



UNIVERSAL DESTINATIONS & EXPERIENCES UK PROJECT

Former Kempston Hardwick Brickworks
and adjoining land, Bedford

Appendix 5.3 18-Hour AAWT Flows (Volume 3)

Report reference: 4.5.3.0

Revision number: 00

Date: June 2025



Two-Way Traffic Flows	2023 Existing		2023 Existing + Peak Construction Traffic		2023 Existing + Average Construction Traffic		Reference Case		Opening Year - Reference Case + Development		Future Year - Reference Case + Development		Opening Year - Reference Case + Development + Construction	
	Total	HDV	Total	HDV	Total	HDV	Total	HDV	Total	HDV	Total	HDV	Total	HDV
1 - A507 Bedford Road	18544	2599	18508	2557	18405	2548	20606	2598	20615	1811	20772	1811	21915	1971
2 - Ridgmont Interchange	17708	2035	17897	2034	17653	2014	20785	2006	21075	1532	21168	1535	22345	1655
3 - A421	33218	5439	34481	5628	33423	5524	37649	5423	39747	4093	41060	4145	42275	4455
4 - A421	34775	4321	35456	4265	34947	4293	37885	4386	38782	3552	38923	3586	41354	3782
5 - M1	117393	25365	118683	25597	117364	25442	124366	25785	125892	20188	127278	20271	134096	21978
6 - M1	104812	24577	106125	24720	105222	24642	110296	24970	112904	19228	113843	19194	120099	20840
7 - A421 Salford Rb	21413	2851	22797	3026	21850	2914	24500	2876	26748	2273	28140	2303	28470	2545
8 - Salford Rd	5254	252	5344	241	5285	248	5796	246	5800	193	5839	193	6011	210
9 - A421	58265	8171	61449	8455	59256	8224	65137	8105	70249	6357	73228	6465	74777	6965
10 - Beancroft Road	6278	233	6301	229	6223	221	6774	234	6905	192	6933	191	7168	207
11 - Lower Shelton Rd	1009	186	1006	178	988	175	1009	185	1001	140	1011	144	1076	154
12 - Beancroft Road	11901	1062	12377	962	11685	955	13856	1025	12797	726	13648	729	13539	770
13 - Beancroft Road	16584	1125	17543	1088	16259	1106	20060	1173	16562	671	17413	667	17487	729
14 - Marston Moretaine	6636	166	6625	164	6594	161	7234	169	7229	147	7257	148	7536	159
15 - Beancroft Road	8939	168	9068	163	9081	160	9148	167	9162	139	9214	137	9603	147
16 - Marston Moretaine	9331	843	9925	832	8647	861	12337	926	7612	461	8404	455	8006	498
17 - A421	58533	8208	59390	8345	58047	8054	62482	7902	72271	6544	75857	6663	77195	7151
18 - Bedford Rd	10175	824	12348	924	11273	950	14520	1015	9782	533	10257	523	10169	572
19 - Bedford Rd	8133	516	10249	845	9561	864	12011	1059	7727	562	7847	551	7926	594
20 - Green Lane	5604	564	6118	629	5567	630	7079	556	6831	358	7260	341	7166	383
21 - Stewartby Way	6295	585	8764	525	7995	543	9027	437	10010	286	10165	277	10403	306
22 - Broadmead Road	4250	123	5374	84	5026	94	5576	89	5631	64	5486	61	5825	71
23 - Broadmead Road	4693	103	6036	88	5732	93	6224	93	6339	67	6187	67	6534	76
24 - Broadmead Road	3776	53	6346	101	6282	96	6947	102	8139	76	8015	81	8337	85
25 - Stewartby Way	5930	628	8026	458	7251	475	8198	358	9156	230	9331	225	9533	250
26 - Stewartby Way	5959	699	7885	438	7111	450	8348	317	9244	217	9417	214	9600	235
27 - B530 Hazelwood Lane	12066	429	12965	401	12391	413	16997	414	17676	293	18092	299	18324	316
28 - B530 Amphil Rd	11905	725	11803	461	11011	451	17509	331	17582	226	17990	232	18187	249
29 - Bedford Rd	2786	80	2851	79	2820	82	4005	82	4006	69	4025	69	4111	73
30 - B530 Amphil Rd	12578	750	12301	486	11482	477	19014	361	19068	252	19486	262	19672	276
31 - Wootton	11143	567	15986	1748	14649	1392	17111	1146	16286	913	18168	919	17139	1007
32 - Fields Rd	11717	432	11773	412	11732	423	16042	427	16170	319	16310	316	16642	365
33 - Fields Rd	11655	420	11756	406	11723	416	15936	415	15999	301	16160	299	16454	347
34 - Burgoyne Avenue	3704	297	3709	287	3732	293	6041	296	6046	250	6062	247	6207	279
35 - Woburn Road	13904	277	18226	1470	16983	1098	19824	855	18596	754	19390	760	19051	851
36 - Manor Rd	3188	68	1858	0	556	0	6090	219	7227	190	10357	203	8039	214
37 - Bedford Road	12476	788	11555	643	10593	641	21431	720	21044	482	21280	492	21570	516
38 - B530 Amphil Rd	11845	800	10904	556	10056	555	20317	494	20000	331	20239	343	20441	359
39 - Meadow Rd	4223	223	4454	251	4369	244	9666	231	9116	141	9246	147	9317	155
