



DCO Submission

Environmental Statement

**Chapter 3:** Transport

**Appendix 3.5:** Tables 3.32 to 3.34: 2031 Opening Year Study  
Area ES Traffic Data

Document 6.3E

On behalf of  
**Oxfordshire Railfreight Limited**

Prepared by ADC Infrastructure Ltd  
**March 2026**

Table 3.32: Links included in 2031 Opening Year study area

Link ID	Link Name	Sensitivity of receptors on link
4	M40 J10 NB merge	Negligible
7	Ardley Roundabout circulatory	Low
12	A43 WB on M40 J10 bridge	Low
13	New Link - right turn through Ardley Roundabout	Low
14	New Link - Ardley Roundabout circulatory	Low
15	New Link - Ardley Roundabout circulatory - past Ardley Bypass arm	Low
16	New Link - Ardley Roundabout circulatory	Low
17	New Link - Ardley Roundabout circulatory past B430 arm	Low
22	New Link - Principal Site Access circulatory	Low
23	New Link - Principal Site Access circulatory	Low
24	B430 Station Road (south of Somerton Road)	Medium
25	B430 Station Road (south of Ardley Road)	Medium
26	B430 Station Road (between Ardley Road east and west)	Medium
27	B430 (north of Ardley Road)	Medium
28	New Link - Principal Site Access circulatory	Low
29	New Link - Principal Site Access circulatory	Low
31	New Link - Ardley Bypass	Low
32	New Link - Ardley Bypass NB approach to Ardley Roundabout	Low
33	New Link - Ardley Bypass SB exit from Ardley Roundabout	Low
34	New Link - Estate Road	Low
35	New Link - segregated left turn exit at Principal Site Access	Low
36	New Link - right turn exit at Principal Site Access	Low
37	New Link - estate road entry at Principal Site Access	Low
47	B4030 Heyford Road (between Middleton Stoney and Lower Heyford Road)	Low/Medium
48	B4030 Heyford Road (Middleton Stoney)	High
54	Ardley Road	Low/Medium
55	Unnamed Road between B4030 and Camp Road	Low
56	A41 on-slip at Wendlebury Road	Low
58	Unnamed Road north of Fritwell	Low
59	B4100 Aynho Road between A4260 and Mill Lane	Low/Medium
62	Ardley Road between Somerton and Ardley	Low
63	Somerton Road, Ardley	Very High
64	Mill Road south of Barton Hartshorn junction	Low
65	Mill Road between A421 and Barton Hartshorn junction	Low
68	Somerton Road, Ardley (between Water Lane and Church Road)	Very High
69	Water Lane, Ardley	High
70	Church Road, Ardley	High
71	Station Road between Main Street and Millfield Avenue	Low/Medium
72	A43 EB right turn to MSA and M40 SB at Cherwell Roundabout	Low
91	A41 between Ploughley Road and Morrell Way	Low
92	A41 between Morrell Way and B4011	Low
93	A41 between B4011 and Blackthorn Road	Low
94	A41 between Blackthorn Road and Station Road	Low
95	A41 between Station Road and Townsend	Low
96	A41 between Townsend and Bicester Road	Low
97	A41 between Bicester Road and Kingswood Lane	Low
98	A41 between Kingswood Lane and Creighton Road Roundabout	Low
99	A41 between Creighton Road Roundabout and Blackgrove Road roundabout	Medium
100	A41 between Blackgrove Road roundabout and A4157	Medium
106	B430 Ardley Road (north of Middleton Stoney)	High
127	Link to Bucknell Road	Medium
129	Bicester Road in Bucknell between New Road and Bainton Road	High
141	Upper Heyford Road between Camp Road and new Chilgrove Drive junction	Medium
148	Bicester Road between A4157 and A413 (Aylesbury)	Medium
158	Bucknell Road between Bicester and Bucknell	Medium
160	Ardley Roundabout circulatory (B430 to NB on-slip)	Low
164	Padbury circulatory (between A43 NB exit and entry)	Low
165	B430 NB approach to Ardley Roundabout	Low
166	B430 SB exit from Ardley Roundabout	Low
170	Middleton Road between B4030 and Bucknell	Medium
171	Middleton Road between the Bucknell loading point and Bicester Road	Very High
172	A34 off slip to Wendlebury Road	Low
174	East Street within Firtwell	High
176	Main Street Wendlebury	Very High
177	Oxford Road	Very High
181	Green Lane	Medium
182	Road between A422 and Warkworth Road	Medium
183	Warkworth Road	Medium
184	Upper Astrop Road	Medium
186	Middleton Road between New Row and the Bucknell loading point	Very High
187	Local road to north of B4100	Medium
188	Fewcott Road	High
189	Ardley Road, Ardley	Medium
194	Somerton Road between Sommerton and North Aston	High
195	B4031 though Aynho	High
196	Ardley Road between Water Street and Firtwell Road	Very High
199	The Hale between A41 and Green Lane	Very High
200	East Street, Firtwell	High
201	Buckingham Road between A421 and Gawcott	High
206	Middleton Road, Bucknell	Very High
207	Ardley Road, Ardley	Medium
213	Bucknell Road link	Medium
214	Bucknell Road link	Medium
215	Green Lane	High
216	B4027, Islip	Very High
217	The Hill between Unnamed Road and B4100	Medium

