

Technical Appendix 14-3 Traffic Flow Survey Report

EIAR – Volume 3

Muingmore Wind Farm

SLR Project No.: 501.065301.00001

April 2026

To: Gerald O'Reilly
From: Chizaram Iheanetu
Company: SLR Consulting Limited
cc: Joanna Read
Date: 21 April 2026
Project No. 501.065301.0001
RE: Muingmore Traffic Surveys Summary Memorandum

Background

Traffic surveys were conducted for Muingmore Wind Farm using Automatic Traffic Counters (ATC) placed at three locations as seen in Figure 1 below where:

- **Location 1** refers to a section along the N59 approximately 1.6km from its junction with the R313 in the eastbound direction.
- **Location 2** refers to a section of the L1206 approximately 1.2km south west of Mount Jubilee and 900 south of Tristia.
- **Location 3** refers to a section of the L5252 approximately 850m southeast of Site Entrance 3.

Figure 1: Survey Locations



The ATCs were in place from Monday 27th November 2023 to Sunday 3rd December 2023. The full traffic survey reports are also attached as **Appendix A** for reference.

1.1 N59

A summary of a 24-hour weekday traffic flow along the N59 has been provided in **Table 1** below:

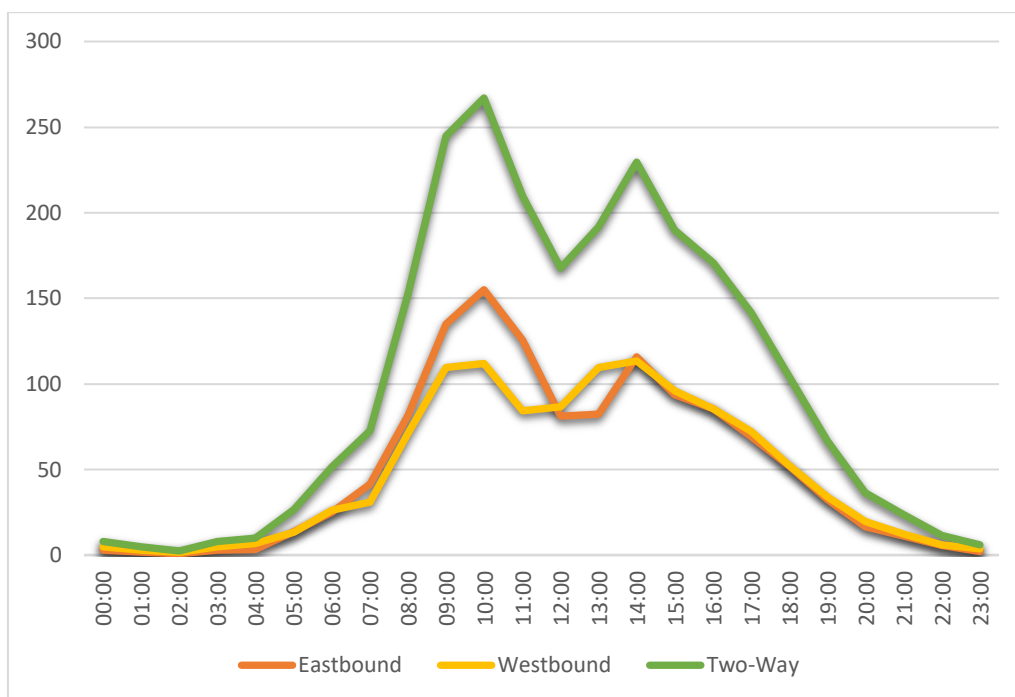
Table 1: N59 Traffic Survey

Period	Eastbound			Westbound			Two-Way		
	Total	HGV	%HGV	Total	HGV	%HGV	Total	HGV	%HGV
24 Hour	1237	81	7%	1159	85	7%	2397	165	7%
12 Hour	1118	74	7%	1023	65	6%	2142	139	6%

The Table shows that 2397 vehicles were recorded along this section of the N59 during an average weekday including 165 HGVs. During the peak hours, 267 vehicles were recorded between 10:00 – 11:00 during the AM peak period and 229 vehicles were recorded during the PM peak period between 14:00 - 15:00.

A traffic profile is provided below in **Figure 2**.

Figure 2: N59 Traffic Profile



Speed performance of the N59 has been measured and is summarised in **Table 2** below:

Table 2: N59 Speed Survey

Speed in Kph	Eastbound	Westbound	Two-Way
85th Percentile Speed	94.1	89.3	92.1
Average Speed	81.1	75.3	78.3

The Table demonstrates that 2,037 (85% of traffic) vehicles out of the total weekday average of 2,397 vehicles travelling along the N59 did not exceed speeds of 92 kph, which is significantly higher than the national speed limit of 80kph, to which the road is subject.

1.2 L1206

A summary of a 24-hour weekday traffic flow along the L1206 has been provided in the **Table 3** below:



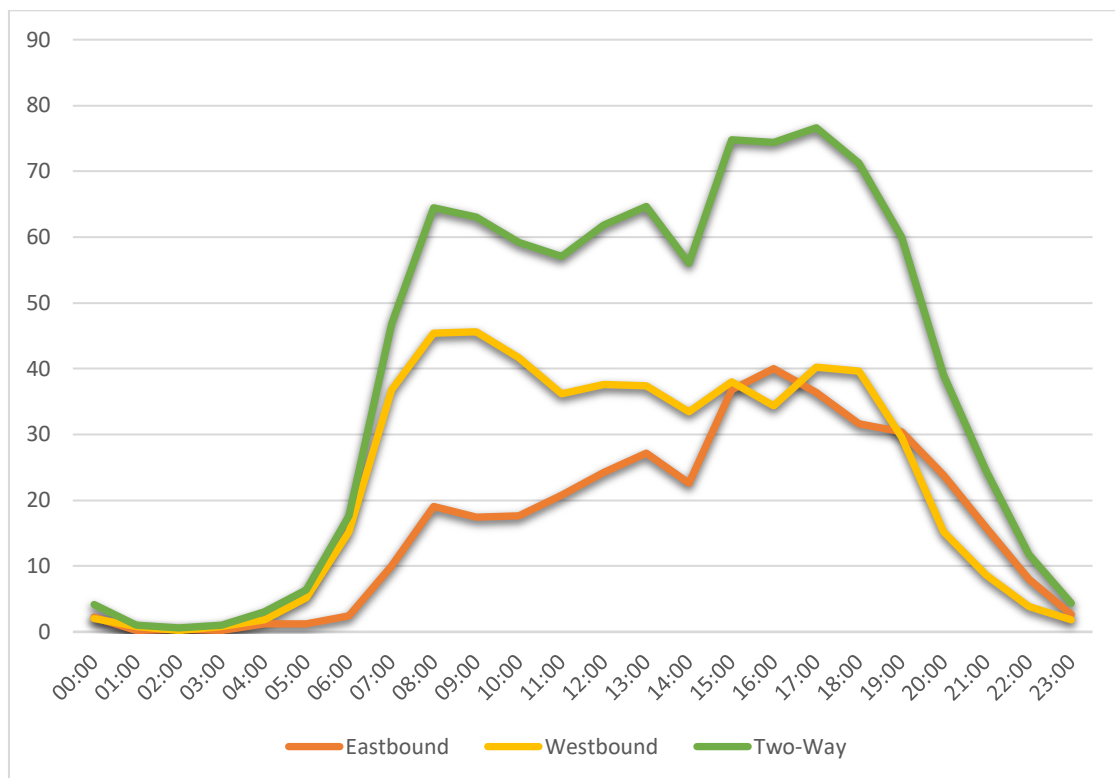
Table 3: L1206 Traffic Survey

Period	Eastbound			Westbound			Two-Way		
	Total	HGV	%HGV	Total	HGV	%HGV	Total	HGV	%HGV
24 Hour	392	19	5%	551	25	5%	943	44	5%
12 Hour	304	18	6%	466	22	5%	770	39	5%

The Table shows that 943 vehicles were recorded along this section of the L1206 with 44 HGVs recorded. During the AM peak period between 08:00 – 09:00, 64 vehicles were recorded whereas 77 vehicles were recorded for the PM peak period between 17:00 - 18:00.

A traffic profile is provided below in **Figure 3**.

Figure 3: L1206 Traffic Profile



Speed performance of the L1206 has been measured and is summarised in **Table 4** below:

Table 4: L1206 Speed Survey

Speed in Kph	Eastbound	Westbound	Two-Way
85th Percentile Speed	57.3	63.4	61.3
Average Speed	52.3	56.2	54.5

The Table demonstrates that 802 vehicles (85% of traffic) out of the total weekday average of 943 vehicles travelling along the L1206 do not exceed 61.3 kph) which is slightly higher than the national speed limit to which the road is subject.

1.3 L5252

A summary of a 24-hour weekday traffic flow along the L5252 has been provided in **Table 5** below:



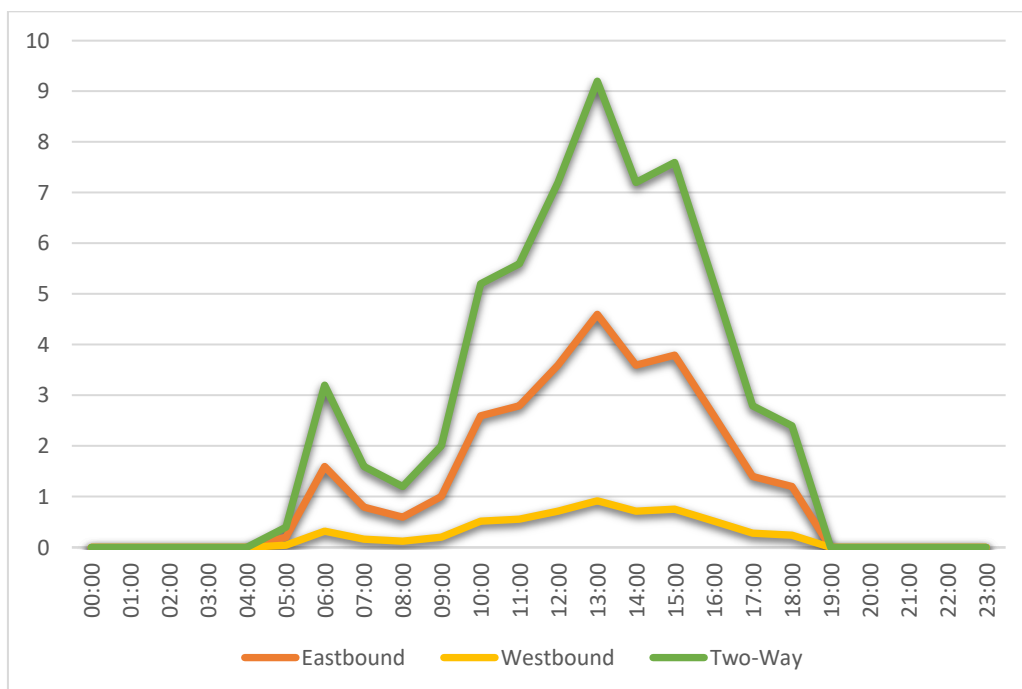
Table 5: L5252 Traffic Survey

Period	Eastbound			Westbound			Two-Way		
	Total	HGV	%HGV	Total	HGV	%HGV	Total	HGV	%HGV
24 Hour	30	6	19%	30	6	19%	61	12	19%
12 Hour	29	6	20%	29	6	20%	57	12	20%

The Table shows minimal traffic flow with 61 vehicles passing along this section of the L5252 with 12 HGVs recorded. During the AM peak period between 11:00 – 12:00, only 6 vehicles were recorded whereas 9 vehicles were recorded between 13:00 – 14:00 for the PM peak period.

A traffic profile is provided in **Figure 4** below.

Figure 4: L5252 Traffic Profile



Speed performance of the track road has been measured and is summarised in **Table 6** below:

Table 6: L5252 Speed Survey

Speed in Kph	Eastbound	Westbound	Two-Way
85th Percentile Speed	50.0	50.0	49.9
Average Speed	42.3	42.3	42.3

The Table above details demonstrates 52 vehicles (85% of traffic) out of the total weekday average of 61 vehicles travelling along the L5252 west of the L1206 move at speeds not exceeding 31.0 mph (49.8 kph) which is significantly lower than the national speed limit, for rural local roads, to which the road is subject.



Appendix A - Traffic Survey Reports



ATC 1

Muingmore ATC 1

Flow Summary

Direction: Eastbound

Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	5-Day Ave.	7-Day Ave.
00:00	11	1	0	1	2	0	2	3	2
01:00	2	1	1	3	2	1	1	2	2
02:00	1	1	0	1	1	1	1	1	1
03:00	2	6	2	3	2	4	4	3	3
04:00	0	5	5	0	7	3	1	3	3
05:00	5	27	12	9	15	11	13	14	13
06:00	7	38	20	24	37	30	24	25	26
07:00	20	28	50	40	70	47	59	42	45
08:00	54	75	68	85	125	82	93	81	83
09:00	108	109	106	131	221	95	110	135	126
10:00	143	119	132	155	226	104	159	155	148
11:00	121	87	106	129	185	89	105	126	117
12:00	75	82	79	85	85	61	73	81	77
13:00	88	82	81	90	71	76	71	82	80
14:00	115	91	133	124	117	103	86	116	110
15:00	90	92	94	108	85	93	109	94	96
16:00	92	91	76	89	79	84	92	85	86
17:00	85	79	66	67	49	67	58	69	67
18:00	52	55	56	57	39	44	38	52	49
19:00	41	27	25	33	37	30	21	33	31
20:00	19	13	14	22	15	20	21	17	18
21:00	10	8	11	15	12	9	17	11	12
22:00	4	7	5	7	5	1	1	6	4
23:00	2	1	4	2	2	0	0	2	2
Total									
12H(7-19)	1043	990	1047	1160	1352	945	1053	1118	1084
16H(6-22)	1120	1076	1117	1254	1453	1034	1136	1204	1170
18H(6-24)	1126	1084	1126	1263	1460	1035	1137	1212	1176
24H(0-24)	1147	1125	1146	1280	1489	1055	1159	1237	1200
AM Peak	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00
	143	119	132	155	226	104	159	155	148
PM Peak	14:00	15:00	14:00	14:00	14:00	14:00	15:00	14:00	14:00
	115	92	133	124	117	103	109	116	110

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Direction: Total Flow

Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	5-Day Ave.	7-Day Ave.
00:00	16	7	4	8	4	2	7	8	7
01:00	5	6	3	8	2	2	5	5	4
02:00	1	2	2	2	5	2	4	2	3
03:00	4	12	7	8	8	11	10	8	9
04:00	3	15	11	6	15	13	11	10	11
05:00	7	55	26	26	20	22	28	27	26
06:00	16	82	47	58	55	64	59	52	54
07:00	38	66	89	83	86	80	91	72	76
08:00	108	176	145	152	182	171	158	153	156
09:00	211	222	215	221	354	229	217	245	238
10:00	253	235	241	268	338	202	280	267	260
11:00	184	170	196	195	304	159	183	210	199
12:00	156	170	148	178	187	158	157	168	165
13:00	165	165	167	217	245	156	148	192	180
14:00	188	197	222	241	299	195	178	229	217
15:00	156	176	176	215	226	196	218	190	195
16:00	156	157	153	183	205	160	177	171	170
17:00	149	148	124	146	140	126	116	141	136
18:00	92	110	96	127	96	78	79	104	97
19:00	78	50	61	85	60	48	43	67	61
20:00	36	29	43	48	26	34	36	36	36
21:00	26	16	22	33	20	17	26	23	23
22:00	11	16	7	15	8	7	3	11	10
23:00	5	4	8	7	5	1	0	6	4
Total									
12H(7-19)	1856	1992	1972	2226	2662	1910	2002	2142	2089
16H(6-22)	2012	2169	2145	2450	2823	2073	2166	2320	2263
18H(6-24)	2028	2189	2160	2472	2836	2081	2169	2337	2276
24H(0-24)	2064	2286	2213	2530	2890	2133	2234	2397	2336
AM Peak	10:00	10:00	10:00	10:00	09:00	09:00	10:00	10:00	10:00
	253	235	241	268	354	229	280	267	260
PM Peak	14:00	14:00	14:00	14:00	14:00	15:00	15:00	14:00	14:00
	188	197	222	241	299	196	218	229	217

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Direction: Westbound

Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	5-Day Ave.	7-Day Ave.
00:00	5	6	4	7	2	2	5	5	4
01:00	3	5	2	5	0	1	4	3	3
02:00	0	1	2	1	4	1	3	2	2
03:00	2	6	5	5	6	7	6	5	5
04:00	3	10	6	6	8	10	10	7	8
05:00	2	28	14	17	5	11	15	13	13
06:00	9	44	27	34	18	34	35	26	29
07:00	18	38	39	43	16	33	32	31	31
08:00	54	101	77	67	57	89	65	71	73
09:00	103	113	109	90	133	134	107	110	113
10:00	110	116	109	113	112	98	121	112	111
11:00	63	83	90	66	119	70	78	84	81
12:00	81	88	69	93	102	97	84	87	88
13:00	77	83	86	127	174	80	77	109	101
14:00	73	106	89	117	182	92	92	113	107
15:00	66	84	82	107	141	103	109	96	99
16:00	64	66	77	94	126	76	85	85	84
17:00	64	69	58	79	91	59	58	72	68
18:00	40	55	40	70	57	34	41	52	48
19:00	37	23	36	52	23	18	22	34	30
20:00	17	16	29	26	11	14	15	20	18
21:00	16	8	11	18	8	8	9	12	11
22:00	7	9	2	8	3	6	2	6	5
23:00	3	3	4	5	3	1	0	4	3
Total									
12H(7-19)	813	1002	925	1066	1310	965	949	1023	1004
16H(6-22)	892	1093	1028	1196	1370	1039	1030	1116	1093
18H(6-24)	902	1105	1034	1209	1376	1046	1032	1125	1101
24H(0-24)	917	1161	1067	1250	1401	1078	1075	1159	1136
AM Peak	10:00	10:00	09:00	10:00	09:00	09:00	10:00	10:00	09:00
	110	116	109	113	133	134	121	112	113
PM Peak	12:00	14:00	14:00	13:00	14:00	15:00	15:00	14:00	14:00
	81	106	89	127	182	103	109	113	107

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Muingmore ATC 1

Class Summary

Direction: Eastbound

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	1147	1091	11	31	14
Tue 28 Nov 2023	1125	1034	19	59	13
Wed 29 Nov 2023	1146	1058	22	47	19
Thu 30 Nov 2023	1280	1205	12	53	10
Fri 1 Dec 2023	1489	1416	13	52	8
Sat 2 Dec 2023	1055	970	13	59	13
Sun 3 Dec 2023	1159	1062	20	64	13
5 Day Ave.	1237	1161	15	48	13
7 Day Ave.	1200	1119	16	52	13

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	95.1%	1.0%	2.7%	1.2%
Tue 28 Nov 2023	100.0%	91.9%	1.7%	5.2%	1.2%
Wed 29 Nov 2023	100.0%	92.3%	1.9%	4.1%	1.7%
Thu 30 Nov 2023	100.0%	94.1%	0.9%	4.1%	0.8%
Fri 1 Dec 2023	100.0%	95.1%	0.9%	3.5%	0.5%
Sat 2 Dec 2023	100.0%	91.9%	1.2%	5.6%	1.2%
Sun 3 Dec 2023	100.0%	91.6%	1.7%	5.5%	1.1%
5 Day Ave.	100.0%	93.8%	1.2%	3.9%	1.0%
7 Day Ave.	100.0%	93.3%	1.3%	4.3%	1.1%

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Direction: Westbound

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	917	859	11	43	4
Tue 28 Nov 2023	1161	1071	17	57	16
Wed 29 Nov 2023	1067	967	31	57	12
Thu 30 Nov 2023	1250	1167	18	55	10
Fri 1 Dec 2023	1401	1343	7	41	10
Sat 2 Dec 2023	1078	976	23	68	11
Sun 3 Dec 2023	1075	974	22	64	15
5 Day Ave.	1159	1081	17	51	10
7 Day Ave.	1136	1051	18	55	11

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	93.7%	1.2%	4.7%	0.4%
Tue 28 Nov 2023	100.0%	92.2%	1.5%	4.9%	1.4%
Wed 29 Nov 2023	100.0%	90.6%	2.9%	5.3%	1.1%
Thu 30 Nov 2023	100.0%	93.4%	1.4%	4.4%	0.8%
Fri 1 Dec 2023	100.0%	95.9%	0.5%	2.9%	0.7%
Sat 2 Dec 2023	100.0%	90.5%	2.1%	6.3%	1.0%
Sun 3 Dec 2023	100.0%	90.6%	2.0%	6.0%	1.4%
5 Day Ave.	100.0%	93.3%	1.4%	4.4%	0.9%
7 Day Ave.	100.0%	92.6%	1.6%	4.8%	1.0%

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Direction: Total Flow

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	2064	1950	22	74	18
Tue 28 Nov 2023	2286	2105	36	116	29
Wed 29 Nov 2023	2213	2025	53	104	31
Thu 30 Nov 2023	2530	2372	30	108	20
Fri 1 Dec 2023	2890	2759	20	93	18
Sat 2 Dec 2023	2133	1946	36	127	24
Sun 3 Dec 2023	2234	2036	42	128	28
5 Day Ave.	2397	2242	32	99	23
7 Day Ave.	2336	2170	34	107	24

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	94.5%	1.1%	3.6%	0.9%
Tue 28 Nov 2023	100.0%	92.1%	1.6%	5.1%	1.3%
Wed 29 Nov 2023	100.0%	91.5%	2.4%	4.7%	1.4%
Thu 30 Nov 2023	100.0%	93.8%	1.2%	4.3%	0.8%
Fri 1 Dec 2023	100.0%	95.5%	0.7%	3.2%	0.6%
Sat 2 Dec 2023	100.0%	91.2%	1.7%	6.0%	1.1%
Sun 3 Dec 2023	100.0%	91.1%	1.9%	5.7%	1.3%
5 Day Ave.	100.0%	93.6%	1.3%	4.1%	1.0%
7 Day Ave.	100.0%	92.9%	1.5%	4.6%	1.0%

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Muingmore ATC 1

(0-24) Speed Summary

Direction: Eastbound

	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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	1147	57.7	49.8	7.6	0	1	3	9	48	237	346	256	155	47	26	19
Tue 28 Nov 2023	1125	58.0	49.7	8.0	0	0	3	11	65	248	315	239	126	62	39	17
Wed 29 Nov 2023	1146	59.1	51.1	7.7	0	0	1	10	49	154	335	319	147	73	32	26
Thu 30 Nov 2023	1280	59.8	51.8	7.8	0	0	0	11	40	174	331	353	197	104	43	27
Fri 1 Dec 2023	1489	57.6	49.5	7.8	0	0	1	19	120	287	415	326	195	70	35	21
Sat 2 Dec 2023	1055	57.5	49.8	7.4	0	0	2	6	52	218	322	229	138	51	23	14
Sun 3 Dec 2023	1159	58.4	49.7	8.4	0	0	6	22	104	184	312	266	145	68	32	20
5 Day Ave.	1237	58.5	50.4	7.8	0	0	2	12	64	220	348	299	164	71	35	22
7 Day Ave.	1200	58.3	50.2	7.8	0	0	2	13	68	215	339	284	158	68	33	21

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Direction: Westbound

	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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	917	54.4	45.9	8.1	0	0	6	41	171	246	198	139	62	39	7	8
Tue 28 Nov 2023	1161	56.0	47.1	8.5	0	0	8	49	173	278	262	190	121	43	26	11
Wed 29 Nov 2023	1067	55.8	46.5	8.9	0	0	12	58	178	254	242	152	89	47	19	16
Thu 30 Nov 2023	1250	57.5	48.4	8.8	0	0	7	31	156	287	286	247	108	73	28	27
Fri 1 Dec 2023	1401	53.6	45.8	7.6	0	0	7	49	224	454	334	161	111	36	17	8
Sat 2 Dec 2023	1078	56.1	47.0	8.8	0	0	10	42	180	251	235	181	96	45	24	14
Sun 3 Dec 2023	1075	56.8	47.5	8.9	0	1	10	47	143	240	264	183	93	51	26	17
5 Day Ave.	1159	55.5	46.8	8.4	0	0	8	46	180	304	264	178	98	48	19	14
7 Day Ave.	1136	55.7	46.9	8.5	0	0	9	45	175	287	260	179	97	48	21	14

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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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	2064	56.5	48.1	8.1	0	1	9	50	219	483	544	395	217	86	33	27
Tue 28 Nov 2023	2286	57.1	48.4	8.4	0	0	11	60	238	526	577	429	247	105	65	28
Wed 29 Nov 2023	2213	57.8	48.9	8.6	0	0	13	68	227	408	577	471	236	120	51	42
Thu 30 Nov 2023	2530	58.9	50.1	8.5	0	0	7	42	196	461	617	600	305	177	71	54
Fri 1 Dec 2023	2890	55.9	47.7	7.9	0	0	8	68	344	741	749	487	306	106	52	29
Sat 2 Dec 2023	2133	56.9	48.4	8.3	0	0	12	48	232	469	557	410	234	96	47	28
Sun 3 Dec 2023	2234	57.7	48.7	8.7	0	1	16	69	247	424	576	449	238	119	58	37
5 Day Ave.	2397	57.2	48.6	8.3	0	0	10	58	245	524	613	476	262	119	54	36
7 Day Ave.	2336	57.3	48.6	8.4	0	0	11	58	243	502	600	463	255	116	54	35

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Muingmore ATC 1

(10-12) Speed Summary

Direction: Eastbound

	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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	264	55.7	49.5	6.0	0	0	0	0	2	63	94	58	35	5	7	0
Tue 28 Nov 2023	206	53.8	46.8	6.7	0	0	0	1	21	72	58	34	10	6	3	1
Wed 29 Nov 2023	238	55.8	50.1	5.5	0	0	0	0	3	34	92	68	32	7	1	1
Thu 30 Nov 2023	284	57.5	50.5	6.8	0	0	0	1	8	43	91	91	23	19	4	4
Fri 1 Dec 2023	411	53.8	46.8	6.8	0	0	0	8	56	103	126	73	34	5	5	1
Sat 2 Dec 2023	193	54.8	48.7	5.8	0	0	0	0	9	38	75	49	15	5	1	1
Sun 3 Dec 2023	264	55.0	46.9	7.7	0	0	4	11	39	39	76	65	22	5	2	1
5 Day Ave.	281	55.3	48.7	6.4	0	0	0	2	18	63	92	65	27	8	4	1
7 Day Ave.	266	55.2	48.5	6.5	0	0	1	3	20	56	87	63	24	7	3	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<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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	173	54.1	45.7	8.2	0	0	1	10	32	46	36	29	12	3	2	2
Tue 28 Nov 2023	199	52.7	44.9	7.5	0	0	3	10	38	57	45	27	12	6	1	0
Wed 29 Nov 2023	199	53.0	44.7	8.0	0	0	2	13	42	51	52	21	10	4	2	2
Thu 30 Nov 2023	179	52.4	44.5	7.5	0	0	2	14	39	39	40	32	10	2	1	0
Fri 1 Dec 2023	231	51.7	44.5	7.0	0	0	1	8	52	79	48	23	15	3	1	1
Sat 2 Dec 2023	168	51.1	43.3	7.5	0	0	3	9	57	37	26	23	11	2	0	0
Sun 3 Dec 2023	199	52.5	44.1	8.0	0	0	4	16	45	48	43	25	13	3	1	1
5 Day Ave.	196	52.8	44.9	7.6	0	0	2	11	41	54	44	26	12	4	1	1
7 Day Ave.	193	52.5	44.5	7.7	0	0	2	11	44	51	41	26	12	3	1	1

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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	437	55.4	48.0	7.2	0	0	1	10	34	109	130	87	47	8	9	2
Tue 28 Nov 2023	405	53.3	45.9	7.2	0	0	3	11	59	129	103	61	22	12	4	1
Wed 29 Nov 2023	437	55.1	47.6	7.3	0	0	2	13	45	85	144	89	42	11	3	3
Thu 30 Nov 2023	463	56.1	48.2	7.7	0	0	2	15	47	82	131	123	33	21	5	4
Fri 1 Dec 2023	642	53.2	46.0	6.9	0	0	1	16	108	182	174	96	49	8	6	2
Sat 2 Dec 2023	361	53.7	46.2	7.2	0	0	3	9	66	75	101	72	26	7	1	1
Sun 3 Dec 2023	463	54.0	45.7	8.0	0	0	8	27	84	87	119	90	35	8	3	2
5 Day Ave.	477	54.6	47.1	7.2	0	0	2	13	59	117	136	91	39	12	5	2
7 Day Ave.	458	54.4	46.8	7.3	0	0	3	14	63	107	129	88	36	11	4	2

Paul Castle Associates

Muingmore ATC 1

(14-16) Speed Summary

Direction: Eastbound

	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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	205	57.5	49.4	7.8	0	0	3	2	9	38	64	51	22	9	4	3
Tue 28 Nov 2023	183	56.7	48.5	7.9	0	0	3	5	9	38	51	53	11	8	3	2
Wed 29 Nov 2023	227	57.5	49.8	7.4	0	0	1	6	9	25	84	68	15	9	7	3
Thu 30 Nov 2023	232	58.4	51.6	6.6	0	0	0	0	5	25	72	73	34	13	8	2
Fri 1 Dec 2023	202	56.9	49.7	7.0	0	0	1	3	6	33	71	49	29	6	1	3
Sat 2 Dec 2023	196	56.1	48.7	7.1	0	0	0	0	12	51	63	40	18	6	3	3
Sun 3 Dec 2023	195	57.5	49.9	7.3	0	0	0	1	15	26	65	44	31	8	2	3
5 Day Ave.	210	57.4	49.8	7.3	0	0	2	3	8	32	68	59	22	9	5	3
7 Day Ave.	206	57.2	49.7	7.3	0	0	1	2	9	34	67	54	23	8	4	3

Paul Castle Associates

Direction: Westbound

	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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	139	52.0	44.6	7.2	0	0	1	4	36	39	32	13	9	5	0	0
Tue 28 Nov 2023	190	53.7	45.6	7.9	0	0	1	9	32	68	29	25	17	7	1	1
Wed 29 Nov 2023	171	54.0	45.9	7.8	0	0	1	7	29	52	37	20	19	3	2	1
Thu 30 Nov 2023	224	57.7	48.4	9.0	0	0	1	3	29	59	56	28	21	15	7	5
Fri 1 Dec 2023	323	51.6	44.7	6.7	0	0	2	16	47	120	82	27	22	7	0	0
Sat 2 Dec 2023	195	54.5	46.7	7.6	0	0	3	6	24	47	52	45	11	3	3	1
Sun 3 Dec 2023	201	54.0	45.6	8.1	0	0	3	12	27	59	48	32	11	5	2	2
5 Day Ave.	209	53.8	45.8	7.7	0	0	1	8	35	68	47	23	18	7	2	1
7 Day Ave.	206	54.0	45.9	7.8	0	0	2	8	32	63	48	27	16	6	2	1

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<65	Bin 11 65<70	Bin 12 >=70
Mon 27 Nov 2023	344	55.7	47.5	7.9	0	0	4	6	45	77	96	64	31	14	4	3
Tue 28 Nov 2023	373	55.3	47.0	8.0	0	0	4	14	41	106	80	78	28	15	4	3
Wed 29 Nov 2023	398	56.2	48.1	7.8	0	0	2	13	38	77	121	88	34	12	9	4
Thu 30 Nov 2023	456	58.3	50.0	8.0	0	0	1	3	34	84	128	101	55	28	15	7
Fri 1 Dec 2023	525	54.1	46.6	7.2	0	0	3	19	53	153	153	76	51	13	1	3
Sat 2 Dec 2023	391	55.4	47.7	7.4	0	0	3	6	36	98	115	85	29	9	6	4
Sun 3 Dec 2023	396	56.0	47.8	8.0	0	0	3	13	42	85	113	76	42	13	4	5
5 Day Ave.	419	55.9	47.8	7.8	0	0	3	11	42	99	116	81	40	16	7	4
7 Day Ave.	412	55.9	47.8	7.8	0	0	3	11	41	97	115	81	39	15	6	4

Paul Castle Associates

Muingmore ATC 1

Class 27 11 2023

Direction: Eastbound

27/11/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	11	0	0	0
01:00	2	1	0	1	0
02:00	1	1	0	0	0
03:00	2	2	0	0	0
04:00	0	0	0	0	0
05:00	5	5	0	0	0
06:00	7	6	0	1	0
07:00	20	19	0	1	0
08:00	54	53	1	0	0
09:00	108	101	1	6	0
10:00	143	130	3	7	3
11:00	121	114	1	3	3
12:00	75	72	0	3	0
13:00	88	86	1	0	1
14:00	115	114	0	0	1
15:00	90	86	2	2	0
16:00	92	85	1	3	3
17:00	85	82	0	2	1
18:00	52	50	0	1	1
19:00	41	40	0	1	0
20:00	19	19	0	0	0
21:00	10	10	0	0	0
22:00	4	3	0	0	1
23:00	2	1	1	0	0
Total					
12H(7-19)	1043	992	10	28	13
16H(6-22)	1120	1067	10	30	13
18H(6-24)	1126	1071	11	30	14
24H(0-24)	1147	1091	11	31	14
AM Peak	10:00 143	10:00 130	10:00 3	10:00 7	10:00 3
PM Peak	14:00 115	14:00 114	15:00 2	12:00 3	16:00 3

