

Appendix 6-1 Selected Traffic Flow Modelling Results

Table 1: Selected AADT Link Flows

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
M1 Access Route														
A1081 New Airport Way between M1 junction 10 and A1081 London Road	49,667	56,090	56,678	59,302	2,624	4.6%	59,111	62,916	3,805	6.4%	65,462	73,356	7,894	12.1%
M1 Access Rd A1081 to M1 SB	16,413	17,559	17,398	18,026	628	3.6%	18,080	19,031	951	5.3%	21,426	24,054	2,628	12.3%
Junction 10 Roundabout	9,332	11,373	11,774	12,385	611	5.2%	12,325	13,208	883	7.2%	13,285	14,647	1,362	10.3%
Junction 10 Roundabout	14,021	15,164	14,939	15,572	632	4.2%	15,714	16,693	979	6.2%	17,050	19,267	2,217	13.0%
A1081 London Rd between Roundabout and Newlands Rd	15,926	15,954	17,359	17,386	27	0.2%	17,792	18,247	455	2.6%	18,522	18,768	246	1.3%
Access Rd from A1081 London Rd to A1081 New Airport Way WB	5,705	6,012	7,024	6,696	-328	-4.7%	7,433	7,016	-417	-5.6%	9,638	9,232	-405	-4.2%
Access Rd from A1081 London Rd to A1081 New Airport Way EB	5,514	5,557	6,197	5,951	-246	-4.0%	6,292	6,175	-116	-1.9%	6,397	6,277	-120	-1.9%
London Rd between A1081 New Airport Way access road and Cutenhoe Rd	13,484	14,704	16,666	16,026	-640	-3.8%	17,321	16,807	-514	-3.0%	19,659	19,126	-533	-2.7%
A1081 New Airport Way between London Rd slip Rds	38,585	44,346	43,013	46,901	3,888	9.0%	44,596	49,879	5,282	11.8%	47,412	57,094	9,682	20.4%
Access Rd to A1081 London Rd from A1081 New Airport Way EB	5,377	5,731	6,641	5,705	-936	-14.1%	7,081	6,021	-1,061	-15.0%	8,412	7,029	-1,382	-16.4%
A1081 New Airport Way between A1081 London Road and Capability Green Estate	49,658	55,650	55,189	59,123	3,935	7.1%	57,165	62,701	5,536	9.7%	60,028	70,033	10,005	16.7%
Access Rd to A1081 London Rd from A1081 New Airport Way WB	5,558	5,747	5,979	6,271	292	4.9%	6,276	6,647	371	5.9%	6,218	6,662	444	7.1%
A1081 New Airport Way between Capability Green Estate access Rds	39,560	44,484	44,016	47,930	3,914	8.9%	45,771	51,150	5,379	11.8%	48,990	58,554	9,564	19.5%
A1081 New Airport Way between Capability Green Estate and B653	47,395	52,778	52,640	56,480	3,839	7.3%	54,713	59,839	5,127	9.4%	59,431	68,422	8,991	15.1%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
A1081 New Airport Way between Lower Harpenden Rd and Airport Way	42,441	47,330	46,847	51,657	4,810	10.3%	48,658	54,706	6,048	12.4%	51,295	62,123	10,828	21.1%
Slip off A1081 to B653	9,983	11,247	10,833	11,106	273	2.5%	11,184	11,628	444	4.0%	13,457	13,892	435	3.2%
A1081 New Airport Way between A505 Airport Way and CPAR Road	22,196	25,244	21,227	26,360	5,133	24.2%	21,642	27,350	5,708	26.4%	22,148	32,006	9,858	44.5%
A1081 New Airport Way between CPAR Road and Percival Way	22,196	25,244	15,607	19,284	3,677	23.6%	15,687	14,912	-775	-4.9%	15,680	14,669	-1,012	-6.5%
M1 Between J10 and J11	128,479	143,330	150,512	151,680	1,168	0.8%	158,382	159,776	1,394	0.9%	171,050	172,484	1,434	0.8%
M1 Access Rd from M1 SB to A1081	9,890	11,993	12,567	13,320	753	6.0%	12,992	13,984	993	7.6%	13,701	15,388	1,688	12.3%
M1 Access Rd A1081 to M1 NB	9,331	11,375	11,775	12,385	609	5.2%	12,326	13,208	882	7.2%	13,262	14,623	1,361	10.3%
Junction 10 Roundabout	23,352	26,539	26,715	27,957	1,242	4.6%	28,041	29,901	1,861	6.6%	30,312	33,890	3,578	11.8%
M1 within J10	109,257	119,961	126,169	125,975	-194	-0.2%	133,064	132,584	-481	-0.4%	144,087	142,472	-1,614	-1.1%
M1 Access Rd from M1 NB to A1081	14,020	15,166	14,941	15,572	631	4.2%	15,716	16,693	977	6.2%	17,025	19,240	2,215	13.0%
M1 Between J9 and J10	139,690	152,641	158,477	159,581	1,104	0.7%	166,862	168,380	1,519	0.9%	182,539	185,768	3,229	1.8%
M1 Between J11 and J11A	111,262	130,811	138,605	139,628	1,022	0.7%	147,408	148,848	1,439	1.0%	160,679	162,450	1,771	1.1%
M1 Between J8 and J9	144,866	155,226	161,574	162,903	1,328	0.8%	169,659	171,584	1,925	1.1%	182,937	186,069	3,132	1.7%
A1(M) Access Route														
A1081 between A1081 New Airport Way and Kimpton Rd	20,327	22,169	25,620	25,297	-323	-1.3%	27,016	27,356	340	1.3%	29,148	30,111	963	3.3%
Airport Way between A505 Vauxhall Way and London Luton Roundabout	6,565	7,398	9,864	11,369	1,505	15.3%	9,804	11,184	1,381	14.1%	9,815	11,485	1,670	17.0%
A505 Vauxhall Way between Kimpton Rd and Eaton Green Rd	27,562	29,416	33,902	32,738	-1,164	-3.4%	35,562	33,732	-1,830	-5.1%	37,876	36,441	-1,435	-3.8%
A505 Vauxhall Way between Eaton Green Rd and	25,463	26,719	26,153	28,906	2,752	10.5%	27,297	30,875	3,579	13.1%	28,643	32,023	3,380	11.8%
A505 Vauxhall Way between A5228 Hitchin Rd and Crawley Green Rd	19,513	21,038	18,428	19,029	601	3.3%	19,017	19,969	952	5.0%	20,924	21,348	424	2.0%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
A505 Stopsley Way between Vauxhall Way and Ashcroft Rd	32,716	34,067	32,990	33,529	538	1.6%	33,939	34,862	924	2.7%	36,122	37,144	1,023	2.8%
A505 Beech Hill between Ashcroft Rd and Great Marlings	23,530	25,193	24,785	25,400	615	2.5%	25,967	26,640	673	2.6%	28,869	30,049	1,180	4.1%
A505 between Lilley Bottom and Pirton Rd	20,844	22,119	21,684	22,228	544	2.5%	22,724	23,357	632	2.8%	25,050	26,220	1,170	4.7%
Upper Tilehouse St between Pirton Rd and A505 Old Park Rd	15,206	16,618	16,799	17,135	336	2.0%	17,519	17,991	472	2.7%	19,426	20,069	643	3.3%
A505 Old Park Rd	12,129	12,820	13,071	13,147	77	0.6%	13,335	13,472	137	1.0%	14,104	14,122	18	0.1%
A606 Park Wy between A505 Paynes Park and A606 Stevenage Rd	28,154	29,686	30,278	30,634	357	1.2%	30,896	31,246	349	1.1%	33,280	34,015	735	2.2%
A505 Paynes Park	10,944	11,411	11,685	11,680	-5	0.0%	11,830	11,877	47	0.4%	12,310	12,320	11	0.1%
A505 EB off slip road to Lilley Bottom	1,330	1,441	1,475	1,510	35	2.3%	1,578	1,712	134	8.5%	1,882	2,017	135	7.2%
Local Roads														
Lower Harpenden Rd between W Hyde Rd and Parkway Rd	12,224	13,264	13,512	13,796	284	2.1%	13,898	14,500	603	4.3%	14,853	15,573	720	4.8%
Gipsy Ln between Luton Retail Park access and Lower Hampton Rd	15,473	16,713	17,125	17,060	-65	-0.4%	17,717	17,998	281	1.6%	18,878	19,234	356	1.9%
Kimpton Rd between Vauxhall Way and Windmill Rd	11,875	12,921	13,788	12,379	-1,409	-10.2%	14,247	13,262	-986	-6.9%	14,944	14,260	-685	-4.6%
Windmill Rd between Manor Rd and Vauxhall Employee Parking access	18,608	19,886	20,797	19,609	-1,188	-5.7%	21,393	20,811	-582	-2.7%	22,354	21,897	-457	-2.0%
A6 Crescent Rd between A505 Hitchin Rd and Crawley Green Rd	2,512	3,018	3,694	3,701	6	0.2%	4,048	3,073	-974	-24.1%	4,602	3,691	-911	-19.8%