Table 3.33: AADT flows for 2031 Opening Year

Link ID.	RC2A		DS2A		Construction Traffic			Flow Change (or flow for new links) (DS2A-RC2A) + Construction Traffic				OxSRFI dev	
	Total flow	HGV	Total flow	HGV	Total flow	Lights	HGV	Total flow	HGV	% change Total	% change HGV	Total flow	HGV
	4	7275	739	7286	984	89	43	46	100	291	1%	39%	512
7	2149	32	315	0	38	38	0	-1796	-32	-84%	-100%	207	0
12	10246	847	9930	1182	259	157	102	-57	437	-1%	52%	1592	340
13	0	0	2377	785	0	0	0	2377	785	n/a	n/a	0	0
14	5790	58	7869	397	342	240	102	2421	441	42%	760%	1799	341
15	0	0	20266	2791	82	34	48	20348	2839	n/a	n/a	0	0
16	0	0	26344	3746	459	249	210	26803	3956	n/a	n/a	2210	763
17	0	0	24279	3730	295	133	162	24574	3892	n/a	n/a	1873	763
22	0	0	5031	462	190	190	0	5221	462	n/a	n/a	959	0
23	0	0	4072	462	44	44	0	4116	462	n/a	n/a	0	0
24	11454	701	0	0	0	0	0	-11454	-701	-100%	-100%	0	0
25	11578	701	500	0	28	28	0	-11050	-701	-95%	-100%	196	0
26	12254	656	5418	0	71	71	0	-6765	-656	-55%	-100%	482	0
27	11124	621	5717	158	93	93	0	-5314	-483	-48%	-75%	544	0
28	0	0	7286	943	377	215	162	7663	1105	n/a	n/a	2281	748
29	0	0	2284	750	333	171	162	2617	912	n/a	n/a	2281	748
31	0	0	13575	2164	754	430	324	14329	2488	n/a	n/a	4491	1511
32	0	0	6289	1221	377	215	162	6666	1383	n/a	n/a	2210	763
33	0	0	7286	943	377	215	162	7663	1105	n/a	n/a	2281	748
34	0	0	6323	1513	954	630	324	7277	1837	n/a	n/a	6321	1511
35	0	0	2210	763	333	171	162	2543	925	n/a	n/a	2210	763
36	0	0	959	0	145	145	0	1104	0	n/a	n/a	959	0
37	0	0	3154	750	144	144	0	3298	750	n/a	n/a	3152	748
47	9356	135	9079	204	0	0	0	-277	69	-3%	51%	1	1
48	9807	144	9542	214	0	0	0	-265	70	-3%	49%	16	3
54	4039	20	5880	0	43	43	0	1884	-20	47%	-100%	286	0
55	10374	174	10221	319	0	0	0	-153	145	-1%	83%	112	0
56	344	0	345	1	0	0	0	1	1	0%	n/a	1	0
58	1827	0	1229	0	1	1	0	-597	0	-33%	0%	7	0
59	502	0	1129	0	0	0	0	627	0	125%	0%	0	0
62	190	0	626	0	29	29	0	465	0	245%	0%	196	0
63	136	0	530	0	29	29	0	423	0	311%	0%	196	0
64	122	0	58	0	0	0	0	-64	0	-52%	0%	0	0
65	170	0	106	0	0	0	0	-64	0	-38%	0%	0	0
68	489	0	530	0	29	29	0	70	0	14%	0%	196	0
69	408	0	96	0	0	0	0	-312	0	-76%	0%	0	0
70	353	0	0	0	0	0	0	-353	0	-100%	0%	0	0
71	1418	11	552	5	0	0	0	-866	-6	-61%	-55%	0	0
72	2840	497	3310	931	117	9	108	587	542	21%	109%	0	0