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	3	2	0	1	0
02:00	0	0	0	0	0
03:00	2	0	1	0	1
04:00	3	3	0	0	0
05:00	2	1	0	1	0
06:00	9	9	0	0	0
07:00	18	16	0	2	0
08:00	54	53	0	1	0
09:00	103	93	2	6	2
10:00	110	101	2	7	0
11:00	63	58	1	4	0
12:00	81	77	1	3	0
13:00	77	72	0	5	0
14:00	73	71	0	2	0
15:00	66	64	1	1	0
16:00	64	61	0	2	1
17:00	64	61	0	3	0
18:00	40	38	1	1	0
19:00	37	35	0	2	0
20:00	17	14	2	1	0
21:00	16	15	0	1	0
22:00	7	7	0	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	813	765	8	37	3
16H(6-22)	892	838	10	41	3
18H(6-24)	902	848	10	41	3
24H(0-24)	917	859	11	43	4
AM Peak	10:00 110	10:00 101	09:00 2	10:00 7	09:00 2
PM Peak	12:00 81	12:00 77	20:00 2	13:00 5	16:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	16	0	0	0
01:00	5	3	0	2	0
02:00	1	1	0	0	0
03:00	4	2	1	0	1
04:00	3	3	0	0	0
05:00	7	6	0	1	0
06:00	16	15	0	1	0
07:00	38	35	0	3	0
08:00	108	106	1	1	0
09:00	211	194	3	12	2
10:00	253	231	5	14	3
11:00	184	172	2	7	3
12:00	156	149	1	6	0
13:00	165	158	1	5	1
14:00	188	185	0	2	1
15:00	156	150	3	3	0
16:00	156	146	1	5	4
17:00	149	143	0	5	1
18:00	92	88	1	2	1
19:00	78	75	0	3	0
20:00	36	33	2	1	0
21:00	26	25	0	1	0
22:00	11	10	0	0	1
23:00	5	4	1	0	0
Total					
12H(7-19)	1856	1757	18	65	16
16H(6-22)	2012	1905	20	71	16
18H(6-24)	2028	1919	21	71	17
24H(0-24)	2064	1950	22	74	18
AM Peak	10:00 253	10:00 231	10:00 5	10:00 14	10:00 3
PM Peak	14:00 188	14:00 185	15:00 3	12:00 6	16:00 4

Paul Castle Associates

Muingmore ATC 1

Class 28 11 2023

Direction: Eastbound

28/11/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	1	1	0	0	0
02:00	1	0	0	1	0
03:00	6	4	0	1	1
04:00	5	5	0	0	0
05:00	27	24	0	1	2
06:00	38	35	2	1	0
07:00	28	26	0	1	1
08:00	75	66	3	5	1
09:00	109	100	2	7	0
10:00	119	111	0	6	2
11:00	87	77	2	6	2
12:00	82	74	2	6	0
13:00	82	77	2	3	0
14:00	91	84	1	6	0
15:00	92	86	0	5	1
16:00	91	85	2	3	1
17:00	79	75	3	1	0
18:00	55	50	0	3	2
19:00	27	26	0	1	0
20:00	13	12	0	1	0
21:00	8	7	0	1	0
22:00	7	7	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	990	911	17	52	10
16H(6-22)	1076	991	19	56	10
18H(6-24)	1084	999	19	56	10
24H(0-24)	1125	1034	19	59	13
AM Peak	10:00	10:00	08:00	09:00	05:00
	119	111	3	7	2
PM Peak	15:00	15:00	17:00	12:00	18:00
	92	86	3	6	2

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	6	0	0	0
01:00	5	5	0	0	0
02:00	1	0	1	0	0
03:00	6	5	0	1	0
04:00	10	7	1	2	0
05:00	28	22	0	5	1
06:00	44	40	2	0	2
07:00	38	30	3	5	0
08:00	101	95	3	3	0
09:00	113	106	1	5	1
10:00	116	103	3	8	2
11:00	83	78	1	3	1
12:00	88	83	0	4	1
13:00	83	79	0	2	2
14:00	106	99	2	4	1
15:00	84	76	0	6	2
16:00	66	65	0	1	0
17:00	69	66	0	3	0
18:00	55	53	0	2	0
19:00	23	21	0	0	2
20:00	16	15	0	1	0
21:00	8	6	0	2	0
22:00	9	9	0	0	0
23:00	3	2	0	0	1
Total					
12H(7-19)	1002	933	13	46	10
16H(6-22)	1093	1015	15	49	14
18H(6-24)	1105	1026	15	49	15
24H(0-24)	1161	1071	17	57	16
AM Peak	10:00	09:00	07:00	10:00	06:00
	116	106	3	8	2
PM Peak	14:00	14:00	14:00	15:00	13:00
	106	99	2	6	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	6	6	0	0	0
02:00	2	0	1	1	0
03:00	12	9	0	2	1
04:00	15	12	1	2	0
05:00	55	46	0	6	3
06:00	82	75	4	1	2
07:00	66	56	3	6	1
08:00	176	161	6	8	1
09:00	222	206	3	12	1
10:00	235	214	3	14	4
11:00	170	155	3	9	3
12:00	170	157	2	10	1
13:00	165	156	2	5	2
14:00	197	183	3	10	1
15:00	176	162	0	11	3
16:00	157	150	2	4	1
17:00	148	141	3	4	0
18:00	110	103	0	5	2
19:00	50	47	0	1	2
20:00	29	27	0	2	0
21:00	16	13	0	3	0
22:00	16	16	0	0	0
23:00	4	3	0	0	1
Total					
12H(7-19)	1992	1844	30	98	20
16H(6-22)	2169	2006	34	105	24
18H(6-24)	2189	2025	34	105	25
24H(0-24)	2286	2105	36	116	29
AM Peak	10:00	10:00	08:00	10:00	10:00
	235	214	6	14	4
PM Peak	14:00	14:00	14:00	15:00	15:00
	197	183	3	11	3

Paul Castle Associates

Muingmore ATC 1

Class 29 11 2023

Direction: Eastbound

29/11/2023

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	2	2	0	0	0
04:00	5	5	0	0	0
05:00	12	10	0	2	0
06:00	20	16	0	3	1
07:00	50	49	0	1	0
08:00	68	63	2	1	2
09:00	106	94	2	7	3
10:00	132	120	2	5	5
11:00	106	98	1	6	1
12:00	79	72	4	3	0
13:00	81	76	1	4	0
14:00	133	125	3	4	1
15:00	94	85	3	5	1
16:00	76	71	3	2	0
17:00	66	62	0	3	1
18:00	56	51	0	1	4
19:00	25	24	1	0	0
20:00	14	14	0	0	0
21:00	11	11	0	0	0
22:00	5	5	0	0	0
23:00	4	4	0	0	0
Total					
12H(7-19)	1047	966	21	42	18
16H(6-22)	1117	1031	22	45	19
18H(6-24)	1126	1040	22	45	19
24H(0-24)	1146	1058	22	47	19
AM Peak	10:00	10:00	08:00	09:00	10:00
	132	120	2	7	5
PM Peak	14:00	14:00	12:00	15:00	18:00
	133	125	4	5	4

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	1	0	0
01:00	2	2	0	0	0
02:00	2	2	0	0	0
03:00	5	3	2	0	0
04:00	6	4	1	1	0
05:00	14	9	1	2	2
06:00	27	21	5	1	0
07:00	39	33	0	6	0
08:00	77	68	2	7	0
09:00	109	98	4	5	2
10:00	109	97	2	8	2
11:00	90	79	5	4	2
12:00	69	62	3	3	1
13:00	86	83	1	2	0
14:00	89	79	2	6	2
15:00	82	82	0	0	0
16:00	77	75	0	2	0
17:00	58	55	0	3	0
18:00	40	36	0	3	1
19:00	36	34	0	2	0
20:00	29	29	0	0	0
21:00	11	9	1	1	0
22:00	2	2	0	0	0
23:00	4	2	1	1	0
Total					
12H(7-19)	925	847	19	49	10
16H(6-22)	1028	940	25	53	10
18H(6-24)	1034	944	26	54	10
24H(0-24)	1067	967	31	57	12
AM Peak	09:00	09:00	06:00	10:00	05:00
	109	98	5	8	2
PM Peak	14:00	13:00	12:00	14:00	14:00
	89	83	3	6	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	1	0	0
01:00	3	3	0	0	0
02:00	2	2	0	0	0
03:00	7	5	2	0	0
04:00	11	9	1	1	0
05:00	26	19	1	4	2
06:00	47	37	5	4	1
07:00	89	82	0	7	0
08:00	145	131	4	8	2
09:00	215	192	6	12	5
10:00	241	217	4	13	7
11:00	196	177	6	10	3
12:00	148	134	7	6	1
13:00	167	159	2	6	0
14:00	222	204	5	10	3
15:00	176	167	3	5	1
16:00	153	146	3	4	0
17:00	124	117	0	6	1
18:00	96	87	0	4	5
19:00	61	58	1	2	0
20:00	43	43	0	0	0
21:00	22	20	1	1	0
22:00	7	7	0	0	0
23:00	8	6	1	1	0
Total					
12H(7-19)	1972	1813	40	91	28
16H(6-22)	2145	1971	47	98	29
18H(6-24)	2160	1984	48	99	29
24H(0-24)	2213	2025	53	104	31
AM Peak	10:00	10:00	09:00	10:00	10:00
	241	217	6	13	7
PM Peak	14:00	14:00	12:00	14:00	18:00
	222	204	7	10	5

Paul Castle Associates

Muingmore ATC 1

Class 30 11 2023

Direction: Eastbound

30/11/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	3	3	0	0	0
02:00	1	1	0	0	0
03:00	3	3	0	0	0
04:00	0	0	0	0	0
05:00	9	8	0	1	0
06:00	24	22	0	2	0
07:00	40	37	2	1	0
08:00	85	76	0	5	4
09:00	131	124	1	5	1
10:00	155	144	0	8	3
11:00	129	121	1	6	1
12:00	85	81	0	3	1
13:00	90	85	0	5	0
14:00	124	119	1	4	0
15:00	108	102	1	5	0
16:00	89	82	4	3	0
17:00	67	64	1	2	0
18:00	57	55	0	2	0
19:00	33	32	0	1	0
20:00	22	21	1	0	0
21:00	15	15	0	0	0
22:00	7	7	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	1160	1090	11	49	10
16H(6-22)	1254	1180	12	52	10
18H(6-24)	1263	1189	12	52	10
24H(0-24)	1280	1205	12	53	10
AM Peak	10:00 155	10:00 144	07:00 2	10:00 8	08:00 4
PM Peak	14:00 124	14:00 119	16:00 4	13:00 5	12:00 1

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	5	5	0	0	0
02:00	1	1	0	0	0
03:00	5	2	2	0	1
04:00	6	5	0	1	0
05:00	17	8	2	5	2
06:00	34	29	1	4	0
07:00	43	39	1	2	1
08:00	67	62	0	4	1
09:00	90	82	3	5	0
10:00	113	102	2	8	1
11:00	66	61	1	4	0
12:00	93	85	2	5	1
13:00	127	120	0	6	1
14:00	117	114	1	2	0
15:00	107	102	3	2	0
16:00	94	93	0	1	0
17:00	79	76	0	2	1
18:00	70	69	0	1	0
19:00	52	51	0	1	0
20:00	26	25	0	1	0
21:00	18	17	0	0	1
22:00	8	7	0	1	0
23:00	5	5	0	0	0
Total					
12H(7-19)	1066	1005	13	42	6
16H(6-22)	1196	1127	14	48	7
18H(6-24)	1209	1139	14	49	7
24H(0-24)	1250	1167	18	55	10
AM Peak	10:00 113	10:00 102	09:00 3	10:00 8	05:00 2
PM Peak	13:00 127	13:00 120	15:00 3	13:00 6	12:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	8	8	0	0	0
02:00	2	2	0	0	0
03:00	8	5	2	0	1
04:00	6	5	0	1	0
05:00	26	16	2	6	2
06:00	58	51	1	6	0
07:00	83	76	3	3	1
08:00	152	138	0	9	5
09:00	221	206	4	10	1
10:00	268	246	2	16	4
11:00	195	182	2	10	1
12:00	178	166	2	8	2
13:00	217	205	0	11	1
14:00	241	233	2	6	0
15:00	215	204	4	7	0
16:00	183	175	4	4	0
17:00	146	140	1	4	1
18:00	127	124	0	3	0
19:00	85	83	0	2	0
20:00	48	46	1	1	0
21:00	33	32	0	0	1
22:00	15	14	0	1	0
23:00	7	7	0	0	0
Total					
12H(7-19)	2226	2095	24	91	16
16H(6-22)	2450	2307	26	100	17
18H(6-24)	2472	2328	26	101	17
24H(0-24)	2530	2372	30	108	20
AM Peak	10:00 268	10:00 246	09:00 4	10:00 16	08:00 5
PM Peak	14:00 241	14:00 233	15:00 4	13:00 11	12:00 2

Paul Castle Associates

Muingmore ATC 1

Class 01 12 2023

Direction: Eastbound

01/12/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	2	1	1	0	0
04:00	7	7	0	0	0
05:00	15	15	0	0	0
06:00	37	35	0	2	0
07:00	70	62	0	7	1
08:00	125	118	2	4	1
09:00	221	214	0	7	0
10:00	226	217	2	7	0
11:00	185	171	1	10	3
12:00	85	82	0	2	1
13:00	71	69	0	2	0
14:00	117	113	1	2	1
15:00	85	79	3	3	0
16:00	79	74	1	3	1
17:00	49	49	0	0	0
18:00	39	37	0	2	0
19:00	37	36	1	0	0
20:00	15	14	1	0	0
21:00	12	11	0	1	0
22:00	5	5	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	1352	1285	10	49	8
16H(6-22)	1453	1381	12	52	8
18H(6-24)	1460	1388	12	52	8
24H(0-24)	1489	1416	13	52	8
AM Peak	10:00 226	10:00 217	08:00 2	11:00 10	11:00 3
PM Peak	14:00 117	14:00 113	15:00 3	15:00 3	12:00 1

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	0	0	0	0	0
02:00	4	3	0	1	0
03:00	6	5	1	0	0
04:00	8	6	1	1	0
05:00	5	4	0	1	0
06:00	18	16	1	1	0
07:00	16	14	2	0	0
08:00	57	54	0	2	1
09:00	133	122	1	10	0
10:00	112	110	0	1	1
11:00	119	112	0	5	2
12:00	102	93	0	6	3
13:00	174	168	0	3	3
14:00	182	180	0	2	0
15:00	141	140	0	1	0
16:00	126	124	0	2	0
17:00	91	89	0	2	0
18:00	57	55	0	2	0
19:00	23	23	0	0	0
20:00	11	10	0	1	0
21:00	8	8	0	0	0
22:00	3	3	0	0	0
23:00	3	2	1	0	0
Total					
12H(7-19)	1310	1261	3	36	10
16H(6-22)	1370	1318	4	38	10
18H(6-24)	1376	1323	5	38	10
24H(0-24)	1401	1343	7	41	10
AM Peak	09:00 133	09:00 122	07:00 2	09:00 10	11:00 2
PM Peak	14:00 182	14:00 180	23:00 1	12:00 6	12:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	2	2	0	0	0
02:00	5	4	0	1	0
03:00	8	6	2	0	0
04:00	15	13	1	1	0
05:00	20	19	0	1	0
06:00	55	51	1	3	0
07:00	86	76	2	7	1
08:00	182	172	2	6	2
09:00	354	336	1	17	0
10:00	338	327	2	8	1
11:00	304	283	1	15	5
12:00	187	175	0	8	4
13:00	245	237	0	5	3
14:00	299	293	1	4	1
15:00	226	219	3	4	0
16:00	205	198	1	5	1
17:00	140	138	0	2	0
18:00	96	92	0	4	0
19:00	60	59	1	0	0
20:00	26	24	1	1	0
21:00	20	19	0	1	0
22:00	8	8	0	0	0
23:00	5	4	1	0	0
Total					
12H(7-19)	2662	2546	13	85	18
16H(6-22)	2823	2699	16	90	18
18H(6-24)	2836	2711	17	90	18
24H(0-24)	2890	2759	20	93	18
AM Peak	09:00 354	09:00 336	03:00 2	09:00 17	11:00 5
PM Peak	14:00 299	14:00 293	15:00 3	12:00 8	12:00 4

Paul Castle Associates

Muingmore ATC 1

Class 02 12 2023

Direction: Eastbound

02/12/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	1	0	0	0
02:00	1	1	0	0	0
03:00	4	4	0	0	0
04:00	3	2	0	1	0
05:00	11	10	0	0	1
06:00	30	29	0	1	0
07:00	47	46	0	1	0
08:00	82	77	1	2	2
09:00	95	88	1	5	1
10:00	104	90	2	11	1
11:00	89	83	0	5	1
12:00	61	55	1	3	2
13:00	76	68	2	5	1
14:00	103	94	3	5	1
15:00	93	81	3	7	2
16:00	84	78	0	5	1
17:00	67	66	0	1	0
18:00	44	42	0	2	0
19:00	30	27	0	3	0
20:00	20	20	0	0	0
21:00	9	7	0	2	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	945	868	13	52	12
16H(6-22)	1034	951	13	58	12
18H(6-24)	1035	952	13	58	12
24H(0-24)	1055	970	13	59	13
AM Peak	10:00 104	10:00 90	10:00 2	10:00 11	08:00 2
PM Peak	14:00 103	14:00 94	14:00 3	15:00 7	12:00 2

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	1	1	0	0	0
02:00	1	0	1	0	0
03:00	7	5	0	1	1
04:00	10	9	1	0	0
05:00	11	4	3	3	1
06:00	34	23	1	8	2
07:00	33	27	3	3	0
08:00	89	80	4	5	0
09:00	134	126	3	5	0
10:00	98	86	3	7	2
11:00	70	64	0	5	1
12:00	97	91	0	5	1
13:00	80	73	1	6	0
14:00	92	86	1	4	1
15:00	103	97	1	4	1
16:00	76	74	0	2	0
17:00	59	55	0	3	1
18:00	34	30	0	4	0
19:00	18	17	0	1	0
20:00	14	13	1	0	0
21:00	8	7	0	1	0
22:00	6	5	0	1	0
23:00	1	1	0	0	0
Total					
12H(7-19)	965	889	16	53	7
16H(6-22)	1039	949	18	63	9
18H(6-24)	1046	955	18	64	9
24H(0-24)	1078	976	23	68	11
AM Peak	09:00 134	09:00 126	08:00 4	06:00 8	06:00 2
PM Peak	15:00 103	15:00 97	13:00 1	13:00 6	12:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	2	1	1	0	0
03:00	11	9	0	1	1
04:00	13	11	1	1	0
05:00	22	14	3	3	2
06:00	64	52	1	9	2
07:00	80	73	3	4	0
08:00	171	157	5	7	2
09:00	229	214	4	10	1
10:00	202	176	5	18	3
11:00	159	147	0	10	2
12:00	158	146	1	8	3
13:00	156	141	3	11	1
14:00	195	180	4	9	2
15:00	196	178	4	11	3
16:00	160	152	0	7	1
17:00	126	121	0	4	1
18:00	78	72	0	6	0
19:00	48	44	0	4	0
20:00	34	33	1	0	0
21:00	17	14	0	3	0
22:00	7	6	0	1	0
23:00	1	1	0	0	0
Total					
12H(7-19)	1910	1757	29	105	19
16H(6-22)	2073	1900	31	121	21
18H(6-24)	2081	1907	31	122	21
24H(0-24)	2133	1946	36	127	24
AM Peak	09:00 229	09:00 214	08:00 5	10:00 18	10:00 3
PM Peak	15:00 196	14:00 180	14:00 4	13:00 11	12:00 3

Paul Castle Associates

Muingmore ATC 1

Class 03 12 2023

Direction: Eastbound

03/12/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	1	1	0	0	0
02:00	1	1	0	0	0
03:00	4	4	0	0	0
04:00	1	1	0	0	0
05:00	13	11	0	2	0
06:00	24	24	0	0	0
07:00	59	57	1	1	0
08:00	93	81	4	7	1
09:00	110	99	1	9	1
10:00	159	143	2	9	5
11:00	105	98	1	5	1
12:00	73	66	0	6	1
13:00	71	66	0	4	1
14:00	86	79	3	3	1
15:00	109	100	1	7	1
16:00	92	85	2	4	1
17:00	58	53	3	2	0
18:00	38	33	1	4	0
19:00	21	21	0	0	0
20:00	21	20	1	0	0
21:00	17	16	0	1	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	1053	960	19	61	13
16H(6-22)	1136	1041	20	62	13
18H(6-24)	1137	1042	20	62	13
24H(0-24)	1159	1062	20	64	13
AM Peak	10:00	10:00	08:00	09:00	10:00
	159	143	4	9	5
PM Peak	15:00	15:00	14:00	15:00	12:00
	109	100	3	7	1

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	4	1	0	0
01:00	4	4	0	0	0
02:00	3	2	1	0	0
03:00	6	4	1	1	0
04:00	10	6	0	4	0
05:00	15	6	2	3	4
06:00	35	26	3	5	1
07:00	32	24	3	4	1
08:00	65	58	3	4	0
09:00	107	102	1	4	0
10:00	121	110	3	6	2
11:00	78	70	0	8	0
12:00	84	77	1	4	2
13:00	77	68	1	6	2
14:00	92	88	1	2	1
15:00	109	105	0	4	0
16:00	85	82	0	3	0
17:00	58	55	1	1	1
18:00	41	38	0	3	0
19:00	22	22	0	0	0
20:00	15	13	0	2	0
21:00	9	8	0	0	1
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	949	877	14	49	9
16H(6-22)	1030	946	17	56	11
18H(6-24)	1032	948	17	56	11
24H(0-24)	1075	974	22	64	15
AM Peak	10:00	10:00	06:00	11:00	05:00
	121	110	3	8	4
PM Peak	15:00	15:00	12:00	13:00	12:00
	109	105	1	6	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	1	0	0
01:00	5	5	0	0	0
02:00	4	3	1	0	0
03:00	10	8	1	1	0
04:00	11	7	0	4	0
05:00	28	17	2	5	4
06:00	59	50	3	5	1
07:00	91	81	4	5	1
08:00	158	139	7	11	1
09:00	217	201	2	13	1
10:00	280	253	5	15	7
11:00	183	168	1	13	1
12:00	157	143	1	10	3
13:00	148	134	1	10	3
14:00	178	167	4	5	2
15:00	218	205	1	11	1
16:00	177	167	2	7	1
17:00	116	108	4	3	1
18:00	79	71	1	7	0
19:00	43	43	0	0	0
20:00	36	33	1	2	0
21:00	26	24	0	1	1
22:00	3	3	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	2002	1837	33	110	22
16H(6-22)	2166	1987	37	118	24
18H(6-24)	2169	1990	37	118	24
24H(0-24)	2234	2036	42	128	28
AM Peak	10:00	10:00	08:00	10:00	10:00
	280	253	7	15	7
PM Peak	15:00	15:00	14:00	15:00	12:00
	218	205	4	11	3

Paul Castle Associates

Muingmore ATC 1

Speed 27 11 2023
Direction: Eastbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	11	57.1	48.0	8.8	0	0	0	1	2	0	2	5	0	1	0	0
01:00	2	49.8	42.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	2	53.7	50.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	5	57.5	50.5	6.7	0	0	0	0	0	1	2	0	2	0	0	0
06:00	7	64.9	54.6	9.9	0	0	0	0	0	1	2	1	1	0	2	0
07:00	20	63.7	52.3	11.0	0	0	0	1	1	4	2	4	5	1	0	2
08:00	54	60.4	52.3	7.8	0	0	0	1	0	6	15	16	9	4	1	2
09:00	108	54.8	47.9	6.6	0	0	0	1	9	25	41	15	14	2	0	1
10:00	143	55.1	49.3	5.6	0	0	0	0	2	28	59	33	16	2	3	0
11:00	121	56.4	49.7	6.5	0	0	0	0	0	35	35	25	19	3	4	0
12:00	75	59.0	51.5	7.2	0	0	0	0	0	13	22	21	12	3	2	2
13:00	88	56.1	49.1	6.8	0	0	0	0	3	23	29	19	9	2	2	1
14:00	115	56.4	48.4	7.7	0	0	3	1	5	23	39	29	8	4	2	1
15:00	90	58.8	50.7	7.8	0	0	0	1	4	15	25	22	14	5	2	2
16:00	92	56.0	48.4	7.3	0	0	0	0	7	32	17	18	11	5	2	0
17:00	85	60.3	50.9	9.1	0	0	0	2	7	13	17	23	13	5	1	4
18:00	52	59.9	51.5	8.1	0	0	0	0	1	10	16	10	7	4	3	1
19:00	41	60.7	50.7	9.7	0	1	0	0	2	5	13	7	7	5	0	1
20:00	19	62.1	53.2	8.7	0	0	0	0	0	3	5	4	4	1	1	1
21:00	10	66.1	56.8	9.0	0	0	0	0	0	3	1	4	0	1	1	1
22:00	4	49.0	40.0	8.7	0	0	0	1	2	0	0	1	0	0	0	0
23:00	2	56.0	45.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
Total																
2H(10-12)	264	55.7	49.5	6.0	0	0	0	0	2	63	94	58	35	5	7	0
2H(14-16)	205	57.5	49.4	7.8	0	0	3	2	9	38	64	51	22	9	4	3
12H(7-19)	1043	57.4	49.7	7.4	0	0	3	7	39	227	317	235	137	40	22	16
24H(0-24)	1147	57.7	49.8	7.6	0	1	3	9	48	237	346	256	155	47	26	19
AM Peak	10:00	06:00	06:00	07:00	00:00	00:00	00:00	00:00	09:00	11:00	10:00	10:00	11:00	08:00	11:00	07:00
	143	64.9	54.6	11.0	0	0	0	1	9	35	59	33	19	4	4	2
PM Peak	14:00	21:00	21:00	23:00	12:00	19:00	14:00	17:00	16:00	16:00	14:00	14:00	15:00	15:00	18:00	17:00
	115	66.1	56.8	10.6	0	1	3	2	7	32	39	29	14	5	3	4

Paul Castle Associates

Westbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	5	49.1	44.5	4.5	0	0	0	0	0	4	0	1	0	0	0	0
01:00	3	52.1	44.2	7.6	0	0	0	0	1	1	0	1	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	2	46.6	33.8	12.4	0	0	1	0	0	1	0	0	0	0	0	0
04:00	3	51.8	45.8	5.8	0	0	0	0	0	2	0	1	0	0	0	0
05:00	2	72.2	57.5	14.1	0	0	0	0	0	0	1	0	0	0	1	0
06:00	9	57.2	45.3	11.5	0	0	0	3	1	0	1	1	3	0	0	0
07:00	18	58.5	47.4	10.7	0	0	1	1	2	3	5	2	0	4	0	0
08:00	54	53.7	45.6	7.8	0	0	0	2	11	16	11	9	3	1	0	1
09:00	103	50.3	43.5	6.6	0	0	0	8	23	37	16	15	2	2	0	0
10:00	110	51.5	44.2	7.1	0	0	1	6	25	32	24	15	5	1	1	0
11:00	63	57.8	48.2	9.3	0	0	0	4	7	14	12	14	7	2	1	2
12:00	81	52.3	44.8	7.2	0	0	0	2	22	24	14	12	3	4	0	0
13:00	77	51.7	44.8	6.6	0	0	0	3	16	22	22	8	4	2	0	0
14:00	73	51.7	44.8	6.7	0	0	1	1	17	18	22	9	4	1	0	0
15:00	66	52.4	44.3	7.8	0	0	0	3	19	21	10	4	5	4	0	0
16:00	64	55.8	48.4	7.2	0	0	0	0	7	14	19	14	7	2	0	0
17:00	64	55.9	46.5	9.0	0	0	1	4	9	11	24	6	5	2	0	2
18:00	40	59.7	50.8	8.6	0	0	0	3	10	5	11	4	4	6	0	1
19:00	37	63.0	51.3	11.3	0	0	1	2	3	5	5	7	5	5	3	1
20:00	17	57.7	47.8	9.6	0	0	0	1	2	5	3	3	0	2	1	0
21:00	16	57.2	48.1	8.7	0	0	0	1	2	4	1	4	3	1	0	0
22:00	7	54.7	49.6	4.9	0	0	0	0	0	1	3	2	1	0	0	0
23:00	3	56.6	45.8	10.4	0	0	0	0	1	1	0	0	1	0	0	0
Total																
2H(10-12)	173	54.1	45.7	8.2	0	0	1	10	32	46	36	29	12	3	2	2
2H(14-16)	139	52.0	44.6	7.2	0	0	1	4	36	39	32	13	9	5	0	0
12H(7-19)	813	53.7	45.6	7.8	0	0	4	34	161	222	184	119	49	31	2	7
24H(0-24)	917	54.4	45.9	8.1	0	0	6	41	171	246	198	139	62	39	7	8
AM Peak	10:00	05:00	05:00	05:00	00:00	00:00	03:00	09:00	10:00	09:00	10:00	09:00	11:00	07:00	05:00	11:00
	110	72.2	57.5	14.1	0	0	1	8	25	37	24	15	7	4	1	2
PM Peak	12:00	19:00	19:00	19:00	12:00	12:00	14:00	17:00	12:00	12:00	17:00	16:00	16:00	18:00	19:00	17:00
	81	63.0	51.3	11.3	0	0	1	4	22	24	24	14	7	6	3	2

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<65	Bin 11 65<70	Bin 12 >=70
00:00	16	54.9	46.9	7.7	0	0	0	1	2	4	2	6	0	1	0	0
01:00	5	50.3	43.5	6.5	0	0	0	0	2	1	1	1	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	4	54.3	41.9	12.0	0	0	1	0	0	1	1	1	0	0	0	0
04:00	3	51.8	45.8	5.8	0	0	0	0	0	2	0	1	0	0	0	0
05:00	7	61.5	52.5	8.7	0	0	0	0	0	1	3	0	2	0	1	0
06:00	16	61.3	49.4	11.5	0	0	0	3	1	1	3	2	4	0	2	0
07:00	38	61.4	49.9	11.0	0	0	1	2	3	7	7	6	5	5	0	2
08:00	108	57.8	49.0	8.5	0	0	0	3	11	22	26	25	12	5	1	3
09:00	211	53.0	45.8	6.9	0	0	0	9	32	62	57	30	16	4	0	1
10:00	253	54.1	47.1	6.8	0	0	1	6	27	60	83	48	21	3	4	0
11:00	184	57.0	49.2	7.6	0	0	0	4	7	49	47	39	26	5	5	2
12:00	156	56.2	48.0	7.9	0	0	0	2	22	37	36	33	15	7	2	2
13:00	165	54.4	47.1	7.0	0	0	0	3	19	45	51	27	13	4	2	1
14:00	188	54.8	47.0	7.5	0	0	4	2	22	41	61	38	12	5	2	1
15:00	156	56.7	48.0	8.4	0	0	0	4	23	36	35	26	19	9	2	2
16:00	156	55.9	48.4	7.3	0	0	0	0	14	46	36	32	18	7	2	1
17:00	149	58.6	49.0	9.3	0	0	1	6	16	24	41	29	18	7	1	6
18:00	92	59.8	51.2	8.3	0	0	0	0	4	20	21	21	11	10	3	2
19:00	78	61.7	51.0	10.4	0	1	1	2	5	10	18	14	12	10	3	2
20:00	36	60.3	50.6	9.4	0	0	0	1	2	8	8	7	4	3	2	1
21:00	26	61.4	51.4	9.6	0	0	0	1	2	4	4	5	7	1	1	1
22:00	11	54.2	46.1	7.8	0	0	0	1	2	1	3	3	1			

