

A Planning Application by
MR K KINGSLEY

In respect of
**LAND SOUTH OF LONG ACRE,
LUFENHALL SG2 7PX**

Technical Note

2606-034/TN/01 | July 2026



Document Management

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Document Review

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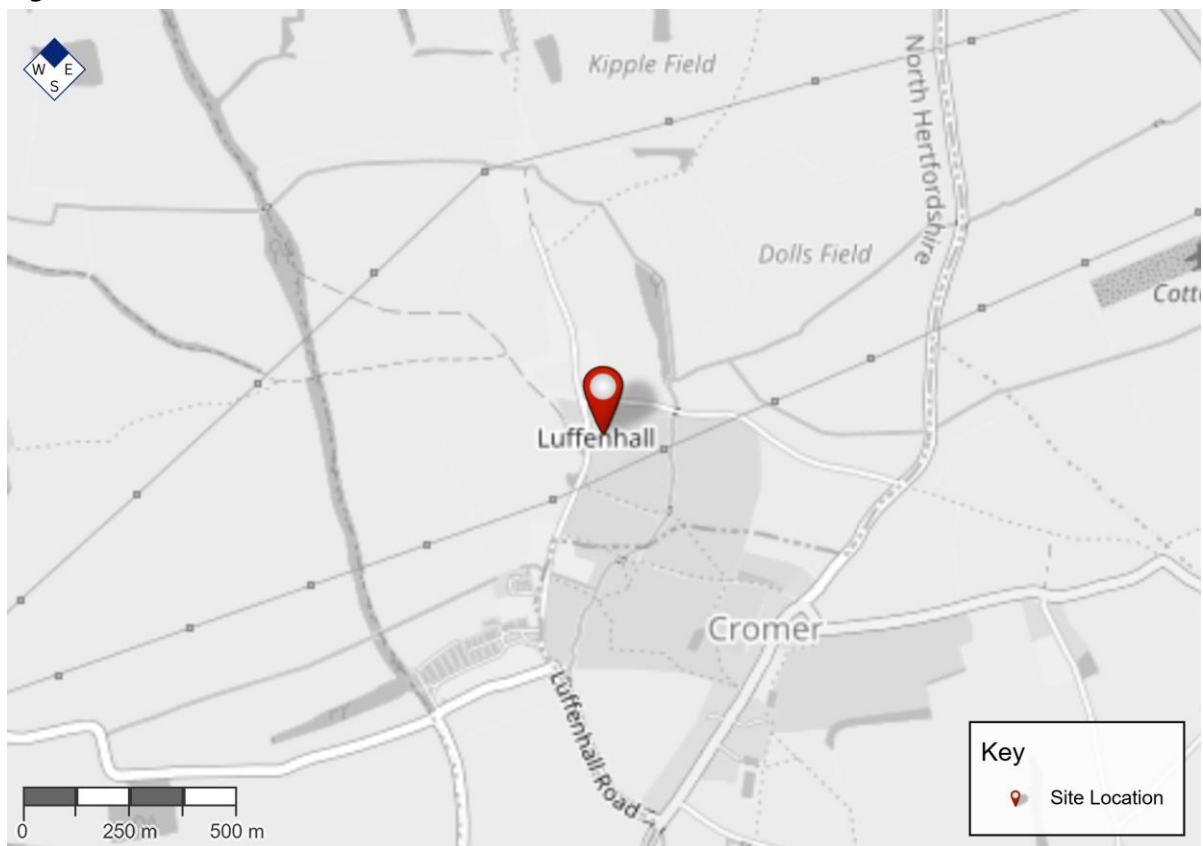
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1 Introduction

- 1.1 Transport Planning Associates has been appointed provide transport and highways advice in relation to the proposed development at Land south of Long Acre, Luffenhall. The scope of the instruction is limited to a review of visibility splays at the site access.
- 1.2 The location of the site is shown in **Figure 1.1**.

Figure 1.1 Site Location Plan



Source: © OpenStreetMap contributors

- 1.3 The speed limit at the access location is 60mph, however the road is narrow and vehicle speeds observed on site are low, this a survey has been commissioned in order to confirm actual speeds and allow calculation of accurate visibility splay requirements.
- 1.4 A vehicle speed survey, in the form of an Automatic Traffic Counter (ATC) has been completed by Paul Castle Associates, in order to allow the calculation of appropriate visibility splays to the south of the access. The full ATC results are provided at **Appendix A**.
- 1.5 The survey shows that 85th percentile northbound speed was 22.3mph and southbound was 19.2mph. This allows the necessary visibility to be calculated utilising Manual for Streets. The splays required are:
- 2.4m x 20m to the north
 - 2.4m x 26m to the south
- 1.6 A plan is provided at **Appendix B**, illustrating that a splay of 2.4m x 50m is available to the south from the access. The plan also indicates that, to the north of the access, a splay of 2.4m x 28m is available.
- 1.7 Visibility splays at the site access are this in excess of those required, based upon the surveyed speeds.

APPENDIX A

Luffenhall ATC

Direction: Northbound

Hour Beginning	Tue 30/06/2026	Wed 01/07/2026	Thu 02/07/2026	Fri 03/07/2026	Sat 04/07/2026	Sun 05/07/2026	Mon 06/07/2026	5-Day Ave.	7-Day Ave.
00:00	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	1	0	0	0
02:00	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0
06:00	1	4	0	0	1	0	0	1	1
07:00	1	2	7	2	1	0	4	3	2
08:00	5	1	2	2	2	1	2	2	2
09:00	3	3	1	3	4	1	5	3	3
10:00	4	5	1	2	3	2	0	2	2
11:00	3	6	2	5	6	1	1	3	3
12:00	5	3	1	5	5	2	3	3	3
13:00	2	7	3	3	3	7	1	3	4
14:00	1	9	3	1	4	2	6	4	4
15:00	5	5	0	4	1	2	4	4	3
16:00	3	7	2	4	7	6	8	5	5
17:00	5	6	3	4	3	1	6	5	4
18:00	4	7	2	5	2	2	3	4	4
19:00	3	4	0	0	4	4	4	2	3
20:00	2	0	3	2	1	1	1	2	1
21:00	0	0	1	1	1	0	0	0	0
22:00	2	1	0	1	1	1	0	1	1
23:00	0	2	0	0	0	0	0	0	0
Total 12H(7-19)	41	61	27	40	41	27	43	42	40
16H(6-22)	47	69	31	43	48	32	48	48	45
18H(6-24)	49	72	31	44	49	33	48	49	47
24H(0-24)	49	72	31	44	49	34	48	49	47
AM Peak	08:00 5	11:00 6	07:00 7	11:00 5	11:00 6	10:00 2	09:00 5	11:00 3	11:00 3
PM Peak	12:00 5	14:00 9	13:00 3	12:00 5	16:00 7	13:00 7	16:00 8	16:00 5	16:00 5