Crawley Green Rd between Durham Rd and Devon Rd	14,441	15,111	15,122	16,291	1,169	7.7%	16,029	16,877	848	5.3%	17,047	17,967	921	5.4%
A505 Hitchin Rd between Stockingstone Rd and Pamridge Road	28,757	30,181	16,059	16,442	383	2.4%	16,693	17,676	984	5.9%	17,989	19,045	1,056	5.9%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
A505 Hitchin Rd between Pamridge Road and Vauxhall Way	27,697	29,056	16,915	17,299	383	2.3%	17,549	18,530	980	5.6%	18,865	19,903	1,038	5.5%
Stockingstone Rd between New Bedford Rd and A505 Hitchin Rd	22,147	23,775	14,915	15,335	420	2.8%	15,609	16,353	745	4.8%	16,939	17,697	758	4.5%
Eaton Green Rd between Vauxhall Way and Frank Lester Way	13,221	15,181	11,962	10,856	-1,106	-9.2%	12,554	10,503	-2,051	-16.3%	13,401	11,207	-2,194	-16.4%
Eaton Green Rd between Frank Lester Way and Lalleford Rd	8,947	10,488	6,835	4,937	-1,898	-27.8%	7,375	3,241	-4,134	-56.1%	8,077	4,213	-3,864	-47.8%
Lalleford Rd between Lyneham Rd and Eaton Green Rd	407	601	494	809	315	63.6%	590	543	-47	-7.9%	742	306	-436	-58.7%
<u>Eaton Green Rd between Lalleford Rd and CPAR link</u>	8,892	10,262	6,814	4,590	-2,224	-32.6%	7,264	3,162	-4,103	-56.5%	7,839	4,343	-3,496	-44.6%
Crawley Green Rd between Vauxhall Way and Ashcroft Road	15,615	16,143	16,364	17,016	652	4.0%	17,798	18,855	1,057	5.9%	18,409	20,175	1,766	9.6%
Crawley Green Rd between Wigmore Ln and Lalleford Rd	12,227	13,039	13,891	14,936	1,045	7.5%	15,596	16,673	1,078	6.9%	16,272	16,857	584	3.6%
Wigmore Ln between Crawley Green Rd and Twyford Dr	8,295	8,940	9,105	9,453	348	3.8%	9,593	9,213	-381	-4.0%	10,753	10,603	-151	-1.4%
Wigmore Ln between Crawley Green Rd and Hayling Dr	12,238	13,080	13,185	13,346	160	1.2%	13,769	12,960	-808	-5.9%	14,302	14,027	-275	-1.9%
<u>Crawley Green Rd between Wigmore Ln and Hedley Rise</u>	3,927	4,326	4,770	5,409	639	13.4%	7,680	8,877	1,197	15.6%	8,687	9,892	1,205	13.9%
Eaton Green Rd between Colwell Rise and Darley Rd	2,947	3,459	3,770	3,785	14	0.4%	3,880	4,163	283	7.3%	4,400	5,486	1,087	24.7%
Darley Rd between Brick Kiln Way and Mill Way	2,808	3,215	3,379	3,389	10	0.3%	3,515	3,828	313	8.9%	3,777	4,536	759	20.1%
Stony Ln between Darley Rd and Brick Kiln Ln	229	356	501	514	13	2.7%	734	785	50	6.9%	1,118	1,548	429	38.4%
Church Rd between The Heath and Lilley Bottom	1,746	2,094	2,142	2,158	16	0.7%	2,191	2,668	476	21.7%	2,510	3,181	671	26.7%
Lilley Bottom between Church Rd and Stony Ln	902	1,097	1,056	1,092	37	3.5%	1,293	1,512	219	17.0%	1,713	1,970	256	15.0%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
Stony Ln between Brick Kiln Ln and Lilley Bottom	646	837	937	999	62	6.7%	1,211	1,418	207	17.1%	1,684	2,261	577	34.2%
Brick Kiln Ln between Stony Ln and Chalk Hill	506	594	546	604	58	10.6%	845	1,083	238	28.1%	1,061	1,310	249	23.4%
Chalk Hill between Brick Kiln Ln and Lilley Bottom	835	933	1,529	1,605	76	5.0%	2,134	2,190	55	2.6%	2,542	3,124	581	22.9%
The Rd near Lodge Farm between Stony Ln and King's Walden Rd	973	1,158	1,285	1,361	75	5.9%	1,446	1,581	135	9.3%	1,914	2,421	506	26.4%
Lilley Bottom between Stony Ln and Chalk Hill	899	1,021	974	1,011	37	3.9%	1,085	1,183	98	9.0%	1,347	1,451	104	7.7%
Lilley Bottom between Chalk Hill and Luton White Hill	1,734	1,954	2,502	2,616	114	4.6%	3,219	3,372	153	4.8%	3,889	4,574	685	17.6%
Ashcroft Road between Wigmore Ln and 505 Hitchin Rd	12,546	13,114	14,208	14,326	118	0.8%	14,572	14,865	293	2.0%	14,729	15,488	759	5.2%
Lilley Bottom between West St and A505 Beech Hill EB off Slip	3,862	4,188	5,044	5,165	122	2.4%	5,420	5,531	111	2.1%	6,349	7,061	712	11.2%
Wigmore Ln between Twyford Dr and ASDA access	6,953	7,743	8,141	6,755	-1,386	-17.0%	8,574	5,487	-3,087	-36.0%	9,810	7,491	-2,320	-23.6%
Eaton Green Rd between CPAR link and Wigmore Ln	8,892	10,262	11,763	8,934	-2,829	-24.0%	12,516	8,400	-4,116	-32.9%	13,757	11,086	-2,671	-19.4%
Eaton Green Rd between Wigmore Ln and Colwell Rise	5,514	6,112	6,539	5,969	-571	-8.7%	6,758	5,752	-1,007	-14.9%	7,317	7,290	-27	-0.4%
<u>Ashcroft Road between Wigmore Ln and 505 Hitchin Rd</u>	12,546	13,114	14,208	14,326	118	0.8%	14,572	14,865	293	2.0%	14,729	15,488	759	5.2%
<u>Wigmore Ln between Hayling Dr and Ashcroft Rd</u>	13,282	14,155	14,394	14,553	159	1.1%	14,857	14,141	-716	-4.8%	15,256	15,079	-176	-1.2%
<u>Crawley Green Rd between Ashcroft Road and Lalleford Rd</u>	11,841	12,170	12,403	13,118	715	5.8%	13,843	14,332	489	3.5%	14,157	15,161	1,004	7.1%
Ashcroft Road between Crawley Green Road and Wigmore Lane	4,534	4,840	4,813	4,805	-8	-0.2%	4,950	5,563	613	12.4%	5,324	6,026	701	13.2%
<u>Church St/St Mary's Road between A505 Hitchin Rd and Crawley Green Rd</u>	7,662	8,368	9,105	9,050	-54	-0.6%	9,605	10,880	1,275	13.3%	10,382	11,848	1,466	14.1%
Colwell Rise	2,914	3,045	3,146	2,618	-528	-16.8%	3,293	2,173	-1,119	-34.0%	3,404	2,511	-893	-26.2%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
Luton Rd between Elmtree Ave and Hedley Rise	2,109	2,473	3,020	3,142	122	4.0%	6,193	6,365	172	2.8%	7,248	7,802	555	7.7%
Hedley Rise between Luton Road and Colwell Rise	2,892	2,985	2,893	3,424	531	18.4%	2,845	3,935	1,091	38.3%	2,944	3,764	819	27.8%
Airport Highway Network														
Airport Way between Percival Way and Mid Term Car Park Access	18,494	20,779	18,871	23,488	4,617	24.5%	18,871	18,359	-513	-2.7%	18,864	18,309	-555	-2.9%
Percival Way between Proctor Way and Provost Way	9,898	11,308	3,158	3,619	460	14.6%	3,184	4,105	921	28.9%	3,222	4,242	1,020	31.7%
President Way/CPAR between Car Rental and Frank Lester Way	9,031	10,427	7,880	9,913	2,033	25.8%	8,216	15,007	6,791	82.7%	8,988	20,148	11,161	124.2%
Frank Lester Way between Percival Ln and Eaton Green Rd	9,476	11,258	3,588	2,983	-605	-16.9%	3,591	3,706	115	3.2%	3,580	3,603	23	0.6%
President Way between the access to Harrods Aviation, Hangar 2011 and Long Term Car Park	1,410	1,183	-	-	-	-	-	-	-	-	-	-	-	-
CPAR Link between Car Rental and Eaton Green Road link	-	-	7,442	9,209	1,767	23.7%	7,770	14,437	6,667	85.8%	8,634	19,510	10,877	126.0%
CPAR Link between Provost Way and Frank Lester Way	-	-	8,141	9,663	1,522	18.7%	8,570	14,667	6,097	71.1%	9,435	19,697	10,262	108.8%
CPAR Link between A1081 and Provost Way	-	-	6,622	8,113	1,491	22.5%	7,039	13,065	6,026	85.6%	7,815	18,067	10,252	131.2%
Eaton Green Road link	-	-	5,028	6,341	1,313	26.1%	5,334	7,651	2,317	43.5%	6,005	9,438	3,433	57.2%
CPAR access road	-	-	3,036	3,287	251	8.3%	3,408	3,848	439	12.9%	4,341	5,198	857	19.7%
Luton Airport T2 access road	-	-	-	-	-	-	-	6,854	6,854	-	-	13,603	13,603	-