Muingmore ATC 1

Speed 28 11 2023

Direction: Eastbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
01:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	6	66.6	51.3	14.8	0	0	0	0	2	0	2	0	0	1	0	1
04:00	5	72.3	67.0	5.1	0	0	0	0	0	0	0	0	0	2	2	1
05:00	27	65.1	56.2	8.6	0	0	0	0	0	4	4	2	7	5	5	0
06:00	38	66.7	57.6	8.8	0	0	0	0	1	2	4	6	12	6	4	3
07:00	28	63.2	54.5	8.4	0	0	0	0	1	3	5	5	7	3	4	0
08:00	75	58.1	50.4	7.4	0	0	0	0	0	19	25	14	8	5	3	1
09:00	109	54.9	48.1	6.6	0	0	0	0	5	28	52	10	7	3	3	1
10:00	119	52.7	46.4	6.1	0	0	0	1	8	48	39	14	3	4	2	0
11:00	87	55.1	47.5	7.4	0	0	0	0	13	24	19	20	7	2	1	1
12:00	82	58.3	49.9	8.1	0	0	0	0	4	24	13	25	10	2	1	3
13:00	82	56.1	48.2	7.6	0	0	0	2	12	14	19	19	12	3	1	0
14:00	91	55.1	48.2	6.7	0	0	0	2	5	23	25	26	7	2	0	1
15:00	92	58.1	48.9	8.9	0	0	3	3	4	15	26	27	4	6	3	1
16:00	91	58.2	50.6	7.4	0	0	0	0	1	20	28	22	12	3	3	2
17:00	79	57.9	50.3	7.3	0	0	0	1	6	6	28	20	13	2	2	1
18:00	55	58.6	51.9	6.5	0	0	0	0	0	7	16	18	8	3	3	0
19:00	27	62.5	53.0	9.2	0	0	0	0	1	6	3	7	3	5	1	1
20:00	13	63.4	56.3	6.8	0	0	0	0	0	0	3	3	2	4	1	0
21:00	8	58.4	46.9	11.2	0	0	0	1	2	1	1	0	2	1	0	0
22:00	7	50.4	43.9	6.3	0	0	0	1	0	3	2	1	0	0	0	0
23:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
Total																
2H(10-12)	206	53.8	46.8	6.7	0	0	0	1	21	72	58	34	10	6	3	1
2H(14-16)	183	56.7	48.5	7.9	0	0	3	5	9	38	51	53	11	8	3	2
12H(7-19)	990	56.8	49.0	7.5	0	0	3	9	59	231	295	220	98	38	26	11
24H(0-24)	1125	58.0	49.7	8.0	0	0	3	11	65	248	315	239	126	62	39	17
AM Peak	10:00	04:00	04:00	03:00	00:00	00:00	00:00	10:00	11:00	10:00	09:00	11:00	06:00	05:00	06:00	
	119	72.3	67.0	14.8	0	0	0	1	13	48	52	20	12	6	5	3
PM Peak	15:00	20:00	23:00	21:00	12:00	12:00	15:00	15:00	13:00	12:00	16:00	15:00	17:00	15:00	15:00	12:00
	92	63.4	57.5	11.2	0	0	3	3	12	24	28	27	13	6	3	3

Paul Castle Associates

Direction: Westbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	6	52.7	46.7	5.8	0	0	0	0	1	1	2	2	0	0	0	0
01:00	5	51.5	44.5	6.7	0	0	0	0	2	0	2	1	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	6	65.1	50.4	14.2	0	0	1	0	0	0	1	2	1	0	1	0
04:00	10	57.3	49.5	7.5	0	0	0	0	0	3	4	1	0	2	0	0
05:00	28	62.1	52.7	9.1	0	0	0	1	1	3	5	9	3	2	4	0
06:00	44	63.7	54.2	9.1	0	0	0	0	3	5	4	12	10	5	3	2
07:00	38	56.1	48.6	7.2	0	0	1	2	0	6	9	15	5	0	0	0
08:00	101	57.3	47.8	9.2	0	0	0	5	19	16	23	17	11	7	1	2
09:00	113	53.3	45.1	8.0	0	0	1	7	25	24	30	14	9	1	1	1
10:00	116	52.9	44.9	7.8	0	0	2	6	22	33	26	16	6	4	1	0
11:00	83	52.4	44.9	7.3	0	0	1	4	16	24	19	11	6	2	0	0
12:00	88	53.7	46.0	7.5	0	0	0	8	11	21	21	14	13	0	0	0
13:00	83	52.7	45.5	6.9	0	0	1	0	15	28	20	12	4	2	1	0
14:00	106	50.9	43.9	6.7	0	0	0	7	21	42	19	10	3	4	0	0
15:00	84	56.7	47.7	8.7	0	0	1	2	11	26	10	15	14	3	1	1
16:00	66	58.0	49.1	8.6	0	0	0	2	8	11	18	11	9	5	1	1
17:00	69	62.2	52.4	9.5	0	0	0	0	3	12	20	10	13	1	6	4
18:00	55	59.3	49.5	9.5	0	0	0	1	8	11	12	8	7	2	6	0
19:00	23	55.6	46.8	8.4	0	0	0	3	2	3	7	4	3	1	0	0
20:00	16	57.4	50.3	6.8	0	0	0	0	0	5	3	3	4	1	0	0
21:00	8	49.0	43.1	5.6	0	0	0	1	1	2	4	0	0	0	0	0
22:00	9	51.1	45.3	5.7	0	0	0	0	2	2	3	2	0	0	0	0
23:00	3	63.9	50.8	12.6	0	0	0	0	1	0	0	1	0	1	0	0
Total																
2H(10-12)	199	52.7	44.9	7.5	0	0	3	10	38	57	45	27	12	6	1	0
2H(14-16)	190	53.7	45.6	7.9	0	0	1	9	32	68	29	25	17	7	1	1
12H(7-19)	1002	55.3	46.7	8.4	0	0	7	44	159	254	227	153	100	31	18	9
24H(0-24)	1161	56.0	47.1	8.5	0	0	8	49	173	278	262	190	121	43	26	11
AM Peak	10:00	03:00	06:00	03:00	00:00	00:00	10:00	09:00	09:00	10:00	09:00	08:00	08:00	08:00	05:00	06:00
	116	65.1	54.2	14.2	0	0	2	7	25	33	30	17	11	7	4	2
PM Peak	14:00	23:00	17:00	23:00	12:00	12:00	13:00	12:00	14:00	14:00	12:00	15:00	15:00	16:00	17:00	17:00
	106	63.9	52.4	12.6	0	0	1	8	21	42	21	15	14	5	6	4

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<65	Bin 11 65<70	Bin 12 >=70
00:00	7	55.2	48.2	6.7	0	0	0	0	1	1	2	2	1	0	0	0
01:00	6	51.3	45.0	6.1	0	0	0	0	2	0	3	1	0	0	0	0
02:00	2	43.7	40.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
03:00	12	65.2	50.8	13.8	0	0	1	0	2	0	3	2	1	1	1	1
04:00	15	66.5	55.3	10.8	0	0	0	0	0	3	4	1	0	4	2	1
05:00	55	63.7	54.4	8.9	0	0	0	1	1	7	9	11	10	7	9	0
06:00	82	65.2	55.8	9.1	0	0	0	0	4	7	8	18	22	11	7	5
07:00	66	59.6	51.1	8.2	0	0	1	2	1	9	14	20	12	3	4	0
08:00	176	57.8	48.9	8.6	0	0	0	5	19	35	48	31	19	12	4	3
09:00	222	54.3	46.5	7.5	0	0	1	7	30	52	82	24	16	4	4	2
10:00	235	52.9	45.6	7.0	0	0	2	7	30	81	65	30	9	8	3	0
11:00	170	53.9	46.2	7.4	0	0	1	4	29	48	38	31	13	4	1	1
12:00	170	56.2	47.9	8.0	0	0	0	8	15	45	34	39	23	2	1	3
13:00	165	54.5	46.9	7.4	0	0	1	2	27	42	39	31	16	5	2	0
14:00	197	53.2	45.9	7.0	0	0	0	9	26	65	44	36	10	6	0	1
15:00	176	57.4	48.3	8.8	0	0	4	5	15	41	36	42	18	9	4	2
16:00	157	58.1	49.9	7.9	0	0	0	2	9	31	46	33	21	8	4	3
17:00	148	60.0	51.3	8.4	0	0	0	1	9	18	48	30	26	3	8	5
18:00	110	59.1	50.7	8.1	0	0	0	1	8	18	28	26	15	5	9	0
19:00	50	59.8	50.2	9.3	0	0	0	3	3	9	10	11	6	6	1	1
20:00	29	60.6	53.0	7.4	0	0	0	0	0	5	6	6	6	5	1	0
21:00	16	54.1	45.0	8.8	0	0	0	2	3	3	5	0	2	1	0	0
22:00	16	50.7	44.7	5.8</												

Muingmore ATC 1

Speed 30 11 2023

Direction: Eastbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	1	47.5	47.5		0	0	0	0	0	0	1	0	0	0	0	0
01:00	3	62.1	54.2	7.6	0	0	0	0	0	0	1	1	0	1	0	0
02:00	1	42.5	42.5		0	0	0	0	0	1	0	0	0	0	0	0
03:00	3	67.9	57.5	10.0	0	0	0	0	0	0	1	0	1	0	1	0
04:00	0	-	-		0	0	0	0	0	0	0	0	0	0	0	0
05:00	9	65.3	56.9	8.1	0	0	0	0	0	0	2	3	0	2	2	0
06:00	24	61.6	54.8	6.6	0	0	0	0	0	2	4	5	8	4	1	0
07:00	40	67.7	58.8	8.6	0	0	0	0	1	1	2	7	16	5	3	5
08:00	85	60.0	52.5	7.2	0	0	0	0	1	10	24	22	15	8	4	1
09:00	131	54.7	47.3	7.2	0	0	0	8	9	32	31	40	8	1	1	1
10:00	155	56.6	49.8	6.5	0	0	0	1	6	24	54	46	12	9	2	1
11:00	129	58.6	51.3	7.0	0	0	0	0	2	19	37	45	11	10	2	3
12:00	85	60.0	51.2	8.5	0	0	0	0	4	22	16	14	16	7	5	1
13:00	90	59.1	51.0	7.7	0	0	0	1	3	17	20	26	11	8	3	1
14:00	124	57.9	51.7	6.1	0	0	0	0	0	12	42	44	13	7	6	0
15:00	108	59.0	51.4	7.3	0	0	0	0	5	13	30	29	21	6	2	2
16:00	89	61.2	53.4	7.5	0	0	0	0	2	4	26	28	14	8	4	3
17:00	67	61.8	53.5	8.0	0	0	0	0	2	6	15	19	11	9	3	2
18:00	57	61.3	54.5	6.6	0	0	0	0	1	3	11	11	22	8	0	1
19:00	33	66.5	57.1	9.1	0	0	0	0	1	1	5	7	8	5	3	3
20:00	22	67.2	56.6	10.3	0	0	0	1	1	0	3	3	6	5	1	2
21:00	15	59.1	49.3	9.5	0	0	0	0	1	4	6	1	1	1	0	1
22:00	7	58.5	49.6	8.6	0	0	0	0	1	2	0	1	3	0	0	0
23:00	2	54.8	47.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
Total																
2H(10-12)	284	57.5	50.5	6.8	0	0	0	1	8	43	91	91	23	19	4	4
2H(14-16)	232	58.4	51.6	6.6	0	0	0	0	5	25	72	73	34	13	8	2
12H(7-19)	1160	59.3	51.5	7.6	0	0	0	10	36	163	308	331	170	86	35	21
24H(0-24)	1280	59.8	51.8	7.8	0	0	0	11	40	174	331	353	197	104	43	27
AM Peak	10:00	03:00	07:00	03:00	00:00	00:00	00:00	09:00	09:00	09:00	10:00	10:00	07:00	11:00	08:00	07:00
	155	67.9	58.8	10.0	0	0	0	8	9	32	54	46	16	10	4	5
PM Peak	14:00	20:00	19:00	20:00	12:00	12:00	13:00	13:00	15:00	12:00	14:00	14:00	18:00	17:00	14:00	16:00
	124	67.2	57.1	10.3	0	0	0	1	5	22	42	44	22	9	6	3

Paul Castle Associates

Direction: Westbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	7	49.4	41.8	7.3	0	0	0	1	3	0	2	1	0	0	0	0
01:00	5	53.8	47.5	6.1	0	0	0	0	1	0	2	2	0	0	0	0
02:00	1	42.5	42.5		0	0	0	0	0	1	0	0	0	0	0	0
03:00	5	53.3	46.5	6.5	0	0	0	0	0	3	1	0	1	0	0	0
04:00	6	52.7	46.7	5.8	0	0	0	0	1	1	2	2	0	0	0	0
05:00	17	57.6	51.0	6.3	0	0	0	0	1	3	1	7	5	0	0	0
06:00	34	65.1	54.0	10.7	0	0	0	1	1	4	6	10	5	1	2	4
07:00	43	61.5	52.4	8.8	0	0	0	1	3	5	5	16	3	6	4	0
08:00	67	59.5	50.0	9.2	0	0	1	1	4	9	25	15	2	6	1	3
09:00	90	54.4	46.3	7.9	0	0	0	3	21	20	13	22	9	1	0	1
10:00	113	52.6	44.8	7.5	0	0	1	9	23	25	23	24	6	2	0	0
11:00	66	52.0	44.1	7.6	0	0	1	5	16	14	17	8	4	0	1	0
12:00	93	52.7	45.8	6.7	0	0	0	2	15	25	33	12	3	2	0	1
13:00	127	57.0	48.1	8.5	0	0	2	0	15	31	33	25	11	5	2	3
14:00	117	56.1	47.5	8.3	0	0	1	2	14	33	32	16	7	8	3	1
15:00	107	59.4	49.4	8.7	0	0	0	1	15	26	24	12	14	7	4	4
16:00	94	59.1	50.1	8.7	0	0	0	1	5	26	22	14	12	9	3	2
17:00	79	61.5	51.6	9.5	0	0	0	0	6	18	12	19	7	10	4	3
18:00	70	60.9	51.3	9.3	0	0	0	1	4	15	12	20	6	6	3	3
19:00	52	58.9	50.5	8.1	0	0	0	1	2	11	11	14	7	4	1	1
20:00	26	57.6	49.4	7.9	0	0	0	0	2	8	4	6	2	4	0	0
21:00	18	60.4	47.5	12.5	0	0	1	1	3	4	3	0	3	2	0	1
22:00	8	54.0	48.1	5.6	0	0	0	0	0	3	2	2	1	0	0	0
23:00	5	46.4	40.5	5.7	0	0	0	1	1	2	1	0	0	0	0	0
Total																
2H(10-12)	179	52.4	44.5	7.5	0	0	2	14	39	39	40	32	10	2	1	0
2H(14-16)	224	57.7	48.4	9.0	0	0	1	3	29	59	56	28	21	15	7	5
12H(7-19)	1066	57.2	48.1	8.8	0	0	6	26	141	247	251	203	84	62	25	21
24H(0-24)	1250	57.5	48.4	8.8	0	0	7	31	156	287	286	247	108	73	28	27
AM Peak	10:00	06:00	06:00	06:00	00:00	00:00	08:00	10:00	10:00	10:00	08:00	10:00	09:00	07:00	07:00	06:00
	113	65.1	54.0	10.7	0	0	1	9	23	25	25	24	9	6	4	4
PM Peak	13:00	17:00	17:00	21:00	12:00	12:00	13:00	12:00	12:00	14:00	12:00	13:00	15:00	17:00	15:00	15:00
	127	61.5	51.6	12.5	0	0	2	2	15	33	33	25	14	10	4	4

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<65	Bin 11 65<70	Bin 12 >=70
00:00	8	49.8	42.5	7.1	0	0	0	1	3	0	3	1	0	0	0	0
01:00	8	57.3	50.0	7.1	0	0	0	0	1	0	3	3	0	1	0	0
02:00	2	42.5	42.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
03:00	8	60.2	50.6	9.2	0	0	0	0	0	3	2	0	2	0	1	0
04:00	6	52.7	46.7	5.8	0	0	0	0	1	1	2	2	0	0	0	0
05:00	26	60.7	53.1	7.4	0	0	0	0	1	3	3	10	5	2	2	0
06:00	58	63.8	54.3	9.2	0	0	0	1	1	6	10	15	13	5	3	4
07:00	83	65.1	55.5	9.3	0	0	0	1	4	6	7	23	19	11	7	5
08:00	152	59.9	51.4	8.2	0	0	1	1	5	19	49	37	17	14	5	4
09:00	221	54.6	46.9	7.5	0	0	0	11	30	52	44	62	17	2	1	2
10:00	268	55.3	47.7	7.4	0	0	1	10	29	49	77	70	18	11	2	1
11:00	195	57.2	48.9	8.0	0	0	1	5	18	33	54	53	15	10	3	3
12:00	178	56.7	48.4	8.1	0	0	0	2	19	47	49	26	19	9	5	2
13:00	217	58.0	49.3	8.3	0	0	2	1	18	48	53	51	22	13	5	4
14:00	241	57.4	49.6	7.5	0	0	1	2	14	45	74	60	20	15	9	1
15:00	215	59.3	50.4	8.6	0	0	0	1	20	39	54	41	35	13	6	6
16:00	183	60.3	51.7	8.3	0	0	0	1	7	30	48	42	26	17	7	5
17:00	146	61.7	52.5	8.8	0	0	0	0	8	24	27	38	18	19	7	5
18:00	127	61.3	52.7	8.3	0	0	0	1	5	18	23	31	28	14	3	4
19:00	85	62.4	53.1	9.0	0	0	0	1	3	12	16	21	15	9	4	4
20:00	48	62.7	52.7	9.7	0	0	0	1	3	8	7	9	8	9	1	2
21:00	33	59.8	48.3	11.1	0	0	1	1	4	8	9	1	4	3	0	2
22:00	15	56.0	48.8	6.9	0	0	0	0	1	5	2	3	4	0	0	0
23:00	7	49.2	42.5	6.5	0	0	0	1	1	3	1	1	0	0	0	0
Total																

Muingmore ATC 1

Speed 01 12 2023

Direction: Eastbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	2	57.5	57.5	0.0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	2	82.6	58.8	23.0	0	0	0	0	0	1	0	0	0	0	0	1
02:00	1	46.2	32.5	7.0	0	0	0	1	0	0	0	0	0	0	0	0
03:00	2	52.5	52.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
04:00	7	70.2	57.1	12.6	0	0	0	0	1	0	1	1	1	1	1	1
05:00	15	58.9	51.5	7.1	0	0	0	1	0	0	5	4	4	1	0	0
06:00	37	64.1	55.7	8.1	0	0	0	0	1	2	6	6	13	6	1	2
07:00	70	59.0	51.6	7.1	0	0	0	0	1	12	19	17	11	7	3	0
08:00	125	57.7	49.6	7.9	0	0	0	0	10	27	35	29	11	7	4	2
09:00	221	53.9	47.1	6.6	0	0	0	3	29	50	72	48	10	6	3	0
10:00	226	53.7	46.7	6.7	0	0	0	6	27	59	72	38	19	2	2	1
11:00	185	54.0	46.9	6.9	0	0	0	2	29	44	54	35	15	3	3	0
12:00	85	57.0	49.7	7.1	0	0	0	0	7	15	22	24	10	5	2	0
13:00	71	54.9	48.1	6.5	0	0	0	1	5	18	19	20	4	4	0	0
14:00	117	56.4	49.6	6.6	0	0	0	0	4	23	43	23	20	2	0	2
15:00	85	57.6	49.7	7.6	0	0	1	3	2	10	28	26	9	4	1	1
16:00	79	61.5	52.6	8.6	0	0	0	0	0	16	18	18	17	1	5	4
17:00	49	64.6	57.4	6.9	0	0	0	0	0	1	6	9	20	6	5	2
18:00	39	66.2	57.2	8.7	0	0	0	0	0	5	3	5	12	9	2	3
19:00	37	63.4	56.3	6.9	0	0	0	0	0	1	4	12	12	5	1	2
20:00	15	56.9	50.8	5.9	0	0	0	0	1	1	4	5	4	0	0	0
21:00	12	58.2	45.8	11.9	0	0	0	2	3	1	3	1	0	0	2	0
22:00	5	60.4	54.5	5.7	0	0	0	0	0	0	1	2	1	1	0	0
23:00	2	54.8	47.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
Total																
2H(10-12)	411	53.8	46.8	6.8	0	0	0	8	56	103	126	73	34	5	5	1
2H(14-16)	202	56.9	49.7	7.0	0	0	1	3	6	33	71	49	29	6	1	3
12H(7-19)	1352	56.9	49.1	7.6	0	0	1	15	114	280	391	292	158	56	30	15
24H(0-24)	1489	57.6	49.5	7.8	0	0	1	19	120	287	415	326	195	70	35	21
AM Peak	10:00	01:00	01:00	01:00	00:00	00:00	00:00	10:00	09:00	10:00	09:00	09:00	10:00	07:00	08:00	06:00
	226	82.6	58.8	23.0	0	0	0	6	29	59	72	48	19	7	4	2
PM Peak	14:00	18:00	17:00	21:00	12:00	12:00	15:00	15:00	12:00	14:00	14:00	15:00	14:00	18:00	16:00	16:00
	117	66.2	57.4	11.9	0	0	1	3	7	23	43	26	20	9	5	4

Paul Castle Associates

Direction: Westbound

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<65	Bin 11 65<70	Bin 12 >=70
00:00	2	47.5	47.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
01:00	0	46.2	46.2	0.0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	4	53.3	39.4	13.4	0	0	1	0	2	0	0	0	1	0	0	0
03:00	6	68.6	53.8	14.3	0	0	0	0	1	0	3	0	0	0	1	1
04:00	8	53.2	43.8	9.2	0	0	0	2	1	1	2	1	1	0	0	0
05:00	5	48.8	42.5	6.1	0	0	0	1	0	2	2	0	0	0	0	0
06:00	18	65.2	52.8	12.0	0	0	0	0	3	3	1	5	1	2	1	2
07:00	16	52.6	45.0	7.3	0	0	0	2	1	5	1	2	0	0	0	0
08:00	57	55.0	46.7	8.0	0	0	1	0	10	16	13	7	7	2	1	0
09:00	133	53.7	45.2	8.2	0	0	1	11	26	27	36	18	9	2	2	1
10:00	112	51.5	44.9	6.4	0	0	0	1	25	39	25	12	9	0	1	0
11:00	119	51.8	44.1	7.5	0	0	1	7	27	40	23	11	6	3	0	1
12:00	102	52.4	44.9	7.3	0	0	1	4	20	33	21	14	6	2	1	0
13:00	174	51.8	45.2	6.3	0	0	0	3	24	71	47	17	7	3	1	1
14:00	182	50.9	44.2	6.4	0	0	2	9	23	79	43	14	8	4	0	0
15:00	141	52.6	45.4	6.9	0	0	0	7	24	41	39	13	14	3	0	0
16:00	126	53.0	46.0	6.7	0	0	0	1	17	47	36	10	11	3	0	1
17:00	91	57.4	49.4	7.8	0	0	0	0	8	25	15	24	10	5	4	0
18:00	57	58.0	48.6	9.1	0	0	0	1	9	15	10	7	8	3	4	0
19:00	23	60.7	51.5	8.8	0	0	0	0	0	7	5	3	4	3	0	1
20:00	11	62.1	54.3	7.5	0	0	0	0	0	1	3	1	4	1	1	0
21:00	8	54.3	47.5	6.5	0	0	0	0	1	2	2	2	1	0	0	0
22:00	3	57.9	47.5	10.0	0	0	0	0	1	0	1	0	1	0	0	0
23:00	3	60.0	49.2	10.4	0	0	0	0	1	0	0	1	1	0	0	0
Total																
2H(10-12)	231	51.7	44.5	7.0	0	0	1	8	52	79	48	23	15	3	1	1
2H(14-16)	323	51.6	44.7	6.7	0	0	2	16	47	120	82	27	22	7	0	0
12H(7-19)	1310	53.1	45.5	7.3	0	0	6	46	214	438	313	148	97	30	14	4
24H(0-24)	1401	53.6	45.8	7.6	0	0	7	49	224	454	334	161	111	36	17	8
AM Peak	09:00	03:00	03:00	03:00	00:00	00:00	02:00	09:00	11:00	11:00	09:00	09:00	09:00	11:00	09:00	06:00
	133	68.6	53.8	14.3	0	0	1	11	27	40	36	18	9	3	2	2
PM Peak	14:00	20:00	20:00	23:00	12:00	12:00	14:00	14:00	13:00	14:00	13:00	17:00	15:00	17:00	17:00	13:00
	182	62.1	54.3	10.4	0	0	2	9	24	79	47	24	14	5	4	1

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<65	Bin 11 65<70	Bin 12 >=70
00:00	4	58.5	52.5	5.8	0	0	0	0	0	0	2	0	2	0	0	0
01:00	2	82.6	58.8	23.0	0	0	0	0	0	1	0	0	0	0	0	1
02:00	5	50.5	38.0	12.0	0	0	1	1	2	0	0	1	0	0	0	0
03:00	8	66.0	53.4	12.1	0	0	0	0	1	0	3	2	0	0	1	1
04:00	15	63.0	50.0	12.6	0	0	0	2	2	1	3	2	2	1	1	1
05:00	20	57.4	49.3	7.8	0	0	0	2	0	2	7	4	4	1	0	0
06:00	55	64.7	54.8	9.5	0	0	0	0	4	5	7	11	14	8	2	4
07:00	86	58.3	50.4	7.6	0	0	0	2	2	17	24	18	13	7	3	0
08:00	182	57.0	48.7	8.0	0	0	1	0	20	43	48	36	18	9	5	2
09:00	354	53.9	46.4	7.3	0	0	1	14	55	77	108	66	19	8	5	1
10:00	338	53.0	46.1	6.7	0	0	0	7	52	98	97	50	28	2	3	1
11:00	304	53.3	45.8	7.2	0	0	1	9	56	84	77	46	21	6	3	1
12:00	187	54.9	47.1	7.5	0	0	1	4	27	48	43	38	16	7	3	0
13:00	245	52.8	46.1	6.5	0	0	0	4	29	89	66	37	11	7	1	1
14:00	299	53.6	46.3	7.0	0	0	2	9	27	102	86	37	28	6	0	2
15:00	226	54.8	47.0	7.5	0	0	1	10	26	51	67	39	23	7	1	1
16:00	205	57.0	48.6	8.1	0	0	0	1	17	63	54	28	28	4	5	5
17:00	140	60.9	52.2	8.4	0	0	0	0	8	26	21	33	30	11	9	2
18:00	96	62.3	52.1	9.9	0	0	0	1	9	20	13	12	20	12	6	3
19:00	60	62.7	54.5	8.0	0	0	0	0	0	8	9	15	16	8	1	3
20:00	26	59.3	52.3	6.7	0	0	0	0	1	2	7	6	8	1	1	0
21:00	20	56.8	46.5	9.9	0	0	0	2	4	3	5	3				

Muingmore ATC 1

Speed 02 12 2023

Direction: Eastbound																
Hour	Total	85th	Mean	Standard	Bin 1	Bin 2	Bin 3	Bin 4	Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	37.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
03:00	4	56.2	51.3	4.8	0	0	0	0	0	0	2	1	1	0	0	0
04:00	3	73.9	56.7	16.6	0	0	0	0	0	1	0	1	0	0	0	1
05:00	11	72.5	63.9	8.3	0	0	0	0	0	0	1	0	3	1	4	2
06:00	30	65.8	58.8	6.8	0	0	0	0	0	0	4	4	9	8	4	1
07:00	47	63.0	54.6	8.1	0	0	0	0	2	5	3	15	12	5	4	1
08:00	82	60.5	51.4	8.8	0	0	1	1	3	14	18	19	13	9	2	2
09:00	95	52.3	47.0	5.2	0	0	0	1	5	27	40	14	8	0	0	0
10:00	104	55.1	49.2	5.7	0	0	0	0	2	21	40	29	8	3	0	1
11:00	89	54.4	48.2	6.0	0	0	0	0	7	17	35	20	7	2	1	0
12:00	61	57.8	50.2	7.4	0	0	0	0	2	12	24	7	10	4	1	1
13:00	76	56.2	48.1	7.9	0	0	0	2	7	20	21	12	9	3	1	1
14:00	103	56.4	48.6	7.5	0	0	0	0	8	26	34	20	7	4	2	2
15:00	93	55.7	48.8	6.7	0	0	0	0	4	25	29	20	11	2	1	1
16:00	84	56.0	49.1	6.6	0	0	0	1	4	21	18	26	10	3	1	0
17:00	67	56.0	49.1	6.7	0	0	0	0	2	14	30	10	7	2	1	1
18:00	44	58.2	51.9	6.0	0	0	0	0	2	2	11	17	9	2	1	0
19:00	30	55.9	48.8	6.8	0	0	0	0	2	8	9	3	7	1	0	0
20:00	20	58.6	53.0	5.4	0	0	0	0	0	2	3	7	7	1	0	0
21:00	9	56.6	44.4	11.7	0	0	1	1	1	2	0	3	0	1	0	0
22:00	1	-	42.5	-	0	0	0	0	0	1	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)	193	54.8	48.7	5.8	0	0	0	0	9	38	75	49	15	5	1	1
2H(14-16)	196	56.1	48.7	7.1	0	0	0	0	12	51	63	40	18	6	3	3
12H(7-19)	945	56.6	49.3	7.1	0	0	1	5	48	204	303	209	111	39	15	10
24H(0-24)	1055	57.5	49.8	7.4	0	0	2	6	52	218	322	229	138	51	23	14
AM Peak	10:00	04:00	05:00	04:00	00:00	00:00	08:00	08:00	11:00	09:00	09:00	10:00	08:00	08:00	05:00	05:00
	104	73.9	63.9	16.6	0	0	1	1	7	27	40	29	13	9	4	2
PM Peak	14:00	20:00	20:00	21:00	12:00	12:00	21:00	13:00	14:00	14:00	14:00	16:00	15:00	12:00	14:00	14:00
	103	58.6	53.0	11.7	0	0	1	2	8	26	34	26	11	4	2	2

Paul Castle Associates

Direction: Westbound																
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<65	Bin 11 65<70	Bin 12 >=70
00:00	2	49.8	42.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
01:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	7	58.3	48.9	9.0	0	0	0	0	1	2	1	1	1	1	0	0
04:00	10	62.8	51.3	11.1	0	0	0	0	0	3	4	1	0	0	1	1
05:00	11	61.5	49.5	11.6	0	0	0	1	1	2	2	2	2	0	0	1
06:00	34	59.1	48.0	10.7	0	0	1	3	5	4	6	6	3	5	1	0
07:00	33	64.6	52.7	11.5	0	0	1	1	2	1	11	4	5	4	1	3
08:00	89	59.5	50.3	8.9	0	0	1	1	8	14	24	12	17	8	3	1
09:00	134	51.8	44.9	6.7	0	0	0	4	26	48	29	17	6	3	1	0
10:00	98	51.3	43.4	7.5	0	0	1	7	31	23	15	13	6	2	0	0
11:00	70	50.9	43.1	7.5	0	0	2	2	26	14	11	10	5	0	0	0
12:00	97	53.5	46.4	6.9	0	0	0	2	12	32	24	19	5	0	3	0
13:00	80	54.4	44.9	9.2	0	0	1	8	20	16	11	13	5	4	2	0
14:00	92	52.6	45.2	7.1	0	0	2	4	13	23	30	15	3	1	1	0
15:00	103	56.0	47.9	7.8	0	0	1	2	11	24	22	30	8	2	2	1
16:00	76	56.5	47.4	8.8	0	0	0	3	12	22	8	19	8	1	1	2
17:00	59	62.9	52.0	10.5	0	0	0	2	5	10	12	6	9	8	5	2
18:00	34	60.5	52.0	8.3	0	0	0	0	1	5	11	6	5	4	1	1
19:00	18	63.2	53.2	9.7	0	0	0	1	0	2	4	2	7	0	1	1
20:00	14	63.2	51.3	11.6	0	0	0	0	2	3	3	2	0	2	1	1
21:00	8	52.1	43.1	8.6	0	0	0	1	3	1	1	1	1	0	0	0
22:00	6	52.2	48.3	3.8	0	0	0	0	0	1	3	2	0	0	0	0
23:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
Total																
2H(10-12)	168	51.1	43.3	7.5	0	0	3	9	57	37	26	23	11	2	0	0
2H(14-16)	195	54.5	46.7	7.6	0	0	3	6	24	47	52	45	11	3	3	1
12H(7-19)	965	55.7	46.8	8.6	0	0	9	36	167	232	208	164	82	37	20	10
24H(0-24)	1078	56.1	47.0	8.8	0	0	10	42	180	251	235	181	96	45	24	14
AM Peak	09:00	07:00	07:00	05:00	00:00	00:00	11:00	10:00	10:00	09:00	09:00	09:00	08:00	08:00	08:00	07:00
	134	64.6	52.7	11.6	0	0	2	7	31	48	29	17	8	3	3	3
PM Peak	15:00	19:00	19:00	20:00	12:00	12:00	14:00	13:00	13:00	12:00	14:00	15:00	17:00	17:00	17:00	16:00
	103	63.2	53.2	11.6	0	0	2	8	20	32	30	30	9	8	5	2

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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<65	Bin 11 65<70	Bin 12 >=70
00:00	2	49.8	42.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
01:00	2	49.8	42.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
02:00	2	53.7	50.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
03:00	11	57.6	49.8	7.5	0	0	0	0	1	2	3	2	2	1	0	0
04:00	13	65.0	52.5	12.0	0	0	0	0	0	4	4	2	0	0	1	2
05:00	22	69.4	56.7	12.3	0	0	0	1	1	2	3	2	5	1	4	3
06:00	64	63.9	53.0	10.5	0	0	1	3	5	4	10	10	12	13	5	1
07:00	80	63.8	53.8	9.6	0	0	1	1	4	6	14	19	17	9	5	4
08:00	171	60.0	50.8	8.8	0	0	2	2	11	28	42	31	30	17	5	3
09:00	229	52.1	45.8	6.2	0	0	0	5	31	75	69	31	14	3	1	0
10:00	202	53.9	46.4	7.2	0	0	1	7	33	44	55	42	14	5	0	1
11:00	159	53.4	46.0	7.1	0	0	2	2	33	31	46	30	12	2	1	0
12:00	158	55.4	47.9	7.3	0	0	0	2	14	44	48	26	15	4	4	1
13:00	156	55.5	46.4	8.7	0	0	1	10	27	36	32	25	14	7	3	1
14:00	195	54.8	47.0	7.5	0	0	2	4	21	49	64	35	10	5	3	2
15:00	196	55.9	48.4	7.3	0	0	1	2	15	49	51	50	19	4	3	2
16:00	160	56.3	48.3	7.8	0	0	0	4	16	43	26	45	18	4	2	2
17:00	126	59.5	50.5	8.7	0	0	0	2	7	24	42	16	16	10	6	3
18:00	78	59.2	52.0	7.0	0	0	0	0	3	7	22	23	14	6	2	1
19:00	48	59.0	50.5	8.2	0	0	0	1	2	10	13	5	14	1	1	1
20:00	34	60.9	52.3	8.4	0	0	0	0	2	5	6	9	7	3	1	1
21:00	17	54.3	43.8	10.1	0	0	1	2	4	3	1	4	1	1	0	0
22:00	7	51.7	47.5	4.1	0	0	0	0	0	2	3	2	0	0	0	0
23:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0		

