

Appendix 8.4: Traffic Data

APPENDIX 8.4 – TRAFFIC DATA

Traffic data has been largely obtained by the project transport consultants, however to obtain baseline data for certain road links, nearby planning applications were consulted. Furthermore, DfT point counts¹ have also been used to obtain traffic data outside Transport study area for the project.

The planning references for planning applications which were used to obtain additional base flows are set out below:

- 19/00680OUT²;
- 21/00531/HYB³;
- 22/01529/FULM⁴; and
- 24/00727/OUTM-ES⁵.

Table 8.4.1: 2023 Verification

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Station Road South	64	3781	29	1%
Station Road South	48	3781	29	1%
Station Road North	64	3781	29	1%
Wood Road	80	5267	302	6%
Bagworth Road	80	4414	118	3%
B585 - Bagworth Road	97	3977	208	5%
B582 - Grange Road	97	3650	236	6%
B582 - Grange Road	64	3650	236	6%
A447 - Ibstock Road South	80	10146	555	5%
A447 - Ibstock Road North	80	14782	527	4%

¹ Department for Transport. *Road Traffic Statistics*. Available Online at: [Map Road traffic statistics - Road traffic statistics](#)

² BWB (2019). *Land to the Rear of Markfield Road, Ratby, Leicestershire Air Quality Assessment*. Document number: GRR-BWB-ZZ-ZZ-RP-LA-0001_AQA_S0_P03

³ Vanguardia (2021). *Wood Farm, Ellistown Air Quality Assessment*. Doc ref: VC-103060-AQ-RP-0001.

⁴ Acoustic Air (2022). *Land off Grange Road, Lower Bardon Air Quality Assessment*. Report Ref: 25618-ENV-0401 REV D.

⁵ Ricardo (2024). *EIA Report – Land South of the A453, East Midlands Airport*. Ricardo Ref: ED18264.

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Ibstock Road West (Unnamed)	80	0	0	0%
A447 - Hinckley Road	80	9959	302	3%
A447 - Hinckley Road	48	9959	302	3%
A447 - Melbourne Road	48	9959	302	3%
Station Road, Ibstock	48	3368	47	1%
A447 - Hinckley Road	80	9959	302	3%
Bagworth Road	48	4414	118	3%
B585	64	8779	503	6%
Ellistown Terrace Road	64	3543	411	12%
Victoria Road	64	8837	1355	15%
West Lane	80	7022	751	11%
B585 -West Lane	48	9374	1002	11%
B585 Beveridge Lane (Eastbound)	97	13184	2292	17%
B585 Beveridge Lane (Westbound)	97	12937	1764	14%
A511 Shaw Lane (Westbound) to B585 Beveridge Lane Slip	48	10257	1430	14%
A511 Bardon Road (Eastbound) to B585 Beveridge Lane Slip	48	486	146	30%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SW Section)	48	10792	972	9%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NW Section)	48	10306	1728	17%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NE Section)	48	21854	2991	14%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SE Section)	48	604	173	29%
A511 Shaw Lane (Westbound) to A511 Bardon Road	113 / 96	10674	944	9%
A511 Shaw Lane (Westbound)	113 / 96	20931	2373	11%
A511 Shaw Lane (Eastbound)	113 / 96	21250	2818	13%
B591 (Northbound)	64	4150	271	7%
B591 (Southbound)	64	3539	104	3%
Flying Horse Roundabout (N Section)	48	19009	2720	14%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Flying Horse Roundabout (E Section)	48	4220	194	5%
Flying Horse Roundabout (S Section)	48	22083	2505	11%
Flying Horse Roundabout (W Section)	48	2047	187	9%
Stanton Lane	64	4095	451	11%
A511 Little Shaw Lane (Eastbound) (40 mph)	64	15636	2405	15%
A511 Little Shaw Lane (Eastbound) (50 mph)	80	15636	2405	15%
A511 Little Shaw Lane (Westbound) (50 mph)	80	16218	2678	17%
A511 Little Shaw Lane (Westbound) (40 mph)	64	16218	2678	17%
