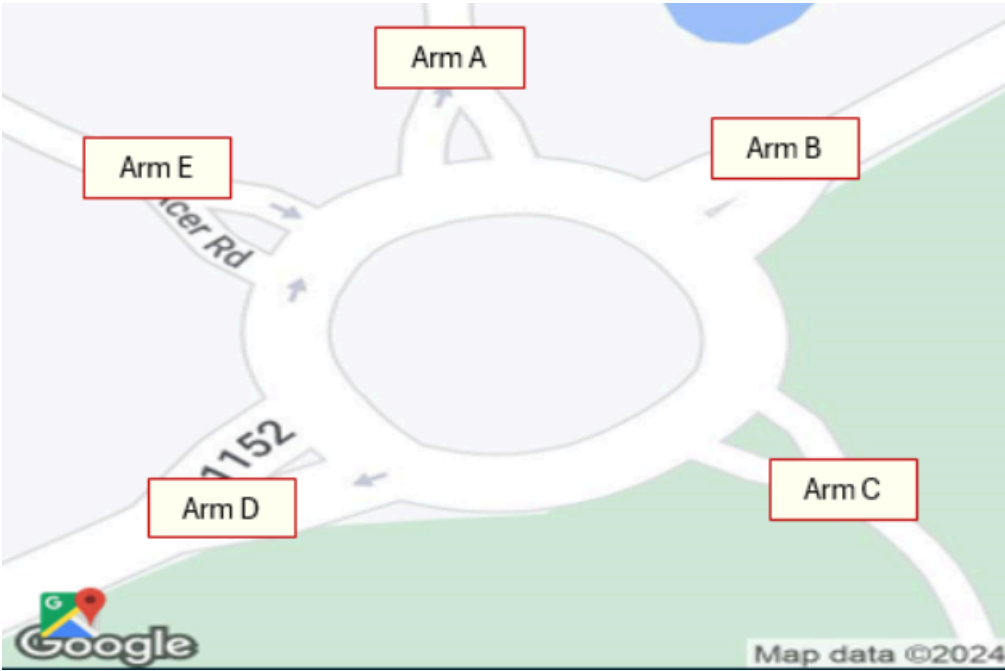# Bentwaters Business Park roundabout: Junction A1152-B1069

Traffic Count Data 18-24 April 2024

LGV

Origin\Dest.	A	B	C	D	E	Total
A		2	120	30	132	31	315
B	101		6	464	795	430	1796
C	20	472		3	638	187	1320
D	142	853	641		4	158	1798
E	28	457	148	136		1	770
Total	293	1908	1286	1705	807	5999

OGV1

Origin\Dest.	A	B	C	D	E	Total
A		0	3	0	3	1	7
B	1		15	86	187	27	316
C	1	93		1	194	13	302
D	5	183	186		2	12	388
E	1	30	5	14		0	50
Total	8	324	278	400	53	1063

OGV2

Origin\Dest.	A	B	C	D	E	Total
A		0	4	0	0	0	4
B	0		13	151	176	3	343
C	0	137		0	229	1	367
D	3	161	227		1	2	394
E	0	1	1	1		0	3
Total	3	316	379	407	6	1111

All Modes

Origin\Dest.	A	B	C	D	E	Total
A	18	903	189	1284	113	**2507**
B	808	60	2329	7612	3822	**14631**
C	183	2254	7	3302	956	**6702**
D	1260	7655	3242	50	1304	**13511**
E	133	3968	911	1327	13	**6352**
Total	**2402**	**14840**	**6678**	**13575**	**6208**	**43703**

Automatic Traffic Counts

When Suffolk County Council built its strategic highway model, data was collected from various locations around the county. One location exists on the A1152 to the southwest of the Bent waters Business Park roundabout. The data from this location is summarised below for comparison with the data collected most recently. A similar level of weekly traffic is observed at approximately 40,000 PCUs passing along the corridor and heavy goods vehicle numbers (OGV1 & OGV2 and Class 3-11) ranging from 1000 to 2000.

The count site location is illustrated below:
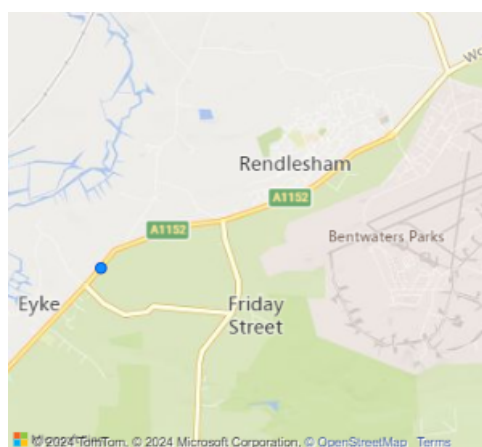
2016 Automatic Traffic Counts (1 week):