Table 2: Selected AM Peak Link Flows

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
M1 Access Route														
A1081 New Airport Way between M1 junction 10 and A1081 London Road	4,124	4,840	4,951	5,071	120	2.4%	5,130	5,291	161	3.1%	5,585	6,048	463	8.3%
M1 Access Rd A1081 to M1 SB	1,316	1,412	1,394	1,397	3	0.2%	1,422	1,427	5	0.4%	1,616	1,713	97	6.0%
Junction 10 Roundabout	544	725	779	798	18	2.3%	805	824	20	2.4%	861	949	88	10.2%
Junction 10 Roundabout	1,254	1,392	1,373	1,435	62	4.5%	1,455	1,518	63	4.4%	1,597	1,765	168	10.5%
A1081 London Rd between Roundabout and Newlands Rd	1,681	1,637	1,755	1,715	-40	-2.3%	1,791	1,776	-15	-0.9%	1,798	1,742	-56	-3.1%
Access Rd from A1081 London Rd to A1081 New Airport Way WB	479	506	548	579	30	5.5%	589	623	34	5.7%	860	806	-54	-6.3%
Access Rd from A1081 London Rd to A1081 New Airport Way EB	806	785	774	754	-20	-2.6%	747	755	8	1.0%	581	580	-1	-0.2%
London Rd between A1081 New Airport Way access road and Cutenhoe Rd	1,095	1,246	1,338	1,344	6	0.4%	1,402	1,431	29	2.0%	1,632	1,596	-36	-2.2%
A1081 New Airport Way between London Rd slip Rds	3,260	3,917	3,896	4,044	149	3.8%	3,983	4,188	205	5.2%	3,988	4,616	629	15.8%
Access Rd to A1081 London Rd from A1081 New Airport Way EB	385	417	507	448	-59	-11.6%	558	480	-78	-14.1%	737	626	-111	-15.1%
A1081 New Airport Way between A1081 London Road and Capability Green Estate	4,565	5,228	5,191	5,335	144	2.8%	5,292	5,528	235	4.4%	5,089	5,730	641	12.6%
Access Rd to A1081 London Rd from A1081 New Airport Way WB	499	526	522	538	16	3.1%	562	584	23	4.0%	521	534	13	2.6%
A1081 New Airport Way between Capability Green Estate access Rds	3,542	4,105	4,101	4,240	139	3.4%	4,206	4,406	200	4.7%	4,509	4,924	415	9.2%