A511 Bardon Road (Westbound)	80	11201	1117	10%
A511 Bardon Road (Eastbound)	80	11548	1263	11%
M1 junction 22 (Between A511 slips)	80	9863	761	8%
M1 junction 22 (Between M1 (N) slips)	80	16564	2003	12%
M1 junction 22 (Between A50 slips)	80	9996	1961	20%
M1 junction 22 (Between M1 (S) slips)	80	21548	2031	9%
M1 junction 22 (Between Cliffe Lane)	80	21206	2038	10%
M1 junction 22 (Northbound on slip)	80	11559	1389	12%
M1 junction 22 (Northbound on slip)	113 / 96	11559	1389	12%
M1 junction 22 (Southbound off slip)	113 / 96	13430	1571	12%
M1 junction 22 (Southbound off slip)	80	13430	1571	12%
A50 (Eastbound)	80	16819	1358	8%
A50 (Eastbound)	113 / 96	16819	1358	8%
A50 (Westbound)	113 / 96	16963	1433	8%
A50 (Westbound)	80	16963	1433	8%
M1 junction 22 (Northbound off slip)	113 / 96	7525	1166	15%
M1 junction 22 (Northbound off slip)	80	7525	1166	15%
M1 junction 22 (Southbound on slip)	80	6750	1319	20%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 junction 22 (Southbound on slip)	113 / 96	6750	1319	20%
M1 (north of junction 22) (Northbound)	113 / 96	56068	7978	14%
M1 (north of junction 22) (Southbound)	113 / 96	51114	9143	18%
M1 (over junction 22) (Northbound)	113 / 96	48607	7535	16%
M1 (over junction 22) (Southbound)	113 / 96	48897	7838	16%
M1 (south of junction 22) (Southbound)	113 / 96	48897	7838	16%
M1 (south of junction 22) (Northbound)	113 / 96	48607	7535	16%
A511 - Bardon Road West	80	22990	3137	14%
A511 - Bardon Road North (South of Waterworks Road)	64	23117	3317	14%
A511 - Bardon Road North (North of Waterworks Road)	48	10414	1684	16%
Bardon Road	48	13276	922	7%
A511 - Stephenson Way	48	10414	1684	16%
Broom Leys Road (West of A511 Stephenson Road)	48	7761	253	3%
Broom Leys Road (East of A511 Stephenson Road)	48	14551	484	3%
A511 - Stephenson Way	64	10414	1684	16%
A511 - Ashby Road	80	19981	1996	10%
Groby Road	48	7963	675	8%
Markfield Road (North of Jennys Way)	48	3220	300	9%
Markfield Road (South of Jennys Way)	48	3229	267	8%
M1 (Northbound) Off Slip (to A46)	113 / 96	30707	2195	7%
M1 (Northbound) Off Slip (to Kirkby Muxloe Interchange)	113 / 96	10384	38	0%
A46 (Northbound) (Under Kirkby Muxloe Interchange)	113 / 96	20323	2157	11%
M1 (Southbound) On Slip (from Kirkby Muxloe Interchange)	113 / 96	10595	564	5%
A46 (Southbound) (Under Kirkby Muxloe Interchange)	113 / 96	21389	2271	11%
M1 (Southbound) On Slip (from A46)	113 / 96	31984	2835	9%
M1 (Southbound) (North of Junction 21)	113 / 96	70285	11315	16%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 (Northbound) (North of Junction 21)	113 / 96	68931	11667	17%
A47 Hinckley Road	64	18878	897	5%
M1 (Southbound) (South of Junction 21)	113 / 96	45764	7829	17%
M1 (Northbound) (South of Junction 21)	113 / 96	45789	7734	17%
B582 Blaby Road	64	9870	430	4%
B4114 Leicester Road / King Edward Road (Southbound)	64	12285	371	3%
B4114 Leicester Road / King Edward Road (Northbound)	64	13352	387	3%
B591 Northeast	80	8679	241	3%
Whitwick Road Northwest	80	9704	297	3%
B591	80	7690	375	5%
Whitwick Road Southeast	97	7951	141	2%
M1 (Northbound) (North of Junction 22)	113 / 96	56068	7978	14%
Whitwick Road Northwest	80	9704	297	3%
M1 (Southbound) (North of Junction 22)	113 / 96	51114	9143	18%
M1 (Northbound) (North of Junction 23)	113 / 96	57026	7868	14%
M1 (Southbound) (North of Junction 23)	113 / 96	52158	7704	15%
West End (Long Whatton)	48	1831	18	1%

