

APPENDIX 14.6 - TRAFFIC FLOWS

Verification - 2022					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A633 Grange Lane	64	16770	15905	865	5%
Sheffield Road (north)	64	24660	23857	803	3%
Sheffield Road (south)	97	14600	14236	364	2%
Doncaster Road	48	19327	18532	795	4%

Baseline Year - 2022					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A635 east of Proposed Site Access	97	22560	20264	2295	10%
Barnsley Road	48	6923	6545	378	5%
A635 west of Fields End Roundabout	97	14922	12640	2281	15%
A635 east of Fields End Roundabout	97	14665	12242	2424	17%
A635 west of Proposed Site Access	97	21893	19634	2260	10%
A6195 south of Cathill Roundabout	97	25334	23357	1977	8%
A6195 west of Broomhill Roundabout	97	27206	26166	1040	4%
A6195 north of Cathill Roundabout	97	18090	16688	1402	8%
A635 west of Cathill Roundabout	97	14226	13199	1027	7%
A635	48	14226	13199	1027	7%
A635	64	14226	13199	1027	7%
Between proposed site access roundabout and Billingley Green Lane	97	22607	20300	2306	10%
A6195 west of Hemingfield Road	113	16995	16032	963	6%
A6195 east of Hemingfield Road	113	22706	21440	1266	6%
Manvers Way	64	17079	16110	969	6%

Construction Year Baseline - 2025					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A635 east of Proposed Site Access	97	22560	20264	2295	10.2%
Barnsley Road	48	6923	6545	378	5.5%
A635 west of Fields End Roundabout	97	14922	12640	2281	15.3%
A635 east of Fields End Roundabout	97	14665	12242	2424	16.5%
A635 west of Proposed Site Access	97	21893	19634	2260	10.3%
A6195 south of Cathill Roundabout	97	25334	23357	1977	7.8%

A6195 west of Broomhill Roundabout	97	27206	26166	1040	3.8%
A6195 north of Cathill Roundabout	97	18090	16688	1402	7.8%
A635 west of Cathill Roundabout	97	14226	13199	1027	7.2%
A635	48	14226	13199	1027	7.2%
A635	64	14226	13199	1027	7.2%
Between proposed site access roundabout and Billingley Green Lane	97	22607	20300	2306	10.2%
A6195 west of Hemingfield Road	113	16995	16032	963	5.7%
A6195 east of Hemingfield Road	113	22706	21440	1266	5.6%
Manvers Way	64	17079	16110	969	5.7%

Construction Year + Construction Traffic - 2025					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A635 east of Proposed Site Access	97	23084	20703	2381	10%
Barnsley Road	48	6993	6615	378	5%
A635 west of Fields End Roundabout	97	15182	12815	2367	16%
A635 east of Fields End Roundabout	97	14856	12346	2510	17%
A635 west of Proposed Site Access	97	22512	20081	2431	11%
A6195 south of Cathill Roundabout	97	25692	23603	2089	8%
A6195 west of Broomhill Roundabout	97	27564	26412	1152	4%
A6195 north of Cathill Roundabout	97	18199	16771	1427	8%
A635 west of Cathill Roundabout	97	14378	13316	1062	7%
A635	48	14378	13316	1062	7%
A635	64	14378	13316	1062	7%
Between proposed site access roundabout and Billingley Green Lane	97	23246	20768	2477	11%
A6195 west of Hemingfield Road	113	17353	16278	1075	6%
A6195 east of Hemingfield Road	113	23064	21686	1378	6%
Manvers Way	64	17437	16356	1081	6%

Construction Year + Construction Traffic + Cumulative Developments - 2025					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A635 east of Proposed Site Access	97	25689	23308	2381	9%
Barnsley Road	48	8606	8228	378	4%
A635 west of Fields End Roundabout	97	15997	13629	2367	15%
A635 east of Fields End Roundabout	97	15700	13190	2510	16%
A635 west of Proposed Site Access	97	25051	22620	2431	10%
A6195 south of Cathill Roundabout	97	27968	25879	2089	7%
A6195 west of Broomhill Roundabout	97	29840	28688	1152	4%