40 - Meadow Rd	1734	69	1780	69	1748	69	748	23	620	26	634	26	617	27
41 - Loverose Way	0	0	0	0	0	0	4266	58	3943	55	4084	55	4107	61
42 - Fisherwood Road	3559	534	3637	546	3417	537	8919	562	8466	518	8605	521	8832	559
43 - Hardwick Hill	10691	865	12382	956	11346	850	17248	682	17776	476	17423	489	18376	553
44 - A6 The Branston Way	26057	1344	26430	1355	26134	1342	30447	1343	31053	1006	31406	1014	32328	1114
45 - A6 The Branston Way	22838	978	23213	1011	22912	1014	27043	979	27674	786	27910	782	28799	863
46 - Woburn Road	18439	671	18625	649	18387	666	19203	671	19568	556	19660	559	20496	589
47 - Woburn Road	2347	631	2277	602	2125	602	2775	622	2776	500	2798	500	2897	538
48 - A421 Bedford Southern Bypass	73803	8197	77881	8518	76283	8330	82006	8258	86661	6278	88027	6314	91623	6776
49 - The Causeway	9804	763	9912	763	9639	769	14916	780	14552	592	14685	601	15202	650
50 - Wilstead Road	569	387	443	262	443	265	441	261	444	198	436	194	472	212
51 - A6 Wilstead Bypass	19747	855	19715	824	19706	862	22566	843	23277	635	23591	638	24453	681
52 - A6 Wilstead Bypass	25464	985	25414	949	25399	988	28372	970	29080	715	29484	719	30405	765
53 - A6 Wilstead Bypass	31171	1613	31201	1571	30962	1606	35963	1598	37436	1189	37835	1196	38987	1279
54 - A6 Wilstead Bypass	31425	2506	31267	2291	31034	2319	36144	2331	37608	1673	37991	1678	39169	1785
55 - Wilstead Road	2783	730	2618	574	2564	551	3098	595	3083	392	3097	393	3146	402
56 - Elstow Interchange SW	3466	470	3464	460	3378	434	3551	474	3548	370	3575	373	3737	397
57 - A5141	33808	1610	36884	1791	35872	1686	39974	1539	41224	1055	42469	1083	42913	1232
58 - B530 Amphil Rd	22140	1113	24645	1265	23728	1166	28726	1008	29687	692	31704	713	30573	824
59 - A5141	33477	1563	36542	1742	35518	1643	39606	1496	40841	1021	42094	1048	42529	1193
60 - A5141 Amphil Rd	31087	706	31196	707	31155	726	36544	714	36941	545	37142	552	38062	589
61 - A5141 Amphil Rd	24360	591	24434	584	24485	596	28849	595	29184	487	29236	490	30150	526
62 - A5134 West End	16447	276	16604	272	16408	270	17818	286	18054	238	18101	242	18683	265
63 - A421 Bedford Southern Bypass	65860	7366	66106	7232	65132	7057	75196	7068	78529	5517	81438	5539	82845	5982
64 - A600 Harrowden Rd	20031	614	19996	593	19982	596	21105	603	21399	492	21562	493	22005	549
65 - A600	19955	1019	19820	976	19831	974	22665	1001	23026	765	23285	761	23699	829
66 - A600 The Highway	18163	729	18103	698	18050	695	22378	706	22825	561	23166	557	23534	610
67 - Wallis Way	4025	743	3774	722	3705	709	3874	741	3870	553	3894	554	4028	586
68 - A603 Cardington Road	16824	1342	16442	983	16353	951	17007	1002	17004	788	17121	789	17783	864
69 - Bedford Road	2768	190	2749	176	2766	194	2815	187	2816	160	2834	159	3056	172
70 - Stannard Way	4379	515	4342	484	4276	467	4664	498	4654	386	4682	390	4894	431
71 - A603 Cambridge Road	19203	1313	19185	1235	19044	1239	20560	1257	21842	1018	22710	1043	22920	1120
72 - A421 Bedford Southern Bypass	45567	5344	46399	5560	45636	5373	48425	5364	49739	4360	51081	4368	52951	4748
73 - Water End	1970	228	1906	221	1899	220	2038	226	2040	191	2046	193	2154	206
74 - A4280 St. Neots Road	25842	1372	25858	1350	25731	1311	26549	1377	26627	999	26846	1000	28328	1064
75 - Renhold Junction	18262	1037	18186	1015	18059	1008	18811	1042	18863	753	19043	759	20024	813
76 - St. Neots Road	9101	544	9099	537	8999	546	9470	557	9525	442	9624	436	10257	476
77 - A421 Great Barford Bypass	37116	4873	37972	5113	37329	4946	38928	4917	40095	4112	41091	4118	42997	4471
78 - Black Cat Services	835	835	813	813	815	815	839	839	832	673	843	678	884	716
79 - A1 Great North Road	55888	6532	56782	6842	56374	6742	57517	6714	58704	6905	59484	6914	63063	7561
80 - A1 Great North Road	28127	4207	28265	4197	28451	4268	28697	4349	28674	4625	28859	4613	30822	5030
81 - Bedford Road	4665	456	4511	422	4525	412	4520	438	4518	429	4539	426	4837	460
82 - A421	38144	5185	40061	5307	38771	5192	42211	5102	45052	4001	46598	4080	47853	4334