Table 8.4.2: 2024 Baseline

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Station Road South	64	3803	29	1%
Station Road South	48	3803	29	1%
Station Road North	64	3803	29	1%
Wood Road	80	5298	303	6%
Bagworth Road	80	4439	119	3%
B585 - Bagworth Road	97	4000	209	5%
B582 - Grange Road	97	3672	237	6%
B582 - Grange Road	64	3672	237	6%
A447 - Ibstock Road South	80	10205	558	5%
A447 - Ibstock Road North	80	14868	530	4%
Ibstock Road West (Unnamed)	80	0	0	0%
A447 - Hinckley Road	80	10017	304	3%
A447 - Hinckley Road	48	10017	304	3%
A447 - Melbourne Road	48	10017	304	3%
Station Road, Ibstock	48	3388	47	1%
A447 - Hinckley Road	80	10017	304	3%
Bagworth Road	48	4439	119	3%
B585	64	8830	505	6%
Ellistown Terrace Road	64	3563	413	12%
Victoria Road	64	8889	1363	15%
West Lane	80	7063	755	11%
B585 -West Lane	48	9429	1008	11%
B585 Beveridge Lane (Eastbound)	97	13260	2306	17%
B585 Beveridge Lane (Westbound)	97	13012	1774	14%
A511 Shaw Lane (Westbound) to B585 Beveridge Lane Slip	48	10317	1438	14%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 Bardon Road (Eastbound) to B585 Beveridge Lane Slip	48	489	147	30%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SW Section)	48	10854	977	9%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NW Section)	48	10366	1738	17%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NE Section)	48	21981	3008	14%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SE Section)	48	607	175	29%
A511 Shaw Lane (Westbound) to A511 Bardon Road	113 / 96	10736	949	9%
A511 Shaw Lane (Westbound)	113 / 96	21052	2387	11%
A511 Shaw Lane (Eastbound)	113 / 96	21373	2834	13%
B591 (Northbound)	64	4174	272	7%
B591 (Southbound)	64	3560	105	3%
Flying Horse Roundabout (N Section)	48	19119	2736	14%
Flying Horse Roundabout (E Section)	48	4244	195	5%
Flying Horse Roundabout (S Section)	48	22211	2520	11%
Flying Horse Roundabout (W Section)	48	2059	188	9%
Stanton Lane	64	4119	454	11%
A511 Little Shaw Lane (Eastbound) (40 mph)	64	15727	2419	15%
A511 Little Shaw Lane (Eastbound) (50 mph)	80	15727	2419	15%
A511 Little Shaw Lane (Westbound) (50 mph)	80	16312	2694	17%
A511 Little Shaw Lane (Westbound) (40 mph)	64	16312	2694	17%
A511 Bardon Road (Westbound)	80	11266	1124	10%
A511 Bardon Road (Eastbound)	80	11615	1270	11%
M1 junction 22 (Between A511 lips)	80	9863	761	8%
M1 junction 22 (Between M1 (N) lips)	80	16564	2003	12%
M1 junction 22 (Between A50 slips)	80	9996	1961	20%
M1 junction 22 (Between M1 (S) slips)	80	21548	2031	9%
M1 junction 22 (Between Cliffe Lane)	80	21206	2038	10%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 junction 22 (Northbound on slip)	80	11559	1389	12%
M1 junction 22 (Northbound on slip)	113 / 6	11559	1389	12%
M1 junction 22 (Southbound off slip)	113 / 96	13430	1571	12%
M1 junction 22 (Southbound off slip)	80	13430	1571	12%
A50 (Eastbound)	80	16917	1366	8%
A50 (Eastbound)	113 / 96	16917	1366	8%
A50 (Westbound)	113 / 96	17061	1441	8%
A50 (Westbound)	80	17061	1441	8%
M1 junction 22 (Northbound off slip)	113 / 96	7525	1166	15%
M1 junction 22 (Northbound off slip)	80	7525	1166	15%
M1 junction 22 (Southbound on slip)	80	6750	1319	20%
M1 junction 22 (Southbound on slip)	113 / 96	6750	1319	20%
M1 (north of junction 22) (Northbound)	113 / 96	56393	8024	14%
M1 (north of junction 22) (Southbound)	113 / 96	51410	9196	18%
M1 (over junction 22) (Northbound)	113 / 96	48889	7579	16%
M1 (over junction 22) (Southbound)	113 / 96	49181	7883	16%
M1 (south of junction 22) (Southbound)	113 / 96	49181	7883	16%
M1 (south of junction 22) (Northbound)	113 / 96	48889	7579	16%
A511 - Bardon Road West	80	23123	3155	14%
A511 - Bardon Road North (South of Waterworks Road)	64	23251	3337	14%
A511 - Bardon Road North (North of Waterworks Road)	48	10474	1694	16%
Bardon Road	48	13353	927	7%
A511 - Stephenson Way	48	10474	1694	16%
Broom Leys Road (West of A511 Stephenson Road)	48	7806	254	3%
Broom Leys Road (East of A511 Stephenson Road)	48	14635	486	3%
A511 - Stephenson Way	64	10474	1694	16%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 - Ashby Road	80	20097	2008	10%
Groby Road	48	8018	680	8%
Markfield Road (North of Jennys Way)	48	3242	302	9%
Markfield Road (South of Jennys Way)	48	3251	269	8%
M1 (Northbound) Off Slip (to A46)	113 / 96	30885	2208	7%
M1 (Northbound) Off Slip (to Kirkby Muxloe Interchange)	113 / 96	10444	38	0%
A46 (Northbound) (Under Kirkby Muxloe Interchange)	113 / 96	20441	2170	11%
M1 (Southbound) On Slip (from Kirkby Muxloe Interchange)	113 / 96	10656	567	5%
A46 (Southbound) (Under Kirkby Muxloe Interchange)	113 / 96	21513	2284	11%
M1 (Southbound) On Slip (from A46)	113 / 96	32170	2851	9%
M1 (Southbound) (North of Junction 21)	113 / 96	70693	11381	16%
M1 (Northbound) (North of Junction 21)	113 / 96	69331	11735	17%
A47 Hinckley Road	64	18987	902	5%
M1 (Southbound) (South of Junction 21)	113 / 96	46029	7874	17%
M1 (Northbound) (South of Junction 21)	113 / 96	46055	7779	17%
B582 Blaby Road	64	9927	432	4%
B4114 Leicester Road / King Edward Road (Southbound)	64	12356	373	3%
B4114 Leicester Road / King Edward Road (Northbound)	64	13429	389	3%
B591 Northeast	80	8729	242	3%
Whitwick Road Northwest	80	9760	299	3%
B591	80	7734	377	5%
Whitwick Road Southeast	97	7997	142	2%
M1 (Northbound) (North of Junction 22)	113 / 96	56393	8024	14%
Whitwick Road Northwest	80	9760	299	3%
M1 (Southbound) (North of Junction 22)	113 / 96	51410	9196	18%
M1 (Northbound) (North of Junction 23)	113 / 96	57357	7914	14%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 (Southbound) (North of Junction 23)	113 / 96	52461	7749	15%
West End (Long Whatton)	48	1842	18	1%