Paul Castle Associates

Direction: Southbound

Hour Beginning	Tue 30/06/2026	Wed 01/07/2026	Thu 02/07/2026	Fri 03/07/2026	Sat 04/07/2026	Sun 05/07/2026	Mon 06/07/2026	5-Day Ave.	7-Day Ave.
00:00	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0
05:00	1	0	1	0	0	0	1	1	0
06:00	1	1	0	0	2	0	0	0	1
07:00	0	4	5	1	2	1	2	2	2
08:00	3	2	4	5	4	0	2	3	3
09:00	4	6	2	2	5	1	3	3	3
10:00	3	3	0	2	6	1	1	2	2
11:00	3	6	2	3	2	6	1	3	3
12:00	6	5	2	5	3	4	5	5	4
13:00	2	8	3	1	3	0	1	3	3
14:00	3	5	2	3	3	2	5	4	3
15:00	4	5	1	4	1	2	3	3	3
16:00	4	7	5	2	5	2	4	4	4
17:00	4	6	4	8	5	0	8	6	5
18:00	2	5	0	0	4	1	3	2	2
19:00	2	5	1	3	1	2	3	3	2
20:00	2	1	1	1	4	1	2	1	2
21:00	0	0	0	0	2	1	0	0	0
22:00	0	0	1	1	1	1	0	0	1
23:00	1	1	0	0	0	0	0	0	0
Total 12H(7-19)	38	62	30	36	43	20	38	41	38
16H(6-22)	43	69	32	40	52	24	43	45	43
18H(6-24)	44	70	33	41	53	25	43	46	44
24H(0-24)	45	70	34	41	53	25	44	47	45
AM Peak	09:00 4	09:00 6	07:00 5	08:00 5	10:00 6	11:00 6	09:00 3	09:00 3	09:00 3
PM Peak	12:00 6	13:00 8	16:00 5	17:00 8	16:00 5	12:00 4	17:00 8	17:00 6	17:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Tue 30/06/2026	Wed 01/07/2026	Thu 02/07/2026	Fri 03/07/2026	Sat 04/07/2026	Sun 05/07/2026	Mon 06/07/2026	5-Day Ave.	7-Day Ave.
00:00	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	1	0	0	0
02:00	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0
05:00	1	0	1	0	0	0	1	1	0
06:00	2	5	0	0	3	0	0	1	1
07:00	1	6	12	3	3	1	6	6	5
08:00	8	3	6	7	6	1	4	6	5
09:00	7	9	3	5	9	2	8	6	6
10:00	7	8	1	4	9	3	1	4	5
11:00	6	12	4	8	8	7	2	6	7
12:00	11	8	3	10	8	6	8	8	8
13:00	4	15	6	4	6	7	2	6	6
14:00	4	14	5	4	7	4	11	8	7
15:00	9	10	1	8	2	4	7	7	6
16:00	7	14	7	6	12	8	12	9	9
17:00	9	12	7	12	8	1	14	11	9
18:00	6	12	2	5	6	3	6	6	6
19:00	5	9	1	3	5	6	7	5	5
20:00	4	1	4	3	5	2	3	3	3
21:00	0	0	1	1	3	1	0	0	1
22:00	2	1	1	2	2	2	0	1	1
23:00	1	3	0	0	0	0	0	1	1
Total 12H(7-19)	79	123	57	76	84	47	81	83	78
16H(6-22)	90	138	63	83	100	56	91	93	89
18H(6-24)	93	142	64	85	102	58	91	95	91
24H(0-24)	94	142	65	85	102	59	92	96	91
AM Peak	08:00 8	11:00 12	07:00 12	11:00 8	09:00 9	11:00 7	09:00 8	09:00 6	11:00 7
PM Peak	12:00 11	13:00 15	16:00 7	17:00 12	16:00 12	16:00 8	17:00 14	17:00 11	16:00 9

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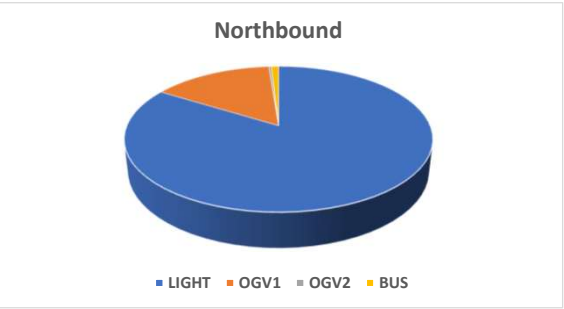


Luffenhall ATC

Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 30 Jun 2026	49	41	7	0	1
Wed 1 Jul 2026	72	65	6	1	0
Thu 2 Jul 2026	31	23	6	0	2
Fri 3 Jul 2026	44	37	7	0	0
Sat 4 Jul 2026	49	40	9	0	0
Sun 5 Jul 2026	34	32	2	0	0
Mon 6 Jul 2026	48	36	12	0	0
5 Day Ave.	49	40	8	0	1
7 Day Ave.	47	39	7	0	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 30 Jun 2026	100.0%	83.7%	14.3%	0.0%	2.0%
Wed 1 Jul 2026	100.0%	90.3%	8.3%	1.4%	0.0%
Thu 2 Jul 2026	100.0%	74.2%	19.4%	0.0%	6.5%
Fri 3 Jul 2026	100.0%	84.1%	15.9%	0.0%	0.0%
Sat 4 Jul 2026	100.0%	81.6%	18.4%	0.0%	0.0%
Sun 5 Jul 2026	100.0%	94.1%	5.9%	0.0%	0.0%
Mon 6 Jul 2026	100.0%	75.0%	25.0%	0.0%	0.0%
5 Day Ave.	100.0%	82.8%	15.6%	0.4%	1.2%
7 Day Ave.	100.0%	83.8%	15.0%	0.3%	0.9%

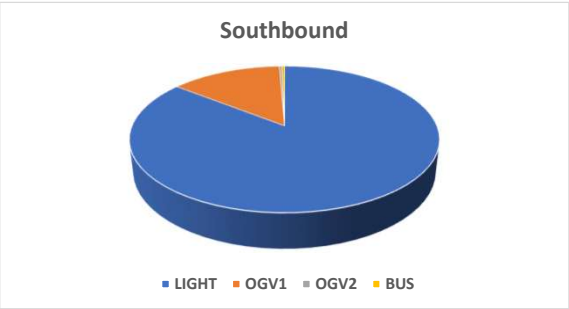
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Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 30 Jun 2026	45	39	6	0	0
Wed 1 Jul 2026	70	60	9	0	1
Thu 2 Jul 2026	34	24	10	0	0
Fri 3 Jul 2026	41	36	5	0	0
Sat 4 Jul 2026	53	48	4	1	0
Sun 5 Jul 2026	25	23	2	0	0
Mon 6 Jul 2026	44	37	7	0	0
5 Day Ave.	47	39	7	0	0
7 Day Ave.	45	38	6	0	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 30 Jun 2026	100.0%	86.7%	13.3%	0.0%	0.0%
Wed 1 Jul 2026	100.0%	85.7%	12.9%	0.0%	1.4%
Thu 2 Jul 2026	100.0%	70.6%	29.4%	0.0%	0.0%
Fri 3 Jul 2026	100.0%	87.8%	12.2%	0.0%	0.0%
Sat 4 Jul 2026	100.0%	90.6%	7.5%	1.9%	0.0%
Sun 5 Jul 2026	100.0%	92.0%	8.0%	0.0%	0.0%
Mon 6 Jul 2026	100.0%	84.1%	15.9%	0.0%	0.0%
5 Day Ave.	100.0%	83.8%	15.8%	0.0%	0.4%
7 Day Ave.	100.0%	85.6%	13.8%	0.3%	0.3%

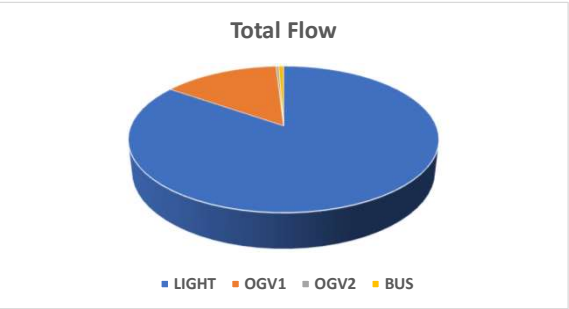
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 30 Jun 2026	94	80	13	0	1
Wed 1 Jul 2026	142	125	15	1	1
Thu 2 Jul 2026	65	47	16	0	2
Fri 3 Jul 2026	85	73	12	0	0
Sat 4 Jul 2026	102	88	13	1	0
Sun 5 Jul 2026	59	55	4	0	0
Mon 6 Jul 2026	92	73	19	0	0
5 Day Ave.	96	80	15	0	1
7 Day Ave.	91	77	13	0	1

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 30 Jun 2026	100.0%	85.1%	13.8%	0.0%	1.1%
Wed 1 Jul 2026	100.0%	88.0%	10.6%	0.7%	0.7%
Thu 2 Jul 2026	100.0%	72.3%	24.6%	0.0%	3.1%
Fri 3 Jul 2026	100.0%	85.9%	14.1%	0.0%	0.0%
Sat 4 Jul 2026	100.0%	86.3%	12.7%	1.0%	0.0%
Sun 5 Jul 2026	100.0%	93.2%	6.8%	0.0%	0.0%
Mon 6 Jul 2026	100.0%	79.3%	20.7%	0.0%	0.0%
5 Day Ave.	100.0%	83.3%	15.7%	0.2%	0.8%
7 Day Ave.	100.0%	84.7%	14.4%	0.3%	0.6%

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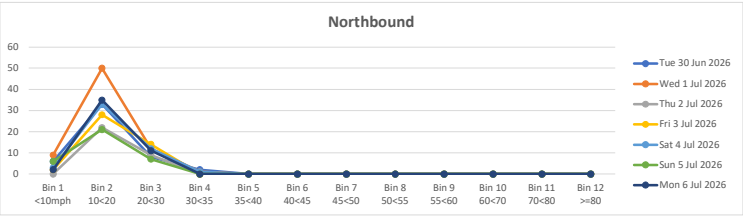


