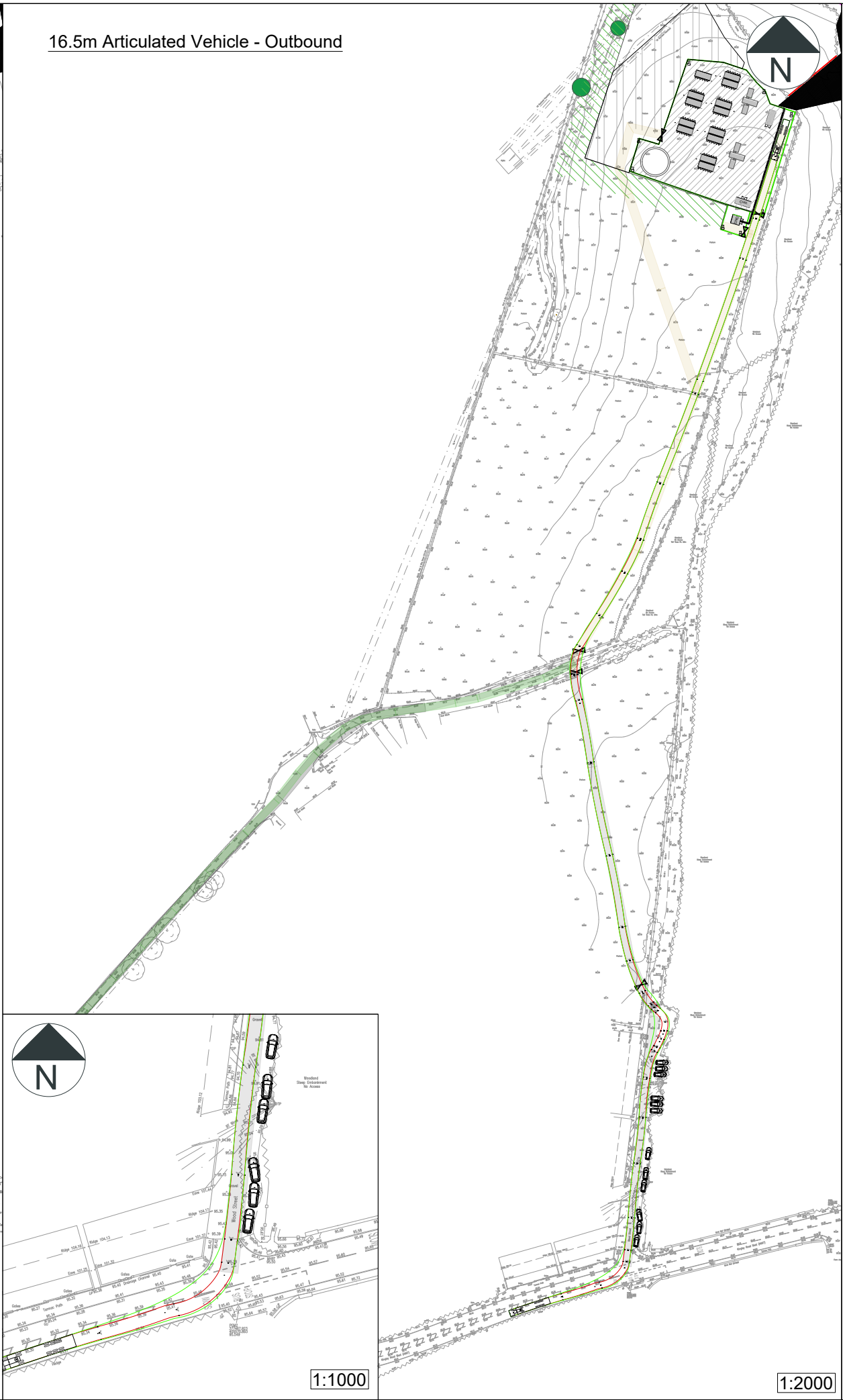


16.5m Articulated Vehicle - Inbound



16.5m Articulated Vehicle - Outbound



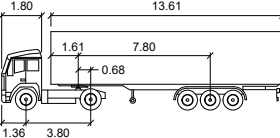
Notes:

1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
2. The site layout has been provided by Low Carbon Alliance (Drawing Number: 121-10003 Rev 14) dated 20.03.25.
3. The topographical survey was received from Latitude Surveys, Drawing no. GPP1011-003, dated 14.11.24.
4. Drawing to be read in conjunction with all other drawings. Any discrepancies are to be reported to the engineer 5 working days in advance of undertaking any work.
5. The layout is subject to detailed design, capacity testing, ground investigations & earth modelling, road safety audit, utilities & services and confirmation of land ownership.
6. Use of the drawing does not absolve the client from their responsibilities in regards to health & safety and CDM regulations.