Day	Total	Class 1	Class 2	Class 3-11	Class 12	Class 2%	Class3-11A%	Class 12%
Mon	6442	5366	778	232	66	12.1%	3.60%	1.0%
Tue	6960	5769	895	220	76	12.9%	3.16%	1.1%
Wed	6753	5703	826	156	68	12.2%	2.31%	1.0%
Thu	6693	5624	845	157	67	12.6%	2.35%	1.0%
Fri	6658	5615	833	140	70	12.5%	2.10%	1.1%
|Sat	5208	4630	470	87	21	9.0%	1.67%	0.4%
|Sun	4251	3820	372	47	12	8.8%	1.11%	0.3%
Total	**42965**	**36527**	**5019**	**1039**	**380**	**11.7%**	**2.42%**	**0.9%**

Bentwaters Business Park roundabout: Junction A1152-B1069

2023 Automatic Traffic Counts (2 weeks):

Date	Day	Total	Cls1	Cls2	Cls3-11	Cls12	% cls2	% cls3-11	% Cls12
06 September 2021	Mon	6316	5256	807	184	69	12.8%	2.9%	1.1%
07 September 2021	Tue	7335	6114	916	230	75	12.5%	3.1%	1.0%
08 September 2021	Wed	6607	5600	784	148	75	11.9%	2.2%	1.1%
09 September 2021	Thu	6671	5643	806	157	65	12.1%	2.4%	1.0%
10 September 2021	Fri	6774	5727	843	136	68	12.4%	2.0%	1.0%
11 September 2021	Sat	5110	4573	444	74	19	8.7%	1.4%	0.4%
12 September 2021	Sun	4294	3866	390	26	12	9.1%	0.6%	0.3%
13 September 2021	Mon	6555	5474	748	271	62	11.4%	4.1%	0.9%
14 September 2021	Tue	6572	5423	874	198	77	13.3%	3.0%	1.2%
15 September 2021	Wed	6884	5804	866	155	59	12.6%	2.3%	0.9%
16 September 2021	Thu	6705	5604	883	150	68	13.2%	2.2%	1.0%
17 September 2021	Fri	6531	5503	823	133	72	12.6%	2.0%	1.1%
18 September 2021	Sat	5296	4686	496	93	21	9.4%	1.8%	0.4%
19 September 2021	Sun	4200	3774	354	61	11	8.4%	1.5%	0.3%
Total		**85850**	**73047**	**10034**	**2016**	**753**	**11.7%**	**2.3%**	**0.9%**

Junction capacity

ISPA9 flows indicated the junction is not near capacity, with the 2026 (no adjustments) stating 45.55% utilisation and the 2036 (no adjustments) seeing utilisation at 51.67%. Both figures sitting far below the 85% threshold.

Carriageway capacity

Using ISPA9 traffic flows for the AM peak and refining the data to demonstrate the route capacities with PCUs, there are no concerns from the data observed.
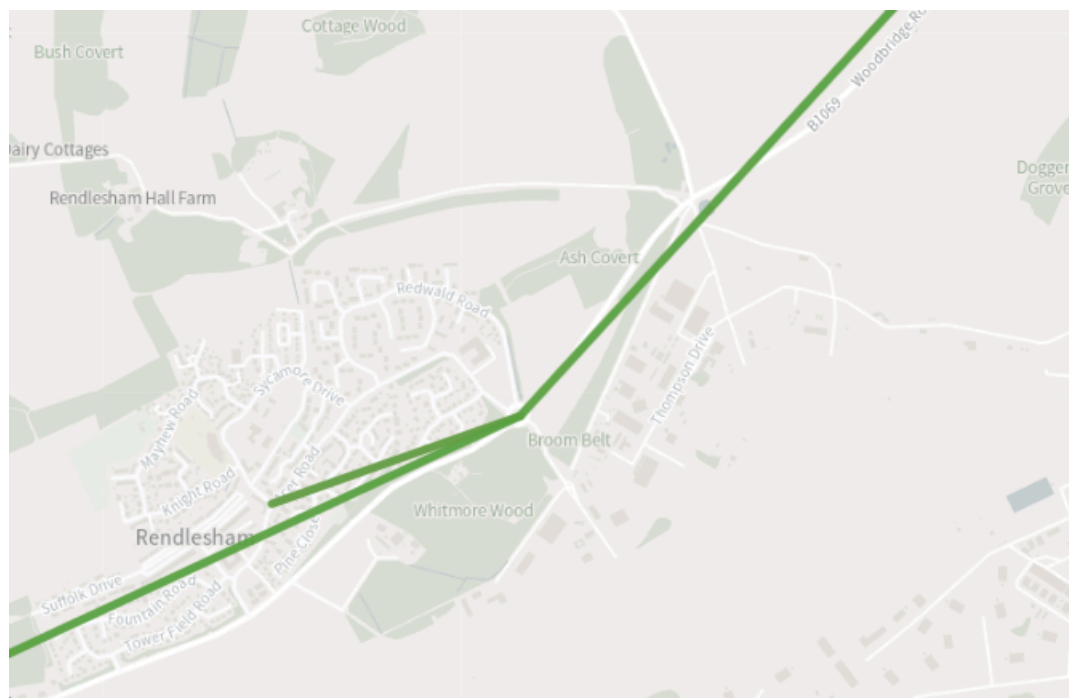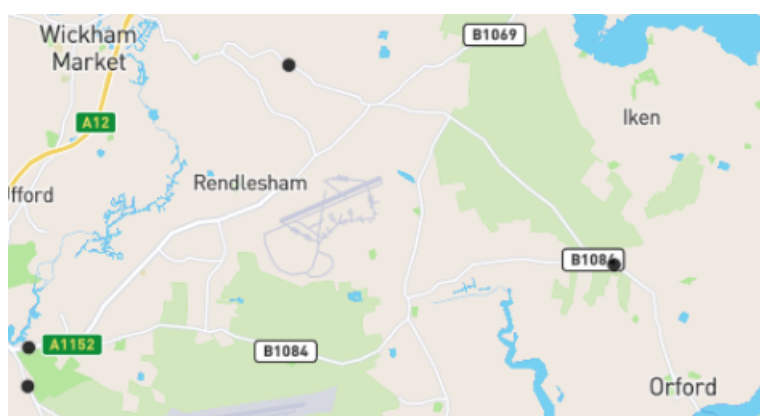
Road Safety