Luffenhall ATC

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	49	22.5	16.5	5.8	6	33	8	2	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	72	21.4	16.0	5.1	9	50	12	1	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	31	22.7	17.9	4.6	0	22	9	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	44	23.2	17.9	5.1	2	28	14	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	49	22.9	17.4	5.4	3	33	12	1	0	0	0	0	0	0	0	0
Sun 5 Jul 2026	34	21.4	15.8	5.4	6	21	7	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	48	21.8	17.0	4.6	2	35	11	0	0	0	0	0	0	0	0	0
5 Day Ave.	49	22.3	17.1	5.1	4	34	11	1	0	0	0	0	0	0	0	0
7 Day Ave.	47	22.3	16.9	5.2	4	32	10	1	0	0	0	0	0	0	0	0

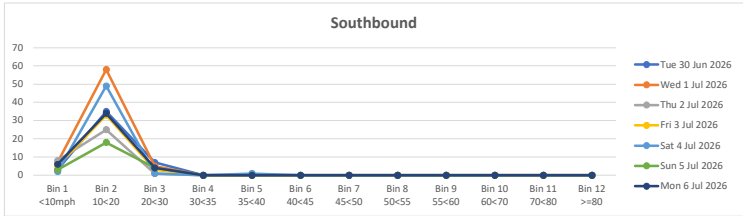
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Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	45	20.5	16.1	4.2	3	35	7	0	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	70	18.6	15.0	3.5	7	58	5	0	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	34	17.4	13.6	3.6	8	25	1	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	41	18.7	14.9	3.7	5	33	3	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	53	19.1	15.3	3.7	2	49	1	0	1	0	0	0	0	0	0	0
Sun 5 Jul 2026	25	20.6	15.8	4.7	3	18	4	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	44	19.1	15.0	4.0	6	34	4	0	0	0	0	0	0	0	0	0
5 Day Ave.	47	18.9	14.9	3.8	6	37	4	0	0	0	0	0	0	0	0	0
7 Day Ave.	45	19.2	15.1	3.9	5	36	4	0	0	0	0	0	0	0	0	0

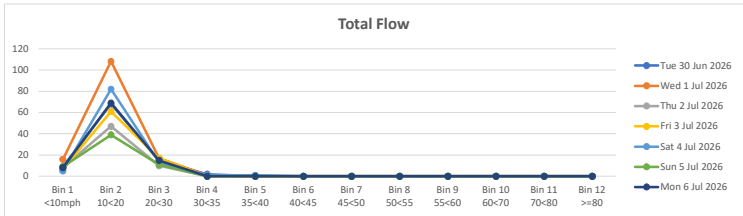
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	94	21.6	16.3	5.1	9	68	15	2	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	142	20.1	15.5	4.4	16	108	17	1	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	65	20.5	15.7	4.6	8	47	10	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	85	21.3	16.4	4.7	7	61	17	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	102	21.1	16.3	4.6	5	82	13	1	1	0	0	0	0	0	0	0
Sun 5 Jul 2026	59	21.1	15.8	5.1	9	39	11	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	92	20.6	16.0	4.4	8	69	15	0	0	0	0	0	0	0	0	0
5 Day Ave.	96	20.8	16.0	4.7	10	71	15	1	0	0	0	0	0	0	0	0
7 Day Ave.	91	20.9	16.0	4.7	9	68	14	1	0	0	0	0	0	0	0	0

Paul Castle Associates



Luffenhall ATC

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	7	20.6	15.4	5.0	1	5	1	0	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	11	19.3	15.3	3.8	1	9	1	0	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	7	23.2	16.9	6.1	1	4	2	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	9	27.2	20.3	6.7	0	5	3	1	0	0	0	0	0	0	0	0
Sun 5 Jul 2026	3	16.9	12.7	4.0	1	2	0	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
5 Day Ave.	6	17.5	16.2	4.1	1	4	1	0	0	0	0	0	0	0	0	0
7 Day Ave.	6	18.8	16.3	4.5	1	4	1	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	6	20.9	16.7	4.1	0	5	1	0	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	9	15.0	15.0	0.0	0	9	0	0	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	5	15.0	15.0	0.0	0	5	0	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	8	15.0	15.0	0.0	0	8	0	0	0	0	0	0	0	0	0	0
Sun 5 Jul 2026	7	20.3	14.4	5.7	2	4	1	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
5 Day Ave.	5	16.2	15.3	0.8	0	5	0	0	0	0	0	0	0	0	0	0
7 Day Ave.	6	16.6	15.2	1.4	0	5	0	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	13	20.6	16.0	4.4	1	10	2	0	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	20	18.0	15.2	2.8	1	18	1	0	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	12	20.9	16.1	4.6	1	9	2	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	17	23.4	17.8	5.4	0	13	3	1	0	0	0	0	0	0	0	0
Sun 5 Jul 2026	10	19.2	13.9	5.1	3	6	1	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
5 Day Ave.	11	19.2	15.8	3.3	1	9	1	0	0	0	0	0	0	0	0	0
7 Day Ave.	11	19.8	15.8	3.8	1	9	1	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	6	20.9	16.7	4.1	0	5	1	0	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	14	18.5	15.7	2.7	0	13	1	0	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	3	27.7	21.7	5.8	0	1	2	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	5	24.7	19.0	5.5	0	3	2	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
Sun 5 Jul 2026	4	16.9	13.3	3.5	1	3	0	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	10	23.3	16.6	6.4	2	5	3	0	0	0	0	0	0	0	0	0
5 Day Ave.	8	23.0	17.9	4.9	0	5	2	0	0	0	0	0	0	0	0	0
7 Day Ave.	7	21.9	17.1	4.6	0	5	1	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	7	20.3	14.4	5.7	2	4	1	0	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	10	16.6	14.3	2.2	1	9	0	0	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	7	20.3	16.4	3.8	0	6	1	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
Sun 5 Jul 2026	4	23.0	15.8	7.0	1	2	1	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	8	16.6	13.3	3.2	2	6	0	0	0	0	0	0	0	0	0	0
5 Day Ave.	7	19.6	15.3	4.1	1	5	1	0	0	0	0	0	0	0	0	0
7 Day Ave.	6	19.5	15.4	4.0	1	5	1	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 30 Jun 2026	13	20.6	15.5	5.0	2	9	2	0	0	0	0	0	0	0	0	0
Wed 1 Jul 2026	24	17.8	15.1	2.5	1	22	1	0	0	0	0	0	0	0	0	0
Thu 2 Jul 2026	6	25.7	20.0	5.5	0	3	3	0	0	0	0	0	0	0	0	0
Fri 3 Jul 2026	12	22.2	17.5	4.5	0	9	3	0	0	0	0	0	0	0	0	0
Sat 4 Jul 2026	9	19.6	16.1	3.3	0	8	1	0	0	0	0	0	0	0	0	0
Sun 5 Jul 2026	8	20.0	14.5	5.3	2	5	1	0	0	0	0	0	0	0	0	0
Mon 6 Jul 2026	18	20.7	15.1	5.4	4	11	3	0	0	0	0	0	0	0	0	0
5 Day Ave.	15	21.4	16.6	4.6	1	11	2	0	0	0	0	0	0	0	0	0
7 Day Ave.	13	20.9	16.3	4.5	1	10	2	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

Direction: Southbound

Direction: Total Flow

30/06/2026

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	1	1	0	0	0
08:00	5	5	0	0	0
09:00	3	3	0	0	0
10:00	4	3	1	0	0
11:00	3	3	0	0	0
12:00	5	4	1	0	0
13:00	2	2	0	0	0
14:00	1	1	0	0	0
15:00	5	3	1	0	1
16:00	3	2	1	0	0
17:00	5	4	1	0	0
18:00	4	3	1	0	0
19:00	3	2	1	0	0
20:00	2	2	0	0	0
21:00	0	0	0	0	0
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	41	34	6	0	1
16H(6-22)	47	39	7	0	1
18H(6-24)	49	41	7	0	1
24H(0-24)	49	41	7	0	1
AM Peak	08:00	08:00	10:00	00:00	00:00
	5	5	1	0	0
PM Peak	12:00	12:00	12:00	12:00	15:00
	5	4	1	0	1