Table 8.4.3: 2030 Baseline

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Station Road South	64	4079	31	1%
Station Road South	48	4079	31	1%
Station Road North	64	4079	31	1%
Wood Road	80	5683	325	6%
Bagworth Road	80	4762	127	3%
B585 - Bagworth Road	97	4290	225	5%
B582 - Grange Road	97	3939	255	6%
B582 - Grange Road	64	3939	255	6%
A447 - Ibstock Road South	80	10947	599	5%
A447 - Ibstock Road North	80	15949	569	4%
Ibstock Road West (Unnamed)	80	0	0	0%
A447 - Hinckley Road	80	10745	326	3%
A447 - Hinckley Road	48	10745	326	3%
A447 - Melbourne Road	48	10745	326	3%
Station Road, Ibstock	48	3634	51	1%
A447 - Hinckley Road	80	10745	326	3%
Bagworth Road	48	4762	127	3%
B585	64	9472	542	6%
Ellistown Terrace Road	64	3823	443	12%
Victoria Road	64	9535	1462	15%
West Lane	80	7576	810	11%
B585 -West Lane	48	10114	1082	11%
B585 Beveridge Lane (Eastbound)	97	14224	2473	17%
B585 Beveridge Lane (Westbound)	97	13958	1903	14%
A511 Shaw Lane (Westbound) to B585 Beveridge Lane Slip	48	11067	1542	14%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 Bardon Road (Eastbound) to B585 Beveridge Lane Slip	48	524	157	30%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SW Section)	48	11643	1048	9%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NW Section)	48	11119	1864	17%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NE Section)	48	23579	3227	14%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SE Section)	48	651	187	29%
A511 Shaw Lane (Westbound) to A511 Bardon Road	113 / 96	11516	1018	9%
A511 Shaw Lane (Westbound)	113 / 96	22583	2561	11%
A511 Shaw Lane (Eastbound)	113 / 96	22927	3040	13%
B591 (Northbound)	64	4478	292	7%
B591 (Southbound)	64	3819	112	3%
Flying Horse Roundabout (N Section)	48	20509	2935	14%
Flying Horse Roundabout (E Section)	48	4553	210	5%
Flying Horse Roundabout (S Section)	48	23826	2703	11%
Flying Horse Roundabout (W Section)	48	2209	202	9%
Stanton Lane	64	4419	487	11%
A511 Little Shaw Lane (Eastbound) (40 mph)	64	16870	2595	15%
A511 Little Shaw Lane (Eastbound) (50 mph)	80	16870	2595	15%
A511 Little Shaw Lane (Westbound) (50 mph)	80	17498	2889	17%
A511 Little Shaw Lane (Westbound) (40 mph)	64	17498	2889	17%
A511 Bardon Road (Westbound)	80	12085	1206	10%
A511 Bardon Road (Eastbound)	80	12460	1363	11%
M1 junction 22 (Between A511 slips)	80	10580	816	8%
M1 junction 22 (Between M1 (N) slips)	80	17768	2149	12%
M1 junction 22 (Between A50 slips)	80	10722	2104	20%
M1 junction 22 (Between M1 (S) slips)	80	23115	2179	9%
M1 junction 22 (Between Cliffe Lane)	80	22748	2186	10%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 junction 22 (Northbound on slip)	80	12400	1490	12%
M1 junction 22 (Northbound on slip)	113 / 96	12400	1490	12%
M1 junction 22 (Southbound off slip)	113 / 96	14406	1685	12%
M1 junction 22 (Southbound off slip)	80	14406	1685	12%
A50 (Eastbound)	80	18146	1465	8%
A50 (Eastbound)	113 / 96	18146	1465	8%
A50 (Westbound)	113 / 96	18302	1546	8%
A50 (Westbound)	80	18302	1546	8%
M1 junction 22 (Northbound off slip)	113 / 96	8072	1250	15%
M1 junction 22 (Northbound off slip)	80	8072	1250	15%
M1 junction 22 (Southbound on slip)	80	7241	1415	20%
M1 junction 22 (Southbound on slip)	113 / 96	7241	1415	20%
M1 (north of junction 22) (Northbound)	113 / 96	60493	8608	14%
M1 (north of junction 22) (Southbound)	113 / 96	55148	9865	18%
M1 (over junction 22) (Northbound)	113 / 96	52443	8130	16%
M1 (over junction 22) (Southbound)	113 / 96	52756	8457	16%
M1 (south of junction 22) (Southbound)	113 / 96	52756	8457	16%
M1 (south of junction 22) (Northbound)	113 / 96	52443	8130	16%
A511 - Bardon Road West	80	24804	3385	14%
A511 - Bardon Road North (South of Waterworks Road)	64	24942	3579	14%
A511 - Bardon Road North (North of Waterworks Road)	48	11236	1817	16%
Bardon Road	48	14324	994	7%
A511 - Stephenson Way	48	11236	1817	16%
Broom Leys Road (West of A511 Stephenson Road)	48	8374	273	3%
Broom Leys Road (East of A511 Stephenson Road)	48	15699	522	3%
A511 - Stephenson Way	64	11236	1817	16%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 - Ashby Road	80	21558	2154	10%
Groby Road	48	8601	729	8%
Markfield Road (North of Jennys Way)	48	3478	324	9%
Markfield Road (South of Jennys Way)	48	3487	289	8%
M1 (Northbound) Off Slip (to A46)	113 / 96	33130	2368	7%
M1 (Northbound) Off Slip (to Kirkby Muxloe Interchange)	113 / 96	11204	41	0%
A46 (Northbound) (Under Kirkby Muxloe Interchange)	113 / 96	21927	2327	11%
M1 (Southbound) On Slip (from Kirkby Muxloe Interchange)	113 / 96	11431	609	5%
A46 (Southbound) (Under Kirkby Muxloe Interchange)	113 / 96	23077	2450	11%
M1 (Southbound) On Slip (from A46)	113 / 96	34508	3059	9%
M1 (Southbound) (North of Junction 21)	113 / 96	75832	12208	16%
M1 (Northbound) (North of Junction 21)	113 / 96	74371	12588	17%
A47 Hinckley Road	64	20368	968	5%
M1 (Southbound) (South of Junction 21)	113 / 96	49376	8447	17%
M1 (Northbound) (South of Junction 21)	113 / 96	49403	8344	17%
B582 Blaby Road	64	10649	464	4%
B4114 Leicester Road / King Edward Road (Southbound)	64	13255	400	3%
B4114 Leicester Road / King Edward Road (Northbound)	64	14406	418	3%
B591 Northeast	80	9364	260	3%
Whitwick Road Northwest	80	10470	320	3%
B591	80	8296	404	5%
Whitwick Road Southeast	97	8578	152	2%
M1 (Northbound) (North of Junction 22)	113 / 96	60493	8608	14%
Whitwick Road Northwest	80	10470	320	3%
M1 (Southbound) (North of Junction 22)	113 / 96	55148	9865	18%
M1 (Northbound) (North of Junction 23)	113 / 96	61527	8489	14%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 (Southbound) (North of Junction 23)	113 / 96	56274	8312	15%
West End (Long Whatton)	48	1976	20	1%