ATC 2

Muingmore ATC 2

Flow Summary



Direction: Eastbound

Direction: Westbound

Direction: Total Flow

Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	5-Day Ave.	7-Day Ave.
00:00	2	3	2	2	2	2	2	2	2
01:00	0	0	0	0	1	2	3	0	1
02:00	0	1	0	0	1	3	0	0	1
03:00	0	0	0	1	0	1	0	0	0
04:00	1	1	2	1	1	2	0	1	1
05:00	1	1	2	1	1	0	0	1	1
06:00	1	1	3	5	2	1	2	2	2
07:00	9	12	9	12	8	10	4	10	9
08:00	21	21	21	19	13	6	6	19	15
09:00	24	20	16	13	14	12	13	17	16
10:00	8	21	23	20	16	24	16	18	18
11:00	29	19	19	16	21	37	26	21	24
12:00	24	26	28	22	21	26	22	24	24
13:00	32	32	23	26	23	26	19	27	26
14:00	25	18	29	19	22	41	23	23	25
15:00	35	34	45	40	30	26	28	37	34
16:00	43	45	48	33	31	23	28	40	36
17:00	30	40	36	44	32	19	26	36	32
18:00	29	33	33	34	29	24	22	32	29
19:00	34	29	35	30	24	17	20	30	27
20:00	24	22	28	26	19	10	21	24	21
21:00	19	17	15	14	14	12	11	16	15
22:00	9	10	5	8	8	9	5	8	8
23:00	2	1	7	0	3	10	0	3	3
Total 12H(7-19)	309	321	330	298	260	274	233	304	289
16H(6-22)	387	390	411	373	319	314	287	376	354
18H(6-24)	398	401	423	381	330	333	292	387	365
24H(0-24)	402	407	429	386	336	343	297	392	371
AM Peak	11:00 29	08:00 21	10:00 23	10:00 20	11:00 21	11:00 37	11:00 26	11:00 21	11:00 24
PM Peak	16:00 43	16:00 45	16:00 48	17:00 44	17:00 32	14:00 41	15:00 28	16:00 40	16:00 36

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Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	5-Day Ave.	7-Day Ave.
00:00	1	0	0	6	3	0	3	2	2
01:00	0	0	0	1	3	1	1	1	1
02:00	0	0	0	1	0	0	0	0	0
03:00	0	2	1	0	1	0	1	1	1
04:00	0	1	4	1	3	4	3	2	2
05:00	9	5	8	0	4	11	2	5	6
06:00	18	23	20	4	11	18	7	15	14
07:00	54	49	48	11	22	30	12	37	32
08:00	57	66	63	20	21	49	28	45	43
09:00	51	49	52	28	48	61	45	46	48
10:00	37	47	34	41	49	44	55	42	44
11:00	39	41	34	30	37	41	42	36	38
12:00	22	35	42	50	39	42	45	38	39
13:00	37	32	40	45	33	51	44	37	40
14:00	42	24	33	30	38	46	45	33	37
15:00	28	42	46	41	33	45	37	38	39
16:00	31	39	41	33	28	46	38	34	37
17:00	40	53	60	24	24	51	37	40	41
18:00	48	56	44	21	29	45	22	40	38
19:00	34	40	27	14	23	21	21	30	27
20:00	15	16	17	15	13	14	15	15	15
21:00	10	7	9	7	10	7	10	9	9
22:00	2	6	4	3	4	11	13	4	6
23:00	2	1	2	2	2	6	7	2	3
Total 12H(7-19)	486	533	537	374	401	551	450	466	476
16H(6-22)	563	619	610	424	458	611	503	535	541
18H(6-24)	567	626	616	429	464	628	523	540	550
24H(0-24)	577	634	629	438	478	644	533	551	562
AM Peak	08:00 57	08:00 66	08:00 63	10:00 41	10:00 49	09:00 61	10:00 55	09:00 46	09:00 48
PM Peak	18:00 48	18:00 56	17:00 60	12:00 50	12:00 39	13:00 51	12:00 45	17:00 40	17:00 41

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Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	5-Day Ave.	7-Day Ave.
00:00	3	3	2	8	5	2	5	4	4
01:00	0	0	0	1	4	3	4	1	2
02:00	0	1	0	1	1	3	0	1	1
03:00	0	2	1	1	1	1	1	1	1
04:00	1	2	6	2	4	6	3	3	3
05:00	10	6	10	1	5	11	2	6	6
06:00	19	24	23	9	13	19	9	18	17
07:00	63	61	57	23	30	40	16	47	41
08:00	78	87	84	39	34	55	34	64	59
09:00	75	69	68	41	62	73	58	63	64
10:00	45	68	57	61	65	68	71	59	62
11:00	68	60	53	46	58	78	68	57	62
12:00	46	61	70	72	60	68	67	62	63
13:00	69	64	63	71	56	77	63	65	66
14:00	67	42	62	49	60	87	68	56	62
15:00	63	76	91	81	63	71	65	75	73
16:00	74	84	89	66	59	69	66	74	72
17:00	70	93	96	68	56	70	63	77	74
18:00	77	89	77	55	58	69	44	71	67
19:00	68	69	62	54	47	38	41	60	54
20:00	39	38	45	41	32	24	36	39	36
21:00	29	24	24	21	24	19	21	24	23
22:00	11	16	9	11	12	20	18	12	14
23:00	4	2	9	2	5	16	7	4	6
Total 12H(7-19)	795	854	867	672	661	825	683	770	765
16H(6-22)	950	1009	1021	797	777	925	790	911	896
18H(6-24)	965	1027	1039	810	794	961	815	927	916
24H(0-24)	979	1041	1058	824	814	987	830	943	933
AM Peak	08:00 78	08:00 87	08:00 84	10:00 61	10:00 65	11:00 78	10:00 71	08:00 64	09:00 64
PM Peak	18:00 77	17:00 93	17:00 96	15:00 81	15:00 63	14:00 87	14:00 68	17:00 77	17:00 74

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Muingmore ATC 2

Class Summary

Direction: Eastbound

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	402	378	24	0	0
Tue 28 Nov 2023	407	382	25	0	0
Wed 29 Nov 2023	429	404	25	0	0
Thu 30 Nov 2023	386	364	22	0	0
Fri 1 Dec 2023	336	320	16	0	0
Sat 2 Dec 2023	343	332	11	0	0
Sun 3 Dec 2023	297	286	11	0	0
5 Day Ave.	392	370	22	0	0
7 Day Ave.	371	352	19	0	0

Direction: Westbound

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	577	549	28	0	0
Tue 28 Nov 2023	634	603	30	0	1
Wed 29 Nov 2023	629	597	32	0	0
Thu 30 Nov 2023	438	427	11	0	0
Fri 1 Dec 2023	478	452	26	0	0
Sat 2 Dec 2023	644	611	33	0	0
Sun 3 Dec 2023	533	517	16	0	0
5 Day Ave.	551	526	25	0	0
7 Day Ave.	562	537	25	0	0

Direction: Total Flow

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	979	927	52	0	0
Tue 28 Nov 2023	1041	985	55	0	1
Wed 29 Nov 2023	1058	1001	57	0	0
Thu 30 Nov 2023	824	791	33	0	0
Fri 1 Dec 2023	814	772	42	0	0
Sat 2 Dec 2023	987	943	44	0	0
Sun 3 Dec 2023	830	803	27	0	0
5 Day Ave.	943	895	48	0	0
7 Day Ave.	933	889	44	0	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	94.0%	6.0%	0.0%	0.0%
Tue 28 Nov 2023	100.0%	93.9%	6.1%	0.0%	0.0%
Wed 29 Nov 2023	100.0%	94.2%	5.8%	0.0%	0.0%
Thu 30 Nov 2023	100.0%	94.3%	5.7%	0.0%	0.0%
Fri 1 Dec 2023	100.0%	95.2%	4.8%	0.0%	0.0%
Sat 2 Dec 2023	100.0%	96.8%	3.2%	0.0%	0.0%
Sun 3 Dec 2023	100.0%	96.3%	3.7%	0.0%	0.0%
5 Day Ave.	100.0%	94.3%	5.7%	0.0%	0.0%
7 Day Ave.	100.0%	94.8%	5.2%	0.0%	0.0%

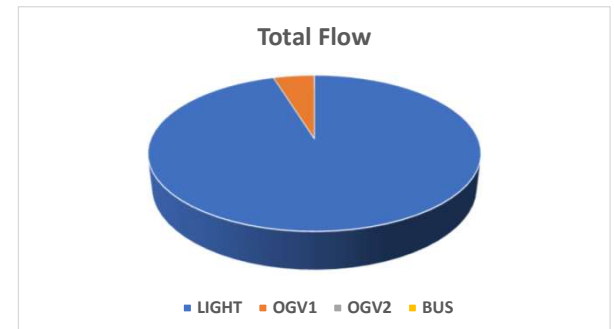
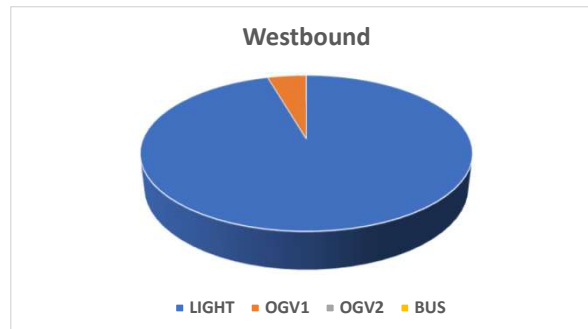
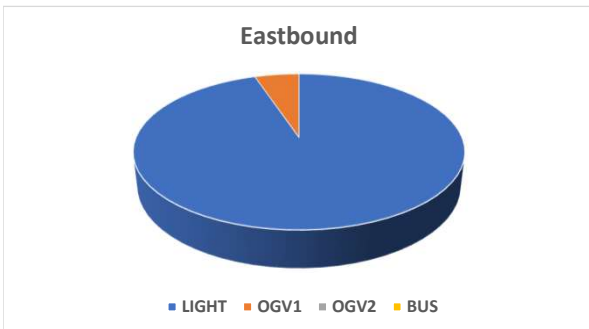
	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	95.1%	4.9%	0.0%	0.0%
Tue 28 Nov 2023	100.0%	95.1%	4.7%	0.0%	0.2%
Wed 29 Nov 2023	100.0%	94.9%	5.1%	0.0%	0.0%
Thu 30 Nov 2023	100.0%	97.5%	2.5%	0.0%	0.0%
Fri 1 Dec 2023	100.0%	94.6%	5.4%	0.0%	0.0%
Sat 2 Dec 2023	100.0%	94.9%	5.1%	0.0%	0.0%
Sun 3 Dec 2023	100.0%	97.0%	3.0%	0.0%	0.0%
5 Day Ave.	100.0%	95.4%	4.6%	0.0%	0.0%
7 Day Ave.	100.0%	95.5%	4.5%	0.0%	0.0%

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	94.7%	5.3%	0.0%	0.0%
Tue 28 Nov 2023	100.0%	94.6%	5.3%	0.0%	0.1%
Wed 29 Nov 2023	100.0%	94.6%	5.4%	0.0%	0.0%
Thu 30 Nov 2023	100.0%	96.0%	4.0%	0.0%	0.0%
Fri 1 Dec 2023	100.0%	94.8%	5.2%	0.0%	0.0%
Sat 2 Dec 2023	100.0%	95.5%	4.5%	0.0%	0.0%
Sun 3 Dec 2023	100.0%	96.7%	3.3%	0.0%	0.0%
5 Day Ave.	100.0%	94.9%	5.1%	0.0%	0.0%
7 Day Ave.	100.0%	95.2%	4.7%	0.0%	0.0%

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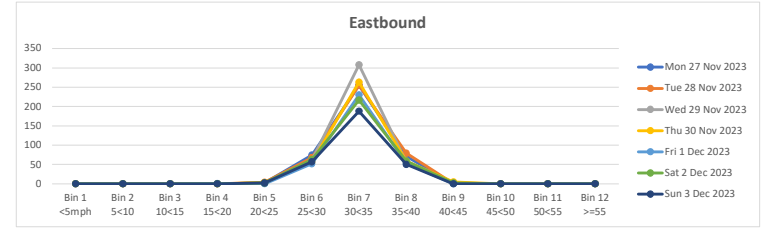
Muingmore ATC 2

(0-24) Speed Summary

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	402	35.6	32.4	3.1	0	0	0	0	2	74	255	71	0	0	0	0
Tue 28 Nov 2023	407	35.9	32.6	3.2	0	0	0	0	4	68	255	79	1	0	0	0
Wed 29 Nov 2023	429	35.3	32.4	2.8	0	0	0	0	2	61	308	56	2	0	0	0
Thu 30 Nov 2023	386	35.8	32.6	3.1	0	0	0	0	3	56	263	59	5	0	0	0
Fri 1 Dec 2023	336	35.5	32.5	2.9	0	0	0	1	0	52	230	53	0	0	0	0
Sat 2 Dec 2023	343	35.7	32.4	3.2	0	0	0	0	2	63	217	59	2	0	0	0
Sun 3 Dec 2023	297	35.5	32.3	3.1	0	0	0	0	2	57	188	50	0	0	0	0
5 Day Ave.	392	35.6	32.5	3.0	0	0	0	0	2	62	262	64	2	0	0	0
7 Day Ave.	371	35.6	32.5	3.1	0	0	0	0	2	62	245	61	1	0	0	0

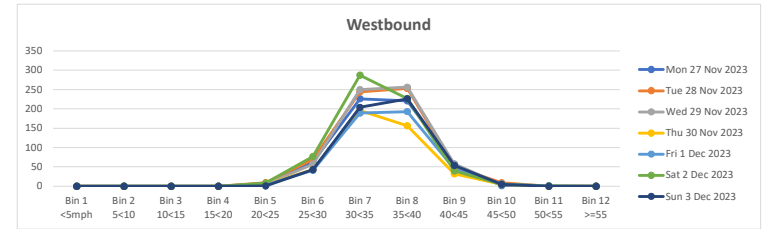
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Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	577	39.4	34.8	4.4	0	0	0	0	7	63	226	221	57	2	1	0
Tue 28 Nov 2023	634	39.4	34.8	4.5	0	0	0	0	9	69	244	253	50	9	0	0
Wed 29 Nov 2023	629	39.3	35.0	4.2	0	0	0	0	5	57	250	256	57	4	0	0
Thu 30 Nov 2023	438	39.1	34.6	4.3	0	0	0	0	5	43	196	156	32	5	1	0
Fri 1 Dec 2023	478	39.7	35.2	4.3	0	0	0	0	3	41	189	193	45	6	1	0
Sat 2 Dec 2023	644	38.7	34.3	4.2	0	0	0	0	8	77	287	227	40	5	0	0
Sun 3 Dec 2023	533	39.6	35.4	4.1	0	0	0	0	1	43	204	226	54	5	0	0
5 Day Ave.	551	39.4	34.9	4.3	0	0	0	0	6	55	221	216	48	5	1	0
7 Day Ave.	562	39.3	34.9	4.3	0	0	0	0	5	56	228	219	48	5	0	0

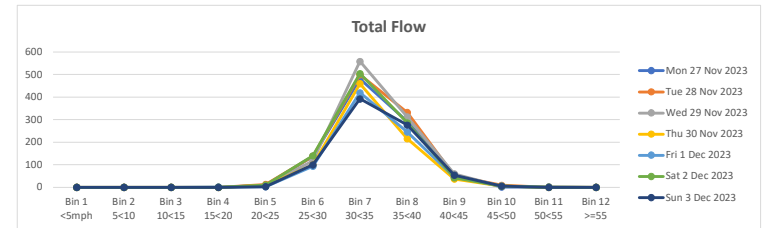
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	979	38.1	33.8	4.1	0	0	0	0	9	137	481	292	57	2	1	0
Tue 28 Nov 2023	1041	38.2	33.9	4.2	0	0	0	0	13	137	499	332	51	9	0	0
Wed 29 Nov 2023	1058	38.0	34.0	3.9	0	0	0	0	7	118	558	312	59	4	0	0
Thu 30 Nov 2023	824	37.7	33.7	3.9	0	0	0	0	8	99	459	215	37	5	1	0
Fri 1 Dec 2023	814	38.3	34.1	4.0	0	0	0	1	3	93	419	246	45	6	1	0
Sat 2 Dec 2023	987	37.8	33.6	4.0	0	0	0	0	10	140	504	286	42	5	0	0
Sun 3 Dec 2023	830	38.5	34.3	4.1	0	0	0	0	3	100	392	276	54	5	0	0
5 Day Ave.	943	38.1	33.9	4.0	0	0	0	0	8	117	483	279	50	5	1	0
7 Day Ave.	933	38.1	33.9	4.0	0	0	0	0	8	118	473	280	49	5	0	0

Paul Castle Associates



Muingmore ATC 2

(10-12) Speed Summary

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	37	35.2	32.2	2.9	0	0	0	0	0	7	25	5	0	0	0	0
Tue 28 Nov 2023	40	36.0	32.6	3.3	0	0	0	0	0	8	23	9	0	0	0	0
Wed 29 Nov 2023	42	36.1	32.6	3.4	0	0	0	0	1	5	29	6	1	0	0	0
Thu 30 Nov 2023	36	35.5	32.2	3.1	0	0	0	0	0	7	25	3	1	0	0	0
Fri 1 Dec 2023	37	35.5	32.5	2.9	0	0	0	0	0	6	25	6	0	0	0	0
Sat 2 Dec 2023	61	35.0	32.2	2.7	0	0	0	0	0	11	43	7	0	0	0	0
Sun 3 Dec 2023	42	35.7	32.1	3.4	0	0	0	0	1	8	26	7	0	0	0	0
5 Day Ave.	38	35.7	32.4	3.1	0	0	0	0	0	7	25	6	0	0	0	0
7 Day Ave.	42	35.6	32.4	3.1	0	0	0	0	0	7	28	6	0	0	0	0

Paul Castle Associates

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	76	39.8	35.3	4.3	0	0	0	0	1	5	30	31	8	1	0	0
Tue 28 Nov 2023	88	37.4	33.5	3.7	0	0	0	0	1	11	48	25	3	0	0	0
Wed 29 Nov 2023	68	38.0	34.3	3.6	0	0	0	0	0	6	36	22	4	0	0	0
Thu 30 Nov 2023	71	39.1	35.0	4.0	0	0	0	0	1	4	29	33	3	1	0	0
Fri 1 Dec 2023	86	39.7	35.5	4.0	0	0	0	0	0	9	24	45	8	0	0	0
Sat 2 Dec 2023	85	38.5	34.3	4.1	0	0	0	0	0	10	43	25	6	1	0	0
Sun 3 Dec 2023	97	40.0	35.2	4.6	0	0	0	0	0	11	37	37	9	3	0	0
5 Day Ave.	78	38.8	34.7	3.9	0	0	0	0	1	7	33	31	5	0	0	0
7 Day Ave.	82	38.9	34.7	4.1	0	0	0	0	0	8	35	31	6	1	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	113	38.6	34.3	4.2	0	0	0	0	1	12	55	36	8	1	0	0
Tue 28 Nov 2023	128	37.0	33.2	3.6	0	0	0	0	1	19	71	34	3	0	0	0
Wed 29 Nov 2023	110	37.4	33.6	3.6	0	0	0	0	1	11	65	28	5	0	0	0
Thu 30 Nov 2023	107	38.2	34.1	3.9	0	0	0	0	1	11	54	36	4	1	0	0
Fri 1 Dec 2023	123	38.7	34.6	3.9	0	0	0	0	0	15	49	51	8	0	0	0
Sat 2 Dec 2023	146	37.3	33.4	3.7	0	0	0	0	0	21	86	32	6	1	0	0
Sun 3 Dec 2023	139	39.0	34.3	4.5	0	0	0	0	1	19	63	44	9	3	0	0
5 Day Ave.	116	38.0	34.0	3.9	0	0	0	0	1	14	59	37	6	0	0	0
7 Day Ave.	124	38.0	33.9	3.9	0	0	0	0	1	15	63	37	6	1	0	0

Paul Castle Associates

Muingmore ATC 2

(14-16) Speed Summary

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	60	35.3	32.0	3.1	0	0	0	0	0	15	36	9	0	0	0	0
Tue 28 Nov 2023	52	35.0	32.0	2.8	0	0	0	0	1	8	38	5	0	0	0	0
Wed 29 Nov 2023	74	35.2	32.6	2.5	0	0	0	0	0	8	58	7	1	0	0	0
Thu 30 Nov 2023	59	35.5	32.6	2.9	0	0	0	0	0	9	40	10	0	0	0	0
Fri 1 Dec 2023	52	35.0	32.3	2.6	0	0	0	0	0	8	38	6	0	0	0	0
Sat 2 Dec 2023	67	35.1	31.8	3.1	0	0	0	0	1	15	43	8	0	0	0	0
Sun 3 Dec 2023	51	35.0	32.4	2.5	0	0	0	0	0	7	38	6	0	0	0	0
5 Day Ave.	59	35.2	32.3	2.8	0	0	0	0	0	10	42	7	0	0	0	0
7 Day Ave.	59	35.2	32.2	2.8	0	0	0	0	0	10	42	7	0	0	0	0

Paul Castle Associates

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	70	38.4	34.4	3.9	0	0	0	0	0	7	36	21	6	0	0	0
Tue 28 Nov 2023	66	39.9	35.1	4.7	0	0	0	0	1	7	25	23	10	0	0	0
Wed 29 Nov 2023	79	39.4	35.2	4.1	0	0	0	0	0	5	36	29	8	1	0	0
Thu 30 Nov 2023	71	38.9	34.8	4.0	0	0	0	0	0	7	32	25	7	0	0	0
Fri 1 Dec 2023	71	38.5	34.5	3.9	0	0	0	0	0	8	32	26	5	0	0	0
Sat 2 Dec 2023	91	37.8	33.7	4.0	0	0	0	0	1	13	44	29	4	0	0	0
Sun 3 Dec 2023	82	38.9	35.1	3.6	0	0	0	0	0	6	32	39	5	0	0	0
5 Day Ave.	71	39.0	34.8	4.1	0	0	0	0	0	7	32	25	7	0	0	0
7 Day Ave.	76	38.8	34.7	4.0	0	0	0	0	0	8	34	27	6	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	130	37.2	33.3	3.8	0	0	0	0	0	22	72	30	6	0	0	0
Tue 28 Nov 2023	118	38.1	33.7	4.2	0	0	0	0	2	15	63	28	10	0	0	0
Wed 29 Nov 2023	153	37.7	33.9	3.7	0	0	0	0	0	13	94	36	9	1	0	0
Thu 30 Nov 2023	130	37.6	33.8	3.7	0	0	0	0	0	16	72	35	7	0	0	0
Fri 1 Dec 2023	123	37.3	33.6	3.6	0	0	0	0	0	16	70	32	5	0	0	0
Sat 2 Dec 2023	158	36.8	32.9	3.7	0	0	0	0	2	28	87	37	4	0	0	0
Sun 3 Dec 2023	133	37.7	34.1	3.5	0	0	0	0	0	13	70	45	5	0	0	0
5 Day Ave.	131	37.6	33.7	3.8	0	0	0	0	0	16	74	32	7	0	0	0
7 Day Ave.	135	37.5	33.6	3.7	0	0	0	0	1	18	75	35	7	0	0	0

Paul Castle Associates

Muingmore ATC 2

Direction: Eastbound

27/11/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	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	1	1	0	0	0
05:00	1	1	0	0	0
06:00	1	1	0	0	0
07:00	9	8	1	0	0
08:00	21	20	1	0	0
09:00	24	22	2	0	0
10:00	8	6	2	0	0
11:00	29	27	2	0	0
12:00	24	19	5	0	0
13:00	32	32	0	0	0
14:00	25	21	4	0	0
15:00	35	32	3	0	0
16:00	43	41	2	0	0
17:00	30	30	0	0	0
18:00	29	27	2	0	0
19:00	34	34	0	0	0
20:00	24	24	0	0	0
21:00	19	19	0	0	0
22:00	9	9	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	309	285	24	0	0
16H(6-22)	387	363	24	0	0
18H(6-24)	398	374	24	0	0
24H(0-24)	402	378	24	0	0
AM Peak	11:00	11:00	09:00	00:00	00:00
	29	27	2	0	0
PM Peak	16:00	16:00	12:00	12:00	12:00
	43	41	5	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	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	9	8	1	0	0
06:00	18	18	0	0	0
07:00	54	48	6	0	0
08:00	57	57	0	0	0
09:00	51	50	1	0	0
10:00	37	35	2	0	0
11:00	39	35	4	0	0
12:00	22	21	1	0	0
13:00	37	35	2	0	0
14:00	42	41	1	0	0
15:00	28	26	2	0	0
16:00	31	28	3	0	0
17:00	40	40	0	0	0
18:00	48	44	4	0	0
19:00	34	33	1	0	0
20:00	15	15	0	0	0
21:00	10	10	0	0	0
22:00	2	2	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	486	460	26	0	0
16H(6-22)	563	536	27	0	0
18H(6-24)	567	540	27	0	0
24H(0-24)	577	549	28	0	0
AM Peak	08:00	08:00	07:00	00:00	00:00
	57	57	6	0	0
PM Peak	18:00	18:00	18:00	12:00	12:00
	48	44	4	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	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	1	1	0	0	0
05:00	10	9	1	0	0
06:00	19	19	0	0	0
07:00	63	56	7	0	0
08:00	78	77	1	0	0
09:00	75	72	3	0	0
10:00	45	41	4	0	0
11:00	68	62	6	0	0
12:00	46	40	6	0	0
13:00	69	67	2	0	0
14:00	67	62	5	0	0
15:00	63	58	5	0	0
16:00	74	69	5	0	0
17:00	70	70	0	0	0
18:00	77	71	6	0	0
19:00	68	67	1	0	0
20:00	39	39	0	0	0
21:00	29	29	0	0	0
22:00	11	11	0	0	0
23:00	4	4	0	0	0
Total					
12H(7-19)	795	745	50	0	0
16H(6-22)	950	899	51	0	0
18H(6-24)	965	914	51	0	0
24H(0-24)	979	927	52	0	0
AM Peak	08:00	08:00	07:00	00:00	00:00
	78	77	7	0	0
PM Peak	18:00	18:00	12:00	12:00	12:00
	77	71	6	0	0

Paul Castle Associates

Muingmore ATC 2

Direction: Eastbound

28/11/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	0	0	0	0	0
02:00	1	1	0	0	0
03:00	0	0	0	0	0
04:00	1	1	0	0	0
05:00	1	1	0	0	0
06:00	1	1	0	0	0
07:00	12	11	1	0	0
08:00	21	19	2	0	0
09:00	20	18	2	0	0
10:00	21	20	1	0	0
11:00	19	17	2	0	0
12:00	26	26	0	0	0
13:00	32	31	1	0	0
14:00	18	14	4	0	0
15:00	34	32	2	0	0
16:00	45	42	3	0	0
17:00	40	37	3	0	0
18:00	33	31	2	0	0
19:00	29	29	0	0	0
20:00	22	22	0	0	0
21:00	17	17	0	0	0
22:00	10	8	2	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	321	298	23	0	0
16H(6-22)	390	367	23	0	0
18H(6-24)	401	376	25	0	0
24H(0-24)	407	382	25	0	0
AM Peak	08:00	10:00	08:00	00:00	00:00
	21	20	2	0	0
PM Peak	16:00	16:00	14:00	12:00	12:00
	45	42	4	0	0

Paul Castle Associates

Direction: Westbound

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	2	2	0	0	0
04:00	1	1	0	0	0
05:00	5	4	1	0	0
06:00	23	22	1	0	0
07:00	49	47	2	0	0
08:00	66	65	1	0	0
09:00	49	48	1	0	0
10:00	47	43	3	0	1
11:00	41	39	2	0	0
12:00	35	34	1	0	0
13:00	32	30	2	0	0
14:00	24	24	0	0	0
15:00	42	39	3	0	0
16:00	39	38	1	0	0
17:00	53	48	5	0	0
18:00	56	49	7	0	0
19:00	40	40	0	0	0
20:00	16	16	0	0	0
21:00	7	7	0	0	0
22:00	6	6	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	533	504	28	0	1
16H(6-22)	619	589	29	0	1
18H(6-24)	626	596	29	0	1
24H(0-24)	634	603	30	0	1
AM Peak	08:00	08:00	10:00	00:00	10:00
	66	65	3	0	1
PM Peak	18:00	18:00	18:00	12:00	12:00
	56	49	7	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	0	0	0	0	0
02:00	1	1	0	0	0
03:00	2	2	0	0	0
04:00	2	2	0	0	0
05:00	6	5	1	0	0
06:00	24	23	1	0	0
07:00	61	58	3	0	0
08:00	87	84	3	0	0
09:00	69	66	3	0	0
10:00	68	63	4	0	1
11:00	60	56	4	0	0
12:00	61	60	1	0	0
13:00	64	61	3	0	0
14:00	42	38	4	0	0
15:00	76	71	5	0	0
16:00	84	80	4	0	0
17:00	93	85	8	0	0
18:00	89	80	9	0	0
19:00	69	69	0	0	0
20:00	38	38	0	0	0
21:00	24	24	0	0	0
22:00	16	14	2	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	854	802	51	0	1
16H(6-22)	1009	956	52	0	1
18H(6-24)	1027	972	54	0	1
24H(0-24)	1041	985	55	0	1
AM Peak	08:00	08:00	10:00	00:00	10:00
	87	84	4	0	1
PM Peak	17:00	17:00	18:00	12:00	12:00
	93	85	9	0	0

Paul Castle Associates

Muingmore ATC 2

Direction: Eastbound

29/11/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	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	2	2	0	0	0
05:00	2	1	1	0	0
06:00	3	3	0	0	0
07:00	9	8	1	0	0
08:00	21	18	3	0	0
09:00	16	14	2	0	0
10:00	23	21	2	0	0
11:00	19	18	1	0	0
12:00	28	28	0	0	0
13:00	23	20	3	0	0
14:00	29	28	1	0	0
15:00	45	42	3	0	0
16:00	48	44	4	0	0
17:00	36	35	1	0	0
18:00	33	33	0	0	0
19:00	35	33	2	0	0
20:00	28	27	1	0	0
21:00	15	15	0	0	0
22:00	5	5	0	0	0
23:00	7	7	0	0	0
Total					
12H(7-19)	330	309	21	0	0
16H(6-22)	411	387	24	0	0
18H(6-24)	423	399	24	0	0
24H(0-24)	429	404	25	0	0
AM Peak	10:00	10:00	08:00	00:00	00:00
	23	21	3	0	0
PM Peak	16:00	16:00	16:00	12:00	12:00
	48	44	4	0	0

Paul Castle Associates

Direction: Westbound

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	1	0	1	0	0
04:00	4	4	0	0	0
05:00	8	7	1	0	0
06:00	20	15	5	0	0
07:00	48	45	3	0	0
08:00	63	60	3	0	0
09:00	52	50	2	0	0
10:00	34	33	1	0	0
11:00	34	31	3	0	0
12:00	42	39	3	0	0
13:00	40	39	1	0	0
14:00	33	31	2	0	0
15:00	46	45	1	0	0
16:00	41	40	1	0	0
17:00	60	58	2	0	0
18:00	44	43	1	0	0
19:00	27	26	1	0	0
20:00	17	17	0	0	0
21:00	9	8	1	0	0
22:00	4	4	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	537	514	23	0	0
16H(6-22)	610	580	30	0	0
18H(6-24)	616	586	30	0	0
24H(0-24)	629	597	32	0	0
AM Peak	08:00	08:00	06:00	00:00	00:00
	63	60	5	0	0
PM Peak	17:00	17:00	12:00	12:00	12:00
	60	58	3	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	1	0	1	0	0
04:00	6	6	0	0	0
05:00	10	8	2	0	0
06:00	23	18	5	0	0
07:00	57	53	4	0	0
08:00	84	78	6	0	0
09:00	68	64	4	0	0
10:00	57	54	3	0	0
11:00	53	49	4	0	0
12:00	70	67	3	0	0
13:00	63	59	4	0	0
14:00	62	59	3	0	0
15:00	91	87	4	0	0
16:00	89	84	5	0	0
17:00	96	93	3	0	0
18:00	77	76	1	0	0
19:00	62	59	3	0	0
20:00	45	44	1	0	0
21:00	24	23	1	0	0
22:00	9	9	0	0	0
23:00	9	9	0	0	0
Total					
12H(7-19)	867	823	44	0	0
16H(6-22)	1021	967	54	0	0
18H(6-24)	1039	985	54	0	0
24H(0-24)	1058	1001	57	0	0
AM Peak	08:00	08:00	08:00	00:00	00:00
	84	78	6	0	0
PM Peak	17:00	17:00	16:00	12:00	12:00
	96	93	5	0	0