Paul Castle Associates

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	1	1	0	0	0
07:00	0	0	0	0	0
08:00	3	3	0	0	0
09:00	4	4	0	0	0
10:00	3	2	1	0	0
11:00	3	3	0	0	0
12:00	6	4	2	0	0
13:00	2	1	1	0	0
14:00	3	3	0	0	0
15:00	4	4	0	0	0
16:00	4	4	0	0	0
17:00	4	2	2	0	0
18:00	2	2	0	0	0
19:00	2	2	0	0	0
20:00	2	2	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	38	32	6	0	0
16H(6-22)	43	37	6	0	0
18H(6-24)	44	38	6	0	0
24H(0-24)	45	39	6	0	0
AM Peak	09:00	09:00	10:00	00:00	00:00
	4	4	1	0	0
PM Peak	12:00	12:00	12:00	12:00	12:00
	6	4	2	0	0

Paul Castle Associates

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	2	2	0	0	0
07:00	1	1	0	0	0
08:00	8	8	0	0	0
09:00	7	7	0	0	0
10:00	7	5	2	0	0
11:00	6	6	0	0	0
12:00	11	8	3	0	0
13:00	4	3	1	0	0
14:00	4	4	0	0	0
15:00	9	7	1	0	1
16:00	7	6	1	0	0
17:00	9	6	3	0	0
18:00	6	5	1	0	0
19:00	5	4	1	0	0
20:00	4	4	0	0	0
21:00	0	0	0	0	0
22:00	2	2	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	79	66	12	0	1
16H(6-22)	90	76	13	0	1
18H(6-24)	93	79	13	0	1
24H(0-24)	94	80	13	0	1
AM Peak	08:00	08:00	10:00	00:00	00:00
	8	8	2	0	0
PM Peak	12:00	12:00	12:00	12:00	15:00
	11	8	3	0	1

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

01/07/2026

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	4	3	1	0	0
07:00	2	2	0	0	0
08:00	1	1	0	0	0
09:00	3	2	1	0	0
10:00	5	4	1	0	0
11:00	6	6	0	0	0
12:00	3	2	1	0	0
13:00	7	6	1	0	0
14:00	9	8	0	1	0
15:00	5	4	1	0	0
16:00	7	7	0	0	0
17:00	6	6	0	0	0
18:00	7	7	0	0	0
19:00	4	4	0	0	0
20:00	0	0	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	61	55	5	1	0
16H(6-22)	69	62	6	1	0
18H(6-24)	72	65	6	1	0
24H(0-24)	72	65	6	1	0
AM Peak	11:00 6	11:00 6	06:00 1	00:00 0	00:00 0
PM Peak	14:00 9	14:00 8	12:00 1	14:00 1	12:00 0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	4	2	2	0	0
08:00	2	2	0	0	0
09:00	6	6	0	0	0
10:00	3	3	0	0	0
11:00	6	4	2	0	0
12:00	5	5	0	0	0
13:00	8	7	1	0	0
14:00	5	5	0	0	0
15:00	5	3	1	0	1
16:00	7	7	0	0	0
17:00	6	6	0	0	0
18:00	5	2	3	0	0
19:00	5	5	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	62	52	9	0	1
16H(6-22)	69	59	9	0	1
18H(6-24)	70	60	9	0	1
24H(0-24)	70	60	9	0	1
AM Peak	09:00 6	09:00 6	07:00 2	00:00 0	00:00 0
PM Peak	13:00 8	13:00 7	18:00 3	12:00 0	15:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	5	4	1	0	0
07:00	6	4	2	0	0
08:00	3	3	0	0	0
09:00	9	8	1	0	0
10:00	8	7	1	0	0
11:00	12	10	2	0	0
12:00	8	7	1	0	0
13:00	15	13	2	0	0
14:00	14	13	0	1	0
15:00	10	7	2	0	1
16:00	14	14	0	0	0
17:00	12	12	0	0	0
18:00	12	9	3	0	0
19:00	9	9	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	123	107	14	1	1
16H(6-22)	138	121	15	1	1
18H(6-24)	142	125	15	1	1
24H(0-24)	142	125	15	1	1
AM Peak	11:00 12	11:00 10	07:00 2	00:00 0	00:00 0
PM Peak	13:00 15	16:00 14	18:00 3	14:00 1	15:00 1

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

02/07/2026

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	7	5	2	0	0
08:00	2	1	1	0	0
09:00	1	1	0	0	0
10:00	1	1	0	0	0
11:00	2	0	1	0	1
12:00	1	1	0	0	0
13:00	3	2	1	0	0
14:00	3	2	0	0	1
15:00	0	0	0	0	0
16:00	2	1	1	0	0
17:00	3	3	0	0	0
18:00	2	2	0	0	0
19:00	0	0	0	0	0
20:00	3	3	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	27	19	6	0	2
16H(6-22)	31	23	6	0	2
18H(6-24)	31	23	6	0	2
24H(0-24)	31	23	6	0	2
AM Peak	07:00 7	07:00 5	07:00 2	00:00 0	11:00 1
PM Peak	13:00 3	17:00 3	13:00 1	12:00 0	14:00 1

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	0	0	0	0	0
07:00	5	4	1	0	0
08:00	4	3	1	0	0
09:00	2	2	0	0	0
10:00	0	0	0	0	0
11:00	2	2	0	0	0
12:00	2	2	0	0	0
13:00	3	2	1	0	0
14:00	2	2	0	0	0
15:00	1	0	1	0	0
16:00	5	2	3	0	0
17:00	4	2	2	0	0
18:00	0	0	0	0	0
19:00	1	1	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	1	0	1	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	30	21	9	0	0
16H(6-22)	32	23	9	0	0
18H(6-24)	33	23	10	0	0
24H(0-24)	34	24	10	0	0
AM Peak	07:00 5	07:00 4	07:00 1	00:00 0	00:00 0
PM Peak	16:00 5	12:00 2	16:00 3	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	0	0	0	0	0
07:00	12	9	3	0	0
08:00	6	4	2	0	0
09:00	3	3	0	0	0
10:00	1	1	0	0	0
11:00	4	2	1	0	1
12:00	3	3	0	0	0
13:00	6	4	2	0	0
14:00	5	4	0	0	1
15:00	1	0	1	0	0
16:00	7	3	4	0	0
17:00	7	5	2	0	0
18:00	2	2	0	0	0
19:00	1	1	0	0	0
20:00	4	4	0	0	0
21:00	1	1	0	0	0
22:00	1	0	1	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	57	40	15	0	2
16H(6-22)	63	46	15	0	2
18H(6-24)	64	46	16	0	2
24H(0-24)	65	47	16	0	2
AM Peak	07:00 12	07:00 9	07:00 3	00:00 0	11:00 1
PM Peak	16:00 7	17:00 5	16:00 4	12:00 0	14:00 1

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

03/07/2026

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	2	1	1	0	0
08:00	2	2	0	0	0
09:00	3	2	1	0	0
10:00	2	2	0	0	0
11:00	5	5	0	0	0
12:00	5	5	0	0	0
13:00	3	0	3	0	0
14:00	1	1	0	0	0
15:00	4	4	0	0	0
16:00	4	4	0	0	0
17:00	4	3	1	0	0
18:00	5	5	0	0	0
19:00	0	0	0	0	0
20:00	2	1	1	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	40	34	6	0	0
16H(6-22)	43	36	7	0	0
18H(6-24)	44	37	7	0	0
24H(0-24)	44	37	7	0	0
AM Peak	11:00 5	11:00 5	07:00 1	00:00 0	00:00 0
PM Peak	12:00 5	12:00 5	13:00 3	12:00 0	12:00 0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	1	1	0	0	0
08:00	5	4	1	0	0
09:00	2	2	0	0	0
10:00	2	2	0	0	0
11:00	3	3	0	0	0
12:00	5	5	0	0	0
13:00	1	1	0	0	0
14:00	3	3	0	0	0
15:00	4	2	2	0	0
16:00	2	2	0	0	0
17:00	8	7	1	0	0
18:00	0	0	0	0	0
19:00	3	3	0	0	0
20:00	1	0	1	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	36	32	4	0	0
16H(6-22)	40	35	5	0	0
18H(6-24)	41	36	5	0	0
24H(0-24)	41	36	5	0	0
AM Peak	08:00 5	08:00 4	08:00 1	00:00 0	00:00 0
PM Peak	17:00 8	17:00 7	15:00 2	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	3	2	1	0	0
08:00	7	6	1	0	0
09:00	5	4	1	0	0
10:00	4	4	0	0	0
11:00	8	8	0	0	0
12:00	10	10	0	0	0
13:00	4	1	3	0	0
14:00	4	4	0	0	0
15:00	8	6	2	0	0
16:00	6	6	0	0	0
17:00	12	10	2	0	0
18:00	5	5	0	0	0
19:00	3	3	0	0	0
20:00	3	1	2	0	0
21:00	1	1	0	0	0
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	76	66	10	0	0
16H(6-22)	83	71	12	0	0
18H(6-24)	85	73	12	0	0
24H(0-24)	85	73	12	0	0
AM Peak	11:00 8	11:00 8	07:00 1	00:00 0	00:00 0
PM Peak	17:00 12	12:00 10	13:00 3	12:00 0	12:00 0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