Table 8.4.4: 2030 Baseline + Proposed Development

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Station Road South	64	4181	31	1%
Station Road South	48	4181	31	1%
Station Road North	64	6946	1909	27%
Wood Road	80	6324	669	11%
Bagworth Road	80	4869	127	3%
B585 - Bagworth Road	97	4316	225	5%
B582 - Grange Road	97	4447	598	13%
B582 - Grange Road	64	4447	598	13%
A447 - Ibstock Road South	80	11162	814	7%
A447 - Ibstock Road North	80	16243	698	4%
Ibstock Road West (Unnamed)	80	97	0	0%
A447 - Hinckley Road	80	10942	455	4%
A447 - Hinckley Road	48	10942	455	4%
A447 - Melbourne Road	48	10942	455	4%
Station Road, Ibstock	48	3634	51	1%
A447 - Hinckley Road	80	11067	541	5%
Bagworth Road	48	4869	127	3%
B585	64	11698	2077	18%
Ellistown Terrace Road	64	3968	443	11%
Victoria Road	64	11615	2997	26%
West Lane	80	9656	2345	24%
B585 -West Lane	48	12194	2616	21%
B585 Beveridge Lane (Eastbound)	97	15203	3195	21%
B585 Beveridge Lane (Westbound)	97	15029	2717	18%
A511 Shaw Lane (Westbound) to B585 Beveridge Lane Slip	48	11830	2083	18%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 Bardon Road (Eastbound) to B585 Beveridge Lane Slip	48	801	430	54%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SW Section)	48	11643	1048	9%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NW Section)	48	11882	2344	20%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NE Section)	48	24342	3706	15%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SE Section)	48	928	460	50%
A511 Shaw Lane (Westbound) to A511 Bardon Road	113 / 96	11516	1018	9%
A511 Shaw Lane (Westbound)	113 / 96	23346	3101	13%
A511 Shaw Lane (Eastbound)	113 / 96	23690	3519	15%
B591 (Northbound)	64	4502	292	6%
B591 (Southbound)	64	3843	112	3%
Flying Horse Roundabout (N Section)	48	21247	3414	16%
Flying Horse Roundabout (E Section)	48	4553	210	5%
Flying Horse Roundabout (S Section)	48	24589	3243	13%
Flying Horse Roundabout (W Section)	48	2209	202	9%
Stanton Lane	64	4419	487	11%
A511 Little Shaw Lane (Eastbound) (40 mph)	64	17608	3074	17%
A511 Little Shaw Lane (Eastbound) (50 mph)	80	17608	3074	17%
A511 Little Shaw Lane (Westbound) (50 mph)	80	18236	3430	19%
A511 Little Shaw Lane (Westbound) (40 mph)	64	18236	3430	19%
A511 Bardon Road (Westbound)	80	12362	1448	12%
A511 Bardon Road (Eastbound)	80	12737	1636	13%
M1 junction 22 (Between A511 slips)	80	10580	816	8%
M1 junction 22 (Between M1 (N) slips)	80	17862	2183	12%
M1 junction 22 (Between A50 slips)	80	11367	2570	23%
M1 junction 22 (Between M1 (S) slips)	80	23452	2217	9%
M1 junction 22 (Between Cliffe Lane)	80	23486	2547	11%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 junction 22 (Northbound on slip)	80	12643	1650	13%
M1 junction 22 (Northbound on slip)	113 / 96	12643	1650	13%
M1 junction 22 (Southbound off slip)	113 / 96	14649	1865	13%
M1 junction 22 (Southbound off slip)	80	14649	1865	13%
A50 (Eastbound)	80	18241	1499	8%
A50 (Eastbound)	113 / 96	18241	1499	8%
A50 (Westbound)	113 / 96	18396	1584	9%
A50 (Westbound)	80	18396	1584	9%
M1 junction 22 (Northbound off slip)	113 / 96	8473	1573	19%
M1 junction 22 (Northbound off slip)	80	8473	1573	19%
M1 junction 22 (Southbound on slip)	80	7642	1701	22%
M1 junction 22 (Southbound on slip)	113 / 96	7642	1701	22%
M1 (north of junction 22) (Northbound)	113 / 96	60736	8767	14%
M1 (north of junction 22) (Southbound)	113 / 96	55391	10045	18%
M1 (over junction 22) (Northbound)	113 / 96	52443	8130	16%
M1 (over junction 22) (Southbound)	113 / 96	52756	8457	16%
M1 (south of junction 22) (Southbound)	113 / 96	53157	8742	16%
M1 (south of junction 22) (Northbound)	113 / 96	52845	8452	16%
A511 - Bardon Road West	80	25329	3900	15%
A511 - Bardon Road North (South of Waterworks Road)	64	25496	4094	16%
A511 - Bardon Road North (North of Waterworks Road)	48	11761	2332	20%
Bardon Road	48	14324	994	7%
A511 - Stephenson Way	48	11761	2332	20%
Broom Leys Road (West of A511 Stephenson Road)	48	8374	273	3%
Broom Leys Road (East of A511 Stephenson Road)	48	15699	522	3%
A511 - Stephenson Way	64	11761	2332	20%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 - Ashby Road	80	22083	2669	12%
Groby Road	48	8601	729	8%
Markfield Road (North of Jennys Way)	48	3478	324	9%
Markfield Road (South of Jennys Way)	48	3487	289	8%
M1 (Northbound) Off Slip (to A46)	113 / 96	33130	2368	7%
M1 (Northbound) Off Slip (to Kirkby Muxloe Interchange)	113 / 96	11204	41	0%
A46 (Northbound) (Under Kirkby Muxloe Interchange)	113 / 96	21927	2327	11%
M1 (Southbound) On Slip (from Kirkby Muxloe Interchange)	113 / 96	11431	609	5%
A46 (Southbound) (Under Kirkby Muxloe Interchange)	113 / 96	23077	2450	11%
M1 (Southbound) On Slip (from A46)	113 / 96	34508	3059	9%
M1 (Southbound) (North of Junction 21)	113 / 96	76233	12494	16%
M1 (Northbound) (North of Junction 21)	113 / 96	74773	12910	17%
A47 Hinckley Road	64	20368	968	5%
M1 (Southbound) (South of Junction 21)	113 / 96	49722	8733	18%
M1 (Northbound) (South of Junction 21)	113 / 96	49767	8667	17%
B582 Blaby Road	64	10649	464	4%
B4114 Leicester Road / King Edward Road (Southbound)	64	13255	400	3%
B4114 Leicester Road / King Edward Road (Northbound)	64	14406	418	3%
B591 Northeast	80	9402	260	3%
Whitwick Road Northwest	80	10480	320	3%
B591	80	8345	404	5%
Whitwick Road Southeast	97	8578	152	2%
M1 (Northbound) (North of Junction 22)	113 / 96	60736	8767	14%
Whitwick Road Northwest	80	10480	320	3%
M1 (Southbound) (North of Junction 22)	113 / 96	55391	10045	18%
M1 (Northbound) (North of Junction 23)				