91	19962	724	20056	947	27	8	19	121	242	1%	33%	268	215
92	17533	725	17685	946	27	8	19	179	240	1%	33%	263	215
93	13100	604	13219	823	24	5	19	143	238	1%	39%	245	213
94	14106	604	14297	823	24	5	19	215	238	2%	39%	244	213
95	19251	605	19283	824	24	5	19	56	238	0%	39%	244	213
96	14710	460	14930	679	24	5	19	244	238	2%	52%	244	213
97	13644	460	13880	679	23	4	19	259	238	2%	52%	238	212
98	16102	482	16298	702	24	5	19	220	239	1%	50%	245	211
99	12774	523	12952	731	23	4	19	201	227	2%	43%	224	200
100	10967	519	11141	727	21	2	19	195	227	2%	44%	215	200
106	6426	1417	6467	954	73	73	0	114	-463	2%	-33%	1181	0
127	897	20	1175	0	18	18	0	296	-20	33%	-100%	115	0
129	897	20	1175	0	18	18	0	296	-20	33%	-100%	115	0
141	8460	323	6904	166	84	84	0	-1572	-157	-19%	-49%	477	0
148	11044	592	11251	800	23	4	19	230	227	2%	38%	223	199
158	897	20	1175	0	18	18	0	296	-20	33%	-100%	115	0
160	22750	2891	27921	3783	376	166	210	5547	1102	24%	38%	2080	763
164	4072	704	4473	950	89	43	46	490	292	12%	41%	500	246
165	5058	398	3658	120	46	46	0	-1354	-278	-27%	-70%	207	0
166	6066	223	2059	38	47	47	0	-3960	-185	-65%	-83%	337	0
170	2391	0	3974	0	0	0	0	1583	0	66%	0%	2	0
171	2665	0	4267	0	2	2	0	1604	0	60%	0%	13	0
172	2312	3	3049	3	0	0	0	737	0	32%	0%	2	0
174	2236	0	1321	0	7	7	0	-908	0	-41%	0%	43	0
176	1600	0	2250	0	0	0	0	650	0	41%	0%	0	0
177	2050	0	2709	0	0	0	0	659	0	32%	0%	0	0
181	535	0	701	0	0	0	0	166	0	31%	0%	0	0
182	307	0	471	0	0	0	0	164	0	53%	0%	0	0
183	317	0	487	0	0	0	0	170	0	54%	0%	0	0
184	317	0	487	0	0	0	0	170	0	54%	0%	0	0
186	2390	0	3974	0	0	0	0	1584	0	66%	0%	2	0
187	208	5	229	0	0	0	0	21	-5	10%	-100%	20	0
188	2236	0	1321	0	23	23	0	-892	0	-40%	0%	43	0
189	2084	0	1321	0	23	23	0	-740	0	-36%	0%	43	0
194	2330	0	2704	0	28	28	0	402	0	17%	0%	187	0
195	6230	186	6895	196	16	16	0	681	10	11%	5%	111	9
196	3189	0	3830	0	28	28	0	669	0	21%	0%	196	0
199	88	0	97	0	0	0	0	9	0	10%	0%	0	0
200	2891	0	2085	0	7	7	0	-799	0	-28%	0%	21	0
201	2395	0	2149	0	0	0	0	-246	0	-10%	0%	0	0
206	2390	0	3974	0	0	0	0	1584	0	66%	0%	2	0
207	2992	70	2376	71	23	23	0	-593	1	-20%	1%	62	0
213	983	106	1261	86	18	18	0	296	-20	30%	-19%	115	0
214	1060	382	1177	363	11	11	0	128	-19	12%	-5%	69	0
215	2642	52	2995	52	0	0	0	353	0	13%	0%	23	0
216	5556	0	4822	0	0	0	0	-734	0	-13%	0%	48	0
217	3543	9	3010	9	0	0	0	-533	0	-15%	0%	9	0