04/07/2026

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	1	1	0	0	0
08:00	2	2	0	0	0
09:00	4	4	0	0	0
10:00	3	2	1	0	0
11:00	6	4	2	0	0
12:00	5	4	1	0	0
13:00	3	3	0	0	0
14:00	4	3	1	0	0
15:00	1	1	0	0	0
16:00	7	5	2	0	0
17:00	3	3	0	0	0
18:00	2	2	0	0	0
19:00	4	3	1	0	0
20:00	1	1	0	0	0
21:00	1	0	1	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	41	34	7	0	0
16H(6-22)	48	39	9	0	0
18H(6-24)	49	40	9	0	0
24H(0-24)	49	40	9	0	0
AM Peak	11:00 6	09:00 4	11:00 2	00:00 0	00:00 0
PM Peak	16:00 7	16:00 5	16:00 2	12:00 0	12:00 0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	2	2	0	0	0
07:00	2	2	0	0	0
08:00	4	4	0	0	0
09:00	5	5	0	0	0
10:00	6	4	1	1	0
11:00	2	2	0	0	0
12:00	3	2	1	0	0
13:00	3	3	0	0	0
14:00	3	2	1	0	0
15:00	1	1	0	0	0
16:00	5	5	0	0	0
17:00	5	5	0	0	0
18:00	4	4	0	0	0
19:00	1	0	1	0	0
20:00	4	4	0	0	0
21:00	2	2	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	43	39	3	1	0
16H(6-22)	52	47	4	1	0
18H(6-24)	53	48	4	1	0
24H(0-24)	53	48	4	1	0
AM Peak	10:00 6	09:00 5	10:00 1	10:00 1	00:00 0
PM Peak	16:00 5	16:00 5	12:00 1	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	3	3	0	0	0
07:00	3	3	0	0	0
08:00	6	6	0	0	0
09:00	9	9	0	0	0
10:00	9	6	2	1	0
11:00	8	6	2	0	0
12:00	8	6	2	0	0
13:00	6	6	0	0	0
14:00	7	5	2	0	0
15:00	2	2	0	0	0
16:00	12	10	2	0	0
17:00	8	8	0	0	0
18:00	6	6	0	0	0
19:00	5	3	2	0	0
20:00	5	5	0	0	0
21:00	3	2	1	0	0
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	84	73	10	1	0
16H(6-22)	100	86	13	1	0
18H(6-24)	102	88	13	1	0
24H(0-24)	102	88	13	1	0
AM Peak	09:00 9	09:00 9	10:00 2	10:00 1	00:00 0
PM Peak	16:00 12	16:00 10	12:00 2	12:00 0	12:00 0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

Direction: Southbound

Direction: Total Flow

05/07/2026

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	0	0	0	0	0
08:00	1	1	0	0	0
09:00	1	1	0	0	0
10:00	2	2	0	0	0
11:00	1	1	0	0	0
12:00	2	2	0	0	0
13:00	7	6	1	0	0
14:00	2	2	0	0	0
15:00	2	2	0	0	0
16:00	6	6	0	0	0
17:00	1	1	0	0	0
18:00	2	2	0	0	0
19:00	4	3	1	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	27	26	1	0	0
16H(6-22)	32	30	2	0	0
18H(6-24)	33	31	2	0	0
24H(0-24)	34	32	2	0	0
AM Peak	10:00	10:00	00:00	00:00	00:00
	2	2	0	0	0
PM Peak	13:00	13:00	13:00	12:00	12:00
	7	6	1	0	0

Paul Castle Associates

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	1	1	0	0	0
08:00	0	0	0	0	0
09:00	1	1	0	0	0
10:00	1	1	0	0	0
11:00	6	5	1	0	0
12:00	4	4	0	0	0
13:00	0	0	0	0	0
14:00	2	2	0	0	0
15:00	2	2	0	0	0
16:00	2	2	0	0	0
17:00	0	0	0	0	0
18:00	1	1	0	0	0
19:00	2	2	0	0	0
20:00	1	0	1	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	20	19	1	0	0
16H(6-22)	24	22	2	0	0
18H(6-24)	25	23	2	0	0
24H(0-24)	25	23	2	0	0
AM Peak	11:00	11:00	11:00	00:00	00:00
	6	5	1	0	0
PM Peak	12:00	12:00	20:00	12:00	12:00
	4	4	1	0	0

Paul Castle Associates

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	1	1	0	0	0
08:00	1	1	0	0	0
09:00	2	2	0	0	0
10:00	3	3	0	0	0
11:00	7	6	1	0	0
12:00	6	6	0	0	0
13:00	7	6	1	0	0
14:00	4	4	0	0	0
15:00	4	4	0	0	0
16:00	8	8	0	0	0
17:00	1	1	0	0	0
18:00	3	3	0	0	0
19:00	6	5	1	0	0
20:00	2	1	1	0	0
21:00	1	1	0	0	0
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	47	45	2	0	0
16H(6-22)	56	52	4	0	0
18H(6-24)	58	54	4	0	0
24H(0-24)	59	55	4	0	0
AM Peak	11:00	11:00	11:00	00:00	00:00
	7	6	1	0	0
PM Peak	16:00	16:00	13:00	12:00	12:00
	8	8	1	0	0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

06/07/2026

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	4	4	0	0	0
08:00	2	2	0	0	0
09:00	5	3	2	0	0
10:00	0	0	0	0	0
11:00	1	1	0	0	0
12:00	3	1	2	0	0
13:00	1	1	0	0	0
14:00	6	6	0	0	0
15:00	4	3	1	0	0
16:00	8	5	3	0	0
17:00	6	4	2	0	0
18:00	3	1	2	0	0
19:00	4	4	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	43	31	12	0	0
16H(6-22)	48	36	12	0	0
18H(6-24)	48	36	12	0	0
24H(0-24)	48	36	12	0	0
AM Peak	09:00 5	07:00 4	09:00 2	00:00 0	00:00 0
PM Peak	16:00 8	14:00 6	16:00 3	12:00 0	12:00 0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	0	0	0	0	0
07:00	2	2	0	0	0
08:00	2	2	0	0	0
09:00	3	3	0	0	0
10:00	1	0	1	0	0
11:00	1	1	0	0	0
12:00	5	4	1	0	0
13:00	1	1	0	0	0
14:00	5	4	1	0	0
15:00	3	3	0	0	0
16:00	4	3	1	0	0
17:00	8	8	0	0	0
18:00	3	2	1	0	0
19:00	3	2	1	0	0
20:00	2	1	1	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	38	33	5	0	0
16H(6-22)	43	36	7	0	0
18H(6-24)	43	36	7	0	0
24H(0-24)	44	37	7	0	0
AM Peak	09:00 3	09:00 3	10:00 1	00:00 0	00:00 0
PM Peak	17:00 8	17:00 8	12:00 1	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	0	0	0	0	0
07:00	6	6	0	0	0
08:00	4	4	0	0	0
09:00	8	6	2	0	0
10:00	1	0	1	0	0
11:00	2	2	0	0	0
12:00	8	5	3	0	0
13:00	2	2	0	0	0
14:00	11	10	1	0	0
15:00	7	6	1	0	0
16:00	12	8	4	0	0
17:00	14	12	2	0	0
18:00	6	3	3	0	0
19:00	7	6	1	0	0
20:00	3	2	1	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	81	64	17	0	0
16H(6-22)	91	72	19	0	0
18H(6-24)	91	72	19	0	0
24H(0-24)	92	73	19	0	0
AM Peak	09:00 8	07:00 6	09:00 2	00:00 0	00:00 0
PM Peak	17:00 14	17:00 12	16:00 4	12:00 0	12:00 0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

30/06/2026

[illegible]

