

Tween Bridge Solar Farm

Environmental Statement

Appendix 12.3: Baseline Traffic Survey Report

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms
and Procedure) Regulations 2009

APFP Regulation 5(2)(a)

Document Reference: 6.3.12.3

August 2025

Revision 1

Baseline Traffic Survey Report.

Tween Bridge Solar Farm.

On behalf of RWE Renewables UK Solar and Storage Ltd.

Date: August 2025 | Pegasus Ref: P21-3484 TR04



Document Management.

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Appendix T PRow Survey Reports

1. Introduction

- 1.1. This Baseline Traffic Survey Report (BTSR) has been prepared by Pegasus Group on behalf of RWE Renewables UK Solar and Storage Ltd (the Applicant) in order to address the traffic and transportation issues associated with the construction, operation, maintenance and decommissioning of a ground mounted solar park with an intended design capacity of over 50MWp (megawatts peak), and a battery energy storage facility with an export/import connection to the National Grid (referred to within this document as “the Scheme”). Further details of the proposal and the technology used together with the proposed Scheme layout are provided separately as part of the DCO documentation.
- 1.2. The Scheme is located within the Yorkshire and Humber regions. The Order Limits extends to approximately 1,831 hectares, centred at approximately 10 kilometres to the northeast of Doncaster and 14 kilometres to the west of Scunthorpe. From the largest development parcel, Junction 5 of the M18 is approximately 2.5 kilometres to the west and Junction 1 of the M180 is approximately four kilometres to the southwest.
- 1.3. Due to the size of the Scheme and the number of associated Land Parcels, access during the construction and operational phases will be provided in a number of locations.
- 1.4. This BTSR describes the baseline traffic surveys that were undertaken to support the DCO and sets out the following:
 - i. The type of surveys undertaken.
 - ii. Survey locations.
 - iii. Survey results.

2. Baseline Traffic Surveys

- 2.1. Automatic Traffic Count (ATC) surveys were undertaken at key locations across the local highway network in the vicinity of the Scheme, with reference to the proposed access points and construction traffic routing. ATC surveys record traffic flows and vehicle speeds.
- 2.2. In total, 19 seven day ATC surveys were undertaken between the 6th and 12th of June 2023 further to agreement with Doncaster Council and North Lincolnshire Council. The survey locations are summarised in **Table 2.1** below and shown indicatively at **Figure 2.1 – Scheme Location and Automatic Traffic Count Survey Locations of this document**.

Table 2.1 – Location of ATCs

Link	Description
1	Marshland Road north of the junction with The Avenue.
2	North Common Road east of the junction with Mount Pleasant Road.
3	A614, Selby Road south of the junction with North Common Road.
4	Marshland Road north of the junction with Broadbent Gate Road.
5	Coulman Street north of the Church Balk/Coulman Street/Moor Edges Road/Wike Gate Road Junction.
6	Moor Edges Road east of the Church Balk/Coulman Street/Moor Edges Road/Wike Gate Road Junction.
7	High Bridge Road southeast of the junction with Moor Road.
8	Green Bank south of Clay Bank Road.
9	A614, Tudworth Road north of the Tudworth Roundabout.
10	A161, Eastoft Road in between the Eastoft Road bus stop and the junction with Carr Lane.
11	A161, Wharf Road near the Park View bus stops.
12	A18, High Levels Bank east of the Tudworth Roundabout.
13	A18, Tudworth Road south of the Tudworth Roundabout.
14	A18, High Levels Bank east of the Black Bull Inn.
15	A18, Tudworth Road northeast of the junction with Sandtoft Road.
16	A18 near Triangles Farm, southwest of Ealand.
17	Sandtoft Road east of the junction with A18, Sandtoft Road.

18	Low Levels Bank west of the junction with Moor Lane/Crow Tree Bank
19	Marsh Road west of the junction between Windsor Road/Cross Street.

- 2.3. The full reports containing the raw survey data for each of the ATC surveys are contained within **Appendix A to Appendix S** respectively.
- 2.4. Each of the ATC locations corresponds with the highway links assessed within **ES Chapter 12 Transport and Access [Document Reference 6.1.12]**.

3. Baseline Public Right of Way Surveys

- 3.1. A number of Public Rights of Way (PRoW) route through and abut the Order Limits, these are shown on **Figure 2.1 – Scheme Location and Automatic Traffic Count Survey Locations** of this document, and summarised in **Table 3.1**.

Table 3.1 – PRoW within and adjacent to the Order Limits

PRoW Name	Type of PRoW	Responsible Authority
Thorne 15	Footpath	Doncaster Council
Thorne 19	Footpath	Doncaster Council
CROW 18	Bridleway	North Lincolnshire
CROW 21	Byway open to all traffic	North Lincolnshire
BELT 21	Footpath	North Lincolnshire

- 3.2. The Stainforth and Keadby Canal path also routes within the vicinity of the Order Limits, to the south of Land Area A. This has also been considered.
- 3.3. 24 hour user surveys of the Thorne 15, Thorne 19, and CROW 21 PRoW routes and the Canal Path have been carried out by an independent surveyor on Thursday 16 and Saturday 18 May 2024. Further to correspondence with NLC PRoW officers in February 2024, it was agreed that undertaking the surveys in Spring/Summer would yield results which reflect peak usage. The results of the surveys are summarised in **Table 3.2**, with the survey data included at **Appendix T**.

