4500.46	147.463	4647.923	0.031727
	8				
45 Priory Lane	14	666.7839	18.23662	685.0206	0.026622
	6				
46 Liverpool R	10	11002.84	276.4478	11279.29	0.024509
	24				

	47	Liverpool R	31	11586.65	377.7758	11964.43	0.031575
			16				
	48	Golden Wa	43	21865.22	880.9133	22746.14	0.038728
48a		Golden Wa	42	16717.67	639.6102	17357.28	0.03685
	49	Leyland Ro	26	15637.24	366.6647	16003.9	0.022911
			28				
	50	Liverpool R	30	16737.71	344.5634	17082.28	0.020171
			21				
	51	Golden Wa	35	#N/A	#N/A	#N/A	#N/A
	52	Golden Wa	18	#N/A	#N/A	#N/A	#N/A
	53	Golden Wa	13	18396.88	888.7635	19285.65	0.046084
	54	Golden Wa	30	15858.61	684.6582	16543.27	0.041386
	55	A59 EB (ea:	32	#N/A	#N/A	#N/A	#N/A
	56	A59 WB (e:	18	#N/A	#N/A	#N/A	#N/A
	57	Leyland Ro	23	16801.6	503.8621	17305.46	0.029116
			31				
	58	Liverpool R	42	#N/A	#N/A	#N/A	#N/A
58a		Liverpool R	41	#N/A	#N/A	#N/A	#N/A
	59	John Horro	50	8544.641	393.4762	8938.117	0.044022
59a		John Horro	49	9033.89	605.4316	9639.321	0.062809
	60	Liverpool R	29	9604.297	394.6839	9998.981	0.039472
			25				
	61	Golden Wa	10	#N/A	#N/A	#N/A	#N/A
	62	Golden Wa	30	#N/A	#N/A	#N/A	#N/A
	63	John Horro	37	#N/A	#N/A	#N/A	#N/A
	64	John Horro	8	#N/A	#N/A	#N/A	#N/A
	65	Millbrook \	27	3251.795	388.8869	3640.681	0.106817
			21				
	66	Bank Top (	#N/A	#N/A	#N/A	#N/A	#N/A
			#N/A				
	67	Golden Wa	20	15439.53	826.6865	16266.22	0.050822

68 Golden Wa	17	13624.2	629.5861	14253.79	0.04417
69 Golden Wa	53	#N/A	#N/A	#N/A	#N/A
70 Golden Wa	54	#N/A	#N/A	#N/A	#N/A
71 Cop Lane (v	20	9041.257	179.3469	9220.604	0.019451
	24				
72 Pope Lane	9	7457.449	439.0074	7896.456	0.055595
	16				
73 Pope Lane	30	9410.337	492.6303	9902.967	0.049746
	29				
74 Pope Lane	21	8783.046	496.1327	9279.178	0.053467
	24				
75 New Lane (	18	7530.878	361.5923	7892.471	0.045815
	15				
76 Marshall's l	26	2851.434	317.752	3169.186	0.100263
	28				
77 Wham Lane	26	13953.55	905.6716	14859.22	0.06095
	25				
78 Croston Ro	32	4882.583	591.7843	5474.367	0.108101
	18				
79 Carrwood F	27	12850.42	433.6934	13284.11	0.032648
	30				
80 The Cawse	32	10345.96	473.669	10819.63	0.043779
	32				
81 Browndege	13	7342.957	267.873	7610.83	0.035196
	5				

ID	Location	Speed (mph)				
		Cars	HGV	Total	HGV %	
1	Chain Hous	26	10178.57	667.8709	10846.44	0.061575
		9				
2	Leyland Rc	16	16330.11	690.3345	17020.44	0.040559
		7				
3	Coote Lane	13	3785.125	148.3084	3933.433	0.037705
		7				
4	Leyland Ro	12	16883.37	695.407	17578.77	0.039559
		11				
5	Watkin Lan	29	15310.91	836.9521	16147.86	0.051831
		24				
6	Watkin Lan	20	15914.05	899.0291	16813.08	0.053472
		18				
7	Lostock Lar	30	24795.04	1264.969	26060.01	0.048541
8	Lostock Lar	36	23903.5	1715.933	25619.43	0.066978
9	Farrington	29	32530.63	2072.574	34603.2	0.059895
		34				
10	Penwortha	10	30784.62	2025.956	32810.58	0.061747
		20				
11	Penwortha	16	23892.75	1442.746	25335.5	0.056946
		6				
12	Chain Hous	15	5749.124	149.8784	5899.003	0.025407
		21				
13	Coote Lane	14	4589.348	125.724	4715.072	0.026664
		32				
14	Coote Lane	28	4825.458	354.346	5179.804	0.068409
		25				
15	Penwortha	#N/A	#N/A	#N/A	#N/A	#N/A
		#N/A				
16	A582 Crost	18	#N/A	#N/A	#N/A	#N/A
17	Stanifold La	44	13788.58	816.0585	14604.63	0.055877
		37				
18	Farrington	19	32440.05	2060.859	34500.91	0.059733
		29				
19	A582 Crost	13	#N/A	#N/A	#N/A	#N/A
20	Croston Ro	26	9111.546	296.9791	9408.526	0.031565
		37				
21	Flensburg \	27	29155.28	2383.079	31538.36	0.075561
		17				
22	Flensburg \	11	29248.64	2389.359	31638	0.075522
		14				
23	Flensburg \	32	22323.19	1069.318	23392.51	0.045712