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10-20	Bin 3 20-30	Bin 4 30-35	Bin 5 35-40	Bin 6 40-45	Bin 7 45-50	Bin 8 50-55	Bin 9 55-60	Bin 10 60-70	Bin 11 70-80	Bin 12 ≥80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	3	27.7	21.7	5.8	0	1	2	0	0	0	0	0	0	0	0	0
09:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
10:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
11:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
12:00	6	15.0	15.0	0.0	0	6	0	0	0	0	0	0	0	0	0	0
13:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
14:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
15:00	4	15.7	11.5	4.0	2	2	0	0	0	0	0	0	0	0	0	0
16:00	4	22.7	17.5	5.0	0	1	0	0	0	0	0	0	0	0	0	0
17:00	4	16.9	13.3	3.5	1	3	0	0	0	0	0	0	0	0	0	0
18:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
19:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
20:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	6	20.9	16.7	4.1	0	5	1	0	0	0	0	0	0	0	0	0
2H(14-16)	7	24.3	14.4	5.7	2	4	1	0	0	0	0	0	0	0	0	0
12H(7-19)	38	20.6	16.0	4.4	3	29	6	0	0	0	0	0	0	0	0	0
24H(0-24)	45	20.5	16.1	4.2	3	35	7	0	0	0	0	0	0	0	0	0
AM Peak	09:00	28.0	25.0	08:00	00:00	09:00	08:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	4	27.7	25.0	5.8	0	3	2	0	0	0	0	0	0	0	0	0
PM Peak	12:00	14.00	14:00	14:00	15:00	12:00	14:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	6	24.3	18.3	5.8	2	6	1	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10-20	Bin 3 20-30	Bin 4 30-35	Bin 5 35-40	Bin 6 40-45	Bin 7 45-50	Bin 8 50-55	Bin 9 55-60	Bin 10 60-70	Bin 11 70-80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
07:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
08:00	8	24.0	15.3	8.4	4	1	3	0	0	0	0	0	0	0	0	0
09:00	7	20.6	15.4	5.0	1	5	1	0	0	0	0	0	0	0	0	0
10:00	7	21.2	16.9	6.1	1	4	2	0	0	0	0	0	0	0	0	0
11:00	6	15.0	15.0	0.0	0	6	0	0	0	0	0	0	0	0	0	0
12:00	11	19.0	15.9	3.0	0	10	1	0	0	0	0	0	0	0	0	0
13:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
14:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
15:00	9	19.7	14.6	5.0	2	6	1	0	0	0	0	0	0	0	0	0
16:00	7	20.3	16.4	3.8	0	6	1	0	0	0	0	0	0	0	0	0
17:00	9	26.9	18.1	8.5	1	6	0	2	0	0	0	0	0	0	0	0
18:00	6	25.7	20.0	5.5	0	3	3	0	0	0	0	0	0	0	0	0
19:00	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
20:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
23:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	13	20.6	16.0	4.4	1	10	2	0	0	0	0	0	0	0	0	0
2H(14-16)	13	20.6	15.5	5.0	2	9	2	0	0	0	0	0	0	0	0	0
2H(17-19)	79	21.8	16.3	5.3	9	55	13	2	0	0	0	0	0	0	0	0
24H(0-24)	94	21.6	16.3	5.1	9	68	15	2	0	0	0	0	0	0	0	0
AM Peak	08:00	08:00	05:00	08:00	08:00	11:00	08:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	8	24.0	25.0	8.4	4	6	3	0	0	0	0	0	0	0	0	0
PM Peak	12:00	17:00	18:00	17:00	15:00	12:00	18:00	17:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	11	25.9	20.0	8.5	2	10	3	2	0	0	0	0	0	0	0	0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

01/07/2026

[illegible]

Paul Castle Associates

Direction: Southbound

[illegible]

Paul Castle Associates

Direction: Total Flow

[illegible]

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

02/07/2026																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	7	20.3	16.4	3.8	0	6	1	0	0	0	0	0	0	0	0	0
08:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
09:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
10:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
11:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
12:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
13:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
14:00	3	27.7	21.7	5.8	0	1	2	0	0	0	0	0	0	0	0	0
15:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
16:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
17:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
18:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
21:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
2H(14-16)	3	27.7	21.7	5.8	0	1	2	0	0	0	0	0	0	0	0	0
12H(7-19)	27	22.8	18.0	4.7	0	19	8	0	0	0	0	0	0	0	0	0
24H(0-24)	31	22.7	17.9	4.6	0	22	9	0	0	0	0	0	0	0	0	0
AM Peak	07:00 7	11:00 27.3	11:00 20.0	11:00 7.1	00:00 0	07:00 6	07:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 3	14:00 27.7	14:00 21.7	16:00 7.1	12:00 0	13:00 2	14:00 2	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	5	16.8	13.6	3.1	1	4	0	0	0	0	0	0	0	0	0	0
08:00	4	15.7	11.5	4.0	2	2	0	0	0	0	0	0	0	0	0	0
09:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
10:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
11:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
12:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
13:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
14:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
15:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
16:00	5	14.8	10.8	3.8	3	2	0	0	0	0	0	0	0	0	0	0
17:00	4	16.9	13.3	3.5	1	3	0	0	0	0	0	0	0	0	0	0
18:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
19:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
20:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	8.0	-	1	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
2H(14-16)	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
12H(7-19)	30	17.5	13.7	3.7	7	22	1	0	0	0	0	0	0	0	0	0
24H(0-24)	34	17.4	13.6	3.6	8	25	1	0	0	0	0	0	0	0	0	0
AM Peak	07:00 5	11:00 16.8	11:00 15.0	08:00 4.0	08:00 2	07:00 4	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	16:00 5	14:00 27.3	14:00 20.0	14:00 7.1	16:00 3	13:00 3	14:00 1	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	12	19.1	15.3	3.7	1	10	1	0	0	0	0	0	0	0	0	0
08:00	6	16.4	12.7	3.6	2	4	0	0	0	0	0	0	0	0	0	0
09:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
10:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
11:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
12:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
13:00	6	20.9	16.7	4.1	0	5	1	0	0	0	0	0	0	0	0	0
14:00	5	26.7	21.0	5.5	0	2	3	0	0	0	0	0	0	0	0	0
15:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
16:00	7	19.8	13.4	6.2	3	3	1	0	0	0	0	0	0	0	0	0
17:00	7	20.6	15.4	5.0	1	5	1	0	0	0	0	0	0	0	0	0
18:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
19:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
20:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
21:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
22:00	1	-	8.0	-	1	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
2H(14-16)	6	25.7	20.0	5.5	0	3	3	0	0	0	0	0	0	0	0	0
12H(7-19)	57	20.5	15.7	4.7	7	41	9	0	0	0	0	0	0	0	0	0
24H(0-24)	65	20.5	15.7	4.6	8	47	10	0	0	0	0	0	0	0	0	0
AM Peak	07:00 12	11:00 22.7	11:00 17.5	11:00 5.0	08:00 2	07:00 10	07:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	16:00 7	18:00 27.3	14:00 21.0	18:00 7.1	16:00 3	13:00 5	14:00 3	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