Paul Castle Associates

Muingmore ATC 2

Direction: Eastbound

30/11/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	1	1	0	0	0
04:00	1	1	0	0	0
05:00	1	1	0	0	0
06:00	5	4	1	0	0
07:00	12	12	0	0	0
08:00	19	18	1	0	0
09:00	13	12	1	0	0
10:00	20	18	2	0	0
11:00	16	14	2	0	0
12:00	22	20	2	0	0
13:00	26	24	2	0	0
14:00	19	19	0	0	0
15:00	40	36	4	0	0
16:00	33	32	1	0	0
17:00	44	42	2	0	0
18:00	34	31	3	0	0
19:00	30	29	1	0	0
20:00	26	26	0	0	0
21:00	14	14	0	0	0
22:00	8	8	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	298	278	20	0	0
16H(6-22)	373	351	22	0	0
18H(6-24)	381	359	22	0	0
24H(0-24)	386	364	22	0	0
AM Peak	10:00	08:00	10:00	00:00	00:00
	20	18	2	0	0
PM Peak	17:00	17:00	15:00	12:00	12:00
	44	42	4	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	6	0	0	0
01:00	1	1	0	0	0
02:00	1	1	0	0	0
03:00	0	0	0	0	0
04:00	1	1	0	0	0
05:00	0	0	0	0	0
06:00	4	4	0	0	0
07:00	11	11	0	0	0
08:00	20	20	0	0	0
09:00	28	28	0	0	0
10:00	41	40	1	0	0
11:00	30	29	1	0	0
12:00	50	49	1	0	0
13:00	45	45	0	0	0
14:00	30	30	0	0	0
15:00	41	40	1	0	0
16:00	33	32	1	0	0
17:00	24	23	1	0	0
18:00	21	19	2	0	0
19:00	24	22	2	0	0
20:00	15	15	0	0	0
21:00	7	6	1	0	0
22:00	3	3	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	374	366	8	0	0
16H(6-22)	424	413	11	0	0
18H(6-24)	429	418	11	0	0
24H(0-24)	438	427	11	0	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	41	40	1	0	0
PM Peak	12:00	12:00	18:00	12:00	12:00
	50	49	2	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	1	1	0	0	0
02:00	1	1	0	0	0
03:00	1	1	0	0	0
04:00	2	2	0	0	0
05:00	1	1	0	0	0
06:00	9	8	1	0	0
07:00	23	23	0	0	0
08:00	39	38	1	0	0
09:00	41	40	1	0	0
10:00	61	58	3	0	0
11:00	46	43	3	0	0
12:00	72	69	3	0	0
13:00	71	69	2	0	0
14:00	49	49	0	0	0
15:00	81	76	5	0	0
16:00	66	64	2	0	0
17:00	68	65	3	0	0
18:00	55	50	5	0	0
19:00	54	51	3	0	0
20:00	41	41	0	0	0
21:00	21	20	1	0	0
22:00	11	11	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	672	644	28	0	0
16H(6-22)	797	764	33	0	0
18H(6-24)	810	777	33	0	0
24H(0-24)	824	791	33	0	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	61	58	3	0	0
PM Peak	15:00	15:00	15:00	12:00	12:00
	81	76	5	0	0

Paul Castle Associates

Muingmore ATC 2

Direction: Eastbound

01/12/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	1	1	0	0	0
02:00	1	1	0	0	0
03:00	0	0	0	0	0
04:00	1	1	0	0	0
05:00	1	1	0	0	0
06:00	2	2	0	0	0
07:00	8	8	0	0	0
08:00	13	12	1	0	0
09:00	14	13	1	0	0
10:00	16	15	1	0	0
11:00	21	19	2	0	0
12:00	21	20	1	0	0
13:00	23	22	1	0	0
14:00	22	20	2	0	0
15:00	30	28	2	0	0
16:00	31	29	2	0	0
17:00	32	31	1	0	0
18:00	29	28	1	0	0
19:00	24	23	1	0	0
20:00	19	19	0	0	0
21:00	14	14	0	0	0
22:00	8	8	0	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	260	245	15	0	0
16H(6-22)	319	303	16	0	0
18H(6-24)	330	314	16	0	0
24H(0-24)	336	320	16	0	0
AM Peak	11:00	11:00	11:00	00:00	00:00
	21	19	2	0	0
PM Peak	17:00	17:00	14:00	12:00	12:00
	32	31	2	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	3	3	0	0	0
02:00	0	0	0	0	0
03:00	1	0	1	0	0
04:00	3	3	0	0	0
05:00	4	4	0	0	0
06:00	11	10	1	0	0
07:00	22	21	1	0	0
08:00	21	20	1	0	0
09:00	48	44	4	0	0
10:00	49	47	2	0	0
11:00	37	34	3	0	0
12:00	39	36	3	0	0
13:00	33	33	0	0	0
14:00	38	37	1	0	0
15:00	33	31	2	0	0
16:00	28	26	2	0	0
17:00	24	24	0	0	0
18:00	29	26	3	0	0
19:00	23	21	2	0	0
20:00	13	13	0	0	0
21:00	10	10	0	0	0
22:00	4	4	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	401	379	22	0	0
16H(6-22)	458	433	25	0	0
18H(6-24)	464	439	25	0	0
24H(0-24)	478	452	26	0	0
AM Peak	10:00	10:00	09:00	00:00	00:00
	49	47	4	0	0
PM Peak	12:00	14:00	12:00	12:00	12:00
	39	37	3	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	4	4	0	0	0
02:00	1	1	0	0	0
03:00	1	0	1	0	0
04:00	4	4	0	0	0
05:00	5	5	0	0	0
06:00	13	12	1	0	0
07:00	30	29	1	0	0
08:00	34	32	2	0	0
09:00	62	57	5	0	0
10:00	65	62	3	0	0
11:00	58	53	5	0	0
12:00	60	56	4	0	0
13:00	56	55	1	0	0
14:00	60	57	3	0	0
15:00	63	59	4	0	0
16:00	59	55	4	0	0
17:00	56	55	1	0	0
18:00	58	54	4	0	0
19:00	47	44	3	0	0
20:00	32	32	0	0	0
21:00	24	24	0	0	0
22:00	12	12	0	0	0
23:00	5	5	0	0	0
Total					
12H(7-19)	661	624	37	0	0
16H(6-22)	777	736	41	0	0
18H(6-24)	794	753	41	0	0
24H(0-24)	814	772	42	0	0
AM Peak	10:00	10:00	09:00	00:00	00:00
	65	62	5	0	0
PM Peak	15:00	15:00	12:00	12:00	12:00
	63	59	4	0	0

Paul Castle Associates

Muingmore ATC 2

Direction: Eastbound

02/12/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	3	3	0	0	0
03:00	1	1	0	0	0
04:00	2	2	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	10	10	0	0	0
08:00	6	5	1	0	0
09:00	12	11	1	0	0
10:00	24	24	0	0	0
11:00	37	35	2	0	0
12:00	26	26	0	0	0
13:00	26	26	0	0	0
14:00	41	37	4	0	0
15:00	26	25	1	0	0
16:00	23	21	2	0	0
17:00	19	19	0	0	0
18:00	24	24	0	0	0
19:00	17	17	0	0	0
20:00	10	10	0	0	0
21:00	12	12	0	0	0
22:00	9	9	0	0	0
23:00	10	10	0	0	0
Total					
12H(7-19)	274	263	11	0	0
16H(6-22)	314	303	11	0	0
18H(6-24)	333	322	11	0	0
24H(0-24)	343	332	11	0	0
AM Peak	11:00	11:00	11:00	00:00	00:00
	37	35	2	0	0
PM Peak	14:00	14:00	14:00	12:00	12:00
	41	37	4	0	0

Paul Castle Associates

Direction: Westbound

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	4	4	0	0	0
05:00	11	11	0	0	0
06:00	18	18	0	0	0
07:00	30	28	2	0	0
08:00	49	46	3	0	0
09:00	61	57	4	0	0
10:00	44	40	4	0	0
11:00	41	39	2	0	0
12:00	42	41	1	0	0
13:00	51	48	3	0	0
14:00	46	40	6	0	0
15:00	45	44	1	0	0
16:00	46	44	2	0	0
17:00	51	51	0	0	0
18:00	45	41	4	0	0
19:00	21	21	0	0	0
20:00	14	14	0	0	0
21:00	7	7	0	0	0
22:00	11	11	0	0	0
23:00	6	5	1	0	0
Total					
12H(7-19)	551	519	32	0	0
16H(6-22)	611	579	32	0	0
18H(6-24)	628	595	33	0	0
24H(0-24)	644	611	33	0	0
AM Peak	09:00	09:00	09:00	00:00	00:00
	61	57	4	0	0
PM Peak	13:00	17:00	14:00	12:00	12:00
	51	51	6	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	3	3	0	0	0
02:00	3	3	0	0	0
03:00	1	1	0	0	0
04:00	6	6	0	0	0
05:00	11	11	0	0	0
06:00	19	19	0	0	0
07:00	40	38	2	0	0
08:00	55	51	4	0	0
09:00	73	68	5	0	0
10:00	68	64	4	0	0
11:00	78	74	4	0	0
12:00	68	67	1	0	0
13:00	77	74	3	0	0
14:00	87	77	10	0	0
15:00	71	69	2	0	0
16:00	69	65	4	0	0
17:00	70	70	0	0	0
18:00	69	65	4	0	0
19:00	38	38	0	0	0
20:00	24	24	0	0	0
21:00	19	19	0	0	0
22:00	20	20	0	0	0
23:00	16	15	1	0	0
Total					
12H(7-19)	825	782	43	0	0
16H(6-22)	925	882	43	0	0
18H(6-24)	961	917	44	0	0
24H(0-24)	987	943	44	0	0
AM Peak	11:00	11:00	09:00	00:00	00:00
	78	74	5	0	0
PM Peak	14:00	14:00	14:00	12:00	12:00
	87	77	10	0	0

Paul Castle Associates

Muingmore ATC 2

Direction: Eastbound

03/12/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	3	3	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	4	4	0	0	0
08:00	6	6	0	0	0
09:00	13	13	0	0	0
10:00	16	16	0	0	0
11:00	26	24	2	0	0
12:00	22	21	1	0	0
13:00	19	19	0	0	0
14:00	23	21	2	0	0
15:00	28	28	0	0	0
16:00	28	26	2	0	0
17:00	26	25	1	0	0
18:00	22	21	1	0	0
19:00	20	19	1	0	0
20:00	21	21	0	0	0
21:00	11	10	1	0	0
22:00	5	5	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	233	224	9	0	0
16H(6-22)	287	276	11	0	0
18H(6-24)	292	281	11	0	0
24H(0-24)	297	286	11	0	0
AM Peak	11:00	11:00	11:00	00:00	00:00
	26	24	2	0	0
PM Peak	15:00	15:00	14:00	12:00	12:00
	28	28	2	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	1	1	0	0	0
04:00	3	3	0	0	0
05:00	2	2	0	0	0
06:00	7	6	1	0	0
07:00	12	11	1	0	0
08:00	28	27	1	0	0
09:00	45	44	1	0	0
10:00	55	54	1	0	0
11:00	42	42	0	0	0
12:00	45	45	0	0	0
13:00	44	43	1	0	0
14:00	45	43	2	0	0
15:00	37	37	0	0	0
16:00	38	35	3	0	0
17:00	37	36	1	0	0
18:00	22	21	1	0	0
19:00	21	21	0	0	0
20:00	15	15	0	0	0
21:00	10	8	2	0	0
22:00	13	12	1	0	0
23:00	7	7	0	0	0
Total					
12H(7-19)	450	438	12	0	0
16H(6-22)	503	488	15	0	0
18H(6-24)	523	507	16	0	0
24H(0-24)	533	517	16	0	0
AM Peak	10:00	10:00	06:00	00:00	00:00
	55	54	1	0	0
PM Peak	12:00	12:00	16:00	12:00	12:00
	45	45	3	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	4	4	0	0	0
02:00	0	0	0	0	0
03:00	1	1	0	0	0
04:00	3	3	0	0	0
05:00	2	2	0	0	0
06:00	9	8	1	0	0
07:00	16	15	1	0	0
08:00	34	33	1	0	0
09:00	58	57	1	0	0
10:00	71	70	1	0	0
11:00	68	66	2	0	0
12:00	67	66	1	0	0
13:00	63	62	1	0	0
14:00	68	64	4	0	0
15:00	65	65	0	0	0
16:00	66	61	5	0	0
17:00	63	61	2	0	0
18:00	44	42	2	0	0
19:00	41	40	1	0	0
20:00	36	36	0	0	0
21:00	21	18	3	0	0
22:00	18	17	1	0	0
23:00	7	7	0	0	0
Total					
12H(7-19)	683	662	21	0	0
16H(6-22)	790	764	26	0	0
18H(6-24)	815	788	27	0	0
24H(0-24)	830	803	27	0	0
AM Peak	10:00	10:00	11:00	00:00	00:00
	71	70	2	0	0
PM Peak	14:00	12:00	16:00	12:00	12:00
	68	66	5	0	0

Paul Castle Associates

Muingmore ATC 2

Speed 27 11 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	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	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
06:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
07:00	9	37.8	34.2	3.5	0	0	0	0	0	1	4	4	0	0	0	0
08:00	21	35.3	32.5	2.7	0	0	0	0	0	3	15	3	0	0	0	0
09:00	24	35.5	32.1	3.3	0	0	0	0	1	3	17	3	0	0	0	0
10:00	8	36.4	33.1	3.2	0	0	0	0	0	1	5	2	0	0	0	0
11:00	29	34.9	32.0	2.8	0	0	0	0	0	6	20	3	0	0	0	0
12:00	24	34.0	31.3	2.7	0	0	0	0	0	7	16	1	0	0	0	0
13:00	32	34.7	31.7	2.9	0	0	0	0	0	8	21	3	0	0	0	0
14:00	25	35.4	31.9	3.3	0	0	0	0	0	7	14	4	0	0	0	0
15:00	35	35.2	32.1	3.1	0	0	0	0	0	8	22	5	0	0	0	0
16:00	43	36.7	33.3	3.3	0	0	0	0	0	6	24	13	0	0	0	0
17:00	30	35.8	32.5	3.2	0	0	0	0	1	3	21	5	0	0	0	0
18:00	29	36.6	33.9	2.6	0	0	0	0	0	1	19	9	0	0	0	0
19:00	34	35.6	32.8	2.7	0	0	0	0	0	4	24	6	0	0	0	0
20:00	24	35.5	32.3	3.1	0	0	0	0	0	5	15	4	0	0	0	0
21:00	19	35.3	31.7	3.4	0	0	0	0	0	6	10	3	0	0	0	0
22:00	9	36.8	31.9	4.6	0	0	0	0	0	4	2	3	0	0	0	0
23:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
Total																
2H(10-12)	37	35.2	32.2	2.9	0	0	0	0	0	7	25	5	0	0	0	0
2H(14-16)	60	35.3	32.0	3.1	0	0	0	0	0	15	36	9	0	0	0	0
12H(7-19)	309	35.6	32.5	3.1	0	0	0	0	2	54	198	55	0	0	0	0
24H(0-24)	402	35.6	32.4	3.1	0	0	0	0	2	74	255	71	0	0	0	0
AM Peak	11:00	07:00	07:00	07:00	00:00	00:00	00:00	00:00	09:00	11:00	11:00	07:00	00:00	00:00	00:00	00:00
	29	37.8	34.2	3.5	0	0	0	0	1	6	20	4	0	0	0	0
PM Peak	16:00	22:00	18:00	22:00	12:00	12:00	12:00	12:00	17:00	13:00	16:00	16:00	12:00	12:00	12:00	12:00
	43	36.8	33.9	4.6	0	0	0	0	1	8	24	13	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	1	-	42.5	-	0	0	0	0	0	0	0	0	1	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	9	42.4	36.9	5.3	0	0	0	0	0	1	2	3	3	0	0	0
06:00	18	40.9	35.6	5.2	0	0	0	0	0	0	11	5	1	0	1	0
07:00	54	41.1	36.3	4.7	0	0	0	0	1	3	16	22	12	0	0	0
08:00	57	40.2	36.0	4.0	0	0	0	0	1	0	22	27	6	1	0	0
09:00	51	38.9	34.5	4.3	0	0	0	0	0	7	22	17	5	0	0	0
10:00	37	40.4	35.6	4.6	0	0	0	0	1	2	12	18	3	1	0	0
11:00	39	39.3	35.1	4.1	0	0	0	0	0	3	18	13	5	0	0	0
12:00	22	40.7	36.1	4.4	0	0	0	0	0	2	6	10	4	0	0	0
13:00	37	37.3	32.8	4.4	0	0	0	0	1	9	15	11	1	0	0	0
14:00	42	38.8	34.5	4.1	0	0	0	0	0	4	22	11	5	0	0	0
15:00	28	37.9	34.1	3.6	0	0	0	0	0	3	14	10	1	0	0	0
16:00	31	38.0	34.3	3.5	0	0	0	0	0	3	15	12	1	0	0	0
17:00	40	39.7	35.5	4.1	0	0	0	0	1	2	12	22	3	0	0	0
18:00	48	39.3	35.3	3.8	0	0	0	0	0	3	20	20	5	0	0	0
19:00	34	36.0	31.8	4.1	0	0	0	0	0	14	11	9	0	0	0	0
20:00	15	37.8	32.8	4.8	0	0	0	0	1	3	5	6	0	0	0	0
21:00	10	39.5	34.5	4.8	0	0	0	0	0	2	3	4	1	0	0	0
22:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
23:00	2	39.8	32.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
Total																
2H(10-12)	76	39.8	35.3	4.3	0	0	0	0	1	5	30	31	8	1	0	0
2H(14-16)	70	38.4	34.4	3.9	0	0	0	0	0	7	36	21	6	0	0	0
12H(7-19)	486	39.5	35.1	4.2	0	0	0	0	5	41	194	193	51	2	0	0
24H(0-24)	577	39.4	34.8	4.4	0	0	0	0	7	63	226	221	57	2	1	0
AM Peak	08:00	05:00	00:00	05:00	00:00	00:00	00:00	00:00	07:00	09:00	08:00	08:00	07:00	08:00	06:00	00:00
	57	42.4	42.5	5.3	0	0	0	0	1	7	22	27	12	1	1	0
PM Peak	18:00	12:00	12:00	23:00	12:00	12:00	12:00	12:00	13:00	19:00	14:00	17:00	14:00	12:00	12:00	12:00
	48	40.7	36.1	7.1	0	0	0	0	1	14	22	22	5	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	3	41.8	35.8	5.8	0	0	0	0	0	0	2	0	1	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	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	10	41.9	36.5	5.2	0	0	0	0	0	1	3	3	3	0	0	0
06:00	19	40.7	35.4	5.1	0	0	0	0	0	0	12	5	1	0	1	0
07:00	63	40.7	36.0	4.5	0	0	0	0	1	4	20	26	12	0	0	0
08:00	78	39.2	35.1	4.0	0	0	0	0	1	3	37	30	6	1	0	0
09:00	75	37.9	33.7	4.1	0	0	0	0	1	10	39	20	5	0	0	0
10:00	45	39.8	35.2	4.5	0	0	0	0	1	3	17	20	3	1	0	0
11:00	68	37.8	33.8	3.9	0	0	0	0	0	9	38	16	5	0	0	0
12:00	46	38.1	33.6	4.3	0	0	0	0	0	9	22	11	4	0	0	0
13:00	69	36.2	32.3	3.8	0	0	0	0	1	17	36	14	1	0	0	0
14:00	67	37.7	33.5	4.0	0	0	0	0	0	11	36	15	5	0	0	0
15:00	63	36.5	33.0	3.4	0	0	0	0	0	11	36	15	1	0	0	0
16:00	74	37.2	33.7	3.4	0	0	0	0	0	9	39	25	1	0	0	0
17:00	70	38.3	34.2	4.0	0	0	0	0	2	5	33	27	3	0	0	0
18:00	77	38.4	34.8	3.5	0	0	0	0	0	4	39	29	5	0	0	0
19:00	68	35.9	32.3	3.5	0	0	0	0	0	18	35	15	0	0	0	0
20:00	39	36.4	32.5	3.8	0	0	0	0	1	8	20	10	0	0	0	0
21:00	29	36.9	32.7	4.1	0	0	0	0	0	8	13	7	1	0	0	0
22:00	11	36.0	30.7	5.1	0	0	0	0	1	5	2	3	0	0	0	0
23:00	4	36.7	32.5	4.1	0	0	0	0	0	1	2	1	0	0	0	0
Total																
2H(10-12)	113	38.6	34.3	4.2	0	0	0	0	1	12	55	36	8	1	0	0
2H(14-16)	130	37.2	33.3	3.8	0	0	0	0	0	22	72	30	6	0	0	0
12																

Muingmore ATC 2

Speed 28 11 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	3	33.8	30.8	2.9	0	0	0	0	0	1	2	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
06:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
07:00	12	35.4	33.3	1.9	0	0	0	0	0	0	10	2	0	0	0	0
08:00	21	37.9	34.4	3.3	0	0	0	0	0	2	9	10	0	0	0	0
09:00	20	35.4	32.8	2.6	0	0	0	0	0	2	15	3	0	0	0	0
10:00	21	36.6	33.2	3.3	0	0	0	0	0	3	12	6	0	0	0	0
11:00	19	35.4	32.0	3.3	0	0	0	0	0	5	11	3	0	0	0	0
12:00	26	34.6	31.2	3.3	0	0	0	0	0	10	13	3	0	0	0	0
13:00	32	35.2	31.6	3.5	0	0	0	0	1	7	22	1	1	0	0	0
14:00	18	34.3	31.7	2.6	0	0	0	0	0	4	13	1	0	0	0	0
15:00	34	35.3	32.2	3.0	0	0	0	0	1	4	25	4	0	0	0	0
16:00	45	35.4	32.6	2.7	0	0	0	0	0	6	32	7	0	0	0	0
17:00	40	36.9	33.1	3.6	0	0	0	0	1	5	22	12	0	0	0	0
18:00	33	36.2	33.1	3.0	0	0	0	0	0	4	21	8	0	0	0	0
19:00	29	36.4	32.5	3.8	0	0	0	0	1	5	16	7	0	0	0	0
20:00	22	36.7	33.9	2.8	0	0	0	0	0	1	14	7	0	0	0	0
21:00	17	34.6	31.0	3.4	0	0	0	0	0	7	8	2	0	0	0	0
22:00	10	35.7	33.5	2.1	0	0	0	0	0	0	8	2	0	0	0	0
23:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
Total	40	36.0	32.6	3.3	0	0	0	0	8	23	9	0	0	0	0	0
2H(10-12)	52	35.0	32.0	2.8	0	0	0	0	1	8	38	5	0	0	0	0
2H(14-16)	321	35.8	32.6	3.2	0	0	0	0	3	52	205	60	1	0	0	0
12H(7-19)	407	35.9	32.6	3.2	0	0	0	0	4	68	255	79	1	0	0	0
24H(0-24)	08:00	08:00	06:00	08:00	00:00	00:00	00:00	00:00	00:00	11:00	09:00	08:00	00:00	00:00	00:00	00:00
AM Peak	21	37.9	37.5	3.3	0	0	0	0	5	15	10	0	0	0	0	0
PM Peak	16:00	17:00	20:00	19:00	12:00	12:00	12:00	13:00	12:00	16:00	17:00	13:00	12:00	12:00	12:00	12:00
	45	36.9	33.9	3.8	0	0	0	0	1	10	32	12	1	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	2	38.7	35.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
04:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
05:00	5	36.2	32.5	3.5	0	0	0	0	0	1	3	1	0	0	0	0
06:00	23	40.1	36.2	3.8	0	0	0	0	0	1	7	12	3	0	0	0
07:00	49	42.5	37.1	5.2	0	0	0	0	0	4	11	24	5	5	0	0
08:00	66	41.0	35.8	5.1	0	0	0	0	3	3	21	27	11	1	0	0
09:00	49	38.8	34.2	4.4	0	0	0	0	1	7	18	20	3	0	0	0
10:00	47	36.9	32.8	4.0	0	0	0	0	1	9	24	12	1	0	0	0
11:00	41	37.8	34.3	3.3	0	0	0	0	0	2	24	13	2	0	0	0
12:00	35	38.0	33.6	4.2	0	0	0	0	0	8	12	14	1	0	0	0
13:00	32	37.9	33.9	3.9	0	0	0	0	0	4	17	9	2	0	0	0
14:00	24	40.8	35.8	4.8	0	0	0	0	0	3	7	9	5	0	0	0
15:00	42	39.4	34.6	4.6	0	0	0	0	1	4	18	14	5	0	0	0
16:00	39	38.4	34.6	3.8	0	0	0	0	0	5	14	19	1	0	0	0
17:00	53	39.3	35.6	3.6	0	0	0	0	0	3	17	31	1	1	0	0
18:00	56	40.4	34.8	5.4	0	0	0	0	2	8	17	22	5	2	0	0
19:00	40	39.4	35.0	4.2	0	0	0	0	1	1	20	13	5	0	0	0
20:00	16	37.7	33.1	4.4	0	0	0	0	0	5	4	7	0	0	0	0
21:00	7	36.8	33.2	3.5	0	0	0	0	0	1	4	2	0	0	0	0
22:00	6	35.4	33.3	2.0	0	0	0	0	0	0	5	1	0	0	0	0
23:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
Total	88	37.4	33.5	3.7	0	0	0	0	1	11	48	25	3	0	0	0
2H(10-12)	66	39.9	35.1	4.7	0	0	0	0	1	7	25	23	10	0	0	0
2H(14-16)	533	39.5	34.8	4.5	0	0	0	0	8	60	200	214	42	9	0	0
12H(7-19)	634	39.4	34.8	4.5	0	0	0	0	9	69	244	253	50	9	0	0
24H(0-24)	08:00	07:00	04:00	07:00	00:00	00:00	00:00	00:00	08:00	10:00	10:00	08:00	08:00	07:00	00:00	00:00
AM Peak	66	42.5	37.5	5.2	0	0	0	0	3	9	24	27	11	5	0	0
PM Peak	18:00	14:00	23:00	18:00	12:00	12:00	12:00	12:00	18:00	12:00	19:00	17:00	14:00	18:00	12:00	12:00
	56	40.8	37.5	5.4	0	0	0	0	2	8	20	31	5	2	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	3	33.8	30.8	2.9	0	0	0	0	0	1	2	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	2	38.7	35.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
04:00	2	39.8	32.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
05:00	6	35.8	32.5	3.2	0	0	0	0	0	1	4	1	0	0	0	0
06:00	24	40.1	36.3	3.7	0	0	0	0	0	1	7	13	3	0	0	0
07:00	61	41.5	36.4	4.9	0	0	0	0	0	4	21	26	5	5	0	0
08:00	87	40.3	35.4	4.7	0	0	0	0	3	5	30	37	11	1	0	0
09:00	69	37.9	33.8	4.0	0	0	0	0	1	9	33	23	3	0	0	0
10:00	68	36.8	32.9	3.7	0	0	0	0	1	12	36	18	1	0	0	0
11:00	60	37.2	33.6	3.5	0	0	0	0	0	7	35	16	2	0	0	0
12:00	61	36.8	32.6	4.0	0	0	0	0	0	18	25	17	1	0	0	0
13:00	64	36.7	32.7	3.8	0	0	0	0	1	11	39	10	3	0	0	0
14:00	42	38.7	34.0	4.5	0	0	0	0	0	7	20	10	5	0	0	0
15:00	76	37.8	33.6	4.1	0	0	0	0	2	8	43	18	5	0	0	0
16:00	84	37.0	33.5	3.4	0	0	0	0	0	11	46	26	1	0	0	0
17:00	93	38.5	34.5	3.8	0	0	0	0	1	8	39	43	1	1	0	0
18:00	89	39.1	34.2	4.7	0	0	0	0	2	12	38	30	5	2	0	0
19:00	69	38.3	33.9	4.2	0	0	0	0	2	6	36	20	5	0	0	0
20:00	38	37.2	33.6	3.5	0	0	0	0	0	6	18	14	0	0	0	0
21:00	24	35.3	31.7	3.5	0	0	0	0	0	8	12	4	0	0	0	0
22:00	16	35.5	33.4	2.0	0	0	0	0	0	0	13	3	0	0	0	0
23:00	2	39.8	32.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
Total	128	37.0	33.2	3.6	0	0	0</									

Muingmore ATC 2

Speed 29 11 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	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	2	39.8	32.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
05:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
06:00	3	37.2	34.2	2.9	0	0	0	0	0	0	2	1	0	0	0	0
07:00	9	37.1	33.1	3.9	0	0	0	0	0	2	4	3	0	0	0	0
08:00	21	36.1	33.5	2.6	0	0	0	0	0	1	15	5	0	0	0	0
09:00	16	35.7	33.1	2.5	0	0	0	0	0	1	12	3	0	0	0	0
10:00	23	35.4	31.8	3.5	0	0	0	0	1	4	15	3	0	0	0	0
11:00	19	36.8	33.6	3.2	0	0	0	0	0	1	14	3	1	0	0	0
12:00	28	35.3	32.3	2.9	0	0	0	0	0	5	19	4	0	0	0	0
13:00	23	35.7	31.6	3.9	0	0	0	0	1	6	12	4	0	0	0	0
14:00	29	34.9	32.3	2.5	0	0	0	0	0	4	22	3	0	0	0	0
15:00	45	35.4	32.7	2.6	0	0	0	0	0	4	36	4	1	0	0	0
16:00	48	35.5	32.6	2.8	0	0	0	0	0	7	33	8	0	0	0	0
17:00	36	34.7	33.1	1.6	0	0	0	0	0	0	32	4	0	0	0	0
18:00	33	34.0	31.4	2.4	0	0	0	0	0	8	24	1	0	0	0	0
19:00	35	35.0	32.2	2.7	0	0	0	0	0	6	25	4	0	0	0	0
20:00	28	34.0	32.3	1.7	0	0	0	0	0	2	25	1	0	0	0	0
21:00	15	35.8	32.2	3.5	0	0	0	0	0	4	8	3	0	0	0	0
22:00	5	30.8	28.5	2.2	0	0	0	0	0	4	1	0	0	0	0	0
23:00	7	35.5	32.5	2.9	0	0	0	0	0	1	5	1	0	0	0	0
Total	42	36.1	32.6	3.4	0	0	0	0	1	5	29	6	1	0	0	0
2H(10-12)	74	35.2	32.6	2.5	0	0	0	0	0	8	58	7	1	0	0	0
12H(7-19)	330	35.4	32.5	2.8	0	0	0	0	2	43	238	45	2	0	0	0
24H(0-24)	429	35.3	32.4	2.8	0	0	0	0	2	61	308	56	2	0	0	0
AM Peak	10:00	04:00	06:00	04:00	00:00	00:00	00:00	00:00	10:00	10:00	08:00	08:00	11:00	00:00	00:00	00:00
PM Peak	16:00	21:00	17:00	13:00	12:00	12:00	12:00	12:00	13:00	18:00	15:00	16:00	15:00	12:00	12:00	12:00
48	35.8	33.1	3.5	0	0	0	0	0	1	8	36	8	1	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	1	-	42.5	-	0	0	0	0	0	0	0	0	1	0	0	0
04:00	4	41.2	36.3	4.8	0	0	0	0	0	0	2	1	1	0	0	0
05:00	8	40.2	36.9	3.2	0	0	0	0	0	0	2	5	1	0	0	0
06:00	20	41.0	36.8	4.1	0	0	0	0	0	0	7	10	2	1	0	0
07:00	48	40.1	36.1	3.8	0	0	0	0	0	2	15	26	4	1	0	0
08:00	63	40.1	35.4	4.5	0	0	0	0	1	5	22	27	7	1	0	0
09:00	52	37.4	33.5	3.8	0	0	0	0	0	10	23	18	1	0	0	0
10:00	34	37.1	33.2	3.7	0	0	0	0	0	5	21	6	2	0	0	0
11:00	34	38.7	35.3	3.3	0	0	0	0	0	1	15	16	2	0	0	0
12:00	42	36.9	32.7	4.0	0	0	0	0	1	7	25	7	2	0	0	0
13:00	40	38.4	34.5	3.7	0	0	0	0	1	2	18	18	1	0	0	0
14:00	33	38.2	34.8	3.3	0	0	0	0	0	1	18	12	2	0	0	0
15:00	46	40.2	35.5	4.5	0	0	0	0	0	4	18	17	6	1	0	0
16:00	41	40.3	35.4	4.7	0	0	0	0	1	4	12	18	6	0	0	0
17:00	60	40.4	35.5	4.7	0	0	0	0	0	7	22	19	12	0	0	0
18:00	44	39.7	35.9	3.7	0	0	0	0	0	3	12	25	4	0	0	0
19:00	27	39.6	36.2	3.3	0	0	0	0	0	2	4	20	1	0	0	0
20:00	17	40.0	35.1	4.7	0	0	0	0	1	0	7	7	2	0	0	0
21:00	9	34.8	31.4	3.3	0	0	0	0	0	3	5	1	0	0	0	0
22:00	4	38.7	33.8	4.8	0	0	0	0	0	1	1	2	0	0	0	0
23:00	2	38.7	35.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
Total	68	38.0	34.3	3.6	0	0	0	0	6	36	22	4	0	0	0	0
2H(10-12)	79	39.4	35.2	4.1	0	0	0	0	0	5	36	29	8	1	0	0
12H(7-19)	537	39.2	34.9	4.2	0	0	0	0	4	51	221	209	49	3	0	0
24H(0-24)	629	39.3	35.0	4.2	0	0	0	0	5	57	250	256	57	4	0	0
AM Peak	08:00	04:00	03:00	04:00	00:00	00:00	00:00	00:00	08:00	09:00	09:00	08:00	08:00	06:00	00:00	00:00
PM Peak	17:00	17:00	19:00	22:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	18:00	17:00	15:00	12:00	12:00
60	40.4	36.2	4.8	0	0	0	0	0	1	7	25	25	12	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	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	1	-	42.5	-	0	0	0	0	0	0	0	0	1	0	0	0
04:00	6	40.4	35.0	5.2	0	0	0	0	0	1	2	2	1	0	0	0
05:00	10	39.5	36.0	3.4	0	0	0	0	0	0	4	5	1	0	0	0
06:00	23	40.5	36.4	4.0	0	0	0	0	0	0	9	11	2	1	0	0
07:00	57	39.8	35.7	4.0	0	0	0	0	0	4	19	29	4	1	0	0
08:00	84	39.3	34.9	4.2	0	0	0	0	1	6	37	32	7	1	0	0
09:00	68	37.1	33.4	3.6	0	0	0	0	0	11	35	21	1	0	0	0
10:00	57	36.5	32.7	3.7	0	0	0	0	1	9	36	9	2	0	0	0
11:00	53	38.1	34.7	3.3	0	0	0	0	0	2	29	19	3	0	0	0
12:00	70	36.3	32.6	3.6	0	0	0	0	1	12	44	11	2	0	0	0
13:00	63	37.6	33.5	4.0	0	0	0	0	2	8	30	22	1	0	0	0
14:00	62	36.9	33.6	3.2	0	0	0	0	0	5	40	15	2	0	0	0
15:00	91	38.2	34.1	3.9	0	0	0	0	0	8	54	21	7	1	0	0
16:00	89	38.1	33.9	4.1	0	0	0	0	1	11	45	26	6	0	0	0
17:00	96	38.7	34.6	4.0	0	0	0	0	0	7	54	23	12	0	0	0
18:00	77	38.0	34.0	3.9	0	0	0	0	0	11	36	26	4	0	0	0
19:00	62	37.6	34.0	3.6	0	0	0	0	0	8	29	24	1	0	0	0
20:00	45	36.9	33.4	3.4	0	0	0	0	1	2	32	8	2	0	0	0
21:00	24	35.4	31.9	3.4	0	0	0	0	0	7	13	4	0	0	0	0
22:00	9	35.3	30.8	4.3	0	0	0	0	0	5	2	2	0	0	0	0
23:00	9	36.2	33.1	3.0	0	0	0	0	0	1	6	2	0	0	0	0
Total	110	37.4	33.6	3.6	0	0	0	0	1	11	65	28	5	0	0	0
2H(10-12)	153	37.7	33.9	3.7	0	0	0	0	0	13	94	36	9	1	0	0
12H(7-19)	867	38.0	34.0	3.9	0	0	0	0	6	94	459	254	51	3	0	0