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A1081 New Airport Way between Capability Green Estate and B653	4,342	4,918	4,979	5,106	126	2.5%	5,124	5,279	155	3.0%	6,003	6,165	162	2.7%
A1081 New Airport Way between Lower Harpenden Rd and Airport Way	3,990	4,585	4,506	4,732	226	5.0%	4,619	4,879	260	5.6%	4,752	5,446	694	14.6%
Slip off A1081 to B653	781	861	937	942	4	0.5%	980	984	3	0.3%	1,708	1,393	-315	-18.4%
A1081 New Airport Way between A505 Airport Way and CPAR Road	1,953	2,398	1,890	2,095	205	10.8%	1,917	2,168	250	13.1%	1,979	2,567	588	29.7%
A1081 New Airport Way between CPAR Road and Percival Way	1,953	2,398	1,388	1,396	9	0.6%	1,410	1,024	-386	-27.4%	1,431	1,131	-300	-21.0%
M1 Between J10 and J11	9,819	11,176	11,708	11,750	42	0.4%	12,017	12,079	62	0.5%	12,824	12,896	72	0.6%
M1 Access Rd from M1 SB to A1081	1,010	1,311	1,405	1,441	36	2.6%	1,449	1,522	72	5.0%	1,511	1,622	111	7.3%
M1 Access Rd A1081 to M1 NB	544	726	780	798	18	2.3%	805	825	19	2.4%	862	956	94	10.9%
Junction 10 Roundabout	1,798	2,118	2,153	2,233	80	3.7%	2,260	2,343	83	3.7%	2,459	2,720	261	10.6%
M1 within J10	8,265	9,139	9,522	9,510	-12	-0.1%	9,762	9,733	-29	-0.3%	10,451	10,319	-133	-1.3%
M1 Access Rd from M1 NB to A1081	1,254	1,393	1,373	1,436	62	4.5%	1,456	1,519	63	4.3%	1,598	1,772	174	10.9%
M1 Between J9 and J10	10,836	11,944	12,289	12,342	53	0.4%	12,639	12,678	39	0.3%	13,666	13,804	139	1.0%
M1 Between J11 and J11A	8,368	10,260	10,942	10,982	40	0.4%	11,266	11,321	55	0.5%	12,109	12,225	116	1.0%
M1 Between J8 and J9	11,643	12,621	13,034	13,061	27	0.2%	13,485	13,523	38	0.3%	14,203	14,351	148	1.0%
A1(M) Access Route														
A1081 between A1081 New Airport Way and Kimpton Rd	2,043	2,193	2,616	2,637	21	0.8%	2,702	2,712	10	0.4%	2,774	2,876	103	3.7%
Airport Way between A505 Vauxhall Way and London Luton Roundabout	401	449	767	906	140	18.2%	746	939	193	25.8%	726	983	257	35.4%
A505 Vauxhall Way between Kimpton Rd and Eaton Green Rd	2,397	2,507	3,094	3,033	-61	-2.0%	3,206	3,057	-149	-4.6%	3,256	3,183	-73	-2.2%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
A505 Vauxhall Way between Eaton Green Rd and	2,218	2,271	2,394	2,603	209	8.7%	2,381	2,638	258	10.8%	2,398	2,687	289	12.0%
A505 Vauxhall Way between A5228 Hitchin Rd and Crawley Green Rd	1,359	1,344	1,562	1,621	59	3.8%	1,600	1,682	82	5.2%	1,694	1,738	44	2.6%
A505 Stopsley Way between Vauxhall Way and Ashcroft Rd	2,993	3,017	2,975	3,007	32	1.1%	3,009	3,089	80	2.7%	3,071	3,167	96	3.1%
A505 Beech Hill between Ashcroft Rd and Great Marlings	2,277	2,402	2,394	2,447	53	2.2%	2,503	2,538	35	1.4%	2,696	2,748	52	1.9%
A505 between Lilley Bottom and Pirton Rd	2,085	2,182	2,150	2,193	43	2.0%	2,251	2,301	50	2.2%	2,383	2,444	62	2.6%
Upper Tilehouse St between Pirton Rd and A505 Old Park Rd	1,568	1,689	1,697	1,724	27	1.6%	1,816	1,862	46	2.5%	1,985	1,986	1	0.0%
A505 Old Park Rd	1,092	1,125	1,121	1,119	-1	-0.1%	1,192	1,187	-5	-0.4%	1,232	1,186	-46	-3.7%
A606 Park Wy between A505 Paynes Park and A606 Stevenage Rd	2,535	2,558	2,572	2,592	20	0.8%	2,535	2,563	28	1.1%	2,646	2,718	72	2.7%
A505 Paynes Park	913	878	877	861	-16	-1.8%	862	840	-22	-2.5%	812	789	-23	-2.9%
A505 EB off slip road to Lilley Bottom	45	51	54	56	2	4.4%	60	68	8	14.1%	85	103	18	21.6%
Local Roads														
Lower Harpenden Rd between W Hyde Rd and Parkway Rd	1,240	1,368	1,434	1,422	-12	-0.8%	1,456.4	1,481.1	24.7	1.7%	1532	1567	36	2.3%
Gipsy Ln between Luton Retail Park access and Lower Hampton Rd	1,396	1,412	1,554	1,486	-68	-4.4%	1,566.2	1,568.2	2.0	0.1%	1545	1584	40	2.6%
Kimpton Rd between Vauxhall Way and Windmill Rd	870	939	1,018	900	-118	-11.6%	1,033.3	928.0	-105.3	-10.2%	1100	980	-120	-10.9%
Windmill Rd between Manor Rd and Vauxhall Employee Parking access	1,566	1,576	1,788	1,645	-143	-8.0%	1,829.3	1,681.6	-147.7	-8.1%	1906	1716	-190	-10.0%
A6 Crescent Rd between A505 Hitchin Rd and Crawley Green Rd	161	175	216	214	-2	-0.8%	240.9	216.1	-24.8	-10.3%	277	265	-12	-4.3%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
Crawley Green Rd between Durham Rd and Devon Rd	911	973	1,083	1,170	87	8.1%	1,173.6	1,256.8	83.3	7.1%	1302	1419	117	9.0%
A505 Hitchin Rd between Stockingstone Rd and Pamridge Road	2,181	2,308	1,427	1,512	85	5.9%	1,464.3	1,635.5	171.2	11.7%	1599	1711	112	7.0%
A505 Hitchin Rd between Pamridge Road and Vauxhall Way	2,085	2,205	1,485	1,570	85	5.7%	1,521.9	1,691.0	169.2	11.1%	1656	1768	112	6.7%
Stockingstone Rd between New Bedford Rd and A505 Hitchin Rd	1,834	1,920	1,286	1,367	81	6.3%	1,343.5	1,482.2	138.7	10.3%	1490	1573	84	5.6%
Eaton Green Rd between Vauxhall Way and Frank Lester Way	1,301	1,561	1,004	1,022	18	1.8%	1,138.0	1,103.5	-34.5	-3.0%	1229	1170	-59	-4.8%
Eaton Green Rd between Frank Lester Way and Lalleford Rd	1,260	1,440	691	693	2	0.3%	808.0	438.2	-369.9	-45.8%	857	590	-267	-31.2%
Lalleford Rd between Lyneham Rd and Eaton Green Rd	64	142	83	186	104	125.7%	122.4	37.8	-84.6	-69.1%	180	25	-155	-86.1%
<u>Eaton Green Rd between Lalleford Rd and CPAR link</u>	1,229	1,334	650	547	-103	-15.8%	728.0	445.6	-282.4	-38.8%	724	606	-118	-16.2%
Crawley Green Rd between Vauxhall Way and Ashcroft Road	1,193	1,292	1,620	1,552	-68	-4.2%	1,670.3	1,575.3	-95.0	-5.7%	1687	1742	55	3.3%
Crawley Green Rd between Wigmore Ln and Lalleford Rd	903	1,044	1,346	1,390	44	3.3%	1,439.5	1,377.7	-61.8	-4.3%	1525	1332	-194	-12.7%
Wigmore Ln between Crawley Green Rd and Twyford Dr	1,028	1,039	979	849	-130	-13.3%	1,077.6	823.7	-253.9	-23.6%	1118	855	-263	-23.5%
Wigmore Ln between Crawley Green Rd and Hayling Dr	1,257	1,346	1,332	1,360	28	2.1%	1,377.5	1,212.5	-165.0	-12.0%	1436	1219	-216	-15.1%
<u>Crawley Green Rd between Wigmore Ln and Hedley Rise</u>	386	422	453	535	83	18.3%	666.4	775.4	109.0	16.4%	728	865	137	18.8%
Eaton Green Rd between Colwell Rise and Darley Rd	358	464	438	415	-23	-5.3%	466.8	436.4	-30.3	-6.5%	567	646	79	13.9%
Darley Rd between Brick Kiln Way and Mill Way	323	388	381	373	-8	-2.1%	386.1	377.0	-9.1	-2.4%	400	422	21	5.3%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
Stony Ln between Darley Rd and Brick Kiln Ln	41	83	65	50	-15	-23.7%	111.9	100.8	-11.0	-9.9%	215	278	64	29.6%
Church Rd between The Heath and Lilley Bottom	230	291	273	265	-8	-3.0%	272.1	281.7	9.6	3.5%	281	307	27	9.5%
Lilley Bottom between Church Rd and Stony Ln	104	130	125	126	1	0.9%	163.6	187.2	23.6	14.4%	237	283	46	19.4%
Stony Ln between Brick Kiln Ln and Lilley Bottom	99	149	122	120	-2	-1.8%	191.0	204.8	13.8	7.2%	313	411	98	31.3%
Brick Kiln Ln between Stony Ln and Chalk Hill	63	73	65	78	13	20.0%	110.3	145.4	35.1	31.8%	146	187	41	27.7%
Chalk Hill between Brick Kiln Ln and Lilley Bottom	134	151	216	217	0	0.2%	283.9	279.5	-4.4	-1.6%	314	359	46	14.5%
The Rd near Lodge Farm between Stony Ln and King's Walden Rd	133	177	148	149	1	0.5%	203.6	217.7	14.1	6.9%	331	420	89	26.9%
Lilley Bottom between Stony Ln and Chalk Hill	99	111	106	108	1	1.2%	126.6	135.5	8.9	7.0%	165	185	20	12.2%
Lilley Bottom between Chalk Hill and Luton White Hill	233	262	323	324	2	0.5%	410.5	414.9	4.4	1.1%	478	544	66	13.7%
Ashcroft Road between Wigmore Ln and 505 Hitchin Rd	1,261	1,283	1,352	1,334	-18	-1.4%	1,329.1	1,287.0	-42.1	-3.2%	1322	1258	-63	-4.8%
Lilley Bottom between West St and A505 Beech Hill EB off Slip	533	579	666	675	9	1.3%	717.9	726.4	8.5	1.2%	829	902	73	8.8%
Wigmore Ln between Twyford Dr and ASDA access	908	920	874	737	-138	-15.8%	972.8	607.5	-365.3	-37.6%	1041	740	-301	-28.9%
Eaton Green Rd between CPAR link and Wigmore Ln	1,229	1,334	1,304	984	-320	-24.5%	1,419.8	925.1	-494.7	-34.8%	1539	1166	-373	-24.2%
Eaton Green Rd between Wigmore Ln and Colwell Rise	627	734	731	624	-107	-14.6%	755.1	614.5	-140.7	-18.6%	853	809	-45	-5.2%
<u>Ashcroft Road between Wigmore Ln and 505 Hitchin Rd</u>	1,261	1,283	1,352	1,334	-18	-1.4%	1,329.1	1,287.0	-42.1	-3.2%	1322	1258	-63	-4.8%
<u>Wigmore Ln between Hayling Dr and Ashcroft Rd</u>	1,370	1,461	1,465	1,490	25	1.7%	1,494.5	1,329.9	-164.6	-11.0%	1530	1310	-221	-14.4%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
<u>Crawley Green Rd between Ashcroft Road and Lalleford Rd</u>	842	885	1,242	1,182	-61	-4.9%	1,280.0	1,032.8	-247.2	-19.3%	1269	1124	-144	-11.4%
Ashcroft Road between Crawley Green Road and Wigmore Lane	430	505	478	476	-1	-0.3%	504.2	655.4	151.2	30.0%	544	740	196	36.0%
<u>Church St/St Mary's Road between A505 Hitchin Rd and Crawley Green Rd</u>	546	592	682	675	-6	-1.0%	727.1	788.2	61.1	8.4%	792	876	84	10.6%
Colwell Rise	298	307	327	257	-70	-21.4%	333.1	236.8	-96.4	-28.9%	344	244	-100	-29.1%
Luton Rd between Elmtree Ave and Hedley Rise	254	288	341	354	13	3.9%	573.8	594.9	21.1	3.7%	651	721	70	10.8%
Hedley Rise between Luton Road and Colwell Rise	263	270	247	318	71	28.8%	246.0	341.1	95.1	38.6%	250	343	93	37.1%
Airport Highway Network														
Airport Way between Percival Way and Mid Term Car Park Access	1,234	1,691	1,536	1,617	81	5.2%	1,536	1,216	-320	-20.8%	1,536	1,364	-172	-11.2%
Percival Way between Proctor Way and Provost Way	1,217	1,374	298	353	55	18.4%	302	406	104	34.4%	311	419	108	34.7%
President Way/CPAR between Car Rental and Frank Lester Way	874	1,059	824	967	143	17.3%	867	1,340	473	54.5%	992	1,730	738	74.4%
Frank Lester Way between Percival Ln and Eaton Green Rd	1,240	1,433	134	144	10	7.5%	134	179	45	33.8%	151	201	50	32.8%
President Way between the access to Harrods Aviation, Hangar 2011 and Long Term Car Park	93	96	-	-	-	0.0%	-	-	-	0.0%	-	-	-	0.0%
CPAR Link between Car Rental and Eaton Green Road link	-	-	832	926	94	11.3%	874	1,251	377	43.1%	1,011	1,643	632	62.5%
CPAR Link between Provost Way and Frank Lester Way	-	-	800	938	138	17.2%	836	1,303	466	55.8%	963	1,655	692	71.8%
CPAR Link between A1081 and Provost Way	-	-	676	842	166	24.5%	711	1,202	491	69.0%	823	1,547	724	87.9%
Eaton Green Road link	-	-	657	729	72	10.9%	695	822	127	18.3%	819	907	88	10.7%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
CPAR access road	-	-	299	298	-1	-0.3%	344	349	4	1.3%	457	498	42	9.1%
Luton Airport T2 access road	-	-	-	-	-	0.0%	-	457	457	0.0%	-	1,023	1,023	0.0%