03/07/2026																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
08:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
09:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
10:00	2	16.6	11.5	4.9	1	1	0	0	0	0	0	0	0	0	0	0
11:00	5	24.7	19.0	5.5	0	3	2	0	0	0	0	0	0	0	0	0
12:00	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
13:00	3	16.9	12.7	4.0	1	2	0	0	0	0	0	0	0	0	0	0
14:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
15:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
16:00	4	27.7	22.5	5.0	0	1	3	0	0	0	0	0	0	0	0	0
17:00	4	26.0	20.0	5.8	0	2	2	0	0	0	0	0	0	0	0	0
18:00	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
21:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
22:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	7	23.2	16.9	6.1	1	4	2	0	0	0	0	0	0	0	0	0
2H(14-16)	5	24.7	19.0	5.5	0	3	2	0	0	0	0	0	0	0	0	0
12H(7-19)	40	22.9	17.7	5.1	2	26	12	0	0	0	0	0	0	0	0	0
24H(0-24)	44	23.2	17.9	5.1	2	28	14	0	0	0	0	0	0	0	0	0
AM Peak	11:00	08:00 27.3	08:00 20.0	08:00 7.1	10:00 1	09:00 3	11:00 2	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	12:00	16:00 27.7	14:00 25.0	20:00 7.1	13:00 1	12:00 4	16:00 3	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
08:00	5	16.8	13.6	3.1	1	4	0	0	0	0	0	0	0	0	0	0
09:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
10:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
11:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
12:00	5	15.0	15.0	0.0	0	5	0	0	0	0	0	0	0	0	0	0
13:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
14:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
15:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
16:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
17:00	8	16.6	13.3	3.2	2	6	0	0	0	0	0	0	0	0	0	0
18:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
19:00	3	16.9	12.7	4.0	1	2	0	0	0	0	0	0	0	0	0	0
20:00	1	-	8.0	-	1	0	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	5	15.0	15.0	0.0	0	5	0	0	0	0	0	0	0	0	0	0
2H(14-16)	7	20.3	16.4	3.8	0	6	1	0	0	0	0	0	0	0	0	0
12H(7-19)	36	18.2	15.0	3.1	3	31	2	0	0	0	0	0	0	0	0	0
24H(0-24)	41	18.7	14.9	3.7	5	33	3	0	0	0	0	0	0	0	0	0
AM Peak	08:00	08:00	07:00	08:00	08:00	08:00	07:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	5	16.8	25.0	3.1	1	4	1	0	0	0	0	0	0	0	0	0
PM Peak	17:00	15:00	22:00	15:00	17:00	17:00	15:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	8	22.7	25.0	5.0	2	6	1	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10-20	Bin 3 20-30	Bin 4 30-35	Bin 5 35-40	Bin 6 40-45	Bin 7 45-50	Bin 8 50-55	Bin 9 55-60	Bin 10 60-70	Bin 11 70-80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
08:00	7	20.6	15.4	5.0	1	5	1	0	0	0	0	0	0	0	0	0
09:00	5	15.0	15.0	0.0	0	5	0	0	0	0	0	0	0	0	0	0
10:00	4	16.9	13.3	3.5	1	3	0	0	0	0	0	0	0	0	0	0
11:00	8	22.3	17.5	4.6	0	6	2	0	0	0	0	0	0	0	0	0
12:00	10	19.3	16.0	3.2	0	9	1	0	0	0	0	0	0	0	0	0
13:00	4	16.9	13.3	3.5	1	3	0	0	0	0	0	0	0	0	0	0
14:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
15:00	8	22.3	17.5	4.6	0	6	2	0	0	0	0	0	0	0	0	0
16:00	6	25.7	20.0	5.5	0	3	3	0	0	0	0	0	0	0	0	0
17:00	12	20.9	15.5	5.2	2	8	2	0	0	0	0	0	0	0	0	0
18:00	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
19:00	3	16.9	12.7	4.0	1	2	0	0	0	0	0	0	0	0	0	0
20:00	3	24.9	16.0	8.5	1	1	1	0	0	0	0	0	0	0	0	0
21:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
22:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	12	20.9	16.1	4.6	1	9	2	0	0	0	0	0	0	0	0	0
2H(14-16)	12	22.2	17.5	4.5	0	9	3	0	0	0	0	0	0	0	0	0
12H(7-19)	76	21.0	16.4	4.5	5	57	14	0	0	0	0	0	0	0	0	0
24H(0-24)	85	21.3	16.4	4.7	7	61	17	0	0	0	0	0	0	0	0	0
AM Peak	11:00	07:00	07:00	07:00	08:00	11:00	11:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	8	24.3	18.3	5.8	1	6	2	0	0	0	0	0	0	0	0	0
PM Peak	17:00	22:00	21:00	20:00	17:00	12:00	16:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	12	27.3	25.0	8.5	2	9	3	0	0	0	0	0	0	0	0	0

Luffenhall ATC

Direction: Northbound

04/07/2026																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
07:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
08:00	2	8.0	8.0	0.0	2	0	0	0	0	0	0	0	0	0	0	0
09:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
10:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
11:00	6	29.9	22.9	6.8	0	2	3	1	0	0	0	0	0	0	0	0
12:00	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
13:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
14:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
15:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
16:00	7	20.6	15.4	5.0	1	5	1	0	0	0	0	0	0	0	0	0
17:00	3	21.7	21.7	5.8	0	1	2	0	0	0	0	0	0	0	0	0
18:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
19:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
20:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
22:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	9	27.2	20.3	6.7	0	5	3	1	0	0	0	0	0	0	0	0
2H(14-16)	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
12H(7-19)	41	22.7	17.1	5.4	3	28	9	1	0	0	0	0	0	0	0	0
24H(0-24)	49	22.9	17.4	5.4	3	33	12	1	0	0	0	0	0	0	0	0
AM Peak	11:00	11:00	11:00	11:00	08:00	09:00	11:00	11:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	6	29.9	22.9	6.8	2	3	3	1	0	0	0	0	0	0	0	0
PM Peak	16:00	17:00	21:00	17:00	16:00	16:00	17:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	7	27.7	25.0	5.8	1	5	2	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	16.6	11.5	4.9	1	1	0	0	0	0	0	0	0	0	0	0
07:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
08:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
09:00	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
10:00	6	15.0	15.0	0.0	0	6	0	0	0	0	0	0	0	0	0	0
11:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
12:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
13:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
14:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
15:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
16:00	5	15.0	15.0	0.0	0	5	0	0	0	0	0	0	0	0	0	0
17:00	5	29.8	18.1	11.3	1	3	0	0	1	0	0	0	0	0	0	0
18:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
19:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
20:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
21:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
22:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	8	15.0	15.0	0.0	0	8	0	0	0	0	0	0	0	0	0	0
2H(14-16)	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
12H(7-19)	43	19.6	15.6	3.9	1	40	1	0	1	0	0	0	0	0	0	0
24H(0-24)	53	19.1	15.3	3.7	2	49	1	0	1	0	0	0	0	0	0	0
AM Peak	10:00	09:00	09:00	06:00	06:00	10:00	09:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	6	21.6	17.0	4.9	1	6	1	0	0	0	0	0	0	0	0	0
PM Peak	16:00	17:00	17:00	17:00	17:00	16:00	12:00	12:00	17:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	5	29.8	18.1	11.3	1	5	0	0	1	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	3	16.9	12.7	4.0	1	2	0	0	0	0	0	0	0	0	0	0
07:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
08:00	6	16.4	12.7	3.6	2	4	0	0	0	0	0	0	0	0	0	0
09:00	9	21.8	17.2	4.4	0	7	2	0	0	0	0	0	0	0	0	0
10:00	9	15.0	15.0	0.0	0	9	0	0	0	0	0	0	0	0	0	0
11:00	8	28.0	20.9	6.8	0	4	3	1	0	0	0	0	0	0	0	0
12:00	8	19.9	16.3	3.5	0	7	1	0	0	0	0	0	0	0	0	0
13:00	6	15.0	15.0	0.0	0	6	0	0	0	0	0	0	0	0	0	0
14:00	7	20.3	16.4	3.8	0	6	1	0	0	0	0	0	0	0	0	0
15:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
16:00	12	19.1	15.3	3.7	1	10	1	0	0	0	0	0	0	0	0	0
17:00	8	29.0	19.4	9.2	1	4	2	0	1	0	0	0	0	0	0	0
18:00	6	15.0	15.0	0.0	0	6	0	0	0	0	0	0	0	0	0	0
19:00	5	21.6	17.0	4.5	0	4	1	0	0	0	0	0	0	0	0	0
20:00	5	15.0	15.0	0.0	0	5	0	0	0	0	0	0	0	0	0	0
21:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
22:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	17	23.4	17.8	5.4	0	13	3	1	0	0	0	0	0	0	0	0
2H(14-16)	9	19.6	16.1	3.3	0	8	1	0	0	0	0	0	0	0	0	0
12H(7-19)	84	21.2	16.3	4.7	4	68	10	1	1	0	0	0	0	0	0	0
24H(0-24)	102	21.1	16.3	4.6	5	82	13	1	1	0	0	0	0	0	0	0
AM Peak	09:00	11:00	11:00	11:00	08:00	10:00	11:00	11:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	9	28.0	20.9	6.8	2	9	3	1	0	0	0	0	0	0	0	0
PM Peak	16:00	17:00	22:00	17:00	16:00	16:00	17:00	12:00	17:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00