Muingmore ATC 2

Speed 30 11 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	46.0	35.0	10.6	0	0	0	0	0	1	0	0	1	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	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
05:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
06:00	5	36.2	32.5	3.5	0	0	0	0	0	1	3	1	0	0	0	0
07:00	12	34.7	32.5	2.1	0	0	0	0	0	1	10	1	0	0	0	0
08:00	19	34.2	32.5	1.7	0	0	0	0	0	1	17	1	0	0	0	0
09:00	13	34.2	30.2	3.9	0	0	0	0	1	5	6	1	0	0	0	0
10:00	20	36.3	32.8	3.4	0	0	0	0	0	3	14	2	1	0	0	0
11:00	16	34.4	31.6	2.7	0	0	0	0	0	4	11	1	0	0	0	0
12:00	22	34.1	31.4	2.6	0	0	0	0	0	6	15	1	0	0	0	0
13:00	26	35.0	32.3	2.6	0	0	0	0	0	4	19	3	0	0	0	0
14:00	19	35.8	32.0	3.7	0	0	0	0	0	6	9	4	0	0	0	0
15:00	40	35.3	32.9	2.4	0	0	0	0	0	3	31	6	0	0	0	0
16:00	33	38.3	34.5	3.7	0	0	0	0	1	0	19	11	2	0	0	0
17:00	44	35.8	32.4	3.3	0	0	0	0	0	10	25	9	0	0	0	0
18:00	34	36.1	32.5	3.5	0	0	0	0	1	5	21	7	0	0	0	0
19:00	30	36.1	33.2	2.9	0	0	0	0	0	2	23	4	1	0	0	0
20:00	26	35.8	33.1	2.6	0	0	0	0	0	2	19	5	0	0	0	0
21:00	14	34.2	32.9	1.3	0	0	0	0	0	0	13	1	0	0	0	0
22:00	8	35.3	32.5	2.7	0	0	0	0	0	1	6	1	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total	36	35.5	32.2	3.1	0	0	0	0	7	25	3	1	0	0	0	0
2H(10-12)	59	35.5	32.6	2.9	0	0	0	0	0	9	40	10	0	0	0	0
2H(14-16)	298	35.8	32.5	3.2	0	0	0	0	3	48	197	47	3	0	0	0
24H(0-24)	386	35.8	32.6	3.1	0	0	0	0	3	56	263	59	5	0	0	0
AM Peak	10:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	09:00	09:00	08:00	10:00	00:00	00:00	00:00	00:00
PM Peak	17:00	16:00	16:00	16:00	12:00	12:00	12:00	12:00	16:00	17:00	15:00	16:00	12:00	12:00	12:00	12:00
	44	38.3	34.5	3.7	0	0	0	0	1	10	31	11	2	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	6	33.8	31.7	2.0	0	0	0	0	0	1	5	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	4	36.3	33.8	2.5	0	0	0	0	0	0	3	1	0	0	0	0
07:00	11	37.2	33.9	3.2	0	0	0	0	0	1	6	4	0	0	0	0
08:00	20	39.4	34.5	4.7	0	0	0	0	0	4	6	8	2	0	0	0
09:00	28	40.8	35.9	4.7	0	0	0	0	0	1	14	7	5	1	0	0
10:00	41	39.6	35.3	4.2	0	0	0	0	0	3	17	17	3	1	0	0
11:00	30	38.4	34.7	3.6	0	0	0	0	1	1	12	16	0	0	0	0
12:00	50	39.1	34.3	4.6	0	0	0	0	1	5	25	14	4	1	0	0
13:00	45	39.6	35.1	4.3	0	0	0	0	1	3	18	18	5	0	0	0
14:00	30	38.6	34.8	3.7	0	0	0	0	0	2	14	12	2	0	0	0
15:00	41	39.2	34.7	4.3	0	0	0	0	0	5	18	13	5	0	0	0
16:00	33	38.6	33.9	4.6	0	0	0	0	0	7	12	13	0	1	0	0
17:00	24	42.4	36.5	5.7	0	0	0	0	1	0	8	12	1	1	1	0
18:00	21	38.8	34.9	3.7	0	0	0	0	0	1	11	7	2	0	0	0
19:00	24	38.9	34.0	4.8	0	0	0	0	1	2	13	5	3	0	0	0
20:00	15	36.4	32.5	3.8	0	0	0	0	0	4	7	4	0	0	0	0
21:00	7	35.0	31.1	3.8	0	0	0	0	0	3	3	1	0	0	0	0
22:00	3	32.5	32.5	0.0	0	0	0	0	0	0	3	0	0	0	0	0
23:00	2	37.5	37.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
Total	71	39.1	35.0	4.0	0	0	0	0	1	4	29	33	3	1	0	0
2H(10-12)	71	38.9	34.8	4.0	0	0	0	0	0	7	32	25	7	0	0	0
2H(14-16)	374	39.4	34.9	4.4	0	0	0	0	4	33	161	141	29	5	1	0
24H(0-24)	438	39.1	34.6	4.3	0	0	0	0	5	43	196	156	32	5	1	0
AM Peak	10:00	09:00	02:00	09:00	00:00	00:00	00:00	00:00	11:00	08:00	10:00	10:00	09:00	09:00	00:00	00:00
PM Peak	12:00	17:00	23:00	17:00	12:00	12:00	12:00	12:00	12:00	16:00	12:00	13:00	13:00	12:00	17:00	12:00
	50	42.4	37.5	5.7	0	0	0	0	1	7	25	18	5	1	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	8	37.3	32.5	4.6	0	0	0	0	0	2	5	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
03:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	2	38.7	35.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
05:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
06:00	9	36.2	33.1	3.0	0	0	0	0	0	1	6	2	0	0	0	0
07:00	23	36.0	33.2	2.7	0	0	0	0	0	2	16	5	0	0	0	0
08:00	39	37.3	33.5	3.7	0	0	0	0	0	5	23	9	2	0	0	0
09:00	41	39.5	34.1	5.2	0	0	0	0	1	6	20	8	5	1	0	0
10:00	61	38.7	34.5	4.1	0	0	0	0	0	6	31	19	4	1	0	0
11:00	46	37.4	33.6	3.6	0	0	0	0	1	5	23	17	0	0	0	0
12:00	72	37.9	33.4	4.3	0	0	0	0	1	11	40	15	4	1	0	0
13:00	71	38.2	34.0	4.0	0	0	0	0	1	7	37	21	5	0	0	0
14:00	49	37.8	33.7	3.9	0	0	0	0	0	8	23	16	2	0	0	0
15:00	81	37.5	33.8	3.6	0	0	0	0	0	8	49	19	5	0	0	0
16:00	66	38.5	34.2	4.1	0	0	0	0	1	7	31	24	2	1	0	0
17:00	68	38.7	33.8	4.7	0	0	0	0	1	10	33	21	1	1	1	0
18:00	55	37.3	33.4	3.7	0	0	0	0	1	6	32	14	2	0	0	0
19:00	54	37.5	33.5	3.8	0	0	0	0	1	4	36	9	4	0	0	0
20:00	41	36.0	32.9	3.0	0	0	0	0	0	6	26	9	0	0	0	0
21:00	21	34.8	32.3	2.5	0	0	0	0	0	3	16	2	0	0	0	0
22:00	11	34.8	32.5	2.2	0	0	0	0	0	1	9	1	0	0	0	0
23:00	2	37.5	37.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
Total	107	38.2	34.1	3.9	0	0	0	0	1	11	54	36	4	1	0	0
2H(10-12)	130	37.6	33.8	3.7	0	0	0	0	0	16	72	35	7	0	0	0
2H(14-16)	672	38.0	33.8	4.0	0	0	0	0	7	81	358	188	32	5	1	0
24H(0-24)	824	37.7	33.7	3.9	0	0	0	0	8	99	459	215	37	5	1	0
AM Peak	10:00	09:00	02:00	09:00	00:00	00:00	00:00	00:00	09:00	09:00	10:00	10:00	09:00	09:00	00:00	00:00
PM Peak	15:00	17:00	23:00	17:00	12:00	12:00	12:00</									

Muingmore ATC 2

Speed 01 12 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	1	-	17.5	-	0	0	0	1	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	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
06:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
07:00	8	35.3	32.5	2.7	0	0	0	0	0	1	6	1	0	0	0	0
08:00	13	36.1	33.3	2.8	0	0	0	0	0	1	9	3	0	0	0	0
09:00	14	35.4	32.5	2.8	0	0	0	0	0	2	10	2	0	0	0	0
10:00	16	35.8	32.8	2.9	0	0	0	0	0	2	11	3	0	0	0	0
11:00	21	35.3	32.3	2.9	0	0	0	0	0	4	14	3	0	0	0	0
12:00	21	35.2	31.8	3.3	0	0	0	0	0	6	12	3	0	0	0	0
13:00	23	34.7	32.1	2.6	0	0	0	0	0	4	17	2	0	0	0	0
14:00	22	35.3	32.3	2.9	0	0	0	0	0	4	15	3	0	0	0	0
15:00	30	34.9	32.3	2.5	0	0	0	0	0	4	23	3	0	0	0	0
16:00	31	36.1	33.0	3.0	0	0	0	0	0	4	20	7	0	0	0	0
17:00	32	35.7	32.7	3.0	0	0	0	0	0	5	21	6	0	0	0	0
18:00	29	35.9	32.8	3.0	0	0	0	0	0	4	19	6	0	0	0	0
19:00	24	35.6	32.7	2.8	0	0	0	0	0	3	17	4	0	0	0	0
20:00	19	35.5	32.8	2.6	0	0	0	0	0	2	14	3	0	0	0	0
21:00	14	36.0	32.5	3.4	0	0	0	0	0	3	8	3	0	0	0	0
22:00	8	35.2	31.9	3.2	0	0	0	0	0	2	5	1	0	0	0	0
23:00	3	32.5	32.5	0.0	0	0	0	0	0	0	3	0	0	0	0	0
Total	37	35.5	32.5	2.9	0	0	0	0	6	25	6	0	0	0	0	0
2H(10-12)	52	35.0	32.3	2.6	0	0	0	0	0	8	38	6	0	0	0	0
2H(14-16)	260	35.5	32.5	2.8	0	0	0	0	0	41	177	42	0	0	0	0
24H(0-24)	336	35.5	32.5	2.9	0	0	0	1	0	52	230	53	0	0	0	0
AM Peak	11:00	08:00	08:00	11:00	00:00	00:00	00:00	02:00	00:00	11:00	11:00	08:00	00:00	00:00	00:00	00:00
PM Peak	17:00	16:00	16:00	21:00	12:00	12:00	12:00	12:00	12:00	15:00	16:00	12:00	12:00	12:00	12:00	12:00
AM Peak	21	36.1	33.3	2.9	0	0	0	1	0	4	14	3	0	0	0	0
PM Peak	32	36.1	33.0	3.4	0	0	0	0	0	6	23	7	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	3	32.2	29.2	2.9	0	0	0	0	0	2	1	0	0	0	0	0
01:00	3	32.5	32.5	0.0	0	0	0	0	0	0	3	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
04:00	3	37.7	32.5	5.0	0	0	0	0	0	1	1	1	0	0	0	0
05:00	4	43.5	37.5	5.8	0	0	0	0	0	0	2	0	2	0	0	0
06:00	11	42.7	37.5	5.0	0	0	0	0	0	0	4	4	2	1	0	0
07:00	22	41.6	36.6	4.8	0	0	0	0	0	1	8	8	4	1	0	0
08:00	21	40.8	36.5	4.1	0	0	0	0	0	0	8	10	2	1	0	0
09:00	48	41.1	36.1	4.8	0	0	0	0	0	2	19	21	3	2	1	0
10:00	49	39.3	35.5	3.7	0	0	0	0	0	4	15	27	3	0	0	0
11:00	37	40.2	35.6	4.5	0	0	0	0	0	5	9	18	5	0	0	0
12:00	39	38.3	34.3	3.9	0	0	0	0	0	4	20	12	3	0	0	0
13:00	33	38.4	33.7	4.5	0	0	0	0	2	4	11	16	0	0	0	0
14:00	38	37.9	33.4	4.3	0	0	0	0	0	8	18	9	3	0	0	0
15:00	33	38.8	35.7	3.0	0	0	0	0	0	0	14	17	2	0	0	0
16:00	28	39.9	35.4	4.4	0	0	0	0	0	2	13	8	5	0	0	0
17:00	24	38.1	34.4	3.6	0	0	0	0	0	3	9	12	0	0	0	0
18:00	29	39.9	35.4	4.3	0	0	0	0	1	1	10	14	3	0	0	0
19:00	23	40.4	35.5	4.7	0	0	0	0	0	2	10	6	5	0	0	0
20:00	13	39.7	35.2	4.4	0	0	0	0	0	1	6	4	2	0	0	0
21:00	10	41.6	35.5	5.9	0	0	0	0	0	1	5	2	1	1	0	0
22:00	4	36.3	33.8	2.5	0	0	0	0	0	0	3	1	0	0	0	0
23:00	2	37.5	37.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
Total	86	39.7	35.5	4.0	0	0	0	0	9	24	45	8	0	0	0	0
2H(10-12)	71	38.5	34.5	3.9	0	0	0	0	0	8	32	26	5	0	0	0
2H(14-16)	401	39.6	35.2	4.2	0	0	0	0	3	34	154	172	33	4	1	0
24H(0-24)	478	39.7	35.2	4.3	0	0	0	0	3	41	189	193	45	6	1	0
AM Peak	10:00	05:00	03:00	05:00	00:00	00:00	00:00	00:00	00:00	11:00	09:00	10:00	11:00	09:00	09:00	00:00
PM Peak	12:00	21:00	23:00	21:00	12:00	12:00	12:00	13:00	14:00	12:00	15:00	16:00	21:00	12:00	12:00	12:00
AM Peak	49	43.5	37.5	5.8	0	0	0	0	0	5	19	27	5	2	1	0
PM Peak	39	41.6	37.5	5.9	0	0	0	0	2	8	20	17	5	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	5	33.3	30.5	2.7	0	0	0	0	0	2	3	0	0	0	0	0
01:00	4	32.5	32.5	0.0	0	0	0	0	0	0	4	0	0	0	0	0
02:00	1	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
03:00	1	-	37.5	-	0	0	0	0	0	0	0	1	0	0	0	0
04:00	4	36.2	31.3	4.8	0	0	0	0	0	2	1	1	0	0	0	0
05:00	5	42.2	36.5	5.5	0	0	0	0	0	0	3	0	2	0	0	0
06:00	13	41.8	36.7	4.9	0	0	0	0	0	0	6	4	2	1	0	0
07:00	30	40.3	35.5	4.7	0	0	0	0	0	2	14	9	4	1	0	0
08:00	34	39.4	35.3	3.9	0	0	0	0	0	1	17	13	2	1	0	0
09:00	62	40.2	35.3	4.7	0	0	0	0	0	4	29	23	3	2	1	0
10:00	65	38.6	34.8	3.7	0	0	0	0	0	6	26	30	3	0	0	0
11:00	58	38.8	34.4	4.3	0	0	0	0	0	9	23	21	5	0	0	0
12:00	60	37.4	33.4	3.9	0	0	0	0	0	10	32	15	3	0	0	0
13:00	56	37.1	33.0	3.9	0	0	0	0	2	8	28	18	0	0	0	0
14:00	60	37.0	33.0	3.9	0	0	0	0	0	12	33	12	3	0	0	0
15:00	63	37.4	34.1	3.2	0	0	0	0	0	4	37	20	2	0	0	0
16:00	59	38.1	34.1	3.9	0	0	0	0	0	6	33	15	5	0	0	0
17:00	56	36.8	33.4	3.3	0	0	0	0	0	8	30	18	0	0	0	0
18:00	58	38.2	34.1	3.9	0	0	0	0	1	5	29	20	3	0	0	0
19:00	47	38.3	34.1	4.1	0	0	0	0	0	5	27	10	5	0	0	0
20:00	32	37.5	33.8	3.6	0	0	0	0	0	3	20	7	2	0	0	0
21:00	24	38.6	33.8	4.7	0	0	0	0	0	4	13	5	1	1	0	0
22:00	12	35.6	32.5	3.0	0	0	0	0	0	2	8	2	0	0	0	0
23:00	5	37.3	34.5	2.7	0	0	0	0	0	0	3	2	0	0	0	0
Total	123	38.7	34.6													

Muingmore ATC 2

Speed 02 12 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	38.7	35.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
01:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
02:00	3	32.2	29.2	2.9	0	0	0	0	0	2	1	0	0	0	0	0
03:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
07:00	10	33.7	31.5	2.1	0	0	0	0	0	2	8	0	0	0	0	0
08:00	6	37.1	32.5	4.5	0	0	0	0	0	2	2	2	0	0	0	0
09:00	12	36.7	34.2	2.5	0	0	0	0	0	0	8	4	0	0	0	0
10:00	24	34.7	31.9	2.7	0	0	0	0	0	5	17	2	0	0	0	0
11:00	37	35.2	32.4	2.8	0	0	0	0	0	6	26	5	0	0	0	0
12:00	26	37.9	33.7	4.1	0	0	0	0	0	5	11	9	1	0	0	0
13:00	26	35.7	33.3	2.3	0	0	0	0	0	1	20	5	0	0	0	0
14:00	41	35.0	32.0	2.9	0	0	0	0	1	6	30	4	0	0	0	0
15:00	26	35.1	31.5	3.5	0	0	0	0	0	9	13	4	0	0	0	0
16:00	23	35.1	31.8	3.1	0	0	0	0	0	6	14	3	0	0	0	0
17:00	19	36.4	32.8	3.5	0	0	0	0	0	4	10	5	0	0	0	0
18:00	24	35.6	32.5	2.9	0	0	0	0	0	4	16	4	0	0	0	0
19:00	17	36.7	32.8	3.7	0	0	0	0	0	3	11	2	1	0	0	0
20:00	10	34.9	32.0	2.8	0	0	0	0	0	2	7	1	0	0	0	0
21:00	12	36.5	31.7	4.7	0	0	0	0	1	3	5	3	0	0	0	0
22:00	9	36.8	34.2	2.5	0	0	0	0	0	0	6	3	0	0	0	0
23:00	10	35.7	33.5	2.1	0	0	0	0	0	0	8	2	0	0	0	0
Total																
2H(10-12)	61	35.0	32.2	2.7	0	0	0	0	0	11	43	7	0	0	0	0
2H(14-16)	67	35.1	31.8	3.1	0	0	0	0	1	15	43	8	0	0	0	0
12H(7-19)	274	35.7	32.4	3.1	0	0	0	0	1	50	175	47	1	0	0	0
24H(0-24)	343	35.7	32.4	3.2	0	0	0	0	2	63	217	59	2	0	0	0
AM Peak	11:00	00:00	00:00	08:00	00:00	00:00	00:00	00:00	00:00	11:00	11:00	11:00	00:00	00:00	00:00	00:00
	37	38.7	35.0	4.5	0	0	0	0	0	6	26	5	0	0	0	0
PM Peak	14:00	12:00	22:00	21:00	12:00	12:00	12:00	12:00	14:00	15:00	14:00	12:00	12:00	12:00	12:00	12:00
	41	37.9	34.2	4.7	0	0	0	0	1	9	30	9	1	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	0	0	1	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	4	36.3	33.8	2.5	0	0	0	0	0	0	3	1	0	0	0	0
05:00	11	41.9	35.2	6.5	0	0	0	0	1	1	3	3	0	0	0	0
06:00	18	41.7	37.2	4.4	0	0	0	0	0	0	6	8	3	1	0	0
07:00	30	38.3	34.2	4.0	0	0	0	0	0	4	14	10	2	0	0	0
08:00	49	39.4	35.9	3.4	0	0	0	0	0	1	19	24	5	0	0	0
09:00	61	39.5	34.5	4.9	0	0	0	0	1	10	21	23	5	1	0	0
10:00	44	37.0	33.2	3.7	0	0	0	0	0	7	26	9	2	0	0	0
11:00	41	39.9	35.4	4.3	0	0	0	0	0	3	17	16	4	1	0	0
12:00	42	38.9	34.9	3.9	0	0	0	0	0	4	17	18	3	0	0	0
13:00	51	37.3	33.1	4.1	0	0	0	0	2	7	26	15	1	0	0	0
14:00	46	37.5	32.8	4.5	0	0	0	0	1	11	21	10	3	0	0	0
15:00	45	37.8	34.6	3.1	0	0	0	0	0	2	23	19	1	0	0	0
16:00	46	38.9	34.3	4.4	0	0	0	0	1	6	17	19	3	0	0	0
17:00	51	38.8	34.1	4.5	0	0	0	0	1	8	19	21	1	1	0	0
18:00	45	37.3	33.4	3.7	0	0	0	0	1	5	25	13	1	0	0	0
19:00	21	36.6	33.0	3.5	0	0	0	0	0	3	14	3	1	0	0	0
20:00	14	40.6	34.3	6.1	0	0	0	0	0	4	4	4	1	1	0	0
21:00	7	38.7	34.6	3.9	0	0	0	0	0	1	2	4	0	0	0	0
22:00	11	38.8	35.2	3.4	0	0	0	0	0	0	6	4	1	0	0	0
23:00	6	37.8	35.0	2.7	0	0	0	0	0	0	3	3	0	0	0	0
Total																
2H(10-12)	85	38.5	34.3	4.1	0	0	0	0	0	10	43	25	6	1	0	0
2H(14-16)	91	37.8	33.7	4.0	0	0	0	0	1	13	44	29	4	0	0	0
12H(7-19)	551	38.5	34.2	4.2	0	0	0	0	7	68	245	197	31	3	0	0
24H(0-24)	644	38.7	34.3	4.2	0	0	0	0	8	77	287	227	40	5	0	0
AM Peak	09:00	05:00	06:00	05:00	00:00	00:00	00:00	00:00	05:00	09:00	10:00	08:00	08:00	06:00	00:00	00:00
	61	41.9	37.2	6.5	0	0	0	0	1	10	26	24	5	1	0	0
PM Peak	13:00	20:00	22:00	20:00	12:00	12:00	12:00	12:00	13:00	14:00	13:00	17:00	12:00	17:00	12:00	12:00
	51	40.6	35.2	6.1	0	0	0	0	2	11	26	21	3	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	38.7	35.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
01:00	3	32.5	32.5	0.0	0	0	0	0	0	0	3	0	0	0	0	0
02:00	3	32.2	29.2	2.9	0	0	0	0	0	2	1	0	0	0	0	0
03:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	6	35.6	31.7	3.8	0	0	0	0	0	2	3	1	0	0	0	0
05:00	11	41.9	35.2	6.5	0	0	0	0	1	1	3	3	0	0	0	0
06:00	19	41.5	37.0	4.4	0	0	0	0	0	7	8	3	1	0	0	0
07:00	40	37.4	33.5	3.8	0	0	0	0	0	6	22	10	2	0	0	0
08:00	55	39.3	35.5	3.7	0	0	0	0	0	3	21	26	5	0	0	0
09:00	73	39.1	34.4	4.5	0	0	0	0	1	10	29	27	5	1	0	0
10:00	68	36.2	32.7	3.4	0	0	0	0	0	12	43	11	2	0	0	0
11:00	78	38.1	34.0	4.0	0	0	0	0	0	9	43	21	4	1	0	0
12:00	68	38.5	34.4	4.0	0	0	0	0	0	9	28	27	4	0	0	0
13:00	77	36.8	33.1	3.6	0	0	0	0	2	8	46	20	1	0	0	0
14:00	87	36.4	32.4	3.8	0	0	0	0	2	17	51	14	3	0	0	0
15:00	71	37.2	33.5	3.5	0	0	0	0	0	11	36	23	1	0	0	0
16:00	69	37.8	33.5	4.2	0	0	0	0	1	12	31	22	3	0	0	0
17:00	70	38.2	33.7	4.3	0	0	0	0	1	12	29	26	1	1	0	0
18:00	69	36.7	33.1	3.5	0	0	0	0	1	9	41	17	1	0	0	0
19:00	38	36.6	32.9	3.6	0	0	0	0	0	6	25	5	2	0	0	0
20:00	24	38.6	33.3	5.0	0	0	0	0	0	6	11	5	1	1	0	0
21:00	19	37.5	32.8	4.6	0	0	0	0	1	4	7	0	0	0	0	0
22:00	20	37.9	34.8	3.0	0	0	0	0	0	12	7	1	0	0	0	0
23:00	16	36.5	34.1	2.4	0	0	0	0	0	0	11	5	0	0	0	0
Total																
2H(10-12)	146	37.3	33.4	3.7	0	0	0	0	0	21	86	32	6	1	0	0
2H(14-16)	158	36.8	32.9	3.7	0	0	0	0								

Muingmore ATC 2

Speed 03 12 2023

Direction: Eastbound																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	2	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
01:00	3	33.8	30.8	2.9	0	0	0	0	0	1	2	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	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
07:00	4	33.0	30.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
08:00	6	35.8	32.5	3.2	0	0	0	0	0	1	4	1	0	0	0	0
09:00	13	36.2	32.9	3.2	0	0	0	0	0	2	8	3	0	0	0	0
10:00	16	36.3	33.4	2.7	0	0	0	0	0	1	11	4	0	0	0	0
11:00	26	35.0	31.3	3.6	0	0	0	0	1	7	15	3	0	0	0	0
12:00	22	35.1	31.8	3.2	0	0	0	0	0	6	13	3	0	0	0	0
13:00	19	33.7	31.7	1.9	0	0	0	0	0	3	16	0	0	0	0	0
14:00	23	36.0	32.7	3.2	0	0	0	0	0	4	14	5	0	0	0	0
15:00	28	34.1	32.1	1.9	0	0	0	0	0	3	24	1	0	0	0	0
16:00	28	35.3	32.3	2.9	0	0	0	0	0	5	19	4	0	0	0	0
17:00	26	34.0	31.3	2.6	0	0	0	0	0	7	18	1	0	0	0	0
18:00	22	37.5	33.9	3.5	0	0	0	0	0	3	10	9	0	0	0	0
19:00	20	37.1	33.3	3.7	0	0	0	0	0	4	9	7	0	0	0	0
20:00	21	36.2	32.7	3.3	0	0	0	0	1	1	15	4	0	0	0	0
21:00	11	37.3	33.4	3.8	0	0	0	0	0	2	5	4	0	0	0	0
22:00	5	35.1	30.5	4.5	0	0	0	0	0	3	1	1	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total	42	35.7	32.1	3.4	0	0	0	0	1	8	26	7	0	0	0	0
2H(10-12)	51	35.0	32.4	2.5	0	0	0	0	0	7	38	6	0	0	0	0
2H(14-16)	233	35.3	32.2	3.0	0	0	0	0	1	44	154	34	0	0	0	0
12H(7-19)	297	35.5	32.3	3.1	0	0	0	0	2	57	188	50	0	0	0	0
24H(0-24)	11:00	10:00	10:00	11:00	00:00	00:00	00:00	00:00	11:00	11:00	11:00	10:00	00:00	00:00	00:00	00:00
AM Peak	26	36.3	33.4	3.6	0	0	0	0	1	7	15	4	0	0	0	0
PM Peak	15:00	18:00	18:00	22:00	12:00	12:00	12:00	12:00	20:00	17:00	15:00	18:00	12:00	12:00	12:00	12:00
28	37.5	33.9	4.5	0	0	0	0	1	7	24	9	0	0	0	0	0

Paul Castle Associates

Direction: Westbound																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	3	37.2	34.2	2.9	0	0	0	0	0	0	2	1	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
04:00	3	41.8	35.8	5.8	0	0	0	0	0	0	2	0	1	0	0	0
05:00	2	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
06:00	7	43.8	38.2	5.3	0	0	0	0	0	0	2	3	1	1	0	0
07:00	12	39.5	36.3	3.1	0	0	0	0	0	0	4	7	1	0	0	0
08:00	28	41.8	36.8	4.9	0	0	0	0	0	3	5	14	5	1	0	0
09:00	45	40.6	36.9	3.6	0	0	0	0	0	1	11	25	8	0	0	0
10:00	55	40.0	35.6	4.2	0	0	0	0	0	4	21	23	6	1	0	0
11:00	42	40.0	34.8	5.1	0	0	0	0	0	7	16	14	3	2	0	0
12:00	45	38.8	35.4	3.3	0	0	0	0	0	0	23	18	4	0	0	0
13:00	44	38.8	35.0	3.7	0	0	0	0	0	2	22	16	4	0	0	0
14:00	45	38.8	35.2	3.5	0	0	0	0	0	3	17	23	2	0	0	0
15:00	37	39.0	35.1	3.8	0	0	0	0	0	3	15	16	3	0	0	0
16:00	38	38.8	34.3	4.3	0	0	0	0	0	6	15	14	3	0	0	0
17:00	37	39.2	35.5	3.6	0	0	0	0	0	2	14	18	3	0	0	0
18:00	22	41.2	36.1	4.9	0	0	0	0	0	3	5	9	5	0	0	0
19:00	21	37.3	33.0	4.2	0	0	0	0	0	5	10	5	1	0	0	0
20:00	15	39.8	36.2	3.5	0	0	0	0	0	1	3	10	1	0	0	0
21:00	10	40.6	35.0	5.4	0	0	0	0	0	2	3	3	2	0	0	0
22:00	13	37.9	33.3	4.5	0	0	0	0	1	0	9	2	1	0	0	0
23:00	7	38.6	36.1	2.4	0	0	0	0	0	0	2	5	0	0	0	0
Total	97	40.0	35.2	4.6	0	0	0	0	0	11	37	37	9	3	0	0
2H(10-12)	82	38.9	35.1	3.6	0	0	0	0	0	6	32	39	5	0	0	0
2H(14-16)	450	39.7	35.5	4.0	0	0	0	0	0	34	168	197	47	4	0	0
12H(7-19)	533	39.6	35.4	4.1	0	0	0	0	1	43	204	226	54	5	0	0
24H(0-24)	10:00	06:00	06:00	04:00	00:00	00:00	00:00	00:00	00:00	11:00	10:00	09:00	09:00	11:00	00:00	00:00
AM Peak	55	43.8	38.2	5.8	0	0	0	0	0	7	21	25	8	2	0	0
PM Peak	12:00	18:00	20:00	21:00	12:00	12:00	12:00	12:00	22:00	16:00	12:00	14:00	18:00	12:00	12:00	12:00
45	41.2	36.2	5.4	0	0	0	0	1	6	23	23	5	0	0	0	0