A6195 north of Cathill Roundabout	97	19915	18488	1427	7%
A635 west of Cathill Roundabout	97	15363	14301	1062	7%
A635	48	15363	14301	1062	7%
A635	64	15363	14301	1062	7%
Between proposed site access roundabout and Billingley Green Lane	97	25851	23373	2477	10%
A6195 west of Hemingfield Road	113	19629	18554	1075	5%
A6195 east of Hemingfield Road	113	25340	23962	1378	5%
Manvers Way	64	19713	18632	1081	5%

Future Year Baseline - 2026					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A635 east of Proposed Site Access	97	22699	20390	2309	10%
Barnsley Road	48	6966	6586	380	5%
A635 west of Fields End Roundabout	97	15014	12719	2296	15%
A635 east of Fields End Roundabout	97	14756	12317	2439	17%
A635 west of Proposed Site Access	97	22029	19755	2274	10%
A6195 south of Cathill Roundabout	97	25491	23502	1990	8%
A6195 west of Broomhill Roundabout	97	27375	26328	1046	4%
A6195 north of Cathill Roundabout	97	18202	16791	1411	8%
A635 west of Cathill Roundabout	97	14314	13281	1033	7%
A635	48	14314	13281	1033	7%
A635	64	14314	13281	1033	7%
Between proposed site access roundabout and Billingley Green Lane	97	22747	20426	2320	10%
A6195 west of Hemingfield Road	113	17100	16131	969	6%
A6195 east of Hemingfield Road	113	22847	21573	1274	6%
Manvers Way	64	17185	16210	975	6%

Future Year + Development Traffic - 2026					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A635 east of Proposed Site Access	97	25538	22374	3163	12%
Barnsley Road	48	7282	6902	380	5%
A635 west of Fields End Roundabout	97	16658	13508	3150	19%
A635 east of Fields End Roundabout	97	16084	12791	3293	20%
A635 west of Proposed Site Access	97	25752	21777	3976	15%
A6195 south of Cathill Roundabout	97	27715	24614	3101	11%
A6195 west of Broomhill Roundabout	97	29598	27440	2158	7%

A6195 north of Cathill Roundabout	97	18828	17170	1658	9%
A635 west of Cathill Roundabout	97	15188	13811	1377	9%
A635	48	15188	13811	1377	9%
A635	64	15188	13811	1377	9%
Between proposed site access roundabout and Billingley Green Lane	97	26565	22543	4023	15%
A6195 west of Hemingfield Road	113	18638	16676	1962	11%
A6195 east of Hemingfield Road	113	24385	22118	2267	9%
Manvers Way	64	17871	16778	1093	6%

Future Year + Development Traffic + Cumulative Developments - 2026					
Link	Speed (Kph)	Total Vehicles	LDV	HGV	HGV %
A635 east of Proposed Site Access	97	28142	24979	3163	11%
Barnsley Road	48	8895	8515	380	4%
A635 west of Fields End Roundabout	97	17473	14323	3150	18%
A635 east of Fields End Roundabout	97	16928	13635	3293	19%
A635 west of Proposed Site Access	97	28292	24316	3976	14%
A6195 south of Cathill Roundabout	97	29991	26890	3101	10%
A6195 west of Broomhill Roundabout	97	31874	29716	2158	7%
A6195 north of Cathill Roundabout	97	20544	18886	1658	8%
A635 west of Cathill Roundabout	97	16173	14796	1377	9%
A635	48	16173	14796	1377	9%
A635	64	16173	14796	1377	9%
Between proposed site access roundabout and Billingley Green Lane	97	29170	25147	4023	14%
A6195 west of Hemingfield Road	113	20914	18952	1962	9%
A6195 east of Hemingfield Road	113	26661	24394	2267	9%
Manvers Way	64	20147	19054	1093	5%