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 (Southbound) (North of Junction 23)	113 / 96	56517	8492	15%
West End (Long Whatton)	48	1976	20	1%

Table 8.4.5: 2030 Baseline + Committed Developments + Proposed Development

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Station Road South	64	4181	31	1%
Station Road South	48	4181	31	1%
Station Road North	64	6946	1909	27%
Wood Road	80	9120	2623	29%
Bagworth Road	80	4869	127	3%
B585 - Bagworth Road	97	4316	225	5%
B582 - Grange Road	97	4447	598	13%
B582 - Grange Road	64	4447	598	13%
A447 - Ibstock Road South	80	11162	814	7%
A447 - Ibstock Road North	80	16243	698	4%
Ibstock Road West (Unnamed)	80	97	0	0%
A447 - Hinckley Road	80	10942	455	4%
A447 - Hinckley Road	48	10942	455	4%
A447 - Melbourne Road	48	10942	455	4%
Station Road, Ibstock	48	3634	51	1%
A447 - Hinckley Road	80	11067	541	5%
Bagworth Road	48	4869	127	3%
B585	64	14494	4019	28%
Ellistown Terrace Road	64	4145	460	11%
Victoria Road	64	14181	4593	32%
West Lane	80	12222	3941	32%
B585 -West Lane	48	12194	2616	21%
B585 Beveridge Lane (Eastbound)	97	16436	3637	22%
B585 Beveridge Lane (Westbound)	97	16238	3057	19%
A511 Shaw Lane (Westbound) to B585 Beveridge Lane Slip	48	12940	2908	22%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 Bardon Road (Eastbound) to B585 Beveridge Lane Slip	48	938	567	60%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SW Section)	48	11643	1048	9%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NW Section)	48	12992	3169	24%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NE Section)	48	25452	4532	18%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SE Section)	48	1065	597	56%
A511 Shaw Lane (Westbound) to A511 Bardon Road	113 / 96	11516	1018	9%
A511 Shaw Lane (Westbound)	113 / 96	24456	3927	16%
A511 Shaw Lane (Eastbound)	113 / 96	24800	4345	18%
B591 (Northbound)	64	4582	292	6%
B591 (Southbound)	64	3924	112	3%
Flying Horse Roundabout (N Section)	48	22276	4240	19%
Flying Horse Roundabout (E Section)	48	4553	210	5%
Flying Horse Roundabout (S Section)	48	25698	4069	16%
Flying Horse Roundabout (W Section)	48	2209	202	9%
Stanton Lane	64	4419	487	11%
A511 Little Shaw Lane (Eastbound) (40 mph)	64	18637	3899	21%
A511 Little Shaw Lane (Eastbound) (50 mph)	80	18637	3899	21%
A511 Little Shaw Lane (Westbound) (50 mph)	80	19265	4255	22%
A511 Little Shaw Lane (Westbound) (40 mph)	64	19265	4255	22%
A511 Bardon Road (Westbound)	80	12499	1584	13%
A511 Bardon Road (Eastbound)	80	12874	1772	14%
M1 junction 22 (Between A511 slips)	80	10580	816	8%
M1 junction 22 (Between M1 (N) slips)	80	17930	2215	12%
M1 junction 22 (Between A50 slips)	80	12329	3362	27%
M1 junction 22 (Between M1 (S) slips)	80	24051	2249	9%
M1 junction 22 (Between Cliffe Lane)	80	24516	2941	12%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 junction 22 (Northbound on slip)	80	13174	2080	16%
M1 junction 22 (Northbound on slip)	113 / 96	13174	2080	16%
M1 junction 22 (Southbound off slip)	113 / 96	15181	2295	15%
M1 junction 22 (Southbound off slip)	80	15181	2295	15%
A50 (Eastbound)	80	18308	1531	8%
A50 (Eastbound)	113 / 96	18308	1531	8%
A50 (Westbound)	113 / 96	18463	1617	9%
A50 (Westbound)	80	18463	1617	9%
M1 junction 22 (Northbound off slip)	113 / 96	8904	1935	22%
M1 junction 22 (Northbound off slip)	80	8904	1935	22%
M1 junction 22 (Southbound on slip)	80	8073	2063	26%
M1 junction 22 (Southbound on slip)	113 / 96	8073	2063	26%
M1 (north of junction 22) (Northbound)	113 / 96	61267	9198	15%
M1 (north of junction 22) (Southbound)	113 / 96	55922	10475	19%
M1 (over junction 22) (Northbound)	113 / 96	52443	8130	16%
M1 (over junction 22) (Southbound)	113 / 96	52756	8457	16%
M1 (south of junction 22) (Southbound)	113 / 96	53588	9104	17%
M1 (south of junction 22) (Northbound)	113 / 96	53276	8814	17%
A511 - Bardon Road West	80	25603	4173	16%
A511 - Bardon Road North (South of Waterworks Road)	64	25496	4094	16%
A511 - Bardon Road North (North of Waterworks Road)	48	12035	2605	22%
Bardon Road	48	14324	994	7%
A511 - Stephenson Way	48	12035	2605	22%
Broom Leys Road (West of A511 Stephenson Road)	48	8374	273	3%
Broom Leys Road (East of A511 Stephenson Road)	48	15699	522	3%
A511 - Stephenson Way	64	12035	2605	22%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
A511 - Ashby Road	80	22357	2942	13%
Groby Road	48	8601	729	8%
Markfield Road (North of Jennys Way)	48	3478	324	9%
Markfield Road (South of Jennys Way)	48	3487	289	8%
M1 (Northbound) Off Slip (to A46)	113 / 96	33130	2368	7%
M1 (Northbound) Off Slip (to Kirkby Muxloe Interchange)	113 / 96	11204	41	0%
A46 (Northbound) (Under Kirkby Muxloe Interchange)	113 / 96	21927	2327	11%
M1 (Southbound) On Slip (from Kirkby Muxloe Interchange)	113 / 96	11431	609	5%
A46 (Southbound) (Under Kirkby Muxloe Interchange)	113 / 96	23077	2450	11%
M1 (Southbound) On Slip (from A46)	113 / 96	34508	3059	9%
M1 (Southbound) (North of Junction 21)	113 / 96	76664	12856	17%
M1 (Northbound) (North of Junction 21)	113 / 96	75204	13272	18%
A47 Hinckley Road	64	20368	968	5%
M1 (Southbound) (South of Junction 21)	113 / 96	50153	9095	18%
M1 (Northbound) (South of Junction 21)	113 / 96	50198	9029	18%
B582 Blaby Road	64	10649	464	4%
B4114 Leicester Road / King Edward Road (Southbound)	64	13255	400	3%
B4114 Leicester Road / King Edward Road (Northbound)	64	14406	418	3%
B591 Northeast	80	9402	260	3%
Whitwick Road Northwest	80	10480	320	3%
B591	80	8506	404	5%
Whitwick Road Southeast	97	8578	152	2%
M1 (Northbound) (North of Junction 22)	113 / 96	61267	9198	15%
Whitwick Road Northwest	80	10480	320	3%
M1 (Southbound) (North of Junction 22)	113 / 96	55922	10475	19%
M1 (Northbound) (North of Junction 23)	113 / 96	62301	9079	15%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 (Southbound) (North of Junction 23)	113 / 96	57049	8923	16%
West End (Long Whatton)	48	1976	20	1%