Key:

- Temporary Access Track
- Maintenance Access
- Access Track

Vehicle Profile



Artic	
Tractor Width : 2.55	Lock to Lock Time : 6.0
Trailer Width : 2.55	Steering Angle : 42.7
Tractor Track : 2.55	Articulating Angle : 70.0
Trailer Track : 2.55	

P03	26.02.25	Updated Site Layout	RC	BQ
P02	14.03.25	Site Layout Added	RC	BQ
P01	10.02.25	Revised Rouing & Swept Path Analysis	RC	RC
Rev	Date	Details	By	Chkd

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Infrastructure and
environmental consultants
rappor.co.uk

CLIENT: Taiyo Power & Storage Ltd

PROJECT: Radcliffe BESS

TITLE: Swept Path Analysis - 16.5m Artic

SCALE @ A3:	DATE:	DRAWN:	CHECKED:	APPROVED:
As Shown	16.01.25	RC	BQ	BQ

STATUS: INFORMATION

DRAWING NO:	REVISION:
240306-RAP-XX-XX-DR-TP-4107	P03



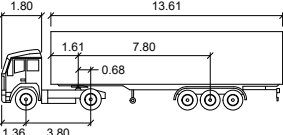
Notes:

1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
2. The topographical survey was received from Latitude Surveys, Drawing no. GPP1011-003, dated 14.11.24.
3. Drawing to be read in conjunction with all other drawings. Any discrepancies are to be reported to the engineer 5 working days in advance of undertaking any work.
4. The layout is subject to detailed design, capacity testing, ground investigations & earth modelling, road safety audit, utilities & services and confirmation of land ownership.
5. Use of the drawing does not absolve the client from their responsibilities in regards to health & safety and CDM regulations.
6. The architect's layout has been provided by Low Carbon Alliance, Drawing Number 121-10003 Rev 012, dated 22.02.25.

Key:

- Temporary Access Track
- Maintenance Access
- Access Track

Vehicle Profile



Artic
meters
Tractor Width : 2.55 Lock to Lock Time : 6.0
Trailer Width : 2.55 Steering Angle : 42.7
Tractor Track : 2.55 Articulating Angle : 70.0
Trailer Track : 2.55

Rev	Date	Details	By	Chkd
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Infrastructure and
environmental consultants
rappor.co.uk