Table 3: Selected PM Peak Link Flows

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
M1 Access Route														
A1081 New Airport Way between M1 junction 10 and A1081 London Road	4,757	5,210	5,338	5,581	244	4.6%	5,498	5,699	200	3.6%	6,562	7,091	528	8.1%
M1 Access Rd A1081 to M1 SB	1,704	1,724	1,719	1,703	-16	-1.0%	1,706	1,675	-31	-1.8%	2,482	2,661	179	7.2%
Junction 10 Roundabout	905	1,148	1,205	1,292	86	7.1%	1,242	1,318	76	6.1%	1,317	1,405	88	6.7%
Junction 10 Roundabout	1,379	1,409	1,431	1,528	97	6.8%	1,524	1,614	90	5.9%	1,629	1,788	159	9.8%
A1081 London Rd between Roundabout and Newlands Rd	1,635	1,673	1,833	1,864	31	1.7%	1,896	2,005	109	5.8%	1,881	1,878	-3	-0.1%
Access Rd from A1081 London Rd to A1081 New Airport Way WB	526	586	711	605	-106	-14.9%	714	566	-148	-20.7%	1,141	1,091	-51	-4.4%
Access Rd from A1081 London Rd to A1081 New Airport Way EB	489	480	540	520	-20	-3.7%	567	537	-30	-5.4%	604	540	-64	-10.5%
London Rd between A1081 New Airport Way access road and Cutenhoe Rd	1,448	1,551	1,651	1,584	-66	-4.0%	1,722	1,659	-64	-3.7%	2,052	1,968	-84	-4.1%
A1081 New Airport Way between London Rd slip Rds	3,633	3,983	3,872	4,309	437	11.3%	3,983	4,430	448	11.2%	4,498	5,199	702	15.6%
Access Rd to A1081 London Rd from A1081 New Airport Way EB	597	642	754	667	-87	-11.6%	802	702	-100	-12.4%	923	800	-123	-13.3%
A1081 New Airport Way between A1081 London Road and Capability Green Estate	4,943	5,313	5,274	5,767	494	9.4%	5,465	5,974	509	9.3%	5,945	6,653	708	11.9%
Access Rd to A1081 London Rd from A1081 New Airport Way WB	820	851	862	939	77	8.9%	916	1,007	92	10.0%	843	913	70	8.3%
A1081 New Airport Way between Capability Green Estate access Rds	3,921	4,176	4,195	4,646	450	10.7%	4,343	4,813	470	10.8%	4,722	5,425	703	14.9%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
A1081 New Airport Way between Capability Green Estate and B653	4,527	4,788	4,896	5,291	395	8.1%	5,040	5,454	413	8.2%	5,410	6,087	677	12.5%
A1081 New Airport Way between Lower Harpenden Rd and Airport Way	4,197	4,452	4,459	5,002	542	12.2%	4,629	5,168	539	11.6%	4,943	5,737	794	16.1%
Slip off A1081 to B653	835	926	931	893	-38	-4.1%	905	890	-15	-1.7%	996	1,037	41	4.1%
A1081 New Airport Way between A505 Airport Way and CPAR Road	2,042	2,188	1,778	2,354	576	32.4%	1,862	2,341	479	25.7%	1,985	2,692	707	35.6%
A1081 New Airport Way between CPAR Road and Percival Way	2,042	2,188	1,055	1,624	569	53.9%	1,059	1,191	131	12.4%	1,108	1,142	33	3.0%
M1 Between J10 and J11	10,728	11,772	12,314	12,423	109	0.9%	12,748	12,833	85	0.7%	13,469	13,539	70	0.5%
M1 Access Rd from M1 SB to A1081	766	928	982	1,059	77	7.8%	1,027	1,092	65	6.4%	1,134	1,235	101	8.9%
M1 Access Rd A1081 to M1 NB	905	1,149	1,206	1,292	86	7.1%	1,243	1,318	76	6.1%	1,309	1,392	83	6.4%
Junction 10 Roundabout	2,283	2,558	2,637	2,820	183	6.9%	2,766	2,932	166	6.0%	2,937	3,180	243	8.3%
M1 within J10	9,058	9,694	10,126	10,072	-53	-0.5%	10,479	10,423	-56	-0.5%	11,026	10,912	-114	-1.0%
M1 Access Rd from M1 NB to A1081	1,378	1,410	1,432	1,528	96	6.7%	1,525	1,615	90	5.9%	1,620	1,773	154	9.5%
M1 Between J9 and J10	12,140	12,809	13,263	13,306	43	0.3%	13,710	13,742	32	0.2%	15,128	15,347	219	1.4%
M1 Between J11 and J11A	9,116	10,579	11,270	11,384	114	1.0%	11,711	11,845	134	1.1%	12,551	12,686	135	1.1%
M1 Between J8 and J9	12,053	12,672	13,205	13,311	106	0.8%	13,731	13,871	140	1.0%	14,841	15,033	192	1.3%
A1(M) Access Route														
A1081 between A1081 New Airport Way and Kimpton Rd	2,161	2,270	2,682	2,648	-34	-1.3%	2,768	2,827	60	2.2%	2,958	3,045	87	2.9%
Airport Way between A505 Vauxhall Way and London Luton Roundabout	390	434	721	883	161	22.4%	720	868	147	20.5%	685	856	171	24.9%
A505 Vauxhall Way between Kimpton Rd and Eaton Green Rd	2,472	2,540	3,109	3,039	-70	-2.3%	3,215	3,092	-123	-3.8%	3,402	3,308	-94	-2.8%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
A505 Vauxhall Way between Eaton Green Rd and	2,281	2,214	2,219	2,331	112	5.0%	2,258	2,490	232	10.3%	2,404	2,523	118	4.9%
A505 Vauxhall Way between A5228 Hitchin Rd and Crawley Green Rd	1,680	1,851	1,559	1,595	36	2.3%	1,562	1,638	76	4.9%	1,690	1,728	38	2.2%
A505 Stopsley Way between Vauxhall Way and Ashcroft Rd	2,835	2,877	2,806	2,828	22	0.8%	2,887	2,920	33	1.1%	3,040	3,095	55	1.8%
A505 Beech Hill between Ashcroft Rd and Great Marlings	2,285	2,375	2,298	2,342	45	1.9%	2,374	2,436	62	2.6%	2,587	2,676	89	3.4%
A505 between Lilley Bottom and Pirton Rd	1,930	1,989	1,959	2,002	43	2.2%	2,012	2,067	55	2.7%	2,195	2,294	99	4.5%
Upper Tilehouse St between Pirton Rd and A505 Old Park Rd	1,526	1,648	1,681	1,708	26	1.6%	1,736	1,787	50	2.9%	1,891	1,965	75	3.9%
A505 Old Park Rd	1,211	1,239	1,237	1,258	21	1.7%	1,209	1,245	37	3.0%	1,232	1,261	29	2.4%
A606 Park Wy between A505 Paynes Park and A606 Stevenage Rd	2,632	2,698	2,712	2,728	16	0.6%	2,745	2,753	8	0.3%	2,789	2,802	13	0.5%
A505 Paynes Park	997	982	974	974	-0	0.0%	973	973	1	0.1%	959	941	-19	-1.9%
A505 EB off slip road to Lilley Bottom	236	246	251	254	3	1.2%	268	288	19	7.2%	312	335	23	7.2%
Local Roads														
Lower Harpenden Rd between W Hyde Rd and Parkway Rd	1,285	1,378	1,432	1,485	53	3.7%	1,489.3	1,574.0	84.7	5.7%	1573	1631	58	3.7%
Gipsy Ln between Luton Retail Park access and Lower Hampton Rd	1,410	1,455	1,599	1,529	-70	-4.4%	1,608.1	1,593.0	-15.1	-0.9%	1679	1695	16	1.0%
Kimpton Rd between Vauxhall Way and Windmill Rd	884	960	988	883	-106	-10.7%	1,030.2	948.3	-81.9	-8.0%	1063	972	-91	-8.6%
Windmill Rd between Manor Rd and Vauxhall Employee Parking access	1,699	1,760	1,914	1,792	-121	-6.3%	1,937.6	1,894.6	-43.0	-2.2%	1996	1967	-29	-1.5%
A6 Crescent Rd between A505 Hitchin Rd and Crawley Green Rd	164	198	242	238	-3	-1.4%	265.2	255.6	-9.6	-3.6%	322	298	-23	-7.3%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