Table 3.2 – PRoW Usage (Two-Way)

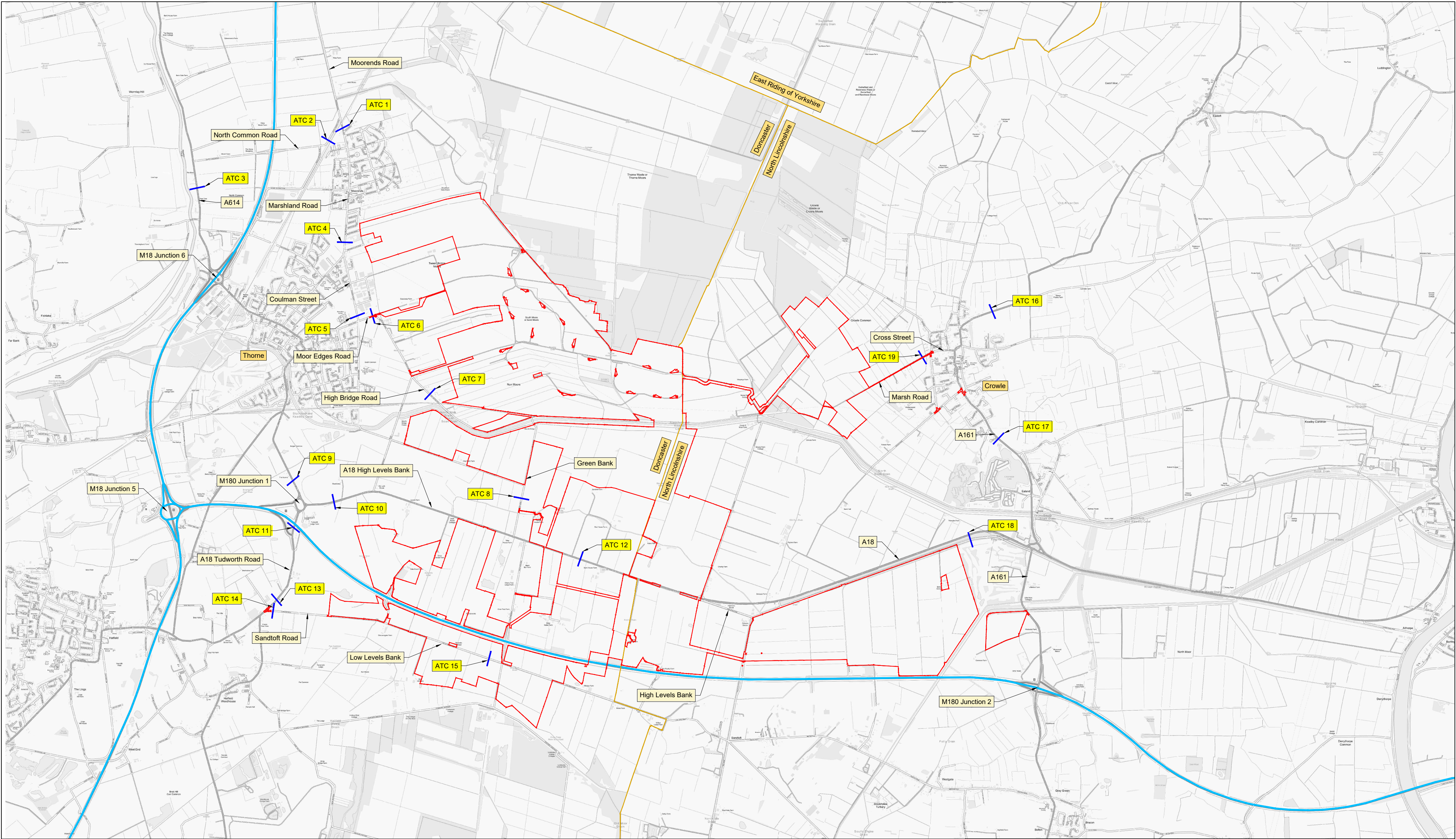
User	Thursday 16 May 2024		Saturday 18 May 2024	
	Hourly Max	Daily Total	Hourly Max	Daily Total
	Thorne 15			
Pedestrian	3	8	3	12
Cycle	1	2	1	1
Equestrian	0	0	0	0



User	Thursday 16 May 2024		Saturday 18 May 2024	
	Hourly Max	Daily Total	Hourly Max	Daily Total
	Thorne 19			
Pedestrian	4	10	3	12
Cycle	0	0	1	1
Equestrian	0	0	0	0
	CROW 21			
Pedestrian	5	13	10	28
Cycle	2	4	2	4
Equestrian	0	0	1	1
	Stainforth and Keadby Canal Path			
Pedestrian	2	4	0	0
Cycle	0	0	0	0
Equestrian	0	0	0	0

Figure 2.1 – Scheme Location and Automatic Traffic Count Survey Locations

X:\BRISTOL PROJECTS\BRISTOL - LIVE PROJECTS\PI2\PI21-3401-3500\PI21-3484 - RWE - TWEEN BRIDGE SOLAR FARM\DRAWINGS\TRAFFIC SURVEY\PI21-3484-FIGURE 2.1 - ATC LOCATIONS.FINAL AUG25.DWG



- Key:
- Order Limits
 - Motorway
 - Indicative Automatic Traffic Count Survey Locations
 - Local Authority Boundaries



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REV	DATE	BY	DESCRIPTION	CHK	APD
CLIENT: RWE RENEWABLES UK SOLAR AND STORAGE LTD			SCALE @ A2: NTS	CHECKED: ADWS	APPROVED: KSS
PROJECT: TWEEN BRIDGE SOLAR FARM			DATE: 19/08/2025	DESIGN-DRAWN: LT	DRAWING-STATUS: FINAL
TITLE: SCHEME LOCATION AND AUTOMATIC TRAFFIC COUNT LOCATIONS			PROJECT No: P21-3484	DRAWING No: FIGURE 2.1	REV: 1
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Appendix A: Automatic Traffic Survey Reports – Link 1

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	12	8	11	8	16	18	9	10	12
01:00	9	6	10	6	6	10	5	7	7
02:00	7	5	4	6	6	7	4	5	6
03:00	6	6	5	5	4	3	1	5	4
04:00	7	4	3	5	3	3	9	6	5
05:00	24	20	27	23	12	10	27	24	20
06:00	39	44	47	47	38	16	37	43	38
07:00	81	83	104	84	30	28	80	86	70
08:00	123	111	124	109	75	53	102	114	100
09:00	90	126	111	109	89	62	89	105	97
10:00	112	92	90	101	123	113	104	100	105
11:00	106	97	102	118	135	118	97	104	110
12:00	120	143	107	155	147	130	115	128	131
13:00	127	123	145	175	151	109	138	142	138
14:00	197	169	232	195	172	146	172	193	183
15:00	194	166	193	227	133	129	164	189	172
16:00	281	273	266	213	141	105	254	257	219
17:00	309	292	287	212	123	156	295	279	239
18:00	159	179	174	154	104	92	387	211	178
19:00	97	136	126	123	75	76	236	144	124
20:00	81	94	80	94	79	69	231	116	104
21:00	57	65	69	52	46	44	133	75	67
22:00	53	59	59	55	42	33	104	66	58
23:00	23	35	32	17	17	11	47	31	26
Total									
12H(7-19)	1899	1854	1935	1852	1423	1241	1997	1907	1743
16H(6-22)	2173	2193	2257	2168	1661	1446	2634	2285	2076
18H(6-24)	2249	2287	2348	2240	1720	1490	2785	2382	2160
24H(0-24)	2314	2335	2408	2293	1767	1541	2840	2438	2214
AM Peak	08:00	09:00	08:00	11:00	11:00	11:00	10:00	08:00	11:00
	123	126	124	118	135	118	104	114	110
PM Peak	17:00	17:00	17:00	15:00	14:00	17:00	18:00	17:00	17:00
	309	292	287	227	172	156	387	279	239