Table 8.4.6: 2026 Baseline

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Station Road South	64	3849	29	1%
Station Road South	48	3849	29	1%
Station Road North	64	3849	29	1%
Wood Road	80	5361	307	6%
Bagworth Road	80	4493	120	3%
B585 - Bagworth Road	97	4048	212	5%
B582 - Grange Road	97	3716	240	6%
B582 - Grange Road	64	3716	240	6%
A447 - Ibstock Road South	80	10327	565	5%
A447 - Ibstock Road North	80	15046	537	4%
Ibstock Road West (Unnamed)	80	0	0	0%
A447 - Hinckley Road	80	10137	308	3%
A447 - Hinckley Road	48	10137	308	3%
A447 - Melbourne Road	48	10137	308	3%
Station Road, Ibstock	48	3428	48	1%
A447 - Hinckley Road	80	10137	308	3%
Bagworth Road	48	4493	120	3%
B585	64	8936	512	6%
Ellistown Terrace Road	64	3606	418	12%
Victoria Road	64	8995	1379	15%
A447 -Ashby Road (Stapleton)	64	12450	530	4%
A447 -Ashby Road (Stapleton)	48	12450	530	4%
West Lane	80	7148	764	11%
B585 -West Lane	48	9542	1020	11%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
B585 Beveridge Lane (Westbound)	97	13168	1796	14%
A511 Shaw Lane (Westbound) to B585 Beveridge Lane Slip	48	10440	1455	14%
A511 Bardon Road (Eastbound) to B585 Beveridge Lane Slip	48	494	148	30%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SW Section)	48	10984	989	9%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NW Section)	48	10490	1759	17%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NE Section)	48	22244	3045	14%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SE Section)	48	615	177	29%
A511 Shaw Lane (Westbound) to A511 Bardon Road	113	10864	961	9%
A511 Shaw Lane (Westbound)	113	21305	2416	11%
A511 Shaw Lane (Eastbound)	113	21630	2868	13%
B591 (Northbound)	64	4224	275	7%
B591 (Southbound)	64	3603	106	3%
Flying Horse Roundabout (N Section)	48	19348	2769	14%
Flying Horse Roundabout (E Section)	48	4295	198	5%
Flying Horse Roundabout (S Section)	48	22477	2550	11%
Flying Horse Roundabout (W Section)	48	2084	191	9%
Stanton Lane	64	4169	460	11%
A511 Little Shaw Lane (Eastbound) (40 mph)	64	15915	2448	15%
A511 Little Shaw Lane (Eastbound) (50 mph)	80	15915	2448	15%
A511 Little Shaw Lane (Westbound) (50 mph)	80	16507	2726	17%
A511 Little Shaw Lane (Westbound) (40 mph)	64	16507	2726	17%
A511 Bardon Road (Westbound)	80	11401	1137	10%
A511 Bardon Road (Eastbound)	80	11754	1286	11%
M1 junction 22 (Between A511 lips)	80	10039	774	8%
M1 junction 22 (Between M1 (N) lips)	80	16860	2039	12%
M1 junction 22 (Between A50 slips)	80	10174	1996	20%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 junction 22 (Between M1 (S) slips)	80	21933	2068	9%
M1 junction 22 (Between Cliffe Lane)	80	21584	2075	10%
M1 junction 22 (Northbound on slip)	80	11766	1414	12%
M1 junction 22 (Northbound on slip)	113	11766	1414	12%
M1 junction 22 (Southbound off slip)	113	13670	1599	12%
M1 junction 22 (Southbound off slip)	80	13670	1599	12%
A50 (Eastbound)	80	17119	1382	8%
A50 (Eastbound)	113	17119	1382	8%
A50 (Westbound)	113	17266	1459	8%
A50 (Westbound)	80	17266	1459	8%
M1 junction 22 (Northbound off slip)	113	7659	1187	15%
M1 junction 22 (Northbound off slip)	80	7659	1187	15%
M1 junction 22 (Southbound on slip)	80	6870	1343	20%
M1 junction 22 (Southbound on slip)	113	6870	1343	20%
M1 (north of junction 22) (Northbound)	113	57069	8120	14%
M1 (north of junction 22) (Southbound)	113	52026	9306	18%
M1 (over junction 22) (Northbound)	113	49475	7669	16%
M1 (over junction 22) (Southbound)	113	49770	7978	16%