CLIENT:
Taiyo Power & Storage Ltd

PROJECT:
Radcliffe BESS

TITLE:
Swept Path Analysis - 16.5m Artic
Internal

SCALE @ A3:	DATE:	DRAWN:	CHECKED:	APPROVED:
1:500	14.03.25	RC	BQ	BQ

STATUS:
INFORMATION

DRAWING NO:	REVISION:
240306-RAP-XX-XX-DR-TP-4109	-



Appendix G – ATC Data

Radcliffe ATC, A667 Ringley Road West

Direction: Eastbound

Hour Beginning	Sat 13/07/2024	Sun 14/07/2024	Mon 15/07/2024	Tue 16/07/2024	Wed 17/07/2024	Thu 18/07/2024	Fri 19/07/2024	5-Day Ave.	7-Day Ave.
00:00	44	51	44	14	19	21	24	24	31
01:00	26	22	18	11	14	15	11	14	17
02:00	14	19	13	10	13	6	8	10	12
03:00	8	10	8	10	4	8	12	8	9
04:00	8	15	16	8	11	12	12	12	12
05:00	27	23	36	45	53	55	47	47	41
06:00	48	32	127	165	178	173	151	159	125
07:00	108	61	342	392	382	422	381	384	298
08:00	206	98	374	442	428	464	446	431	351
09:00	235	138	301	329	339	295	320	317	280
10:00	311	218	257	249	247	276	276	261	262
11:00	317	259	245	220	284	286	314	270	275
12:00	345	334	272	275	288	279	401	303	313
13:00	347	287	254	280	244	328	329	287	296
14:00	319	322	276	300	308	323	341	310	313
15:00	254	355	355	403	411	359	435	393	367
16:00	313	323	484	554	513	523	490	513	457
17:00	271	250	496	596	561	502	452	521	447
18:00	224	243	266	384	384	317	287	328	301
19:00	168	166	208	205	230	259	227	226	209
20:00	142	68	162	156	184	191	166	172	153
21:00	126	56	106	100	119	143	138	121	113
22:00	92	126	74	81	91	113	122	96	100
23:00	89	64	33	39	43	49	70	47	55
Total 12H(7-19)	3250	2888	3922	4424	4389	4374	4472	4316	3960
16H(6-22)	3734	3210	4525	5050	5100	5140	5154	4994	4559
18H(6-24)	3915	3400	4632	5170	5234	5302	5346	5137	4714
24H(0-24)	4042	3540	4767	5268	5348	5419	5460	5252	4835
AM Peak	11:00 317	11:00 259	08:00 374	08:00 442	08:00 428	08:00 464	08:00 446	08:00 431	08:00 351
PM Peak	13:00 347	15:00 355	17:00 496	17:00 596	17:00 561	16:00 523	16:00 490	17:00 521	16:00 457

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Direction: Westbound

Hour Beginning	Sat 13/07/2024	Sun 14/07/2024	Mon 15/07/2024	Tue 16/07/2024	Wed 17/07/2024	Thu 18/07/2024	Fri 19/07/2024	5-Day Ave.	7-Day Ave.
00:00	45	50	35	10	15	19	21	20	28
01:00	16	14	21	10	15	10	12	14	14
02:00	15	6	11	4	6	4	6	6	7
03:00	8	13	16	8	9	12	10	11	11
04:00	9	8	16	16	13	19	21	17	15
05:00	26	23	53	67	59	64	60	61	50
06:00	48	32	166	197	187	193	191	187	145
07:00	65	45	378	481	498	458	372	437	328
08:00	137	74	425	504	451	441	536	471	367
09:00	199	125	279	311	336	296	359	316	272
10:00	258	182	200	244	238	242	263	237	232
11:00	329	259	273	252	239	277	375	283	286
12:00	353	305	225	270	267	279	405	289	301
13:00	352	261	241	246	282	277	379	285	291
14:00	284	239	261	270	337	306	372	309	296
15:00	267	231	302	326	344	311	357	328	305
16:00	284	245	379	402	443	445	415	417	373
17:00	264	207	342	424	431	495	348	408	359
18:00	250	189	281	288	299	308	285	292	271
19:00	184	159	185	198	229	212	190	203	194
20:00	137	71	166	178	181	188	177	178	157
21:00	112	41	109	131	132	107	145	125	111
22:00	94	143	53	55	78	106	109	80	91
23:00	70	77	33	44	46	53	76	50	57
Total 12H(7-19)	3042	2362	3586	4018	4165	4135	4466	4074	3682
16H(6-22)	3523	2665	4212	4722	4894	4835	5169	4766	4289
18H(6-24)	3687	2885	4298	4821	5018	4994	5354	4897	4437
24H(0-24)	3806	2999	4450	4936	5135	5122	5484	5025	4562
AM Peak	11:00 329	11:00 259	08:00 425	08:00 504	07:00 498	07:00 458	08:00 536	08:00 471	08:00 367
PM Peak	12:00 353	12:00 305	16:00 379	17:00 424	16:00 443	17:00 495	16:00 415	16:00 417	16:00 373