Crawley Green Rd between Durham Rd and Devon Rd	1,253	1,337	1,309	1,407	98	7.5%	1,349.0	1,425.1	76.1	5.6%	1391	1441	50	3.6%
A505 Hitchin Rd between Stockingstone Rd and Pamridge Road	2,594	2,649	1,236	1,298	62	5.1%	1,369.8	1,485.9	116.1	8.5%	1556	1808	252	16.2%
A505 Hitchin Rd between Pamridge Road and Vauxhall Way	2,476	2,534	1,311	1,374	63	4.8%	1,443.9	1,559.8	115.9	8.0%	1630	1871	241	14.8%
Stockingstone Rd between New Bedford Rd and A505 Hitchin Rd	1,949	2,042	1,259	1,306	48	3.8%	1,383.4	1,458.6	75.2	5.4%	1562	1745	183	11.7%
Eaton Green Rd between Vauxhall Way and Frank Lester Way	1,266	1,465	1,304	1,307	2	0.2%	1,359.2	1,189.4	-169.7	-12.5%	1408	1288	-120	-8.5%
Eaton Green Rd between Frank Lester Way and Lalleford Rd	1,110	1,278	737	520	-217	-29.4%	765.6	299.3	-466.2	-60.9%	808	511	-297	-36.8%
Lalleford Rd between Lyneham Rd and Eaton Green Rd	28	32	64	104	40	62.7%	68.8	70.7	1.9	2.8%	71	48	-23	-32.2%
<u>Eaton Green Rd between Lalleford Rd and CPAR link</u>	1,108	1,275	716	454	-262	-36.6%	741.2	268.4	-472.8	-63.8%	785	506	-279	-35.5%
Crawley Green Rd between Vauxhall Way and Ashcroft Road	1,522	1,446	1,370	1,414	43	3.2%	1,469.7	1,639.6	169.9	11.6%	1563	1702	139	8.9%
Crawley Green Rd between Wigmore Ln and Lalleford Rd	1,153	1,196	1,425	1,518	93	6.5%	1,588.1	1,677.2	89.1	5.6%	1666	1589	-77	-4.6%
Wigmore Ln between Crawley Green Rd and Twyford Dr	943	1,051	834	804	-29	-3.5%	915.9	864.3	-51.6	-5.6%	976	847	-129	-13.2%
Wigmore Ln between Crawley Green Rd and Hayling Dr	1,271	1,341	1,397	1,373	-25	-1.8%	1,460.4	1,279.5	-180.9	-12.4%	1528	1327	-201	-13.1%
<u>Crawley Green Rd between Wigmore Ln and Hedley Rise</u>	421	472	538	610	71	13.3%	902.5	1,047.4	145.0	16.1%	1044	1093	49	4.7%
Eaton Green Rd between Colwell Rise and Darley Rd	354	396	452	481	29	6.5%	461.5	492.6	31.1	6.7%	513	637	124	24.2%
Darley Rd between Brick Kiln Way and Mill Way	327	367	356	361	5	1.5%	368.2	377.3	9.1	2.5%	370	410	40	10.9%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
Stony Ln between Darley Rd and Brick Kiln Ln	33	38	105	133	28	26.2%	136.3	165.8	29.5	21.6%	188	296	108	57.8%
Church Rd between The Heath and Lilley Bottom	230	268	247	247	1	0.3%	257.3	279.3	22.0	8.6%	292	301	9	3.0%
Lilley Bottom between Church Rd and Stony Ln	134	172	157	169	12	7.6%	193.2	228.5	35.3	18.2%	247	280	33	13.4%
Stony Ln between Brick Kiln Ln and Lilley Bottom	86	111	180	205	26	14.2%	214.6	256.5	41.9	19.5%	287	397	110	38.5%
Brick Kiln Ln between Stony Ln and Chalk Hill	59	82	84	85	2	1.8%	121.2	141.1	19.9	16.4%	144	170	26	18.3%
Chalk Hill between Brick Kiln Ln and Lilley Bottom	111	126	201	216	15	7.6%	252.8	296.9	44.1	17.4%	312	363	51	16.4%
The Rd near Lodge Farm between Stony Ln and King's Walden Rd	136	152	228	255	26	11.5%	246.7	276.1	29.4	11.9%	311	411	100	32.1%
Lilley Bottom between Stony Ln and Chalk Hill	135	153	131	141	10	7.7%	149.3	168.5	19.2	12.9%	188	202	14	7.3%
Lilley Bottom between Chalk Hill and Luton White Hill	246	279	332	358	25	7.7%	402.1	465.4	63.4	15.8%	500	565	65	13.0%
Ashcroft Road between Wigmore Ln and 505 Hitchin Rd	1,079	1,108	1,151	1,164	12	1.1%	1,221.8	1,217.6	-4.2	-0.3%	1183	1180	-3	-0.2%
Lilley Bottom between West St and A505 Beech Hill EB off Slip	494	535	626	650	24	3.8%	683.6	729.9	46.3	6.8%	789	863	74	9.4%
Wigmore Ln between Twyford Dr and ASDA access	834	950	785	717	-69	-8.7%	865.9	553.0	-312.9	-36.1%	935	748	-187	-20.0%
Eaton Green Rd between CPAR link and Wigmore Ln	1,108	1,275	1,197	1,005	-193	-16.1%	1,280.1	885.1	-395.0	-30.9%	1402	1184	-217	-15.5%
Eaton Green Rd between Wigmore Ln and Colwell Rise	643	694	757	720	-37	-4.9%	766.8	635.6	-131.2	-17.1%	822	822	-1	-0.1%
<u>Ashcroft Road between Wigmore Ln and 505 Hitchin Rd</u>	1,079	1,108	1,151	1,164	12	1.1%	1,221.8	1,217.6	-4.2	-0.3%	1183	1180	-3	-0.2%
<u>Wigmore Ln between Hayling Dr and Ashcroft Rd</u>	1,300	1,365	1,422	1,403	-19	-1.3%	1,477.5	1,316.4	-161.1	-10.9%	1501	1334	-167	-11.1%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
<u>Crawley Green Rd between Ashcroft Road and Lalleford Rd</u>	1,126	1,039	979	1,026	47	4.8%	1,085.7	1,155.2	69.5	6.4%	1130	1138	8	0.7%
Ashcroft Road between Crawley Green Road and Wigmore Lane	480	500	485	483	-2	-0.4%	493.8	617.6	123.9	25.1%	551	671	119	21.7%
<u>Church St/St Mary's Road between A505 Hitchin Rd and Crawley Green Rd</u>	590	633	695	683	-12	-1.7%	729.9	768.1	38.3	5.2%	808	878	71	8.7%
Colwell Rise	323	334	343	279	-64	-18.8%	343.6	220.0	-123.6	-36.0%	349	274	-75	-21.5%
Luton Rd between Elmtree Ave and Hedley Rise	262	312	388	399	11	2.9%	766.1	807.7	41.6	5.4%	912	933	21	2.3%
Hedley Rise between Luton Road and Colwell Rise	282	287	278	341	63	22.5%	283.5	400.2	116.7	41.2%	293	355	62	21.2%
Airport Highway Network														
Airport Way between Percival Way and Mid Term Car Park Access	1,476	1,414	1,281	1,960	678	52.9%	1,282	1,455	173	13.5%	1,280	1,392	112	8.7%
Percival Way between Proctor Way and Provost Way	1,196	1,375	251	293	42	16.6%	255	336	81	31.8%	273	342	69	25.2%
President Way/CPAR between Car Rental and Frank Lester Way	800	897	746	983	237	31.8%	815	1,340	524	64.3%	941	1,692	751	79.9%
Frank Lester Way between Percival Ln and Eaton Green Rd	1,153	1,376	536	387	-148	-27.7%	564	422	-142	-25.2%	578	422	-156	-26.9%
President Way between the access to Harrods Aviation, Hangar 2011 and Long Term Car Park	116	82	-	-	-	0.0%	-	-	-	0.0%	-	-	-	0.0%
CPAR Link between Car Rental and Eaton Green Road link	-	-	723	942	219	30.3%	793	1,318	525	66.2%	920	1,665	744	80.9%
CPAR Link between Provost Way and Frank Lester Way	-	-	965	1,016	51	5.3%	1,055	1,405	350	33.2%	1,199	1,812	613	51.1%
CPAR Link between A1081 and Provost Way	-	-	781	820	39	5.0%	867	1,201	334	38.6%	988	1,603	615	62.2%
Eaton Green Road link	-	-	490	663	174	35.4%	548	761	214	39.0%	626	851	224	35.8%