Paul Castle Associates

Direction: Total Flow																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
00:00	5	36.2	32.5	3.5	0	0	0	0	0	1	3	1	0	0	0	0
01:00	4	33.8	31.3	2.5	0	0	0	0	0	1	3	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
04:00	3	41.8	35.8	5.8	0	0	0	0	0	0	2	0	1	0	0	0
05:00	2	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
06:00	9	42.6	36.4	6.0	0	0	0	0	0	1	3	3	1	1	0	0
07:00	16	38.9	34.7	4.1	0	0	0	0	0	2	6	7	1	0	0	0
08:00	34	41.1	36.0	4.9	0	0	0	0	0	4	9	15	5	1	0	0
09:00	58	40.0	36.0	3.9	0	0	0	0	0	3	19	28	8	0	0	0
10:00	71	39.3	35.1	4.0	0	0	0	0	0	5	32	27	6	1	0	0
11:00	68	38.5	33.5	4.8	0	0	0	0	1	14	31	17	3	2	0	0
12:00	67	38.0	34.2	3.6	0	0	0	0	0	6	36	21	4	0	0	0
13:00	63	37.7	34.0	3.6	0	0	0	0	0	5	38	16	4	0	0	0
14:00	68	38.0	34.3	3.6	0	0	0	0	0	7	31	28	2	0	0	0
15:00	65	37.4	33.8	3.5	0	0	0	0	0	6	39	17	3	0	0	0
16:00	66	37.5	33.5	3.8	0	0	0	0	0	11	34	18	3	0	0	0
17:00	63	37.7	33.8	3.8	0	0	0	0	0	9	32	19	3	0	0	0
18:00	44	39.5	35.0	4.4	0	0	0	0	0	6	15	18	5	0	0	0
19:00	41	37.2	33.1	3.9	0	0	0	0	0	9	19	12	1	0	0	0
20:00	36	38.1	34.2	3.8	0	0	0	0	1	2	18	14	1	0	0	0
21:00	21	38.9	34.2	4.6	0	0	0	0	0	4	8	7	2	0	0	0
22:00	18	37.2	32.5	4.5	0	0	0	0	1	3	10	3	1	0	0	0
23:00	7	38.6	36.1	2.4	0	0	0	0	0	0	2	5	0	0	0	0
Total	139	39.0	34.3	4.5	0	0	0	0	1	19	63	<				

ATC 3

Muingmore ATC 3

Flow Summary



Direction: Eastbound

Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	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	0	0	0	1	0	0	0
06:00	2	2	2	2	0	0	1	2	1
07:00	0	1	0	1	2	1	2	1	1
08:00	0	0	0	3	0	0	0	1	0
09:00	2	1	1	1	0	1	2	1	1
10:00	6	1	4	0	2	1	2	3	2
11:00	5	4	0	1	4	0	3	3	2
12:00	6	3	2	5	2	1	3	4	3
13:00	4	3	8	3	5	6	4	5	5
14:00	7	1	3	5	2	1	2	4	3
15:00	7	1	4	4	3	3	0	4	3
16:00	5	3	3	0	2	3	8	3	3
17:00	1	1	1	2	2	2	7	1	2
18:00	4	0	1	1	0	2	3	1	2
19:00	0	0	0	0	0	1	0	0	0
20:00	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	47	19	27	26	24	21	36	29	29
16H(6-22)	49	21	29	28	24	22	37	30	30
18H(6-24)	49	21	29	28	24	22	37	30	30
24H(0-24)	50	21	29	28	24	23	37	30	30
AM Peak	10:00	11:00	10:00	08:00	11:00	05:00	11:00	11:00	11:00
	6	4	4	3	4	1	3	3	2
PM Peak	14:00	12:00	13:00	12:00	13:00	13:00	16:00	13:00	13:00
	7	3	8	5	5	6	8	5	5

Paul Castle Associates

Direction: Westbound

Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	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	0	0	0	1	0	0	0
06:00	2	2	2	2	0	0	1	2	1
07:00	0	1	0	1	2	1	2	1	1
08:00	0	0	0	3	0	0	0	1	0
09:00	2	1	1	1	0	1	2	1	1
10:00	6	1	4	0	2	1	2	3	2
11:00	5	4	0	1	4	0	3	3	2
12:00	6	3	2	5	2	1	3	4	3
13:00	4	3	8	3	5	6	4	5	5
14:00	7	1	3	5	2	1	2	4	3
15:00	7	1	4	4	4	3	0	4	3
16:00	5	3	3	0	2	3	8	3	3
17:00	1	1	1	2	2	2	7	1	2
18:00	4	0	1	1	0	2	3	1	2
19:00	0	0	0	0	0	1	0	0	0
20:00	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	47	19	27	26	24	21	36	29	29
16H(6-22)	49	21	29	28	24	22	37	30	30
18H(6-24)	49	21	29	28	24	22	37	30	30
24H(0-24)	50	21	29	28	24	23	37	30	30
AM Peak	10:00	11:00	10:00	08:00	11:00	05:00	11:00	11:00	11:00
	6	4	4	3	4	1	3	3	2
PM Peak	14:00	12:00	13:00	12:00	13:00	13:00	16:00	13:00	13:00
	7	3	8	5	5	6	8	5	5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Mon 27/11/2023	Tue 28/11/2023	Wed 29/11/2023	Thu 30/11/2023	Fri 01/12/2023	Sat 02/12/2023	Sun 03/12/2023	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	2	0	0	0	0	2	0	0	1
06:00	4	4	4	4	0	0	2	3	3
07:00	0	2	0	2	4	2	4	2	2
08:00	0	0	0	6	0	0	0	1	1
09:00	4	2	2	2	0	2	4	2	2
10:00	12	2	8	0	4	2	4	5	5
11:00	10	8	0	2	8	0	6	6	5
12:00	12	6	4	10	4	2	6	7	6
13:00	8	6	16	6	10	12	8	9	9
14:00	14	2	6	10	4	2	4	7	6
15:00	14	2	8	8	6	6	0	8	6
16:00	10	6	6	0	4	6	16	5	7
17:00	2	2	2	4	4	4	14	3	5
18:00	8	0	2	2	0	4	6	2	3
19:00	0	0	0	0	0	2	0	0	0
20:00	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	94	38	54	52	48	42	72	57	57
16H(6-22)	98	42	58	56	48	44	74	60	60
18H(6-24)	98	42	58	56	48	44	74	60	60
24H(0-24)	100	42	58	56	48	46	74	61	61
AM Peak	10:00	11:00	10:00	08:00	11:00	05:00	11:00	11:00	11:00
	12	8	8	6	8	2	6	6	5
PM Peak	14:00	12:00	13:00	12:00	13:00	13:00	16:00	13:00	13:00
	14	6	16	10	10	12	16	9	9

Paul Castle Associates

Muingmore ATC 3

Class Summary

Direction: Eastbound

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	50	38	9	3	0
Tue 28 Nov 2023	21	18	2	0	1
Wed 29 Nov 2023	29	26	3	0	0
Thu 30 Nov 2023	28	24	4	0	0
Fri 1 Dec 2023	24	21	3	0	0
Sat 2 Dec 2023	23	16	7	0	0
Sun 3 Dec 2023	37	28	7	2	0
5 Day Ave.	30	25	4	1	0
7 Day Ave.	30	24	5	1	0

Direction: Westbound

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	50	38	9	3	0
Tue 28 Nov 2023	21	18	2	1	0
Wed 29 Nov 2023	29	26	3	0	0
Thu 30 Nov 2023	28	24	4	0	0
Fri 1 Dec 2023	24	21	3	0	0
Sat 2 Dec 2023	23	16	7	0	0
Sun 3 Dec 2023	37	28	7	1	1
5 Day Ave.	30	25	4	1	0
7 Day Ave.	30	24	5	1	0

Direction: Total Flow

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100	76	18	6	0
Tue 28 Nov 2023	42	36	4	1	1
Wed 29 Nov 2023	58	52	6	0	0
Thu 30 Nov 2023	56	48	8	0	0
Fri 1 Dec 2023	48	42	6	0	0
Sat 2 Dec 2023	46	32	14	0	0
Sun 3 Dec 2023	74	56	14	3	1
5 Day Ave.	61	51	8	1	0
7 Day Ave.	61	49	10	1	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	76.0%	18.0%	6.0%	0.0%
Tue 28 Nov 2023	100.0%	85.7%	9.5%	0.0%	4.8%
Wed 29 Nov 2023	100.0%	89.7%	10.3%	0.0%	0.0%
Thu 30 Nov 2023	100.0%	85.7%	14.3%	0.0%	0.0%
Fri 1 Dec 2023	100.0%	87.5%	12.5%	0.0%	0.0%
Sat 2 Dec 2023	100.0%	69.6%	30.4%	0.0%	0.0%
Sun 3 Dec 2023	100.0%	75.7%	18.9%	5.4%	0.0%
5 Day Ave.	100.0%	83.6%	13.8%	2.0%	0.7%
7 Day Ave.	100.0%	80.7%	16.5%	2.4%	0.5%

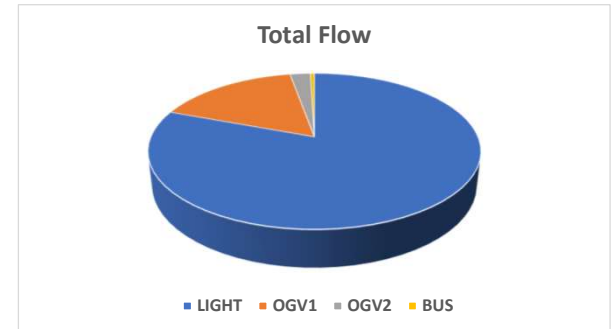
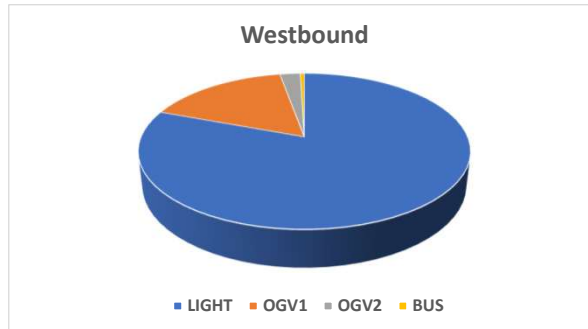
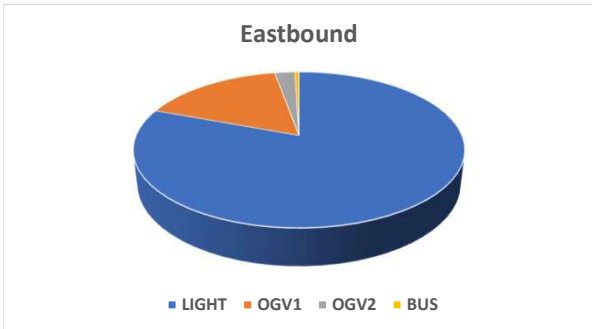
	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	76.0%	18.0%	6.0%	0.0%
Tue 28 Nov 2023	100.0%	85.7%	9.5%	4.8%	0.0%
Wed 29 Nov 2023	100.0%	89.7%	10.3%	0.0%	0.0%
Thu 30 Nov 2023	100.0%	85.7%	14.3%	0.0%	0.0%
Fri 1 Dec 2023	100.0%	87.5%	12.5%	0.0%	0.0%
Sat 2 Dec 2023	100.0%	69.6%	30.4%	0.0%	0.0%
Sun 3 Dec 2023	100.0%	75.7%	18.9%	2.7%	2.7%
5 Day Ave.	100.0%	83.6%	13.8%	2.6%	0.0%
7 Day Ave.	100.0%	80.7%	16.5%	2.4%	0.5%

	Total Volume	LIGHT	OGV1	OGV2	BUS
Mon 27 Nov 2023	100.0%	76.0%	18.0%	6.0%	0.0%
Tue 28 Nov 2023	100.0%	85.7%	9.5%	2.4%	2.4%
Wed 29 Nov 2023	100.0%	89.7%	10.3%	0.0%	0.0%
Thu 30 Nov 2023	100.0%	85.7%	14.3%	0.0%	0.0%
Fri 1 Dec 2023	100.0%	87.5%	12.5%	0.0%	0.0%
Sat 2 Dec 2023	100.0%	69.6%	30.4%	0.0%	0.0%
Sun 3 Dec 2023	100.0%	75.7%	18.9%	4.1%	1.4%
5 Day Ave.	100.0%	83.6%	13.8%	2.3%	0.3%
7 Day Ave.	100.0%	80.7%	16.5%	2.4%	0.5%

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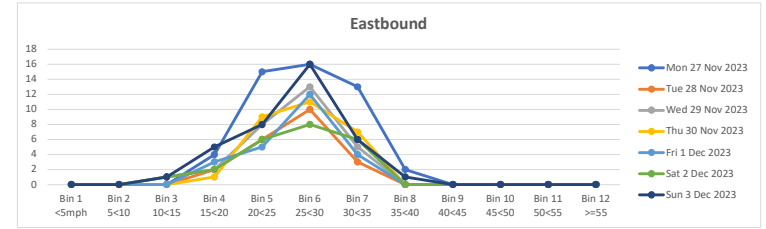
Muingmore ATC 3

(0-24) Speed Summary

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	50	32.2	26.9	5.1	0	0	0	4	15	16	13	2	0	0	0	0
Tue 28 Nov 2023	21	30.3	25.8	4.3	0	0	0	2	6	10	3	0	0	0	0	0
Wed 29 Nov 2023	29	30.8	25.8	4.9	0	0	1	2	8	13	5	0	0	0	0	0
Thu 30 Nov 2023	28	31.2	26.8	4.2	0	0	0	1	9	11	7	0	0	0	0	0
Fri 1 Dec 2023	24	30.7	26.0	4.5	0	0	0	3	5	12	4	0	0	0	0	0
Sat 2 Dec 2023	23	31.7	26.0	5.5	0	0	1	2	6	8	6	0	0	0	0	0
Sun 3 Dec 2023	37	31.4	25.7	5.4	0	0	1	5	8	16	6	1	0	0	0	0
5 Day Ave.	30	31.0	26.3	4.6	0	0	0	2	9	12	6	0	0	0	0	0
7 Day Ave.	30	31.2	26.2	4.9	0	0	0	3	8	12	6	0	0	0	0	0

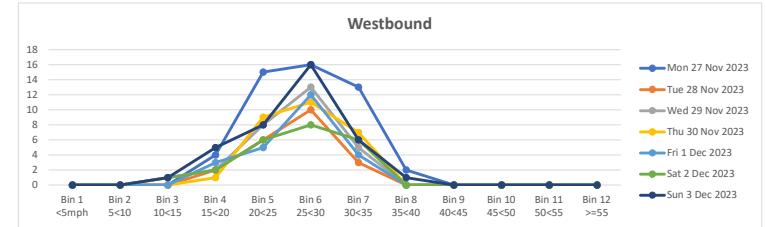
Paul Castle Associates



Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	50	32.2	26.9	5.1	0	0	0	4	15	16	13	2	0	0	0	0
Tue 28 Nov 2023	21	30.3	25.8	4.3	0	0	0	2	6	10	3	0	0	0	0	0
Wed 29 Nov 2023	29	30.8	25.8	4.9	0	0	1	2	8	13	5	0	0	0	0	0
Thu 30 Nov 2023	28	31.2	26.8	4.2	0	0	0	1	9	11	7	0	0	0	0	0
Fri 1 Dec 2023	24	30.7	26.0	4.5	0	0	0	3	5	12	4	0	0	0	0	0
Sat 2 Dec 2023	23	31.7	26.0	5.5	0	0	1	2	6	8	6	0	0	0	0	0
Sun 3 Dec 2023	37	31.4	25.7	5.4	0	0	1	5	8	16	6	1	0	0	0	0
5 Day Ave.	30	31.0	26.3	4.6	0	0	0	2	9	12	6	0	0	0	0	0
7 Day Ave.	30	31.2	26.2	4.9	0	0	0	3	8	12	6	0	0	0	0	0

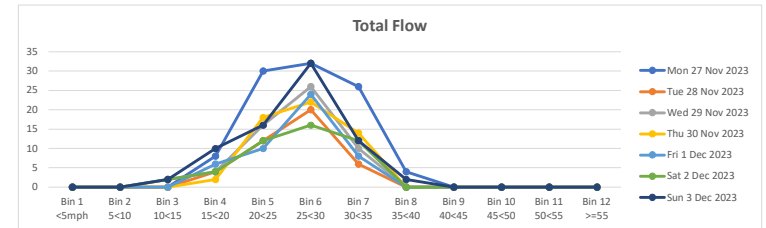
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	100	32.2	26.9	5.1	0	0	0	8	30	32	26	4	0	0	0	0
Tue 28 Nov 2023	42	30.2	25.8	4.2	0	0	0	4	12	20	6	0	0	0	0	0
Wed 29 Nov 2023	58	30.8	25.8	4.8	0	0	2	4	16	26	10	0	0	0	0	0
Thu 30 Nov 2023	56	31.1	26.8	4.2	0	0	0	2	18	22	14	0	0	0	0	0
Fri 1 Dec 2023	48	30.7	26.0	4.5	0	0	0	6	10	24	8	0	0	0	0	0
Sat 2 Dec 2023	46	31.6	26.0	5.5	0	0	2	4	12	16	12	0	0	0	0	0
Sun 3 Dec 2023	74	31.3	25.7	5.4	0	0	2	10	16	32	12	2	0	0	0	0
5 Day Ave.	61	31.0	26.3	4.6	0	0	0	5	17	25	13	1	0	0	0	0
7 Day Ave.	61	31.1	26.2	4.8	0	0	1	5	16	25	13	1	0	0	0	0

Paul Castle Associates



Muingmore ATC 3

(10-12) Speed Summary

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	11	33.6	27.5	5.9	0	0	0	1	3	3	3	1	0	0	0	0
Tue 28 Nov 2023	5	32.2	26.5	5.5	0	0	0	1	0	3	1	0	0	0	0	0
Wed 29 Nov 2023	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
Thu 30 Nov 2023	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
Fri 1 Dec 2023	6	30.4	24.2	6.1	0	0	0	2	1	2	1	0	0	0	0	0
Sat 2 Dec 2023	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
Sun 3 Dec 2023	5	31.4	25.5	5.7	0	0	0	1	1	2	1	0	0	0	0	0
5 Day Ave.	5	25.6	26.1	4.8	0	0	0	1	1	2	1	0	0	0	0	0
7 Day Ave.	5	22.8	27.0	4.2	0	0	0	1	1	2	1	0	0	0	0	0

Paul Castle Associates

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	11	33.6	27.5	5.9	0	0	0	1	3	3	3	1	0	0	0	0
Tue 28 Nov 2023	5	32.2	26.5	5.5	0	0	0	1	0	3	1	0	0	0	0	0
Wed 29 Nov 2023	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
Thu 30 Nov 2023	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
Fri 1 Dec 2023	6	30.4	24.2	6.1	0	0	0	2	1	2	1	0	0	0	0	0
Sat 2 Dec 2023	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
Sun 3 Dec 2023	5	31.4	25.5	5.7	0	0	0	1	1	2	1	0	0	0	0	0
5 Day Ave.	5	25.6	26.1	4.8	0	0	0	1	1	2	1	0	0	0	0	0
7 Day Ave.	5	22.8	27.0	4.2	0	0	0	1	1	2	1	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	22	33.5	27.5	5.8	0	0	0	2	6	6	6	2	0	0	0	0
Tue 28 Nov 2023	10	31.9	26.5	5.2	0	0	0	2	0	6	2	0	0	0	0	0
Wed 29 Nov 2023	8	31.2	25.0	6.0	0	0	0	2	2	2	2	0	0	0	0	0
Thu 30 Nov 2023	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
Fri 1 Dec 2023	12	30.2	24.2	5.8	0	0	0	4	2	4	2	0	0	0	0	0
Sat 2 Dec 2023	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
Sun 3 Dec 2023	10	31.1	25.5	5.4	0	0	0	2	2	4	2	0	0	0	0	0
5 Day Ave.	11	30.8	26.1	4.5	0	0	0	2	2	4	2	0	0	0	0	0
7 Day Ave.	9	31.1	27.0	4.0	0	0	0	2	2	3	2	0	0	0	0	0

Paul Castle Associates

Muingmore ATC 3

(14-16) Speed Summary

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	14	32.9	27.5	5.2	0	0	0	1	3	6	3	1	0	0	0	0
Tue 28 Nov 2023	2	23.7	20.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
Wed 29 Nov 2023	7	28.8	23.2	5.3	0	0	1	0	3	3	0	0	0	0	0	0
Thu 30 Nov 2023	9	30.7	26.4	4.2	0	0	0	0	4	3	2	0	0	0	0	0
Fri 1 Dec 2023	5	31.2	27.5	3.5	0	0	0	0	1	3	1	0	0	0	0	0
Sat 2 Dec 2023	4	33.0	30.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
Sun 3 Dec 2023	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
5 Day Ave.	7	29.4	24.9	4.4	0	0	0	0	2	3	1	0	0	0	0	0
7 Day Ave.	6	29.8	25.7	4.0	0	0	0	0	2	3	1	0	0	0	0	0

Paul Castle Associates

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	14	32.9	27.5	5.2	0	0	0	1	3	6	3	1	0	0	0	0
Tue 28 Nov 2023	2	23.7	20.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
Wed 29 Nov 2023	7	28.8	23.2	5.3	0	0	1	0	3	3	0	0	0	0	0	0
Thu 30 Nov 2023	9	30.7	26.4	4.2	0	0	0	0	4	3	2	0	0	0	0	0
Fri 1 Dec 2023	5	31.2	27.5	3.5	0	0	0	0	1	3	1	0	0	0	0	0
Sat 2 Dec 2023	4	33.0	30.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
Sun 3 Dec 2023	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
5 Day Ave.	7	29.4	24.9	4.4	0	0	0	0	2	3	1	0	0	0	0	0
7 Day Ave.	6	29.8	25.7	4.0	0	0	0	0	2	3	1	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
Mon 27 Nov 2023	28	32.8	27.5	5.1	0	0	0	2	6	12	6	2	0	0	0	0
Tue 28 Nov 2023	4	23.0	20.0	2.9	0	0	0	2	2	0	0	0	0	0	0	0
Wed 29 Nov 2023	14	28.5	23.2	5.1	0	0	2	0	6	6	0	0	0	0	0	0
Thu 30 Nov 2023	18	30.6	26.4	4.0	0	0	0	0	8	6	4	0	0	0	0	0
Fri 1 Dec 2023	10	31.0	27.5	3.3	0	0	0	0	2	6	2	0	0	0	0	0
Sat 2 Dec 2023	8	32.8	30.0	2.7	0	0	0	0	0	4	4	0	0	0	0	0
Sun 3 Dec 2023	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
5 Day Ave.	15	29.2	24.9	4.1	0	0	0	1	5	6	2	0	0	0	0	0
7 Day Ave.	12	29.5	25.7	3.7	0	0	0	1	4	5	2	0	0	0	0	0

Paul Castle Associates

Muingmore ATC 3

Direction: Eastbound

27/11/2023

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	0	0	0	0	0
08:00	0	0	0	0	0
09:00	2	1	1	0	0
10:00	6	4	2	0	0
11:00	5	4	1	0	0
12:00	6	5	1	0	0
13:00	4	3	1	0	0
14:00	7	5	2	0	0
15:00	7	5	0	2	0
16:00	5	3	1	1	0
17:00	1	1	0	0	0
18:00	4	4	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	47	35	9	3	0
16H(6-22)	49	37	9	3	0
18H(6-24)	49	37	9	3	0
24H(0-24)	50	38	9	3	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	6	4	2	0	0
PM Peak	14:00	12:00	14:00	15:00	12:00
	7	5	2	2	0

Paul Castle Associates

Direction: Westbound

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	0	0	0	0	0
08:00	0	0	0	0	0
09:00	2	1	1	0	0
10:00	6	4	2	0	0
11:00	5	4	1	0	0
12:00	6	5	1	0	0
13:00	4	3	1	0	0
14:00	7	5	2	0	0
15:00	7	5	0	2	0
16:00	5	3	1	1	0
17:00	1	1	0	0	0
18:00	4	4	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	47	35	9	3	0
16H(6-22)	49	37	9	3	0
18H(6-24)	49	37	9	3	0
24H(0-24)	50	38	9	3	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	6	4	2	0	0
PM Peak	14:00	12:00	14:00	15:00	12:00
	7	5	2	2	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	2	2	0	0	0
06:00	4	4	0	0	0
07:00	0	0	0	0	0
08:00	0	0	0	0	0
09:00	4	2	2	0	0
10:00	12	8	4	0	0
11:00	10	8	2	0	0
12:00	12	10	2	0	0
13:00	8	6	2	0	0
14:00	14	10	4	0	0
15:00	14	10	0	4	0
16:00	10	6	2	2	0
17:00	2	2	0	0	0
18:00	8	8	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	94	70	18	6	0
16H(6-22)	98	74	18	6	0
18H(6-24)	98	74	18	6	0
24H(0-24)	100	76	18	6	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	12	8	4	0	0
PM Peak	14:00	12:00	14:00	15:00	12:00
	14	10	4	4	0

Paul Castle Associates

Muingmore ATC 3

Direction: Eastbound

28/11/2023

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	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	4	2	1	0	1
12:00	3	2	1	0	0
13:00	3	3	0	0	0
14:00	1	1	0	0	0
15:00	1	1	0	0	0
16:00	3	3	0	0	0
17:00	1	1	0	0	0
18:00	0	0	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	19	16	2	0	1
16H(6-22)	21	18	2	0	1
18H(6-24)	21	18	2	0	1
24H(0-24)	21	18	2	0	1
AM Peak	11:00	06:00	11:00	00:00	11:00
	4	2	1	0	1
PM Peak	12:00	13:00	12:00	12:00	12:00
	3	3	1	0	0

Paul Castle Associates

Direction: Westbound

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	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	4	2	1	1	0
12:00	3	2	1	0	0
13:00	3	3	0	0	0
14:00	1	1	0	0	0
15:00	1	1	0	0	0
16:00	3	3	0	0	0
17:00	1	1	0	0	0
18:00	0	0	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	19	16	2	1	0
16H(6-22)	21	18	2	1	0
18H(6-24)	21	18	2	1	0
24H(0-24)	21	18	2	1	0
AM Peak	11:00	06:00	11:00	11:00	00:00
	4	2	1	1	0
PM Peak	12:00	13:00	12:00	12:00	12:00
	3	3	1	0	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	4	4	0	0	0
07:00	2	2	0	0	0
08:00	0	0	0	0	0
09:00	2	2	0	0	0
10:00	2	2	0	0	0
11:00	8	4	2	1	1
12:00	6	4	2	0	0
13:00	6	6	0	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	2	2	0	0	0
18:00	0	0	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	38	32	4	1	1
16H(6-22)	42	36	4	1	1
18H(6-24)	42	36	4	1	1
24H(0-24)	42	36	4	1	1
AM Peak	11:00	06:00	11:00	11:00	11:00
	8	4	2	1	1
PM Peak	12:00	13:00	12:00	12:00	12:00
	6	6	2	0	0

Paul Castle Associates

Muingmore ATC 3

Direction: Eastbound

29/11/2023

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	0	0	0	0	0
08:00	0	0	0	0	0
09:00	1	1	0	0	0
10:00	4	3	1	0	0
11:00	0	0	0	0	0
12:00	2	1	1	0	0
13:00	8	8	0	0	0
14:00	3	3	0	0	0
15:00	4	4	0	0	0
16:00	3	3	0	0	0
17:00	1	1	0	0	0
18:00	1	0	1	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	27	24	3	0	0
16H(6-22)	29	26	3	0	0
18H(6-24)	29	26	3	0	0
24H(0-24)	29	26	3	0	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	4	3	1	0	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	8	8	1	0	0

Paul Castle Associates

Direction: Westbound

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	0	0	0	0	0
08:00	0	0	0	0	0
09:00	1	1	0	0	0
10:00	4	3	1	0	0
11:00	0	0	0	0	0
12:00	2	1	1	0	0
13:00	8	8	0	0	0
14:00	3	3	0	0	0
15:00	4	4	0	0	0
16:00	3	3	0	0	0
17:00	1	1	0	0	0
18:00	1	0	1	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	27	24	3	0	0
16H(6-22)	29	26	3	0	0
18H(6-24)	29	26	3	0	0
24H(0-24)	29	26	3	0	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	4	3	1	0	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	8	8	1	0	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	4	4	0	0	0
07:00	0	0	0	0	0
08:00	0	0	0	0	0
09:00	2	2	0	0	0
10:00	8	6	2	0	0
11:00	0	0	0	0	0
12:00	4	2	2	0	0
13:00	16	16	0	0	0
14:00	6	6	0	0	0
15:00	8	8	0	0	0
16:00	6	6	0	0	0
17:00	2	2	0	0	0
18:00	2	0	2	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	54	48	6	0	0
16H(6-22)	58	52	6	0	0
18H(6-24)	58	52	6	0	0
24H(0-24)	58	52	6	0	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	8	6	2	0	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	16	16	2	0	0

Paul Castle Associates

Muingmore ATC 3

Direction: Eastbound

30/11/2023

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	1	1	0	0	0
08:00	3	2	1	0	0
09:00	1	1	0	0	0
10:00	0	0	0	0	0
11:00	1	1	0	0	0
12:00	5	4	1	0	0
13:00	3	2	1	0	0
14:00	5	4	1	0	0
15:00	4	4	0	0	0
16:00	0	0	0	0	0
17:00	2	2	0	0	0
18:00	1	1	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	26	22	4	0	0
16H(6-22)	28	24	4	0	0
18H(6-24)	28	24	4	0	0
24H(0-24)	28	24	4	0	0
AM Peak	08:00	06:00	08:00	00:00	00:00
	3	2	1	0	0
PM Peak	12:00	12:00	12:00	12:00	12:00
	5	4	1	0	0

Paul Castle Associates

Direction: Westbound

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	1	1	0	0	0
08:00	3	2	1	0	0
09:00	1	1	0	0	0
10:00	0	0	0	0	0
11:00	1	1	0	0	0
12:00	5	4	1	0	0
13:00	3	2	1	0	0
14:00	5	4	1	0	0
15:00	4	4	0	0	0
16:00	0	0	0	0	0
17:00	2	2	0	0	0
18:00	1	1	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	26	22	4	0	0
16H(6-22)	28	24	4	0	0
18H(6-24)	28	24	4	0	0
24H(0-24)	28	24	4	0	0
AM Peak	08:00	06:00	08:00	00:00	00:00
	3	2	1	0	0
PM Peak	12:00	12:00	12:00	12:00	12:00
	5	4	1	0	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	4	4	0	0	0
07:00	2	2	0	0	0
08:00	6	4	2	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	10	8	2	0	0
13:00	6	4	2	0	0
14:00	10	8	2	0	0
15:00	8	8	0	0	0
16:00	0	0	0	0	0
17:00	4	4	0	0	0
18:00	2	2	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	52	44	8	0	0
16H(6-22)	56	48	8	0	0
18H(6-24)	56	48	8	0	0
24H(0-24)	56	48	8	0	0
AM Peak	08:00	06:00	08:00	00:00	00:00
	6	4	2	0	0
PM Peak	12:00	12:00	12:00	12:00	12:00
	10	8	2	0	0

Paul Castle Associates

Muingmore ATC 3

Direction: Eastbound

01/12/2023

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	2	0	0	0
08:00	0	0	0	0	0
09:00	0	0	0	0	0
10:00	2	2	0	0	0
11:00	4	4	0	0	0
12:00	2	1	1	0	0
13:00	5	4	1	0	0
14:00	2	2	0	0	0
15:00	3	3	0	0	0
16:00	2	2	0	0	0
17:00	2	1	1	0	0
18:00	0	0	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	24	21	3	0	0
16H(6-22)	24	21	3	0	0
18H(6-24)	24	21	3	0	0
24H(0-24)	24	21	3	0	0
AM Peak	11:00	11:00	00:00	00:00	00:00
	4	4	0	0	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	5	4	1	0	0