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Direction: Total Flow

Hour Beginning	Sat 13/07/2024	Sun 14/07/2024	Mon 15/07/2024	Tue 16/07/2024	Wed 17/07/2024	Thu 18/07/2024	Fri 19/07/2024	5-Day Ave.	7-Day Ave.
00:00	89	101	79	24	34	40	45	44	59
01:00	42	36	39	21	29	25	23	27	31
02:00	29	25	24	14	19	10	14	16	19
03:00	16	23	24	18	13	20	22	19	19
04:00	17	23	32	24	24	31	33	29	26
05:00	53	46	89	112	112	119	107	108	91
06:00	96	64	293	362	365	366	342	346	270
07:00	173	106	720	873	880	880	753	821	626
08:00	343	172	799	946	879	905	982	902	718
09:00	434	263	580	640	675	591	679	633	552
10:00	569	400	457	493	485	518	539	498	494
11:00	646	518	518	472	523	563	689	553	561
12:00	698	639	497	545	555	558	806	592	614
13:00	699	548	495	526	526	605	708	572	587
14:00	603	561	537	570	645	629	713	619	608
15:00	521	586	657	729	755	670	792	721	673
16:00	597	568	863	956	956	968	905	930	830
17:00	535	457	838	1020	992	997	800	929	806
18:00	474	432	547	672	683	625	572	620	572
19:00	352	325	393	403	459	471	417	429	403
20:00	279	139	328	334	365	379	343	350	310
21:00	238	97	215	231	251	250	283	246	224
22:00	186	269	127	136	169	219	231	176	191
23:00	159	141	66	83	89	102	146	97	112
Total 12H(7-19)	6292	5250	7508	8442	8554	8509	8938	8390	7642
16H(6-22)	7257	5875	8737	9772	9994	9975	10323	9760	8848
18H(6-24)	7602	6285	8930	9991	10252	10296	10700	10034	9151
24H(0-24)	7848	6539	9217	10204	10483	10541	10944	10278	9397
AM Peak	11:00 646	11:00 518	08:00 799	08:00 946	07:00 880	08:00 905	08:00 982	08:00 902	08:00 718
PM Peak	13:00 699	12:00 639	16:00 863	17:00 1020	17:00 992	17:00 997	16:00 905	16:00 930	16:00 830

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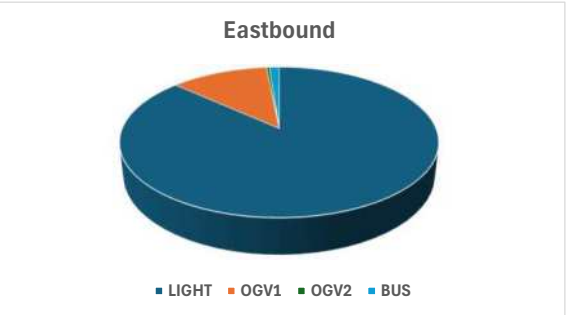


Radcliffe ATC, A667 Ringley Road West

Direction: Eastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Sat 13 Jul 2024	4042	3646	364	4	28
Sun 14 Jul 2024	3540	3259	256	9	16
Mon 15 Jul 2024	4767	4067	633	7	60
Tue 16 Jul 2024	5268	4528	649	21	70
Wed 17 Jul 2024	5348	4601	653	24	70
Thu 18 Jul 2024	5419	4616	703	26	74
Fri 19 Jul 2024	5460	4620	734	27	79
5 Day Ave.	5252	4486	674	21	71
7 Day Ave.	4835	4191	570	17	57

	Total Volume	LIGHT	OGV1	OGV2	BUS
Sat 13 Jul 2024	100.0%	90.2%	9.0%	0.1%	0.7%
Sun 14 Jul 2024	100.0%	92.1%	7.2%	0.3%	0.5%
Mon 15 Jul 2024	100.0%	85.3%	13.3%	0.1%	1.3%
Tue 16 Jul 2024	100.0%	86.0%	12.3%	0.4%	1.3%
Wed 17 Jul 2024	100.0%	86.0%	12.2%	0.4%	1.3%
Thu 18 Jul 2024	100.0%	85.2%	13.0%	0.5%	1.4%
Fri 19 Jul 2024	100.0%	84.6%	13.4%	0.5%	1.4%
5 Day Ave.	100.0%	85.4%	12.8%	0.4%	1.3%
7 Day Ave.	100.0%	86.7%	11.8%	0.3%	1.2%

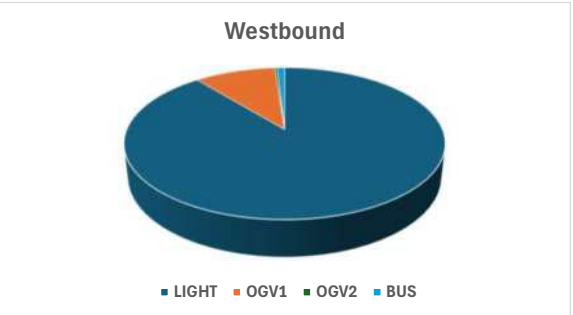
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Direction: Westbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Sat 13 Jul 2024	3806	3513	263	3	27
Sun 14 Jul 2024	2999	2820	167	0	12
Mon 15 Jul 2024	4450	3948	446	12	44
Tue 16 Jul 2024	4936	4356	522	14	44
Wed 17 Jul 2024	5135	4534	527	25	49
Thu 18 Jul 2024	5122	4501	558	15	48
Fri 19 Jul 2024	5484	4766	643	21	54
5 Day Ave.	5025	4421	539	17	48
7 Day Ave.	4562	4063	447	13	40