Luffenhall ATC

Direction: Northbound

05/07/2026																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	1	-	8.0	-	1	0	0	0	0	0	0	0	0	0	0	0
09:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
10:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
11:00	1	-	8.0	-	1	0	0	0	0	0	0	0	0	0	0	0
12:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
13:00	7	25.1	16.3	8.5	3	1	3	0	0	0	0	0	0	0	0	0
14:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
15:00	2	16.6	11.5	4.9	1	1	0	0	0	0	0	0	0	0	0	0
16:00	6	25.7	20.0	5.5	0	3	3	0	0	0	0	0	0	0	0	0
17:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
18:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
19:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
20:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	3	16.9	12.7	4.0	1	2	0	0	0	0	0	0	0	0	0	0
2H(14-16)	4	16.9	13.3	3.5	1	3	0	0	0	0	0	0	0	0	0	0
12H(7-19)	27	21.7	15.7	5.8	6	15	6	0	0	0	0	0	0	0	0	0
24H(0-24)	34	21.4	15.8	5.4	6	21	7	0	0	0	0	0	0	0	0	0
AM Peak	10:00 2	10:00 15.0	01:00 15.0	10:00 0.0	08:00 1	10:00 2	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 7	16:00 25.7	16:00 20.0	13:00 8.5	13:00 3	16:00 3	13:00 3	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
10:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
11:00	6	20.8	14.3	6.3	2	3	1	0	0	0	0	0	0	0	0	0
12:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
13:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
14:00	2	16.6	11.5	4.9	1	1	0	0	0	0	0	0	0	0	0	0
15:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
16:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
17:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
18:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
19:00	2	15.0	15.0	0.0	0	1	0	0	0	0	0	0	0	0	0	0
20:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
22:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	7	20.3	14.4	5.7	2	4	1	0	0	0	0	0	0	0	0	0
2H(14-16)	4	23.0	15.8	7.0	1	2	1	0	0	0	0	0	0	0	0	0
12H(7-19)	20	21.4	16.0	5.3	3	13	4	0	0	0	0	0	0	0	0	0
24H(0-24)	25	20.6	15.8	4.7	3	18	4	0	0	0	0	0	0	0	0	0
AM Peak	11:00 6	11:00 20.8	09:00 25.0	11:00 6.3	11:00 2	11:00 3	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	12:00 4	15:00 27.3	15:00 20.0	15:00 7.1	14:00 1	12:00 3	12:00 1	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
08:00	1	-	8.0	-	1	0	0	0	0	0	0	0	0	0	0	0
09:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
10:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
11:00	7	19.8	13.4	6.2	3	3	1	0	0	0	0	0	0	0	0	0
12:00	6	20.9	16.7	4.1	0	5	1	0	0	0	0	0	0	0	0	0
13:00	7	25.1	16.3	8.5	3	1	3	0	0	0	0	0	0	0	0	0
14:00	4	16.9	13.3	3.5	1	3	0	0	0	0	0	0	0	0	0	0
15:00	4	23.0	15.8	7.0	1	2	1	0	0	0	0	0	0	0	0	0
16:00	8	24.1	18.8	5.2	0	5	3	0	0	0	0	0	0	0	0	0
17:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
18:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
19:00	6	20.9	16.7	4.1	0	5	1	0	0	0	0	0	0	0	0	0
20:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
21:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
22:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total 2H(10-12)	10	19.2	13.9	5.1	3	6	1	0	0	0	0	0	0	0	0	0
2H(14-16)	8	20.0	14.5	5.3	2	5	1	0	0	0	0	0	0	0	0	0
12H(7-19)	47	21.5	15.8	5.5	9	28	10	0	0	0	0	0	0	0	0	0
24H(0-24)	59	21.1	15.8	5.1	9	39	11	0	0	0	0	0	0	0	0	0
AM Peak	11:00 7	09:00 27.3	09:00 20.0	09:00 7.1	11:00 3	10:00 3	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	16:00 8	13:00 25.1	16:00 18.8	13:00 8.5	13:00 3	12:00 5	13:00 3	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Luffenhall ATC

Direction: Northbound

06/07/2026																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
08:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
09:00	5	24.7	19.0	5.5	0	3	2	0	0	0	0	0	0	0	0	0
10:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
11:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
12:00	3	27.7	21.7	5.8	0	1	2	0	0	0	0	0	0	0	0	0
13:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
14:00	6	23.9	16.0	7.6	2	2	2	0	0	0	0	0	0	0	0	0
15:00	4	22.7	17.5	5.0	0	3	1	0	0	0	0	0	0	0	0	0
16:00	8	19.9	16.3	3.5	0	7	1	0	0	0	0	0	0	0	0	0
17:00	6	15.0	15.0	0.0	0	6	0	0	0	0	0	0	0	0	0	0
18:00	3	24.3	18.3	5.8	0	2	1	0	0	0	0	0	0	0	0	0
19:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
20:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
2H(14-16)	10	23.3	16.6	6.4	2	5	3	0	0	0	0	0	0	0	0	0
12H(7-19)	43	22.2	17.2	4.8	2	30	11	0	0	0	0	0	0	0	0	0
24H(0-24)	48	21.8	17.0	4.6	2	35	11	0	0	0	0	0	0	0	0	0
AM Peak	09:00	09:00	09:00	09:00	00:00	07:00	09:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	5	24.7	19.0	5.5	0	3	2	0	0	0	0	0	0	0	0	0
PM Peak	16:00	12:00	13:00	14:00	14:00	16:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	8	27.7	25.0	7.6	2	7	2	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
08:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
09:00	3	27.7	21.7	5.8	0	1	2	0	0	0	0	0	0	0	0	0
10:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
11:00	1	-	15.0	-	1	4	0	0	0	0	0	0	0	0	0	0
12:00	5	16.8	13.6	3.1	1	4	0	0	0	0	0	0	0	0	0	0
13:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
14:00	5	16.2	12.2	3.8	2	3	0	0	0	0	0	0	0	0	0	0
15:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
16:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
17:00	8	20.0	14.5	5.3	2	5	1	0	0	0	0	0	0	0	0	0
18:00	3	16.9	12.7	4.0	1	2	0	0	0	0	0	0	0	0	0	0
19:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
20:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
2H(14-16)	8	16.6	13.3	3.2	2	6	0	0	0	0	0	0	0	0	0	0
12H(7-19)	38	18.8	14.7	4.0	6	29	3	0	0	0	0	0	0	0	0	0
24H(0-24)	44	19.1	15.0	4.0	6	34	4	0	0	0	0	0	0	0	0	0
AM Peak	09:00	09:00	05:00	09:00	00:00	07:00	09:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	3	27.7	25.0	5.8	0	2	2	0	0	0	0	0	0	0	0	0
PM Peak	17:00	17:00	13:00	17:00	14:00	17:00	17:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	8	20.0	15.0	5.3	2	5	1	0	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	25.0	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	6	20.9	16.7	4.1	0	5	1	0	0	0	0	0	0	0	0	0
08:00	4	15.0	15.0	0.0	0	4	0	0	0	0	0	0	0	0	0	0
09:00	8	25.5	20.0	5.3	0	4	4	0	0	0	0	0	0	0	0	0
10:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
11:00	2	15.0	15.0	0.0	0	2	0	0	0	0	0	0	0	0	0	0
12:00	8	22.5	16.6	5.7	1	5	2	0	0	0	0	0	0	0	0	0
13:00	2	27.3	20.0	7.1	0	1	1	0	0	0	0	0	0	0	0	0
14:00	11	20.7	14.3	6.2	4	5	2	0	0	0	0	0	0	0	0	0
15:00	7	20.3	16.4	3.8	0	6	1	0	0	0	0	0	0	0	0	0
16:00	12	18.8	15.8	2.9	0	11	1	0	0	0	0	0	0	0	0	0
17:00	14	18.7	14.7	3.9	2	11	1	0	0	0	0	0	0	0	0	0
18:00	6	21.1	15.5	5.4	1	4	1	0	0	0	0	0	0	0	0	0
19:00	7	15.0	15.0	0.0	0	7	0	0	0	0	0	0	0	0	0	0
20:00	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	3	15.0	15.0	0.0	0	3	0	0	0	0	0	0	0	0	0	0
2H(14-16)	18	20.7	15.1	5.4	4	11	3	0	0	0	0	0	0	0	0	0
12H(7-19)	81	20.8	16.0	4.6	8	59	14	0	0	0	0	0	0	0	0	0
24H(0-24)	92	20.6	16.0	4.4	8	69	15	0	0	0	0	0	0	0	0	0
AM Peak	09:00	09:00	05:00	09:00	00:00	07:00	09:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	8	25.5	25.0	5.3	0	5	4	0	0	0	0	0	0	0	0	0
PM Peak	17:00	13:00	13:00	13:00	14:00	16:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	14	27.3	20.0	7.1	4	11	2	0	0	0	0	0	0	0	0	0

APPENDIX B

A3

ORIGINAL
PLOT SIZE

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NOTES:



2.4m x 50m visibility splay

Rev	Date	Details	Drawn by	Checked by	Approved by

Bristol
Cambridge
London
Welwyn Garden City



1 Giltspur Street
London
EC1A 9DD
020 7119 1155
www.tpa.uk.com

CLIENT

PROJECT

PROJECT:
Land south of Long Acre
Luffenhall

TITLE:

Visibility splays at site access

STATUS:

FOR INFORMATION

SCALE: 1:250	DATE: 20/07/26	DRAWN: NH	CHECKED: -	APPROVED: NH
JOB NO: 2606-034		DRAWING NO: VS01		REVISION: -



INDICATIVE

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