Paul Castle Associates

Direction: Westbound

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	2	0	0	0
08:00	0	0	0	0	0
09:00	0	0	0	0	0
10:00	2	2	0	0	0
11:00	4	4	0	0	0
12:00	2	1	1	0	0
13:00	5	4	1	0	0
14:00	2	2	0	0	0
15:00	3	3	0	0	0
16:00	2	2	0	0	0
17:00	2	1	1	0	0
18:00	0	0	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	24	21	3	0	0
16H(6-22)	24	21	3	0	0
18H(6-24)	24	21	3	0	0
24H(0-24)	24	21	3	0	0
AM Peak	11:00	11:00	00:00	00:00	00:00
	4	4	0	0	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	5	4	1	0	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	4	4	0	0	0
08:00	0	0	0	0	0
09:00	0	0	0	0	0
10:00	4	4	0	0	0
11:00	8	8	0	0	0
12:00	4	2	2	0	0
13:00	10	8	2	0	0
14:00	4	4	0	0	0
15:00	6	6	0	0	0
16:00	4	4	0	0	0
17:00	4	2	2	0	0
18:00	0	0	0	0	0
19:00	0	0	0	0	0
20:00	0	0	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)	48	42	6	0	0
16H(6-22)	48	42	6	0	0
18H(6-24)	48	42	6	0	0
24H(0-24)	48	42	6	0	0
AM Peak	11:00	11:00	00:00	00:00	00:00
	8	8	0	0	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	10	8	2	0	0

Paul Castle Associates

Muingmore ATC 3

Direction: Eastbound

02/12/2023

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	1	1	0	0	0
08:00	0	0	0	0	0
09:00	1	0	1	0	0
10:00	1	1	0	0	0
11:00	0	0	0	0	0
12:00	1	1	0	0	0
13:00	6	4	2	0	0
14:00	1	1	0	0	0
15:00	3	1	2	0	0
16:00	3	2	1	0	0
17:00	2	1	1	0	0
18:00	2	2	0	0	0
19:00	1	1	0	0	0
20:00	0	0	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)	21	14	7	0	0
16H(6-22)	22	15	7	0	0
18H(6-24)	22	15	7	0	0
24H(0-24)	23	16	7	0	0
AM Peak	05:00	05:00	09:00	00:00	00:00
	1	1	1	0	0
PM Peak	13:00	13:00	13:00	12:00	12:00
	6	4	2	0	0

Paul Castle Associates

Direction: Westbound

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	1	1	0	0	0
08:00	0	0	0	0	0
09:00	1	0	1	0	0
10:00	1	1	0	0	0
11:00	0	0	0	0	0
12:00	1	1	0	0	0
13:00	6	4	2	0	0
14:00	1	1	0	0	0
15:00	3	1	2	0	0
16:00	3	2	1	0	0
17:00	2	1	1	0	0
18:00	2	2	0	0	0
19:00	1	1	0	0	0
20:00	0	0	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)	21	14	7	0	0
16H(6-22)	22	15	7	0	0
18H(6-24)	22	15	7	0	0
24H(0-24)	23	16	7	0	0
AM Peak	05:00	05:00	09:00	00:00	00:00
	1	1	1	0	0
PM Peak	13:00	13:00	13:00	12:00	12:00
	6	4	2	0	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	2	2	0	0	0
06:00	0	0	0	0	0
07:00	2	2	0	0	0
08:00	0	0	0	0	0
09:00	2	0	2	0	0
10:00	2	2	0	0	0
11:00	0	0	0	0	0
12:00	2	2	0	0	0
13:00	12	8	4	0	0
14:00	2	2	0	0	0
15:00	6	2	4	0	0
16:00	6	4	2	0	0
17:00	4	2	2	0	0
18:00	4	4	0	0	0
19:00	2	2	0	0	0
20:00	0	0	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)	42	28	14	0	0
16H(6-22)	44	30	14	0	0
18H(6-24)	44	30	14	0	0
24H(0-24)	46	32	14	0	0
AM Peak	05:00	05:00	09:00	00:00	00:00
	2	2	2	0	0
PM Peak	13:00	13:00	13:00	12:00	12:00
	12	8	4	0	0

Paul Castle Associates

Muingmore ATC 3

Direction: Eastbound

03/12/2023

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	2	1	0	1	0
08:00	0	0	0	0	0
09:00	2	1	1	0	0
10:00	2	1	1	0	0
11:00	3	3	0	0	0
12:00	3	2	1	0	0
13:00	4	3	1	0	0
14:00	2	2	0	0	0
15:00	0	0	0	0	0
16:00	8	6	2	0	0
17:00	7	6	1	0	0
18:00	3	2	0	1	0
19:00	0	0	0	0	0
20:00	0	0	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)	36	27	7	2	0
16H(6-22)	37	28	7	2	0
18H(6-24)	37	28	7	2	0
24H(0-24)	37	28	7	2	0
AM Peak	11:00	11:00	09:00	07:00	00:00
	3	3	1	1	0
PM Peak	16:00	16:00	16:00	18:00	12:00
	8	6	2	1	0

Paul Castle Associates

Direction: Westbound

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	2	1	0	0	1
08:00	0	0	0	0	0
09:00	2	1	1	0	0
10:00	2	1	1	0	0
11:00	3	3	0	0	0
12:00	3	2	1	0	0
13:00	4	3	1	0	0
14:00	2	2	0	0	0
15:00	0	0	0	0	0
16:00	8	6	2	0	0
17:00	7	6	1	0	0
18:00	3	2	0	1	0
19:00	0	0	0	0	0
20:00	0	0	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)	36	27	7	1	1
16H(6-22)	37	28	7	1	1
18H(6-24)	37	28	7	1	1
24H(0-24)	37	28	7	1	1
AM Peak	11:00	11:00	09:00	00:00	07:00
	3	3	1	0	1
PM Peak	16:00	16:00	16:00	18:00	12:00
	8	6	2	1	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	2	2	0	0	0
07:00	4	2	0	1	1
08:00	0	0	0	0	0
09:00	4	2	2	0	0
10:00	4	2	2	0	0
11:00	6	6	0	0	0
12:00	6	4	2	0	0
13:00	8	6	2	0	0
14:00	4	4	0	0	0
15:00	0	0	0	0	0
16:00	16	12	4	0	0
17:00	14	12	2	0	0
18:00	6	4	0	2	0
19:00	0	0	0	0	0
20:00	0	0	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)	72	54	14	3	1
16H(6-22)	74	56	14	3	1
18H(6-24)	74	56	14	3	1
24H(0-24)	74	56	14	3	1
AM Peak	11:00	11:00	09:00	07:00	07:00
	6	6	2	1	1
PM Peak	16:00	16:00	16:00	18:00	12:00
	16	12	4	2	0

Paul Castle Associates

Muingmore ATC 3

Speed 27 11 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
06:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
07:00	0	-	-	-	0	0	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	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
10:00	6	34.3	26.7	7.4	0	0	0	1	2	1	1	1	0	0	0	0
11:00	5	32.8	28.5	4.2	0	0	0	0	1	2	2	0	0	0	0	0
12:00	6	31.8	26.7	4.9	0	0	0	0	3	1	2	0	0	0	0	0
13:00	4	28.8	26.3	2.5	0	0	0	0	1	3	0	0	0	0	0	0
14:00	7	34.4	30.4	3.9	0	0	0	0	0	4	2	1	0	0	0	0
15:00	7	29.7	24.6	4.9	0	0	0	1	3	2	1	0	0	0	0	0
16:00	5	30.4	24.5	5.7	0	0	0	1	2	1	1	0	0	0	0	0
17:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
18:00	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	11	33.6	27.5	5.9	0	0	0	1	3	3	3	1	0	0	0	0
2H(14-16)	14	32.9	27.5	5.2	0	0	0	1	3	6	3	1	0	0	0	0
12H(7-19)	47	32.5	27.1	5.2	0	0	0	4	13	15	13	2	0	0	0	0
24H(0-24)	50	32.2	26.9	5.1	0	0	0	4	15	16	13	2	0	0	0	0
AM Peak	10:00	10:00	09:00	10:00	00:00	00:00	00:00	10:00	10:00	11:00	09:00	10:00	00:00	00:00	00:00	00:00
	6	34.3	32.5	7.4	0	0	0	1	2	2	2	1	0	0	0	0
PM Peak	14:00	14:00	17:00	18:00	12:00	12:00	12:00	15:00	12:00	14:00	12:00	14:00	12:00	12:00	12:00	12:00
	7	34.4	32.5	6.5	0	0	0	1	3	4	2	1	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
06:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
07:00	0	-	-	-	0	0	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	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
10:00	6	34.3	26.7	7.4	0	0	0	1	2	1	1	1	0	0	0	0
11:00	5	32.8	28.5	4.2	0	0	0	0	1	2	2	0	0	0	0	0
12:00	6	31.8	26.7	4.9	0	0	0	0	3	1	2	0	0	0	0	0
13:00	4	28.8	26.3	2.5	0	0	0	0	1	3	0	0	0	0	0	0
14:00	7	34.4	30.4	3.9	0	0	0	0	0	4	2	1	0	0	0	0
15:00	7	29.7	24.6	4.9	0	0	0	1	3	2	1	0	0	0	0	0
16:00	5	30.4	24.5	5.7	0	0	0	1	2	1	1	0	0	0	0	0
17:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
18:00	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	11	33.6	27.5	5.9	0	0	0	1	3	3	3	1	0	0	0	0
2H(14-16)	14	32.9	27.5	5.2	0	0	0	1	3	6	3	1	0	0	0	0
12H(7-19)	47	32.5	27.1	5.2	0	0	0	4	13	15	13	2	0	0	0	0
24H(0-24)	50	32.2	26.9	5.1	0	0	0	4	15	16	13	2	0	0	0	0
AM Peak	10:00	10:00	09:00	10:00	00:00	00:00	00:00	10:00	10:00	11:00	09:00	10:00	00:00	00:00	00:00	00:00
	6	34.3	32.5	7.4	0	0	0	1	2	2	2	1	0	0	0	0
PM Peak	14:00	14:00	17:00	18:00	12:00	12:00	12:00	15:00	12:00	14:00	12:00	14:00	12:00	12:00	12:00	12:00
	7	34.4	32.5	6.5	0	0	0	1	3	4	2	1	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	2	22.5	22.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
06:00	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
07:00	0	-	-	-	0	0	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	4	32.5	32.5	0.0	0	0	0	0	0	4	0	0	0	0	0	0
10:00	12	33.9	26.7	7.0	0	0	0	2	4	2	2	2	0	0	0	0
11:00	10	32.6	28.5	3.9	0	0	0	0	2	4	4	0	0	0	0	0
12:00	12	31.5	26.7	4.7	0	0	0	0	6	2	4	0	0	0	0	0
13:00	8	28.6	26.3	2.3	0	0	0	0	2	6	0	0	0	0	0	0
14:00	14	34.3	30.4	3.8	0	0	0	0	0	8	4	2	0	0	0	0
15:00	14	29.5	24.6	4.7	0	0	0	2	6	4	2	0	0	0	0	0
16:00	10	30.1	24.5	5.4	0	0	0	2	4	2	2	0	0	0	0	0
17:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
18:00	8	31.2	25.0	6.0	0	0	0	2	2	2	2	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	22	33.5	27.5	5.8	0	0	0	2	6	6	6	2	0	0	0	0
2H(14-16)	28	32.8	27.5	5.1	0	0	0	2	6	12	6	2	0	0	0	0
12H(7-19)	94	32.4	27.1	5.2	0	0	0	8	26	30	26	4	0	0	0	0
24H(0-24)	100	32.2	26.9	5.1	0	0	0	8	30	32	26	4	0	0	0	0
AM Peak	10:00	10:00	09:00	10:00	00:00	00:00	00:00	10:00	10:00	11:00	09:00	10:00	00:00	00:00	00:00	00:00
	12	33.9	32.5													

Muingmore ATC 3

Speed 28 11 2023

Direction: Eastbound

Table with 17 columns: Hour Beginning, Total Volume, 85th Percentile, Mean Average, Standard Deviation, Bin 1 <5mph, Bin 2 5<10, Bin 3 10<15, Bin 4 15<20, Bin 5 20<25, Bin 6 25<30, Bin 7 30<35, Bin 8 35<40, Bin 9 40<45, Bin 10 45<50, Bin 11 50<55, Bin 12 >=55. Rows include hourly data from 00:00 to 23:00, and summary rows for 2H(10-12), 2H(14-16), 12H(7-19), 24H(0-24), AM Peak, and PM Peak.

Paul Castle Associates

Direction: Westbound

Table with 17 columns: Hour Beginning, Total Volume, 85th Percentile, Mean Average, Standard Deviation, Bin 1 <5mph, Bin 2 5<10, Bin 3 10<15, Bin 4 15<20, Bin 5 20<25, Bin 6 25<30, Bin 7 30<35, Bin 8 35<40, Bin 9 40<45, Bin 10 45<50, Bin 11 50<55, Bin 12 >=55. Rows include hourly data from 00:00 to 23:00, and summary rows for 2H(10-12), 2H(14-16), 12H(7-19), 24H(0-24), AM Peak, and PM Peak.

Paul Castle Associates

Direction: Total Flow

Table with 17 columns: Hour Beginning, Total Volume, 85th Percentile, Mean Average, Standard Deviation, Bin 1 <5mph, Bin 2 5<10, Bin 3 10<15, Bin 4 15<20, Bin 5 20<25, Bin 6 25<30, Bin 7 30<35, Bin 8 35<40, Bin 9 40<45, Bin 10 45<50, Bin 11 50<55, Bin 12 >=55. Rows include hourly data from 00:00 to 23:00, and summary rows for 2H(10-12), 2H(14-16), 12H(7-19), 24H(0-24), AM Peak, and PM Peak.

Paul Castle Associates

Muingmore ATC 3

Speed 29 11 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
07:00	0	-	-	-	0	0	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	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
10:00	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
13:00	8	30.8	26.3	4.4	0	0	0	1	1	5	1	0	0	0	0	0
14:00	3	28.7	20.8	7.6	0	0	1	0	1	1	0	0	0	0	0	0
15:00	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
16:00	3	32.7	27.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
17:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
18:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
2H(14-16)	7	28.8	23.2	5.3	0	0	1	0	3	3	0	0	0	0	0	0
12H(7-19)	27	30.7	25.6	4.8	0	0	1	2	7	13	4	0	0	0	0	0
24H(0-24)	29	30.8	25.8	4.9	0	0	1	2	8	13	5	0	0	0	0	0
AM Peak	10:00	06:00	06:00	06:00	00:00	00:00	00:00	10:00	06:00	10:00	06:00	00:00	00:00	00:00	00:00	00:00
	4	34.8	27.5	7.1	0	0	0	1	1	1	0	0	0	0	0	0
PM Peak	13:00	16:00	17:00	14:00	12:00	12:00	14:00	13:00	15:00	13:00	13:00	12:00	12:00	12:00	12:00	12:00
	8	32.7	32.5	7.6	0	0	1	1	2	5	1	0	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
07:00	0	-	-	-	0	0	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	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
10:00	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
13:00	8	30.8	26.3	4.4	0	0	0	1	1	5	1	0	0	0	0	0
14:00	3	28.7	20.8	7.6	0	0	1	0	1	1	0	0	0	0	0	0
15:00	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
16:00	3	32.7	27.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
17:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
18:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
2H(14-16)	7	28.8	23.2	5.3	0	0	1	0	3	3	0	0	0	0	0	0
12H(7-19)	27	30.7	25.6	4.8	0	0	1	2	7	13	4	0	0	0	0	0
24H(0-24)	29	30.8	25.8	4.9	0	0	1	2	8	13	5	0	0	0	0	0
AM Peak	10:00	06:00	06:00	06:00	00:00	00:00	00:00	10:00	06:00	10:00	06:00	00:00	00:00	00:00	00:00	00:00
	4	34.8	27.5	7.1	0	0	0	1	1	1	0	0	0	0	0	0
PM Peak	13:00	16:00	17:00	14:00	12:00	12:00	14:00	13:00	15:00	13:00	13:00	12:00	12:00	12:00	12:00	12:00
	8	32.7	32.5	7.6	0	0	1	1	2	5	1	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	4	33.5	27.5	5.8	0	0	0	0	2	0	2	0	0	0	0	0
07:00	0	-	-	-	0	0	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	2	22.5	22.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
10:00	8	31.2	25.0	6.0	0	0	0	2	2	2	2	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	4	27.5	27.5	0.0	0	0	0	0	0	4	0	0	0	0	0	0
13:00	16	30.7	26.3	4.3	0	0	0	2	2	10	2	0	0	0	0	0
14:00	6	27.9	20.8	6.8	0	0	2	0	2	2	0	0	0	0	0	0
15:00	8	27.8	25.0	2.7	0	0	0	0	4	4	0	0	0	0	0	0
16:00	6	32.1	27.5	4.5	0	0	0	0	2	2	2	0	0	0	0	0
17:00	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
18:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	8	31.2	25.0	6.0	0	0	0	2	2	2	2	0	0	0	0	0
2H(14-16)	14	28.5	23.2	5.1	0	0	2	0	6	6	0	0	0	0	0	0
12H(7-19)	54	30.6	25.6	4.8	0	0	2	4	14	26	8	0	0	0	0	0
24H(0-24)	58	30.8	25.8	4.8	0	0	2	4	16	26	10	0	0	0	0	0
AM Peak	10:00	06:00	06:00	06:00	00:00	00:00	00:00	10:00	06:00	10:00	06:00	00:00	00:00	00:00	00:00	00:00
	8	33.5	27.5	6.0	0	0	0	2	2	2	2	0	0	0	0	0
PM Peak	13:00	17:00														

Muingmore ATC 3

Speed 30 11 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
07:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
08:00	3	32.7	27.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
09:00	1	-	22.5	-	0	0	0	0	1	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	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
12:00	5	30.1	25.5	4.5	0	0	0	1	0	4	0	0	0	0	0	0
13:00	3	31.8	25.8	5.8	0	0	0	0	2	0	1	0	0	0	0	0
14:00	5	30.8	26.5	4.2	0	0	0	0	2	2	1	0	0	0	0	0
15:00	4	31.2	26.3	4.8	0	0	0	0	2	1	1	0	0	0	0	0
16:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
17:00	2	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
18:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
2H(14-16)	9	30.7	26.4	4.2	0	0	0	0	4	3	2	0	0	0	0	0
12H(7-19)	26	30.9	26.5	4.2	0	0	0	1	9	10	6	0	0	0	0	0
24H(0-24)	28	31.2	26.8	4.2	0	0	0	1	9	11	7	0	0	0	0	0
AM Peak	08:00	06:00	06:00	08:00	00:00	00:00	00:00	00:00	08:00	06:00	06:00	00:00	00:00	00:00	00:00	00:00
	3	33.7	30.0	5.0	0	0	0	0	1	1	1	0	0	0	0	0
PM Peak	12:00	17:00	18:00	17:00	12:00	12:00	12:00	12:00	13:00	12:00	13:00	12:00	12:00	12:00	12:00	12:00
	5	34.8	32.5	7.1	0	0	0	1	2	4	1	0	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
07:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
08:00	3	32.7	27.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
09:00	1	-	22.5	-	0	0	0	0	1	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	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
12:00	5	30.1	25.5	4.5	0	0	0	1	0	4	0	0	0	0	0	0
13:00	3	31.8	25.8	5.8	0	0	0	0	2	0	1	0	0	0	0	0
14:00	5	30.8	26.5	4.2	0	0	0	0	2	2	1	0	0	0	0	0
15:00	4	31.2	26.3	4.8	0	0	0	0	2	1	1	0	0	0	0	0
16:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
17:00	2	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
18:00	1	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
2H(14-16)	9	30.7	26.4	4.2	0	0	0	0	4	3	2	0	0	0	0	0
12H(7-19)	26	30.9	26.5	4.2	0	0	0	1	9	10	6	0	0	0	0	0
24H(0-24)	28	31.2	26.8	4.2	0	0	0	1	9	11	7	0	0	0	0	0
AM Peak	08:00	06:00	06:00	08:00	00:00	00:00	00:00	00:00	08:00	06:00	06:00	00:00	00:00	00:00	00:00	00:00
	3	33.7	30.0	5.0	0	0	0	0	1	1	1	0	0	0	0	0
PM Peak	12:00	17:00	18:00	17:00	12:00	12:00	12:00	12:00	13:00	12:00	13:00	12:00	12:00	12:00	12:00	12:00
	5	34.8	32.5	7.1	0	0	0	1	2	4	1	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	4	33.0	30.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
07:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
08:00	6	32.1	27.5	4.5	0	0	0	0	2	2	2	0	0	0	0	0
09:00	2	22.5	22.5	0.0	0	0	0	0	2	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	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
12:00	10	29.9	25.5	4.2	0	0	0	2	0	8	0	0	0	0	0	0
13:00	6	31.2	25.8	5.2	0	0	0	0	4	0	2	0	0	0	0	0
14:00	10	30.6	26.5	3.9	0	0	0	0	4	4	2	0	0	0	0	0
15:00	8	30.8	26.3	4.4	0	0	0	0	4	2	2	0	0	0	0	0
16:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
17:00	4	33.5	27.5	5.8	0	0	0	0	2	0	2	0	0	0	0	0
18:00	2	32.5	32.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
2H(14-16)	18	30.6	26.4	4.0	0	0	0	0	8	6	4	0	0	0	0	0
12H(7-19)	52	30.9	26.5	4.2	0	0	0	2	18	20	12	0	0	0	0	0
24H(0-24)	56	31.1	26.8	4.2	0	0	0	2	18	22	14	0	0	0	0	0
AM Peak	08:00	06:00	06:00	08:00	00:00	00:00	00:00	00:00	08:00	06:00	06:00	00:00	00:00	00:00	00:00	00:00
	6	33.0	30.0	4.5	0	0	0	0	2	2	2	0	0	0	0	

Muingmore ATC 3

Speed 01 12 2023

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
10:00	2	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
11:00	4	28.5	22.5	5.8	0	0	0	2	0	2	0	0	0	0	0	0
12:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
13:00	5	30.1	25.5	4.5	0	0	0	0	3	1	1	0	0	0	0	0
14:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
15:00	3	32.7	27.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
16:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
17:00	2	29.8	22.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
18:00	0	-	-	-	0	0	0	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	0	-	-	-	0	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	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	6	30.4	24.2	6.1	0	0	0	2	1	2	1	0	0	0	0	0
2H(10-12)	6	30.4	24.2	6.1	0	0	0	2	1	2	1	0	0	0	0	0
2H(14-16)	5	31.2	27.5	3.5	0	0	0	0	1	3	1	0	0	0	0	0
12H(7-19)	24	30.7	26.0	4.5	0	0	0	3	5	12	4	0	0	0	0	0
24H(0-24)	24	30.7	26.0	4.5	0	0	0	3	5	12	4	0	0	0	0	0
AM Peak	11:00	10:00	07:00	10:00	00:00	00:00	00:00	11:00	10:00	11:00	07:00	00:00	00:00	00:00	00:00	00:00
	4	34.8	30.0	7.1	0	0	0	2	1	2	1	0	0	0	0	0
PM Peak	13:00	15:00	12:00	17:00	12:00	12:00	12:00	17:00	13:00	12:00	13:00	12:00	12:00	12:00	12:00	12:00
	5	32.7	27.5	7.1	0	0	0	1	3	2	1	0	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	33.7	30.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
10:00	2	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
11:00	4	28.5	22.5	5.8	0	0	0	2	0	2	0	0	0	0	0	0
12:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
13:00	5	30.1	25.5	4.5	0	0	0	0	3	1	1	0	0	0	0	0
14:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
15:00	3	32.7	27.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
16:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
17:00	2	29.8	22.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
18:00	0	-	-	-	0	0	0	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	0	-	-	-	0	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	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	6	30.4	24.2	6.1	0	0	0	2	1	2	1	0	0	0	0	0
2H(10-12)	6	30.4	24.2	6.1	0	0	0	2	1	2	1	0	0	0	0	0
2H(14-16)	5	31.2	27.5	3.5	0	0	0	0	1	3	1	0	0	0	0	0
12H(7-19)	24	30.7	26.0	4.5	0	0	0	3	5	12	4	0	0	0	0	0
24H(0-24)	24	30.7	26.0	4.5	0	0	0	3	5	12	4	0	0	0	0	0
AM Peak	11:00	10:00	07:00	10:00	00:00	00:00	00:00	11:00	10:00	11:00	07:00	00:00	00:00	00:00	00:00	00:00
	4	34.8	30.0	7.1	0	0	0	2	1	2	1	0	0	0	0	0
PM Peak	13:00	15:00	12:00	17:00	12:00	12:00	12:00	17:00	13:00	12:00	13:00	12:00	12:00	12:00	12:00	12:00
	5	32.7	27.5	7.1	0	0	0	1	3	2	1	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	33.0	30.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
10:00	4	33.5	27.5	5.8	0	0	0	0	2	0	2	0	0	0	0	0
11:00	8	28.0	22.5	5.3	0	0	0	4	0	4	0	0	0	0	0	0
12:00	4	27.5	27.5	0.0	0	0	0	0	0	4	0	0	0	0	0	0
13:00	10	29.9	25.5	4.2	0	0	0	0	6	2	2	0	0	0	0	0
14:00	4	27.5	27.5	0.0	0	0	0	0	0	4	0	0	0	0	0	0
15:00	6	32.1	27.5	4.5	0	0	0	0	2	2	2	0	0	0	0	0
16:00	4	27.5	27.5	0.0	0	0	0	0	0	4	0	0	0	0	0	0
17:00	4	28.5	22.5	5.8	0	0	0	2	0	2	0	0	0	0	0	0
18:00	0	-	-	-	0	0	0	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	0	-	-	-	0	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	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	12	30.2	24.2	5.8	0	0	0	4	2	4	2	0	0	0	0	0
2H(10-12)	12	30.2	24.2	5.8	0	0	0	4	2	4	2	0	0	0	0	0
2H(14-16)	10	31.0	27.5	3.3	0	0	0	0	2	6	2	0	0			

Muingmore ATC 3

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5-10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	1	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
10:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	1	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
13:00	6	32.7	26.7	5.8	0	0	0	1	1	2	2	0	0	0	0	0
14:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
15:00	3	32.2	29.2	2.9	0	0	0	0	0	2	1	0	0	0	0	0
16:00	3	27.2	24.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
17:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
18:00	2	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
19:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
2H(14-16)	4	33.0	30.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
12H(7-19)	21	31.8	25.8	5.8	0	0	1	2	6	6	6	0	0	0	0	0
24H(0-24)	23	31.7	26.0	5.5	0	0	1	2	6	8	6	0	0	0	0	0
AM Peak	05:00	#N/A	10:00	#N/A	00:00	00:00	00:00	00:00	09:00	05:00	10:00	00:00	00:00	00:00	00:00	00:00
	1	0.0	32.5	0.0	0	0	0	0	1	1	1	0	0	0	0	0
PM Peak	13:00	18:00	14:00	18:00	12:00	12:00	17:00	13:00	16:00	13:00	13:00	12:00	12:00	12:00	12:00	12:00
	6	34.8	32.5	7.1	0	0	1	1	2	2	2	0	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5-10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	1	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
10:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	1	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
13:00	6	32.7	26.7	5.8	0	0	0	1	1	2	2	0	0	0	0	0
14:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
15:00	3	32.2	29.2	2.9	0	0	0	0	0	2	1	0	0	0	0	0
16:00	3	27.2	24.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
17:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
18:00	2	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
19:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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	-	32.5	-	0	0	0	0	0	0	1	0	0	0	0	0
2H(14-16)	4	33.0	30.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
12H(7-19)	21	31.8	25.8	5.8	0	0	1	2	6	6	6	0	0	0	0	0
24H(0-24)	23	31.7	26.0	5.5	0	0	1	2	6	8	6	0	0	0	0	0
AM Peak	05:00	#N/A	10:00	#N/A	00:00	00:00	00:00	00:00	09:00	05:00	10:00	00:00	00:00	00:00	00:00	00:00
	1	0.0	32.5	0.0	0	0	0	0	1	1	1	0	0	0	0	0
PM Peak	13:00	18:00	14:00	18:00	12:00	12:00	17:00	13:00	16:00	13:00	13:00	12:00	12:00	12:00	12:00	12:00
	6	34.8	32.5	7.1	0	0	1	1	2	2	2	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5-10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	2	22.5	22.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
10:00	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	2	22.5	22.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
13:00	12	32.4	26.7	5.6	0	0	0	2	2	4	4	0	0	0	0	0
14:00	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
15:00	6	31.8	29.2	2.6	0	0	0	0	0	4	2	0	0	0	0	0
16:00	6	26.8	24.2	2.6	0	0	0	0	4	2	0	0	0	0	0	0
17:00	4	18.0	15.0	2.9	0	0	2	2	0	0	0	0	0	0	0	0
18:00	4	33.5	27.5	5.8	0	0	0	0	2	0	2	0	0	0	0	0
19:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
2H(14-16)	8	32.8	30.0	2.7	0	0	0	0	0	4	4	0	0	0	0	0
12H(7-19)	42	31.7	25.8	5.7	0	0	2	4	12	12	12	0	0	0	0	0
24H(0-24)	46	31.6	26.0	5.5	0	0	2	4	12	16	12	0	0	0	0	0
AM Peak	05:00	10:00	10:00	05:00	00:00	00:00	00:00	00:00	09:00	05:00	10:00	00:00	00:00	00:00	00:00	00:00
	2	32.5	32.5	0.0	0	0	0	0	2	2	2	0	0	0	0	0
PM Peak	13:00	18:00	14:00	18:00	12:00	12:00	17:00	13:00	16:00	13						

Muingmore ATC 3

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
10:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
11:00	3	33.7	25.8	7.6	0	0	0	1	0	1	1	0	0	0	0	0
12:00	3	36.5	27.5	8.7	0	0	0	0	2	0	0	1	0	0	0	0
13:00	4	31.7	27.5	4.1	0	0	0	0	1	2	1	0	0	0	0	0
14:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
15:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
16:00	8	31.8	25.6	5.9	0	0	1	0	1	5	1	0	0	0	0	0
17:00	7	30.4	23.9	6.3	0	0	0	3	0	3	1	0	0	0	0	0
18:00	3	35.2	29.2	5.8	0	0	0	0	1	0	2	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	5	31.4	25.5	5.7	0	0	0	1	1	2	1	0	0	0	0	0
2H(14-16)	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
12H(7-19)	36	31.5	26.0	5.3	0	0	1	4	8	16	6	1	0	0	0	0
24H(0-24)	37	31.4	25.7	5.4	0	0	1	5	8	16	6	1	0	0	0	0
AM Peak	11:00	11:00	09:00	11:00	00:00	00:00	00:00	06:00	07:00	09:00	11:00	00:00	00:00	00:00	00:00	00:00
	3	33.7	27.5	7.6	0	0	0	1	0	2	1	0	0	0	0	0
PM Peak	16:00	12:00	18:00	12:00	12:00	12:00	16:00	17:00	12:00	16:00	18:00	12:00	12:00	12:00	12:00	12:00
	8	36.5	29.2	8.7	0	0	1	3	2	5	2	1	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
10:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
11:00	3	33.7	25.8	7.6	0	0	0	1	0	1	1	0	0	0	0	0
12:00	3	36.5	27.5	8.7	0	0	0	0	2	0	0	1	0	0	0	0
13:00	4	31.7	27.5	4.1	0	0	0	0	1	2	1	0	0	0	0	0
14:00	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
15:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
16:00	8	31.8	25.6	5.9	0	0	1	0	1	5	1	0	0	0	0	0
17:00	7	30.4	23.9	6.3	0	0	0	3	0	3	1	0	0	0	0	0
18:00	3	35.2	29.2	5.8	0	0	0	0	1	0	2	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	5	31.4	25.5	5.7	0	0	0	1	1	2	1	0	0	0	0	0
2H(14-16)	2	28.7	25.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
12H(7-19)	36	31.5	26.0	5.3	0	0	1	4	8	16	6	1	0	0	0	0
24H(0-24)	37	31.4	25.7	5.4	0	0	1	5	8	16	6	1	0	0	0	0
AM Peak	11:00	11:00	09:00	11:00	00:00	00:00	00:00	06:00	07:00	09:00	11:00	00:00	00:00	00:00	00:00	00:00
	3	33.7	27.5	7.6	0	0	0	1	0	2	1	0	0	0	0	0
PM Peak	16:00	12:00	18:00	12:00	12:00	12:00	16:00	17:00	12:00	16:00	18:00	12:00	12:00	12:00	12:00	12:00
	8	36.5	29.2	8.7	0	0	1	3	2	5	2	1	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<25	Bin 6 25<30	Bin 7 30<35	Bin 8 35<40	Bin 9 40<45	Bin 10 45<50	Bin 11 50<55	Bin 12 >=55
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	17.5	17.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
07:00	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	4	27.5	27.5	0.0	0	0	0	0	0	4	0	0	0	0	0	0
10:00	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
11:00	6	32.9	25.8	6.8	0	0	0	2	0	2	2	0	0	0	0	0
12:00	6	35.5	27.5	7.7	0	0	0	0	4	0	0	2	0	0	0	0
13:00	8	31.4	27.5	3.8	0	0	0	0	2	4	2	0	0	0	0	0
14:00	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
15:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
16:00	16	31.6	25.6	5.7	0	0	2	0	2	10	2	0	0	0	0	0
17:00	14	30.2	23.9	6.0	0	0	0	6	0	6	2	0	0	0	0	0
18:00	6	34.5	29.2	5.2	0	0	0	0	2	0	4	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	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	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)	10	31.1	25.5	5.4	0	0	0	2	2	4	2	0	0	0	0	0
2H(14-16)	4	28.0	25.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
12H(7-19)	72	31.4	26.0	5.3	0	0	2	8	16	32	12	2	0	0	0	0
24H(0-24)	74	31.3	25.7	5.4	0	0	2	10	16	32	12	2	0	0	0	0
AM Peak																