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Direction: Northbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	7	6	2	5	9	11	7	5	7
01:00	7	5	2	0	5	1	0	3	3
02:00	9	1	7	1	1	7	3	4	4
03:00	2	5	7	9	6	1	6	6	5
04:00	29	31	21	28	13	10	31	28	23
05:00	126	132	144	158	50	33	148	142	113
06:00	144	196	206	174	61	94	147	173	137
07:00	200	262	251	233	93	50	209	231	185
08:00	198	230	221	228	105	119	167	209	181
09:00	140	165	139	126	158	100	112	136	134
10:00	131	125	116	128	153	133	133	127	131
11:00	118	105	118	135	164	117	102	116	123
12:00	117	136	166	130	149	157	99	130	136
13:00	149	143	173	155	149	149	127	149	149
14:00	125	116	128	121	127	104	135	125	122
15:00	159	156	171	172	115	91	140	160	143
16:00	175	147	169	170	103	82	159	164	144
17:00	130	157	155	157	96	99	186	157	140
18:00	124	116	111	134	76	72	242	145	125
19:00	97	94	89	113	63	85	245	128	112
20:00	48	54	68	53	52	31	157	76	66
21:00	49	60	74	60	40	28	145	78	65
22:00	10	19	26	26	27	24	59	28	27
23:00	4	12	10	19	15	3	33	16	14
Total									
12H(7-19)	1766	1858	1918	1889	1488	1273	1811	1848	1715
16H(6-22)	2104	2262	2355	2289	1704	1451	2505	2303	2096
18H(6-24)	2118	2293	2391	2334	1746	1478	2597	2347	2137
24H(0-24)	2298	2473	2574	2535	1830	1541	2792	2534	2292
AM Peak	07:00	07:00	07:00	07:00	11:00	10:00	07:00	07:00	07:00
	200	262	251	233	164	133	209	231	185
PM Peak	16:00	17:00	13:00	15:00	12:00	12:00	19:00	16:00	13:00
	175	157	173	172	149	157	245	164	149

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	19	14	13	13	25	29	16	15	18
01:00	16	11	12	6	11	11	5	10	10
02:00	16	6	11	7	7	14	7	9	10
03:00	8	11	12	14	10	4	7	10	9
04:00	36	35	24	33	16	13	40	34	28
05:00	150	152	171	181	62	43	175	166	133
06:00	183	240	253	221	99	50	184	216	176
07:00	281	345	355	317	123	78	289	317	255
08:00	321	341	345	337	180	172	269	323	281
09:00	230	291	250	235	247	162	201	241	231
10:00	243	217	206	229	276	246	237	226	236
11:00	224	202	220	253	299	235	199	220	233
12:00	237	279	273	285	296	287	214	258	267
13:00	276	266	318	330	300	258	265	291	288
14:00	322	285	360	316	299	250	307	318	306
15:00	353	322	364	399	248	220	304	348	315
16:00	456	420	435	383	244	187	413	421	363
17:00	439	449	442	369	219	255	481	436	379
18:00	283	295	285	288	180	164	629	356	303
19:00	194	230	215	236	138	161	481	271	236
20:00	129	148	148	147	131	100	388	192	170
21:00	106	125	143	112	86	72	278	153	132
22:00	63	78	85	81	69	57	163	94	85
23:00	27	47	42	36	32	14	80	46	40
Total									
12H(7-19)	3665	3712	3853	3741	2911	2514	3808	3756	3458
16H(6-22)	4277	4455	4612	4457	3365	2897	5139	4588	4172
18H(6-24)	4367	4580	4739	4574	3466	2968	5382	4728	4297
24H(0-24)	4612	4809	4982	4828	3597	3082	5632	4973	4506
AM Peak	08:00	07:00	07:00	08:00	11:00	10:00	07:00	08:00	08:00
	321	345	355	337	299	246	289	323	281
PM Peak	16:00	17:00	17:00	15:00	13:00	12:00	18:00	17:00	17:00
	456	449	442	399	300	287	629	436	379

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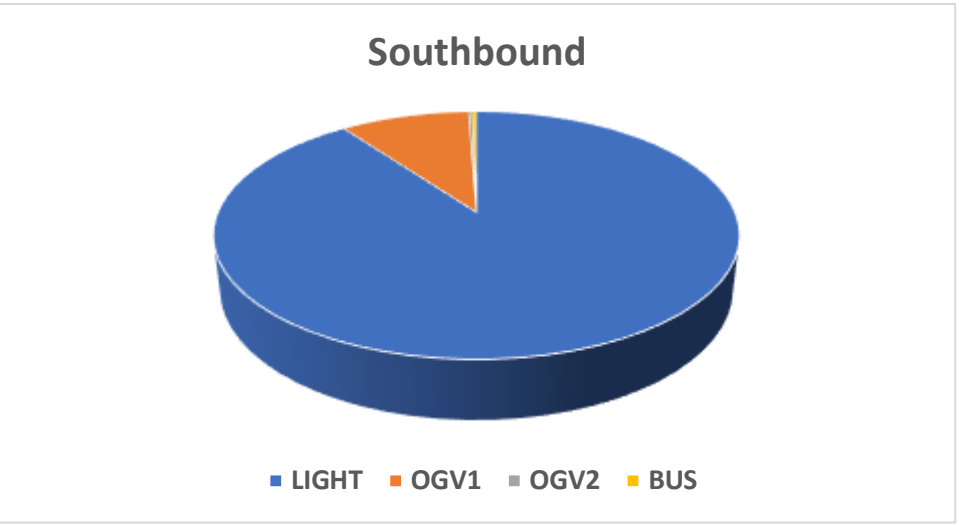