	24				
24 Penwortha	50	30784.38	2025.956	32810.34	0.061747
	57				
25 Moss Lane	17	3642.131	79.10587	3721.237	0.021258
	9				
26 Leyland Ro	25	16491.34	831.5174	17322.86	0.048001
	18				
27 Leyland Ro	14	17733.72	708.2088	18441.93	0.038402
	21				
28 Marshall's l	11	4105.413	312.5587	4417.972	0.070747
	19				
29 Leyland Ro	17	16209.58	707.605	16917.18	0.041828
	20				
30 New Lane	24	6348.276	280.9164	6629.192	0.042376
	13				
31 Leyland Ro	21	20413.3	878.377	21291.68	0.041254
	22				
32 Leyland Ro	13	19293.74	867.3868	20161.13	0.043023
	10				
33 The Cawse'	22	9363.357	413.7659	9777.123	0.04232
	29				
34 Leyland Ro	16	16336.87	668.4748	17005.35	0.03931
	29				
35 Penwortha	21	11413.59	707.1219	12120.71	0.05834
36 Penwortha	6	12414.07	735.0203	13149.09	0.055899
37 Pope Lane	11	6215.426	255.9165	6471.343	0.039546
	12				
38 Pope Lane	24	6503.71	492.751	6996.461	0.070429
	31				
39 Golden Wa	26	11892.45	616.7842	12509.23	0.049306
40 Golden Wa	5	10332.68	673.0641	11005.74	0.061156
41 Leyland Ro	29	16735.78	499.7558	17235.54	0.028996
	27				
42 Crookings l	20	3020.395	46.61811	3067.013	0.0152
	24				
43 Liverpool R	24	10999.82	299.9984	11299.82	0.026549
	6				
44 Cop Lane (s	16	4384.76	155.0717	4539.831	0.034158
	8				
45 Priory Lane	15	628.2576	16.78735	645.0449	0.026025
	6				
46 Liverpool R	10	10991.73	281.2787	11273.01	0.024952
	24				

	47	Liverpool R	31	11554.53	379.8289	11934.36	0.031827
			16				
	48	Golden Wa	43	21483.22	890.092	22373.31	0.039784
48a		Golden Wa	42	16334.33	637.9194	16972.25	0.037586
	49	Leyland Ro	26	15200.04	364.0078	15564.05	0.023388
			28				
	50	Liverpool R	30	16380.83	338.0417	16718.87	0.020219
			21				
	51	Golden Wa	35	#N/A	#N/A	#N/A	#N/A
	52	Golden Wa	18	#N/A	#N/A	#N/A	#N/A
	53	Golden Wa	13	17895.56	902.5315	18798.09	0.048012
	54	Golden Wa	30	15180.11	690.2138	15870.33	0.043491
	55	A59 EB (ea:	32	#N/A	#N/A	#N/A	#N/A
	56	A59 WB (e:	18	#N/A	#N/A	#N/A	#N/A
	57	Leyland Ro	24	16756.68	494.6834	17251.36	0.028675
			31				
	58	Liverpool R	42	#N/A	#N/A	#N/A	#N/A
58a		Liverpool R	41	#N/A	#N/A	#N/A	#N/A
	59	John Horro	50	8393.555	396.8578	8790.413	0.045147
59a		John Horro	49	8885.944	612.3156	9498.259	0.064466
	60	Liverpool R	29	9431.231	399.2733	9830.504	0.040616
			24				
	61	Golden Wa	11	#N/A	#N/A	#N/A	#N/A
	62	Golden Wa	30	#N/A	#N/A	#N/A	#N/A
	63	John Horro	36	#N/A	#N/A	#N/A	#N/A
	64	John Horro	6	#N/A	#N/A	#N/A	#N/A
	65	Millbrook \	27	3207.23	391.5438	3598.773	0.108799
			21				
	66	Bank Top (1	#N/A	#N/A	#N/A	#N/A	#N/A
			#N/A				
	67	Golden Wa	20	15078.79	841.6623	15920.45	0.052867

68 Golden Wa	15	12953.31	637.4363	13590.75	0.046902
69 Golden Wa	53	#N/A	#N/A	#N/A	#N/A
70 Golden Wa	54	#N/A	#N/A	#N/A	#N/A
71 Cop Lane (v	20	8704.785	165.3373	8870.123	0.01864
	24				
72 Pope Lane	9	6958.176	447.9445	7406.121	0.060483
	16				
73 Pope Lane	30	9071.209	496.495	9567.703	0.051893
	29				
74 Pope Lane	21	8460.704	503.1375	8963.842	0.05613
	24				
75 New Lane (	18	7328.947	359.5392	7688.486	0.046763
	15				
76 Marshall's l	26	2729.937	325.9645	3055.902	0.106667
	27				
77 Wham Lane	26	13922.15	913.2802	14835.43	0.061561
	27				
78 Croston Ro	32	4983.67	592.6297	5576.299	0.106277
	19				
79 Carrwood F	27	12301.14	451.4469	12752.59	0.0354
	29				
80 The Cawse	32	9797.775	483.21	10280.98	0.047
	32				
81 Browndge	13	7034.867	271.7377	7306.604	0.037191
	4				