Road Name	2016 Base	2020 DS	2024 DM	2024 DS	2024 Change	2024 Change	2029 DM	2029 DS	2029 Change	2029 Change	2039 DM	2039 DS	2039 Change	2039 Change
CPAR access road	-	-	308	342	34	10.9%	359	398	39	10.8%	497	556	59	11.9%
Luton Airport T2 access road	-	-	-	-	-	0.0%	-	547	547	0.0%	-	1,042	1,042	0.0%

Table 4: Flow Changes on the Selected Links

Road Name	2024			2029			2039		
	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak
M1 Access Route									
A1081 New Airport Way between M1 junction 10 and A1081 London Road	4.6%	2.4%	4.6%	6.4%	3.1%	3.6%	12.1%	8.3%	8.1%
M1 Access Rd A1081 to M1 SB	3.6%	0.2%	-1.0%	5.3%	0.4%	-1.8%	12.3%	6.0%	7.2%
Junction 10 Roundabout	5.2%	2.3%	7.1%	7.2%	2.4%	6.1%	10.3%	10.2%	6.7%
Junction 10 Roundabout	4.2%	4.5%	6.8%	6.2%	4.4%	5.9%	13.0%	10.5%	9.8%
A1081 London Rd between Roundabout and Newlands Rd	0.2%	-2.3%	1.7%	2.6%	-0.9%	5.8%	1.3%	-3.1%	-0.1%
Access Rd from A1081 London Rd to A1081 New Airport Way WB	-4.7%	5.5%	-14.9%	-5.6%	5.7%	-20.7%	-4.2%	-6.3%	-4.4%
Access Rd from A1081 London Rd to A1081 New Airport Way EB	-4.0%	-2.6%	-3.7%	-1.9%	1.0%	-5.4%	-1.9%	-0.2%	-10.5%
London Rd between A1081 New Airport Way access road and Cutenhoe Rd	-3.8%	0.4%	-4.0%	-3.0%	2.0%	-3.7%	-2.7%	-2.2%	-4.1%
A1081 New Airport Way between London Rd slip Rds	9.0%	3.8%	11.3%	11.8%	5.2%	11.2%	20.4%	15.8%	15.6%
Access Rd to A1081 London Rd from A1081 New Airport Way EB	-14.1%	-11.6%	-11.6%	-15.0%	-14.1%	-12.4%	-16.4%	-15.1%	-13.3%
A1081 New Airport Way between A1081 London Road and Capability Green Estate	7.1%	2.8%	9.4%	9.7%	4.4%	9.3%	16.7%	12.6%	11.9%
Access Rd to A1081 London Rd from A1081 New Airport Way WB	4.9%	3.1%	8.9%	5.9%	4.0%	10.0%	7.1%	2.6%	8.3%
A1081 New Airport Way between Capability Green Estate access Rds	8.9%	3.4%	10.7%	11.8%	4.7%	10.8%	19.5%	9.2%	14.9%
A1081 New Airport Way between Capability Green Estate and B653	7.3%	2.5%	8.1%	9.4%	3.0%	8.2%	15.1%	2.7%	12.5%
A1081 New Airport Way between Lower Harpenden Rd and Airport Way	10.3%	5.0%	12.2%	12.4%	5.6%	11.6%	21.1%	14.6%	16.1%
Slip off A1081 to B653	2.5%	0.5%	-4.1%	4.0%	0.3%	-1.7%	3.2%	-18.4%	4.1%
A1081 New Airport Way between A505 Airport Way and CPAR Road	24.2%	10.8%	32.4%	26.4%	13.1%	25.7%	<u>44.5%</u>	29.7%	<u>35.6%</u>

Road Name	2024			2029			2039		
	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak
A1081 New Airport Way between CPAR Road and Percival Way	23.6%	0.6%	53.9%	-4.9%	-27.4%	12.4%	-6.5%	-21.0%	3.0%
M1 Between J10 and J11	0.8%	0.4%	0.9%	0.9%	0.5%	0.7%	0.8%	0.6%	0.5%
M1 Access Rd from M1 SB to A1081	6.0%	2.6%	7.8%	7.6%	5.0%	6.4%	12.3%	7.3%	8.9%
M1 Access Rd A1081 to M1 NB	5.2%	2.3%	7.1%	7.2%	2.4%	6.1%	10.3%	10.9%	6.4%
Junction 10 Roundabout	4.6%	3.7%	6.9%	6.6%	3.7%	6.0%	11.8%	10.6%	8.3%
M1 within J10	-0.2%	-0.1%	-0.5%	-0.4%	-0.3%	-0.5%	-1.1%	-1.3%	-1.0%
M1 Access Rd from M1 NB to A1081	4.2%	4.5%	6.7%	6.2%	4.3%	5.9%	13.0%	10.9%	9.5%
M1 Between J9 and J10	0.7%	0.4%	0.3%	0.9%	0.3%	0.2%	1.8%	1.0%	1.4%
M1 Between J11 and J11A	0.7%	0.4%	1.0%	1.0%	0.5%	1.1%	1.1%	1.0%	1.1%
M1 Between J8 and J9	0.8%	0.2%	0.8%	1.1%	0.3%	1.0%	1.7%	1.0%	1.3%
A1(M) Access Route									
A1081 between A1081 New Airport Way and Kimpton Rd	-1.3%	0.8%	-1.3%	1.3%	0.4%	2.2%	3.3%	3.7%	2.9%
Airport Way between A505 Vauxhall Way and London Luton Roundabout	15.3%	18.2%	22.4%	14.1%	25.8%	20.5%	17.0%	<u>35.4%</u>	24.9%
A505 Vauxhall Way between Kimpton Rd and Eaton Green Rd	-3.4%	-2.0%	-2.3%	-5.1%	-4.6%	-3.8%	-3.8%	-2.2%	-2.8%
A505 Vauxhall Way between Eaton Green Rd and	10.5%	8.7%	5.0%	13.1%	10.8%	10.3%	11.8%	12.0%	4.9%
A505 Vauxhall Way between A5228 Hitchin Rd and Crawley Green Rd	3.3%	3.8%	2.3%	5.0%	5.2%	4.9%	2.0%	2.6%	2.2%
A505 Stopsley Way between Vauxhall Way and Ashcroft Rd	1.6%	1.1%	0.8%	2.7%	2.7%	1.1%	2.8%	3.1%	1.8%
A505 Beech Hill between Ashcroft Rd and Great Marlings	2.5%	2.2%	1.9%	2.6%	1.4%	2.6%	4.1%	1.9%	3.4%
A505 between Lilley Bottom and Pirton Rd	2.5%	2.0%	2.2%	2.8%	2.2%	2.7%	4.7%	2.6%	4.5%
Upper Tilehouse St between Pirton Rd and A505 Old Park Rd	2.0%	1.6%	1.6%	2.7%	2.5%	2.9%	3.3%	0.0%	3.9%
A505 Old Park Rd	0.6%	-0.1%	1.7%	1.0%	-0.4%	3.0%	0.1%	-3.7%	2.4%

Road Name	2024			2029			2039		
	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak
A606 Park Wy between A505 Paynes Park and A606 Stevenage Rd	1.2%	0.8%	0.6%	1.1%	1.1%	0.3%	2.2%	2.7%	0.5%
A505 Paynes Park	0.0%	-1.8%	0.0%	0.4%	-2.5%	0.1%	0.1%	-2.9%	-1.9%
A505 EB off slip road to Lilley Bottom	2.3%	4.4%	1.2%	8.5%	14.1%	7.2%	7.2%	21.6%	7.2%
Local Roads									
Lower Harpenden Rd between W Hyde Rd and Parkway Rd	2.1%	-0.8%	3.7%	4.3%	1.7%	5.7%	4.8%	2.3%	3.7%
Gipsy Ln between Luton Retail Park access and Lower Hampton Rd	-0.4%	-4.4%	-4.4%	1.6%	0.1%	-0.9%	1.9%	2.6%	1.0%
Kimpton Rd between Vauxhall Way and Windmill Rd	-10.2%	-11.6%	-10.7%	-6.9%	-10.2%	-8.0%	-4.6%	-10.9%	-8.6%
Windmill Rd between Manor Rd and Vauxhall Employee Parking access	-5.7%	-8.0%	-6.3%	-2.7%	-8.1%	-2.2%	-2.0%	-10.0%	-1.5%
A6 Cresnet Rd between A505 Hitchin Rd and Crawley Green Rd	0.2%	-0.8%	-1.4%	-24.1%	-10.3%	-3.6%	-19.8%	-4.3%	-7.3%
Crawley Green Rd between Durham Rd and Devon Rd	7.7%	8.1%	7.5%	5.3%	7.1%	5.6%	5.4%	9.0%	3.6%
A505 Hitchin Rd between Stockingstone Rd and Pamridge Road	2.4%	5.9%	5.1%	5.9%	11.7%	8.5%	5.9%	7.0%	16.2%
A505 Hitchin Rd between Pamridge Road and Vauxhall Way	2.3%	5.7%	4.8%	5.6%	11.1%	8.0%	5.5%	6.7%	14.8%
Stockingstone Rd between New Bedford Rd and A505 Hitchin Rd	2.8%	6.3%	3.8%	4.8%	10.3%	5.4%	4.5%	5.6%	11.7%
Eaton Green Rd between Vauxhall Way and Frank Lester Way	-9.2%	1.8%	0.2%	-16.3%	-3.0%	-12.5%	-16.4%	-4.8%	-8.5%
Eaton Green Rd between Frank Lester Way and Lalleford Rd	-27.8%	0.3%	-29.4%	<u>-56.1%</u>	<u>-45.8%</u>	<u>-60.9%</u>	<u>-47.8%</u>	<u>-31.2%</u>	<u>-36.8%</u>
Lalleford Rd between Lyneham Rd and Eaton Green Rd	<u>63.6%</u>	<u>125.7%</u>	<u>62.7%</u>	-7.9%	<u>-69.1%</u>	2.8%	<u>-58.7%</u>	<u>-86.1%</u>	<u>-32.2%</u>
<u>Eaton Green Rd between Lalleford Rd and CPAR link</u>	<u>-32.6%</u>	<u>-15.8%</u>	<u>-36.6%</u>	<u>-56.5%</u>	<u>-38.8%</u>	<u>-63.8%</u>	<u>-44.6%</u>	<u>-16.2%</u>	<u>-35.5%</u>
Crawley Green Rd between Vauxhall Way and Ashcroft Road	4.0%	-4.2%	3.2%	5.9%	-5.7%	11.6%	9.6%	3.3%	8.9%