Tween Bridge ATC 1, Marshland Road

Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2314	2100	201	6	7
Wed 7 Jun 2023	2336	2131	190	7	8
Thu 8 Jun 2023	2408	2154	239	5	10
Fri 9 Jun 2023	2293	2048	229	9	7
Sat 10 Jun 2023	1767	1603	156	4	4
Sun 11 Jun 2023	1541	1392	144	3	2
Mon 12 Jun 2023	2840	2511	310	8	11
5 Day Ave.	2438	2189	234	7	9
7 Day Ave.	2214	1991	210	6	7

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	90.8%	8.7%	0.3%	0.3%
Wed 7 Jun 2023	100.0%	91.2%	8.1%	0.3%	0.3%
Thu 8 Jun 2023	100.0%	89.5%	9.9%	0.2%	0.4%
Fri 9 Jun 2023	100.0%	89.3%	10.0%	0.4%	0.3%
Sat 10 Jun 2023	100.0%	90.7%	8.8%	0.2%	0.2%
Sun 11 Jun 2023	100.0%	90.3%	9.3%	0.2%	0.1%
Mon 12 Jun 2023	100.0%	88.4%	10.9%	0.3%	0.4%
5 Day Ave.	100.0%	89.8%	9.6%	0.3%	0.4%
7 Day Ave.	100.0%	89.9%	9.5%	0.3%	0.3%

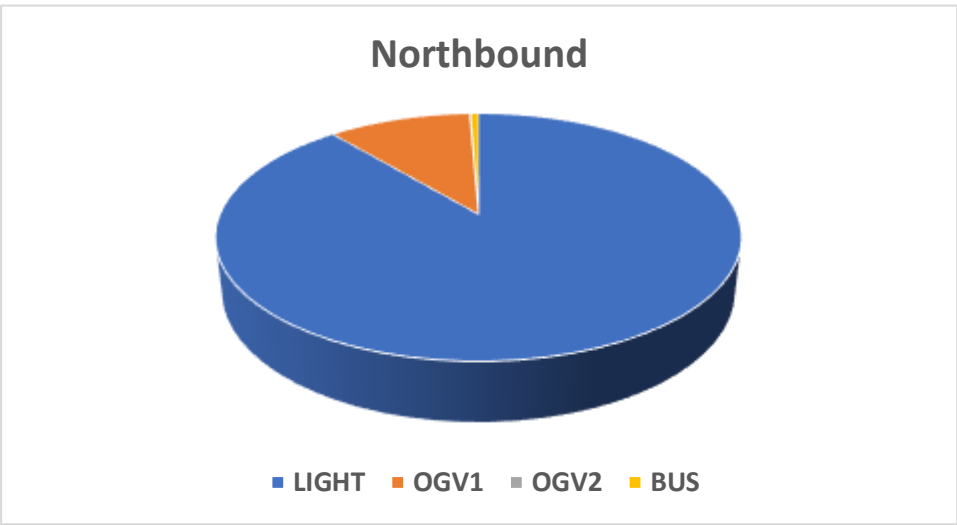
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Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2298	2058	228	1	11
Wed 7 Jun 2023	2473	2264	196	4	9
Thu 8 Jun 2023	2574	2360	202	2	10
Fri 9 Jun 2023	2535	2280	240	3	12
Sat 10 Jun 2023	1830	1611	211	2	6
Sun 11 Jun 2023	1541	1331	198	3	9
Mon 12 Jun 2023	2792	2353	405	3	31
5 Day Ave.	2534	2263	254	3	15
7 Day Ave.	2292	2037	240	3	13

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	89.6%	9.9%	0.0%	0.5%
Wed 7 Jun 2023	100.0%	91.5%	7.9%	0.2%	0.4%
Thu 8 Jun 2023	100.0%	91.7%	7.8%	0.1%	0.4%
Fri 9 Jun 2023	100.0%	89.9%	9.5%	0.1%	0.5%
Sat 10 Jun 2023	100.0%	88.0%	11.5%	0.1%	0.3%
Sun 11 Jun 2023	100.0%	86.4%	12.8%	0.2%	0.6%
Mon 12 Jun 2023	100.0%	84.3%	14.5%	0.1%	1.1%
5 Day Ave.	100.0%	89.3%	10.0%	0.1%	0.6%
7 Day Ave.	100.0%	88.9%	10.5%	0.1%	0.5%

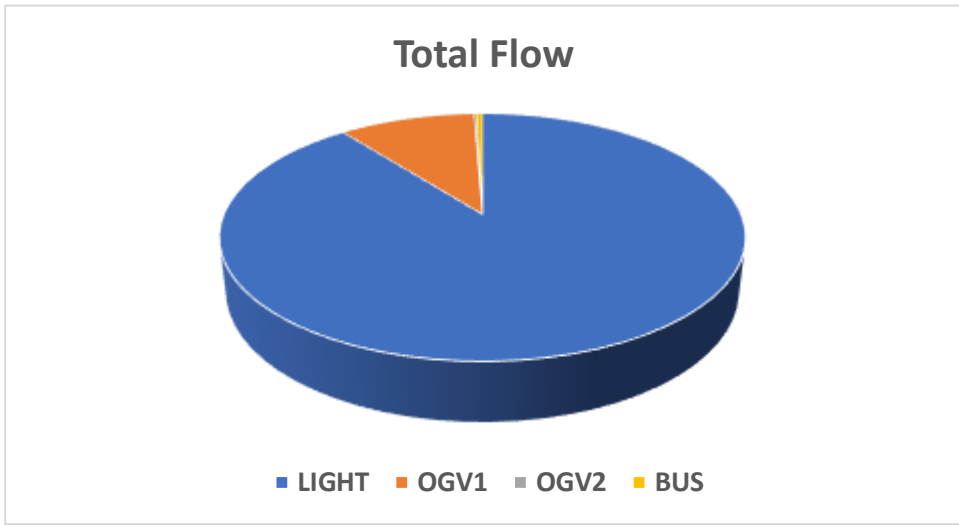
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4612	4158	429	7	18
Wed 7 Jun 2023	4809	4395	386	11	17
Thu 8 Jun 2023	4982	4514	441	7	20
Fri 9 Jun 2023	4828	4328	469	12	19
Sat 10 Jun 2023	3597	3214	367	6	10
Sun 11 Jun 2023	3082	2723	342	6	11
Mon 12 Jun 2023	5632	4864	715	11	42
5 Day Ave.	4973	4452	488	10	23
7 Day Ave.	4506	4028	450	9	20