	Total Volume	LIGHT	OGV1	OGV2	BUS
Sat 13 Jul 2024	100.0%	92.3%	6.9%	0.1%	0.7%
Sun 14 Jul 2024	100.0%	94.0%	5.6%	0.0%	0.4%
Mon 15 Jul 2024	100.0%	88.7%	10.0%	0.3%	1.0%
Tue 16 Jul 2024	100.0%	88.2%	10.6%	0.3%	0.9%
Wed 17 Jul 2024	100.0%	88.3%	10.3%	0.5%	1.0%
Thu 18 Jul 2024	100.0%	87.9%	10.9%	0.3%	0.9%
Fri 19 Jul 2024	100.0%	86.9%	11.7%	0.4%	1.0%
5 Day Ave.	100.0%	88.0%	10.7%	0.3%	1.0%
7 Day Ave.	100.0%	89.1%	9.8%	0.3%	0.9%

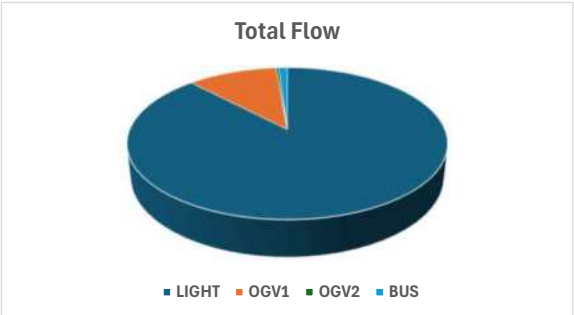
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Sat 13 Jul 2024	7848	7159	627	7	55
Sun 14 Jul 2024	6539	6079	423	9	28
Mon 15 Jul 2024	9217	8015	1079	19	104
Tue 16 Jul 2024	10204	8884	1171	35	114
Wed 17 Jul 2024	10483	9135	1180	49	119
Thu 18 Jul 2024	10541	9117	1261	41	122
Fri 19 Jul 2024	10944	9386	1377	48	133
5 Day Ave.	10278	8907	1214	38	118
7 Day Ave.	9397	8254	1017	30	96

	Total Volume	LIGHT	OGV1	OGV2	BUS
Sat 13 Jul 2024	100.0%	91.2%	8.0%	0.1%	0.7%
Sun 14 Jul 2024	100.0%	93.0%	6.5%	0.1%	0.4%
Mon 15 Jul 2024	100.0%	87.0%	11.7%	0.2%	1.1%
Tue 16 Jul 2024	100.0%	87.1%	11.5%	0.3%	1.1%
Wed 17 Jul 2024	100.0%	87.1%	11.3%	0.5%	1.1%
Thu 18 Jul 2024	100.0%	86.5%	12.0%	0.4%	1.2%
Fri 19 Jul 2024	100.0%	85.8%	12.6%	0.4%	1.2%
5 Day Ave.	100.0%	86.7%	11.8%	0.4%	1.2%
7 Day Ave.	100.0%	87.8%	10.8%	0.3%	1.0%

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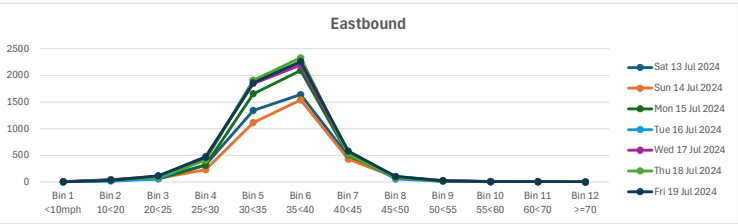