Using SCRIM data and GPS position, five road traffic collisions have been logged, two serious and three slight since 2016. Without having further information into the consistency and details of this collisions it is likely the junction is a low-risk area for road traffic collisions.

Additional Traffic Data - 2016 and 2023

B1078 (2016)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID02591 Site 221.xlsx	Site 221	B1078	Westbound	2016	510	492	176	136	53.9%	42.1%	4.0%
ID02591 Site 221.xlsx	Site 221	B1078	Eastbound	2016	474	467	132	166	47.6%	48.4%	4.1%
Total					**984**	**959**	**308**	**302**	**50.8%**	**45.1%**	**4.1%**

B1078 (2023)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID07085 Site 202.xlsx	Site 202	B1078	Westbound	2023	657	631	196	171	77.3%	17.7%	4.9%
ID07085 Site 202.xlsx	Site 202	B1078	Eastbound	2023	597	579	190	173	81.8%	12.6%	5.6%
Total					**1254**	**1210**	**387**	**344**	**79.5%**	**15.3%**	**5.3%**

B1084 (2016)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID02591 Site 169.xlsx	Site 169	B1084	Eastbound	2016	953	918	280	250	77.0%	19.9%	3.1%
ID02591 Site 169.xlsx	Site 169	B1084	Westbound	2016	898	868	239	198	78.8%	18.0%	3.1%
Total					**1850**	**1786**	**519**	**448**	**77.9%**	**19.0%**	**3.1%**

B1084 (2023)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID07085 Site 152.xlsx	Site 152	B1084	Eastbound	2023	1020	966	307	254	72.3%	20.8%	6.9%
ID07085 Site 152.xlsx	Site 152	B1084	Westbound	2023	983	936	218	185	71.5%	21.5%	7.0%
Total					**2004**	**1902**	**525**	**439**	**71.9%**	**21.1%**	**7.0%**

A1152 (2016)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID02591 Site 175.xlsx	Site 175	A1152 Orford Road	Eastbound	2016	4644	4359	1024	1623	73.4%	22.9%	3.7%
ID02591 Site 175.xlsx	Site 175	A1152 Orford Road	Westbound	2016	4557	4301	1623	1195	64.4%	31.9%	3.7%
Total					**9202**	**8661**	**2647**	**2818**	**68.9%**	**27.3%**	**3.7%**

A1152 (2023)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID07085 Site 158.xlsx	Site 158	A1152 Oxford Road	Eastbound	2023	4731	4375	1187	1438	83.1%	13.3%	3.6%
ID07085 Site 158.xlsx	Site 158	A1152 Oxford Road	Westbound	2023	4574	4246	1511	1183	83.7%	12.5%	3.7%
Total					**9305**	**8621**	**2698**	**2621**	**83.4%**	**12.9%**	**3.7%**

B1083 (2016)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID02591 Site 181.xlsx	Site 181	B1083	Southbound	2016	3432	3287	846	1111	76.5%	20.8%	2.7%
ID02591 Site 181.xlsx	Site 181	B1083	Northbound	2016	3417	3267	1110	861	70.7%	26.0%	3.2%
Total					**6848**	**6554**	**1956**	**1972**	**73.6%**	**23.4%**	**3.0%**

B1083 (2023)

Source.Name	Site	Name	Direction	Year	5 day av	7 day Av	am peak	pm peak	% Car	% LGV	% HGV
ID07085 Site 164.xlsx	Site 164	B1083	Southbound	2023	3990	3854	851	1274	83.0%	12.3%	4.6%
ID07085 Site 164.xlsx	Site 164	B1083	Northbound	2023	3922	3778	1180	994	82.0%	14.1%	3.9%
Total					**7912**	**7631**	**2031**	**2268**	**82.5%**	**13.2%**	**4.3%**