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	90.2%	9.3%	0.2%	0.4%
Wed 7 Jun 2023	100.0%	91.4%	8.0%	0.2%	0.4%
Thu 8 Jun 2023	100.0%	90.6%	8.9%	0.1%	0.4%
Fri 9 Jun 2023	100.0%	89.6%	9.7%	0.2%	0.4%
Sat 10 Jun 2023	100.0%	89.4%	10.2%	0.2%	0.3%
Sun 11 Jun 2023	100.0%	88.4%	11.1%	0.2%	0.4%
Mon 12 Jun 2023	100.0%	86.4%	12.7%	0.2%	0.7%
5 Day Ave.	100.0%	89.5%	9.8%	0.2%	0.5%
7 Day Ave.	100.0%	89.4%	10.0%	0.2%	0.4%

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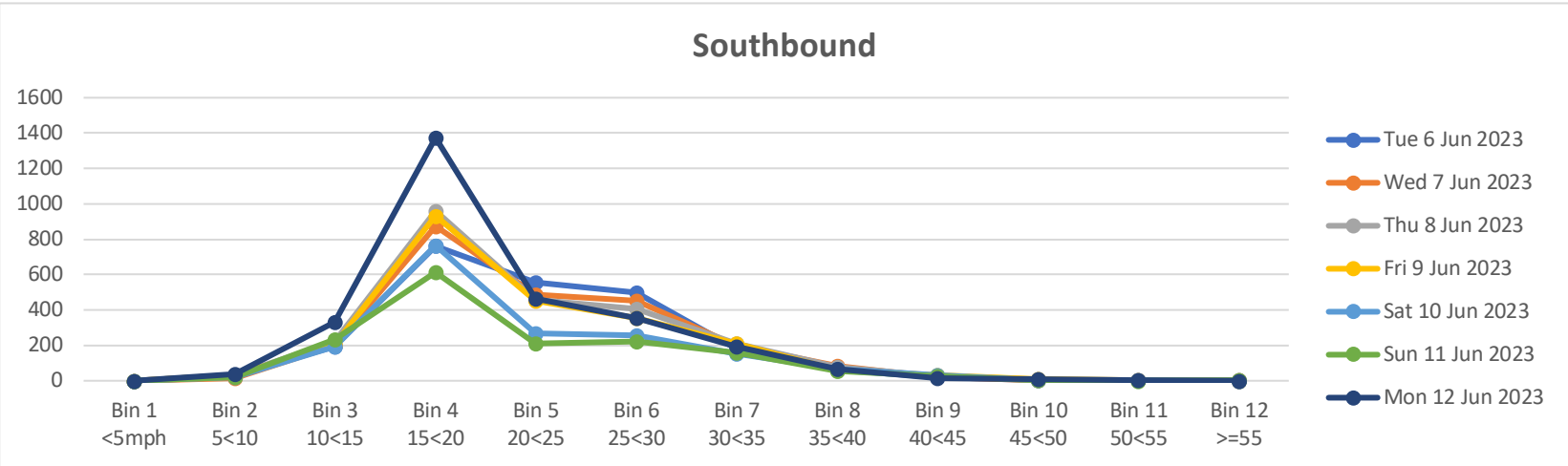


Tween Bridge ATC 1, Marshland Road

Direction: Southbound

	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
Tue 6 Jun 2023	2314	29.2	22.3	6.7	0	32	196	761	558	496	183	63	20	2	2	1
Wed 7 Jun 2023	2336	29.4	22.3	6.8	0	16	201	874	488	450	197	83	19	4	3	1
Thu 8 Jun 2023	2408	29.3	21.9	7.1	0	33	223	960	459	407	211	78	24	6	5	2
Fri 9 Jun 2023	2293	29.2	21.9	7.1	0	31	206	933	452	353	213	62	32	6	5	0
Sat 10 Jun 2023	1767	29.4	21.7	7.4	0	21	196	765	270	259	150	66	31	4	5	0
Sun 11 Jun 2023	1541	29.4	21.5	7.6	0	20	231	613	212	221	158	55	25	5	0	1
Mon 12 Jun 2023	2840	27.2	20.5	6.5	0	39	331	1374	463	355	191	64	15	7	1	0
5 Day Ave.	2438	28.9	21.8	6.8	0	30	231	980	484	412	199	70	22	5	3	1
7 Day Ave.	2214	29.0	21.7	7.0	0	27	226	897	415	363	186	67	24	5	3	1

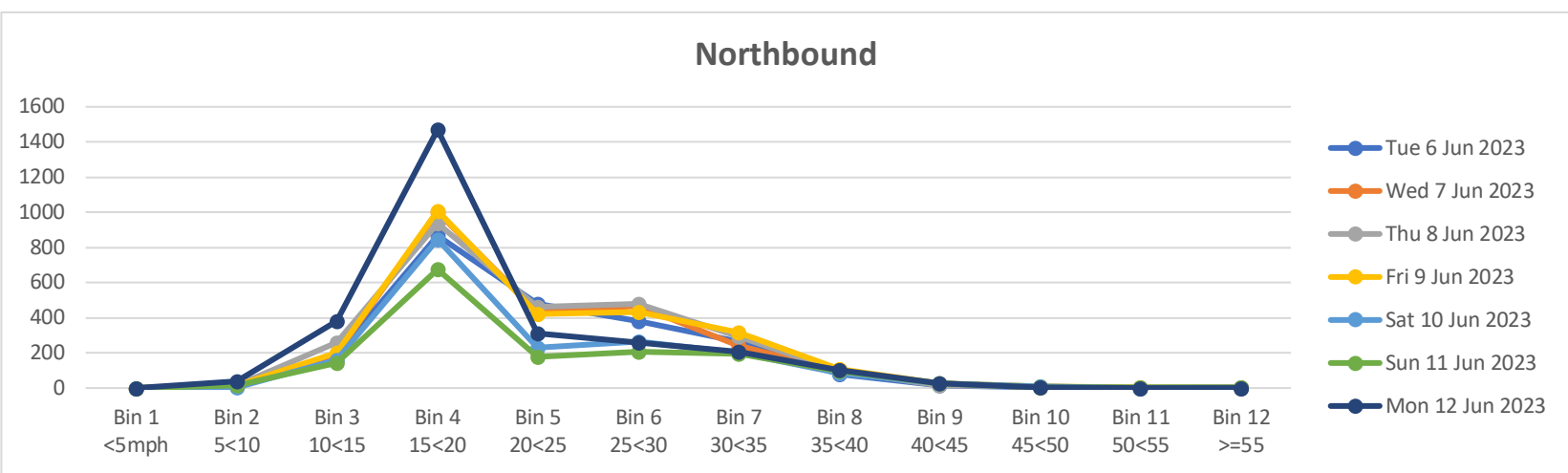
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Direction: Northbound