Table 8.4.7: 2026 Baseline + Committed Developments + Proposed Construction Traffic

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
Station Road South	64	3849	29	1%
Station Road South	48	3849	29	1%
Station Road North	64	4020	58	1%
Wood Road	80	8157	2261	28%
Bagworth Road	80	4493	120	3%
B585 - Bagworth Road	97	4048	212	5%
B582 - Grange Road	97	3716	240	6%
B582 - Grange Road	64	3716	240	6%
A447 - Ibstock Road South	80	10327	565	5%
A447 - Ibstock Road North	80	15046	537	4%
Ibstock Road West (Unnamed)	80	0	0	0%
A447 - Hinckley Road	80	10137	308	3%
A447 - Hinckley Road	48	10137	308	3%
A447 - Melbourne Road	48	10137	308	3%
Station Road, Ibstock	48	3428	48	1%
A447 - Hinckley Road	80	10137	308	3%
Bagworth Road	48	4493	120	3%
B585	64	11903	2482	21%
Ellistown Terrace Road	64	3783	435	12%
Victoria Road	64	11732	3004	26%
A447 -Ashby Road (Stapleton)	64	12450	530	4%
A447 -Ashby Road (Stapleton)	48	12450	530	4%
West Lane	80	9885	2389	24%
B585 -West Lane	48	9713	1049	11%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
B585 Beveridge Lane (Westbound)	97	14463	2150	15%
A511 Shaw Lane (Westbound) to B585 Beveridge Lane Slip	48	11636	2295	20%
A511 Bardon Road (Eastbound) to B585 Beveridge Lane Slip	48	631	285	45%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SW Section)	48	10984	989	9%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NW Section)	48	11685	2599	22%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (NE Section)	48	23440	3884	17%
A511 Shaw Lane / B585 Beveridge Lane Roundabout (SE Section)	48	837	327	39%
A511 Shaw Lane (Westbound) to A511 Bardon Road	113	10864	961	9%
A511 Shaw Lane (Westbound)	113	22500	3255	14%
A511 Shaw Lane (Eastbound)	113	22825	3708	16%
B591 (Northbound)	64	4305	275	6%
B591 (Southbound)	64	3683	106	3%
Flying Horse Roundabout (N Section)	48	20462	3609	18%
Flying Horse Roundabout (E Section)	48	4295	198	5%
Flying Horse Roundabout (S Section)	48	23672	3390	14%
Flying Horse Roundabout (W Section)	48	2084	191	9%
Stanton Lane	64	4169	460	11%
A511 Little Shaw Lane (Eastbound) (40 mph)	64	17030	3288	19%
A511 Little Shaw Lane (Eastbound) (50 mph)	80	16944	3273	19%
A511 Little Shaw Lane (Westbound) (50 mph)	80	17536	3551	20%
A511 Little Shaw Lane (Westbound) (40 mph)	64	17622	3565	20%
A511 Bardon Road (Westbound)	80	11624	1288	11%
A511 Bardon Road (Eastbound)	80	11977	1436	12%
M1 junction 22 (Between A511 lips)	80	10039	774	8%
M1 junction 22 (Between M1 (N) lips)	80	16927	2072	12%
M1 junction 22 (Between A50 slips)	80	11137	2789	25%

Link	Speed (Kph)	Total Vehicles	HGV	HGV %
M1 junction 22 (Between M1 (S) slips)	80	22532	2100	9%
M1 junction 22 (Between Cliffe Lane)	80	22614	2469	11%
M1 junction 22 (Northbound on slip)	80	12297	1844	15%
M1 junction 22 (Northbound on slip)	113	12297	1844	15%
M1 junction 22 (Southbound off slip)	113	14201	2029	14%
M1 junction 22 (Southbound off slip)	80	14201	2029	14%
A50 (Eastbound)	80	17187	1415	8%
A50 (Eastbound)	113	17187	1415	8%
A50 (Westbound)	113	17333	1491	9%
A50 (Westbound)	80	17333	1491	9%
M1 junction 22 (Northbound off slip)	113	8090	1549	19%
M1 junction 22 (Northbound off slip)	80	8090	1549	19%
M1 junction 22 (Southbound on slip)	80	7301	1705	23%
M1 junction 22 (Southbound on slip)	113	7301	1705	23%
M1 (north of junction 22) (Northbound)	113	57600	8551	15%
M1 (north of junction 22) (Southbound)	113	52558	9737	19%
M1 (over junction 22) (Northbound)	113	49475	7669	16%
M1 (over junction 22) (Southbound)	113	49770	7978	16%