Radcliffe ATC, A667 Ringley Road West

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Sat 13 Jul 2024	4042	41.4	35.6	5.6	5	37	70	318	1342	1641	485	103	26	10	2	3
Sun 14 Jul 2024	3540	41.5	35.8	5.5	1	33	69	231	1114	1541	426	88	22	10	5	0
Mon 15 Jul 2024	4767	40.6	35.6	4.9	0	32	60	313	1656	2094	509	78	17	4	4	0
Tue 16 Jul 2024	5268	40.3	35.3	4.8	1	18	63	422	1908	2240	535	55	13	5	6	2
Wed 17 Jul 2024	5348	40.6	35.1	5.3	9	49	102	476	1850	2197	554	75	25	7	3	1
Thu 18 Jul 2024	5419	40.6	35.3	5.1	1	40	93	410	1907	2332	521	79	18	10	8	0
Fri 19 Jul 2024	5460	40.8	35.3	5.3	4	34	116	466	1860	2261	581	102	22	6	6	2
5 Day Ave.	5252	40.6	35.3	5.1	3	35	87	417	1836	2225	540	78	19	6	5	1
7 Day Ave.	4835	40.8	35.4	5.2	3	35	82	377	1662	2044	516	83	20	7	5	1

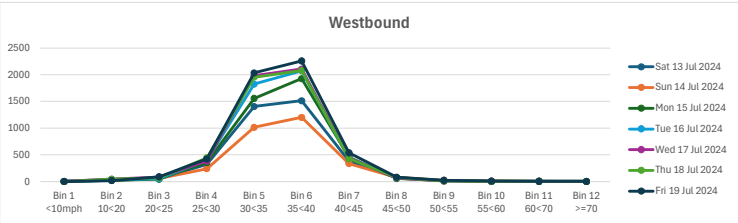
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Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Sat 13 Jul 2024	3806	40.6	35.3	5.1	3	22	52	320	1407	1513	385	79	16	5	3	1
Sun 14 Jul 2024	2999	41.5	35.6	5.7	3	28	57	239	1016	1203	336	75	25	10	6	1
Mon 15 Jul 2024	4450	40.5	35.4	4.9	2	22	47	357	1558	1926	452	58	18	3	5	2
Tue 16 Jul 2024	4936	40.3	35.2	4.9	2	33	54	403	1826	2075	442	71	18	7	3	2
Wed 17 Jul 2024	5135	40.3	35.0	5.0	3	44	84	387	1979	2106	443	67	9	5	4	4
Thu 18 Jul 2024	5122	40.2	35.0	5.0	1	45	71	444	1954	2081	427	76	11	3	7	2
Fri 19 Jul 2024	5484	40.5	35.3	5.0	1	19	90	421	2036	2257	539	81	23	10	5	2
5 Day Ave.	5025	40.4	35.2	5.0	2	33	69	402	1871	2089	461	71	16	6	5	2
7 Day Ave.	4562	40.6	35.3	5.1	2	30	65	367	1682	1880	432	72	17	6	5	2

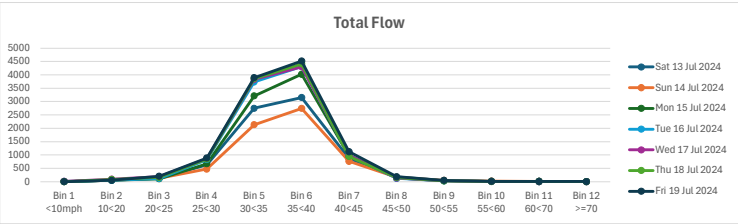
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Sat 13 Jul 2024	7848	41.0	35.4	5.4	8	59	122	638	2749	3154	870	182	42	15	5	4
Sun 14 Jul 2024	6539	41.5	35.7	5.6	4	61	126	470	2130	2744	762	163	47	20	11	1
Mon 15 Jul 2024	9217	40.6	35.5	4.9	2	54	107	670	3214	4020	961	136	35	7	9	2
Tue 16 Jul 2024	10204	40.3	35.3	4.9	3	51	117	825	3734	4315	977	126	31	12	9	4
Wed 17 Jul 2024	10483	40.5	35.1	5.2	12	93	186	863	3829	4303	997	142	34	12	7	5
Thu 18 Jul 2024	10541	40.4	35.1	5.1	2	85	164	854	3861	4413	948	155	29	13	15	2
Fri 19 Jul 2024	10944	40.6	35.3	5.1	5	53	206	887	3896	4518	1120	183	45	16	11	4
5 Day Ave.	10278	40.5	35.3	5.0	5	67	156	820	3707	4314	1001	148	35	12	10	3
7 Day Ave.	9397	40.7	35.3	5.2	5	65	147	744	3345	3924	948	155	38	14	10	3

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Appendix H – Visibility Assessment