	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
Tue 6 Jun 2023	2298	29.6	22.4	7.0	0	18	191	867	478	378	265	77	16	2	4	2
Wed 7 Jun 2023	2473	29.6	22.4	6.9	0	8	193	1001	434	467	244	96	25	4	0	1
Thu 8 Jun 2023	2574	29.8	22.4	7.1	0	18	259	937	463	480	293	98	18	7	0	1
Fri 9 Jun 2023	2535	30.1	22.7	7.2	0	14	198	1009	423	432	318	107	24	8	2	0
Sat 10 Jun 2023	1830	29.9	22.2	7.4	0	6	160	846	231	266	202	83	28	8	0	0
Sun 11 Jun 2023	1541	30.8	22.6	7.9	0	14	145	675	179	206	193	95	26	5	2	1
Mon 12 Jun 2023	2792	27.4	20.3	6.9	0	36	380	1470	309	260	209	100	24	4	0	0
5 Day Ave.	2534	29.3	22.0	7.0	0	19	244	1057	421	403	266	96	21	5	1	1
7 Day Ave.	2292	29.6	22.1	7.2	0	16	218	972	360	356	246	94	23	5	1	1

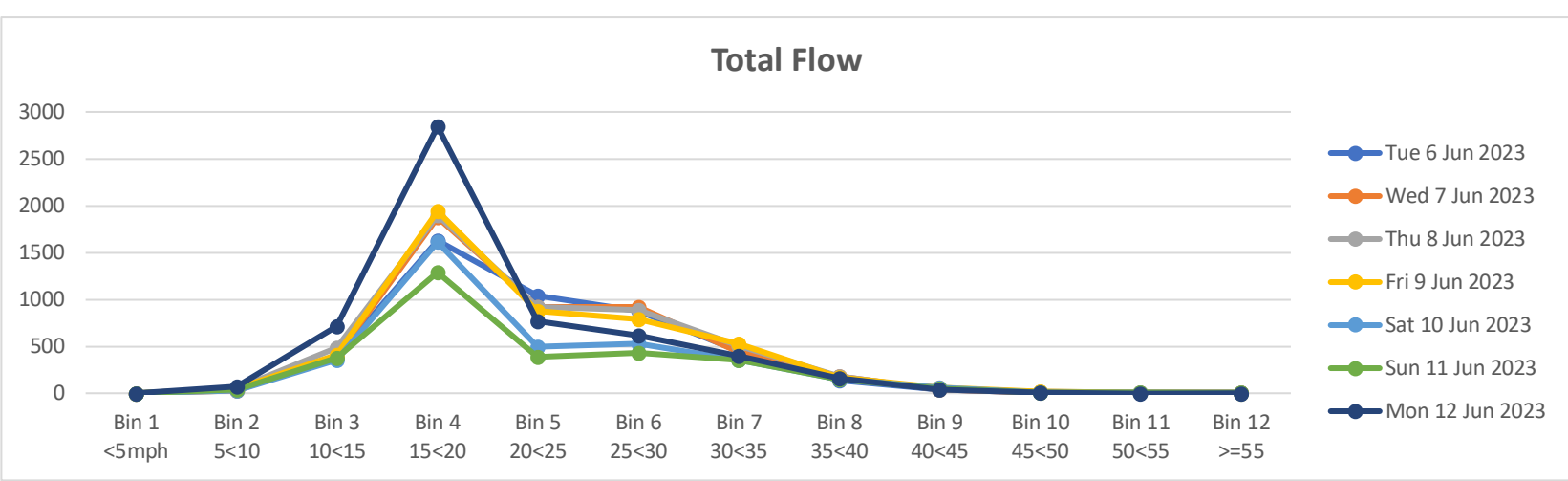
Paul Castle Associates



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
Tue 6 Jun 2023	4612	29.4	22.3	6.8	0	50	387	1628	1036	874	448	140	36	4	6	3
Wed 7 Jun 2023	4809	29.5	22.3	6.9	0	24	394	1875	922	917	441	179	44	8	3	2
Thu 8 Jun 2023	4982	29.6	22.2	7.1	0	51	482	1897	922	887	504	176	42	13	5	3
Fri 9 Jun 2023	4828	29.7	22.3	7.2	0	45	404	1942	875	785	531	169	56	14	7	0
Sat 10 Jun 2023	3597	29.6	21.9	7.4	0	27	356	1611	501	525	352	149	59	12	5	0
Sun 11 Jun 2023	3082	30.1	22.0	7.8	0	34	376	1288	391	427	351	150	51	10	2	2
Mon 12 Jun 2023	5632	27.3	20.4	6.7	0	75	711	2844	772	615	400	164	39	11	1	0
5 Day Ave.	4973	29.1	21.9	6.9	0	49	476	2037	905	816	465	166	43	10	4	2
7 Day Ave.	4506	29.3	21.9	7.1	0	44	444	1869	774	719	432	161	47	10	4	1