Road Name	2024			2029			2039		
	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak
Crawley Green Rd between Wigmore Ln and Lalleford Rd	7.5%	3.3%	6.5%	6.9%	-4.3%	5.6%	3.6%	-12.7%	-4.6%
Wigmore Ln between Crawley Green Rd and Twyford Dr	3.8%	-13.3%	-3.5%	-4.0%	-23.6%	-5.6%	-1.4%	-23.5%	-13.2%
Wigmore Ln between Crawley Green Rd and Hayling Dr	1.2%	2.1%	-1.8%	-5.9%	-12.0%	-12.4%	-1.9%	-15.1%	-13.1%
<u>Crawley Green Rd between Wigmore Ln and Hedley Rise</u>	<u>13.4%</u>	<u>18.3%</u>	<u>13.3%</u>	<u>15.6%</u>	<u>16.4%</u>	<u>16.1%</u>	<u>13.9%</u>	<u>18.8%</u>	4.7%
Eaton Green Rd between Colwell Rise and Darley Rd	0.4%	-5.3%	6.5%	7.3%	-6.5%	6.7%	24.7%	13.9%	24.2%
Darley Rd between Brick Kiln Way and Mill Way	0.3%	-2.1%	1.5%	8.9%	-2.4%	2.5%	20.1%	5.3%	10.9%
Stony Ln between Darley Rd and Brick Kiln Ln	2.7%	-23.7%	26.2%	6.9%	-9.9%	21.6%	<u>38.4%</u>	29.6%	<u>57.8%</u>
Church Rd between The Heath and Lilley Bottom	0.7%	-3.0%	0.3%	21.7%	3.5%	8.6%	26.7%	9.5%	3.0%
Lilley Bottom between Church Rd and Stony Ln	3.5%	0.9%	7.6%	17.0%	14.4%	18.2%	15.0%	19.4%	13.4%
Stony Ln between Brick Kiln Ln and Lilley Bottom	6.7%	-1.8%	14.2%	17.1%	7.2%	19.5%	<u>34.2%</u>	<u>31.3%</u>	<u>38.5%</u>
Brick Kiln Ln between Stony Ln and Chalk Hill	10.6%	20.0%	1.8%	28.1%	<u>31.8%</u>	16.4%	23.4%	27.7%	18.3%
Chalk Hill between Brick Kiln Ln and Lilley Bottom	5.0%	0.2%	7.6%	2.6%	-1.6%	17.4%	22.9%	14.5%	16.4%
The Rd near Lodge Farm between Stony Ln and King's Walden Rd	5.9%	0.5%	11.5%	9.3%	6.9%	11.9%	26.4%	26.9%	<u>32.1%</u>
Lilley Bottom between Stony Ln and Chalk Hill	3.9%	1.2%	7.7%	9.0%	7.0%	12.9%	7.7%	12.2%	7.3%
Lilley Bottom between Chalk Hill and Luton White Hill	4.6%	0.5%	7.7%	4.8%	1.1%	15.8%	17.6%	13.7%	13.0%
Ashcroft Road between Wigmore Ln and 505 Hitchin Rd	0.8%	-1.4%	1.1%	2.0%	-3.2%	-0.3%	5.2%	-4.8%	-0.2%
Lilley Bottom between West St and A505 Beech Hill EB off Slip	2.4%	1.3%	3.8%	2.1%	1.2%	6.8%	11.2%	8.8%	9.4%
Wigmore Ln between Twyford Dr and ASDA access	-17.0%	-15.8%	-8.7%	<u>-36.0%</u>	<u>-37.6%</u>	<u>-36.1%</u>	-23.6%	-28.9%	-20.0%
Eaton Green Rd between CPAR link and Wigmore Ln	-24.0%	-24.5%	-16.1%	<u>-32.9%</u>	<u>-34.8%</u>	<u>-30.9%</u>	-19.4%	-24.2%	-15.5%
Eaton Green Rd between Wigmore Ln and Colwell Rise	-8.7%	-14.6%	-4.9%	-14.9%	-18.6%	-17.1%	-0.4%	-5.2%	-0.1%
<u>Ashcroft Road between Wigmore Ln and 505 Hitchin Rd</u>	0.8%	-1.4%	1.1%	2.0%	-3.2%	-0.3%	5.2%	-4.8%	-0.2%

Road Name	2024			2029			2039		
	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak	AADT	AM Peak	PM Peak
<u>Wigmore Ln between Hayling Dr and Ashcroft Rd</u>	1.1%	1.7%	-1.3%	-4.8%	<u>-11.0%</u>	<u>-10.9%</u>	-1.2%	<u>-14.4%</u>	<u>-11.1%</u>
<u>Crawley Green Rd between Ashcroft Road and Lalleford Rd</u>	5.8%	-4.9%	4.8%	3.5%	<u>-19.3%</u>	6.4%	7.1%	<u>-11.4%</u>	0.7%
Ashcroft Road between Crawley Green Road and Wigmore Lane	-0.2%	-0.3%	-0.4%	12.4%	30.0%	25.1%	13.2%	<u>36.0%</u>	21.7%
<u>Church St/St Mary's Road between A505 Hitchin Rd and Crawley Green Rd</u>	-0.6%	-1.0%	-1.7%	<u>13.3%</u>	8.4%	5.2%	<u>14.1%</u>	<u>10.6%</u>	8.7%
Colwell Rise	-16.8%	-21.4%	-18.8%	<u>-34.0%</u>	-28.9%	<u>-36.0%</u>	-26.2%	-29.1%	-21.5%
Luton Rd between Elmtree Ave and Hedley Rise	4.0%	3.9%	2.9%	2.8%	3.7%	5.4%	7.7%	10.8%	2.3%
Hedley Rise between Luton Road and Colwell Rise	18.4%	28.8%	22.5%	<u>38.3%</u>	<u>38.6%</u>	<u>41.2%</u>	27.8%	37.1%	21.2%
Airport Highway Network									
Airport Way between Percival Way and Mid Term Car Park Access	24.5%	5.2%	<u>52.9%</u>	-2.7%	-20.8%	13.5%	-2.9%	-11.2%	8.7%
Percival Way between Proctor Way and Provost Way	14.6%	18.4%	16.6%	28.9%	<u>34.4%</u>	<u>31.8%</u>	<u>31.7%</u>	<u>34.7%</u>	25.2%
President Way/CPAR between Car Rental and Frank Lester Way	25.8%	17.3%	<u>31.8%</u>	<u>82.7%</u>	<u>54.5%</u>	<u>64.3%</u>	<u>124.2%</u>	<u>74.4%</u>	<u>79.9%</u>
Frank Lester Way between Percival Ln and Eaton Green Rd	-16.9%	7.5%	-27.7%	3.2%	<u>33.8%</u>	-25.2%	0.6%	<u>32.8%</u>	-26.9%
President Way between the access to Harrods Aviation, Hangar 2011 and Long Term Car Park	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CPAR Link between Car Rental and Eaton Green Road link	23.7%	11.3%	<u>30.3%</u>	<u>85.8%</u>	<u>43.1%</u>	<u>66.2%</u>	<u>126.0%</u>	<u>62.5%</u>	<u>80.9%</u>
CPAR Link between Provost Way and Frank Lester Way	18.7%	17.2%	5.3%	<u>71.1%</u>	<u>55.8%</u>	<u>33.2%</u>	<u>108.8%</u>	<u>71.8%</u>	<u>51.1%</u>
CPAR Link between A1081 and Provost Way	22.5%	24.5%	5.0%	<u>85.6%</u>	<u>69.0%</u>	<u>38.6%</u>	<u>131.2%</u>	<u>87.9%</u>	<u>62.2%</u>
Eaton Green Road link	26.1%	10.9%	<u>35.4%</u>	<u>43.5%</u>	18.3%	<u>39.0%</u>	<u>57.2%</u>	10.7%	<u>35.8%</u>
CPAR access road	8.3%	-0.3%	10.9%	12.9%	1.3%	10.8%	19.7%	9.1%	11.9%
Luton Airport T2 access road	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%