Table 3.34: 18hr AAWT flows for 2031 Opening Year

Link ID.	RC2A			DS2A with Construction Traffic		
	Total flow	Average flow (per hr)	HGV	Total flow	Average flow (per hr)	HGV
4	6651	370	621	6713	373	868
7	2023	112	28	305	17	0
12	9599	533	741	9335	519	1115
13				2187	122	687
14	5452	303	51	7498	417	429
15				18993	1055	2490
16				24902	1383	3446
17				22814	1267	3384
22				4804	267	428
23				3814	212	428
24	10603	589	648			
25	10718	595	648	474	26	0
26	11344	630	607	5050	281	0
27	10297	572	574	5343	297	146
28				6840	380	951
29				2166	120	773
31				12892	716	2162
32				6052	336	1211
33				6840	380	951
34				6225	346	1560
35				2233	124	787
36				989	55	0
37				2671	148	611
47	8760	487	130	8502	472	197
48	9182	510	140	8934	496	206
54	3810	212	19	5564	309	0
55	9787	544	164	9631	535	303
56	325	18	0	325	18	1
58	1724	96	0	1160	64	0
59	474	26	0	1065	59	0
62	179	10	0	599	33	0
63	128	7	0	508	28	0
64	115	6	0	54	3	0
65	160	9	0	100	6	0
68	461	26	0	508	28	0
69	384	21	0	91	5	0
70	333	19	0	0	0	0
71	1338	74	11	520	29	5
72	2643	147	435	3150	175	901
91	18543	1030	636	18628	1035	837
92	16282	905	636	16423	912	837
93	12182	676	531	12270	682	729
94	13099	728	530	13273	737	729
95	17888	994	531	17915	995	729
96	13667	759	404	13870	771	603
97	12675	704	404	12893	716	602
98	14963	831	424	15143	841	622
99	11863	659	460	12027	668	649
100	10182	566	456	10341	575	645
106	5948	330	1311	5961	331	884
127	847	47	19	1112	62	0
129	847	47	19	1112	62	0
141	7982	443	306	6455	359	158
148	10421	579	563	10613	590	752
158	847	47	19	1112	62	0
160	21245	1180	2530	26293	1461	3478
164	3790	211	616	4189	233	862
165	4682	260	368	3405	189	111
166	5615	312	206	1938	108	35
170	2255	125	0	3749	208	0
171	2514	140	0	4026	224	0
172	2181	121	3	2876	160	3
174	2109	117	0	1249	69	0
176	1509	84	0	2123	118	0
177	1933	107	0	2555	142	0
181	504	28	0	661	37	0
182	290	16	0	444	25	0
183	300	17	0	460	26	0
184	300	17	0	460	26	0
186	2255	125	0	3748	208	0
187	197	11	5	214	12	0
188	2109	117	0	1265	70	0
189	1965	109	0	1265	70	0
194	2198	122	0	2559	142	0
195	5877	327	176	6509	362	185
196	3008	167	0	3622	201	0
199	83	5	0	92	5	0
200	2727	152	0	1973	110	0
201	2258	125	0	2026	113	0
206	2255	125	0	3749	208	0
207	2822	157	67	2260	126	67
213	928	52	101	1194	66	82
214	1002	56	363	1113	62	344
215	2492	138	49	2822	157	49
216	5241	291	0	4544	252	0
217	3342	186	8	2839	158	9