Paul Castle Associates



Tween Bridge ATC 1, Marshland Road

Direction: Southbound

	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
Tue 6 Jun 2023	218	25.9	19.5	6.1	0	7	45	76	43	37	9	1	0	0	0	0
Wed 7 Jun 2023	189	29.1	22.5	6.4	0	4	16	52	45	53	15	3	1	0	0	0
Thu 8 Jun 2023	192	28.1	21.5	6.4	0	3	19	72	39	43	13	0	3	0	0	0
Fri 9 Jun 2023	219	29.1	22.0	6.8	0	5	22	66	57	46	14	7	1	1	0	0
Sat 10 Jun 2023	258	28.4	20.9	7.3	0	6	29	124	33	36	20	5	3	0	2	0
Sun 11 Jun 2023	231	27.8	21.0	6.6	0	0	25	115	34	24	27	4	2	0	0	0
Mon 12 Jun 2023	201	27.8	20.7	6.9	0	3	34	84	21	38	14	7	0	0	0	0
5 Day Ave.	204	28.0	21.2	6.5	0	4	27	70	41	43	13	4	1	0	0	0
7 Day Ave.	215	28.0	21.2	6.6	0	4	27	84	39	40	16	4	1	0	0	0

Paul Castle Associates

Direction: Northbound

	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
Tue 6 Jun 2023	249	29.7	22.6	6.9	0	5	14	87	60	47	26	7	2	0	1	0
Wed 7 Jun 2023	230	29.7	22.4	7.0	0	1	26	83	31	57	19	12	1	0	0	0
Thu 8 Jun 2023	234	28.4	21.8	6.4	0	0	30	81	42	58	17	6	0	0	0	0
Fri 9 Jun 2023	263	27.5	20.6	6.6	0	3	37	121	36	38	19	8	1	0	0	0
Sat 10 Jun 2023	317	28.3	21.2	6.9	0	0	45	145	34	53	26	12	1	1	0	0
Sun 11 Jun 2023	250	28.8	21.4	7.2	0	1	29	123	30	23	29	14	1	0	0	0
Mon 12 Jun 2023	235	29.5	21.9	7.3	0	1	24	108	27	35	26	11	3	0	0	0
5 Day Ave.	242	29.0	21.9	6.8	0	2	26	96	39	47	21	9	1	0	0	0
7 Day Ave.	254	28.9	21.7	6.9	0	2	29	107	37	44	23	10	1	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
Tue 6 Jun 2023	467	28.1	21.2	6.7	0	12	59	163	103	84	35	8	2	0	1	0
Wed 7 Jun 2023	419	29.5	22.5	6.7	0	5	42	135	76	110	34	15	2	0	0	0
Thu 8 Jun 2023	426	28.3	21.7	6.4	0	3	49	153	81	101	30	6	3	0	0	0
Fri 9 Jun 2023	482	28.2	21.2	6.7	0	8	59	187	93	84	33	15	2	1	0	0
Sat 10 Jun 2023	575	28.4	21.0	7.1	0	6	74	269	67	89	46	17	4	1	2	0
Sun 11 Jun 2023	481	28.4	21.2	6.9	0	1	54	238	64	47	56	18	3	0	0	0
Mon 12 Jun 2023	436	28.7	21.3	7.1	0	4	58	192	48	73	40	18	3	0	0	0
5 Day Ave.	446	28.6	21.6	6.7	0	6	53	166	80	90	34	12	2	0	0	0
7 Day Ave.	469	28.5	21.4	6.8	0	6	56	191	76	84	39	14	3	0	0	0

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

	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
Tue 6 Jun 2023	391	30.3	23.4	6.7	0	1	24	125	82	102	37	13	7	0	0	0
Wed 7 Jun 2023	335	28.8	21.9	6.7	0	2	39	119	69	61	37	7	0	0	1	0
Thu 8 Jun 2023	425	28.6	21.4	7.0	0	3	52	177	78	58	40	10	6	1	0	0
Fri 9 Jun 2023	422	27.7	20.9	6.5	0	5	43	195	75	62	33	3	4	1	1	0
Sat 10 Jun 2023	305	28.5	20.8	7.4	0	4	45	145	34	39	18	15	4	0	1	0
Sun 11 Jun 2023	275	28.9	21.1	7.5	0	4	47	105	41	40	25	7	5	1	0	0
Mon 12 Jun 2023	336	28.4	21.1	7.0	0	4	41	154	50	43	28	12	3	1	0	0
5 Day Ave.	382	28.8	21.7	6.8	0	3	40	154	71	65	35	9	4	1	0	0
7 Day Ave.	356	28.7	21.5	7.0	0	3	42	146	61	58	31	10	4	1	0	0

Paul Castle Associates

Direction: Northbound

	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
Tue 6 Jun 2023	284	29.0	22.4	6.4	0	2	15	119	50	60	27	11	0	0	0	0
Wed 7 Jun 2023	272	29.2	22.2	6.8	0	0	24	114	44	50	28	9	3	0	0	0
Thu 8 Jun 2023	299	29.5	21.8	7.4	0	6	34	125	34	47	39	12	2	0	0	0
Fri 9 Jun 2023	293	29.9	22.4	7.3	0	2	22	128	46	44	33	12	5	1	0	0
Sat 10 Jun 2023	242	28.9	21.7	6.9	0	1	15	127	32	30	24	9	4	0	0	0
Sun 11 Jun 2023	195	30.9	22.9	7.7	0	3	19	71	28	32	29	9	4	0	0	0
Mon 12 Jun 2023	275	29.4	21.5	7.7	0	12	24	125	28	38	33	12	3	0	0	0
5 Day Ave.	285	29.4	22.0	7.1	0	4	24	122	40	48	32	11	3	0	0	0
7 Day Ave.	266	29.5	22.1	7.2	0	4	22	116	37	43	30	11	3	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
Tue 6 Jun 2023	675	29.8	22.9	6.6	0	3	39	244	132	162	64	24	7	0	0	0
Wed 7 Jun 2023	607	29.0	22.0	6.7	0	2	63	233	113	111	65	16	3	0	1	0
Thu 8 Jun 2023	724	29.0	21.6	7.1	0	9	86	302	112	105	79	22	8	1	0	0
Fri 9 Jun 2023	715	28.7	21.5	6.9	0	7	65	323	121	106	66	15	9	2	1	0
Sat 10 Jun 2023	547	28.7	21.2	7.2	0	5	60	272	66	69	42	24	8	0	1	0
Sun 11 Jun 2023	470	29.8	21.9	7.6	0	7	66	176	69	72	54	16	9	1	0	0
Mon 12 Jun 2023	611	28.8	21.2	7.3	0	16	65	279	78	81	61	24	6	1	0	0
5 Day Ave.	666	29.0	21.9	6.9	0	7	64	276	111	113	67	20	7	1	0	0
7 Day Ave.	621	29.1	21.8	7.1	0	7	63	261	99	101	62	20	7	1	0	0

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

06/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	12	0	0	0
01:00	9	8	1	0	0
02:00	7	6	1	0	0
03:00	6	5	1	0	0
04:00	7	4	3	0	0
05:00	24	23	0	0	1
06:00	39	35	4	0	0
07:00	81	76	4	1	0
08:00	123	105	17	0	1
09:00	90	77	13	0	0
10:00	112	96	15	0	1
11:00	106	91	14	1	0
12:00	120	109	11	0	0
13:00	127	118	8	1	0
14:00	197	186	9	0	2
15:00	194	174	18	1	1
16:00	281	257	22	1	1
17:00	309	277	31	1	0
18:00	159	145	14	0	0
19:00	97	89	8	0	0
20:00	81	77	4	0	0
21:00	57	54	3	0	0
22:00	53	53	0	0	0
23:00	23	23	0	0	0
Total					
12H(7-19)	1899	1711	176	6	6
16H(6-22)	2173	1966	195	6	6
18H(6-24)	2249	2042	195	6	6
24H(0-24)	2314	2100	201	6	7
AM Peak	08:00	08:00	08:00	07:00	05:00
	123	105	17	1	1
PM Peak	17:00	17:00	17:00	13:00	14:00
	309	277	31	1	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	7	7	0	0	0
02:00	9	6	3	0	0
03:00	2	2	0	0	0
04:00	29	29	0	0	0
05:00	126	114	10	0	2
06:00	144	120	24	0	0
07:00	200	170	28	0	2
08:00	198	181	17	0	0
09:00	140	129	10	0	1
10:00	131	110	19	0	2
11:00	118	108	10	0	0
12:00	117	105	12	0	0
13:00	149	136	12	0	1
14:00	125	110	14	0	1
15:00	159	141	18	0	0
16:00	175	154	20	0	1
17:00	130	121	9	0	0
18:00	124	115	7	1	1
19:00	97	88	9	0	0
20:00	48	46	2	0	0
21:00	49	47	2	0	0
22:00	10	10	0	0	0
23:00	4	2	2	0	0
Total					
12H(7-19)	1766	1580	176	1	9
16H(6-22)	2104	1881	213	1	9
18H(6-24)	2118	1893	215	1	9
24H(0-24)	2298	2058	228	1	11
AM Peak	07:00	08:00	07:00	00:00	05:00
	200	181	28	0	2
PM Peak	16:00	16:00	16:00	18:00	13:00
	175	154	20	1	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	19	19	0	0	0
01:00	16	15	1	0	0
02:00	16	12	4	0	0
03:00	8	7	1	0	0
04:00	36	33	3	0	0
05:00	150	137	10	0	3
06:00	183	155	28	0	0
07:00	281	246	32	1	2
08:00	321	286	34	0	1
09:00	230	206	23	0	1
10:00	243	206	34	0	3
11:00	224	199	24	1	0
12:00	237	214	23	0	0
13:00	276	254	20	1	1
14:00	322	296	23	0	3
15:00	353	315	36	1	1
16:00	456	411	42	1	2
17:00	439	398	40	1	0
18:00	283	260	21	1	1
19:00	194	177	17	0	0
20:00	129	123	6	0	0
21:00	106	101	5	0	0
22:00	63	63	0	0	0
23:00	27	25	2	0	0
Total					
12H(7-19)	3665	3291	352	7	15
16H(6-22)	4277	3847	408	7	15
18H(6-24)	4367	3935	410	7	15
24H(0-24)	4612	4158	429	7	18
AM Peak	08:00	08:00	08:00	07:00	05:00
	321	286	34	1	3
PM Peak	16:00	16:00	16:00	13:00	14:00
	456	411	42	1	3

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	6	5	1	0	0
02:00	5	3	2	0	0
03:00	6	6	0	0	0
04:00	4	3	1	0	0
05:00	20	17	1	0	2
06:00	44	41	3	0	0
07:00	83	81	1	1	0
08:00	111	101	10	0	0
09:00	126	115	10	0	1
10:00	92	88	4	0	0
11:00	97	83	12	1	1
12:00	143	125	15	1	2
13:00	123	116	7	0	0
14:00	169	150	19	0	0
15:00	166	142	23	0	1
16:00	273	245	28	0	0
17:00	292	264	26	1	1
18:00	179	168	10	1	0
19:00	136	126	10	0	0
20:00	94	91	1	2	0
21:00	65	61	4	0	0
22:00	59	59	0	0	0
23:00	35	33	2	0	0
Total					
12H(7-19)	1854	1678	165	5	6
16H(6-22)	2193	1997	183	7	6
18H(6-24)	2287	2089	185	7	6
24H(0-24)	2336	2131	190	7	8
AM Peak	09:00	09:00	11:00	07:00	05:00
	126	115	12	1	2
PM Peak	17:00	17:00	16:00	20:00	12:00
	292	264	28	2	2

Paul Castle Associates

Direction: Northbound					
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	5	5	0	0	0
04:00	31	31	0	0	0
05:00	132	123	9	0	0
06:00	196	184	11	0	1
07:00	262	249	13	0	0
08:00	230	223	7	0	0
09:00	165	152	11	1	1
10:00	125	110	15	0	0
11:00	105	92	11	0	2
12:00	136	124	10	0	2
13:00	143	124	18	0	1
14:00	116	98	18	0	0
15:00	156	140	15	0	1
16:00	147	131	14	2	0
17:00	157	141	16	0	0
18:00	116	105	11	0	0
19:00	94	88	5	1	0
20:00	54	51	3	0	0
21:00	60	53	6	0	1
22:00	19	19	0	0	0
23:00	12	10	2	0	0
Total					
12H(7-19)	1858	1689	159	3	7
16H(6-22)	2262	2065	184	4	9
18H(6-24)	2293	2094	186	4	9
24H(0-24)	2473	2264	196	4	9
AM Peak	07:00	07:00	10:00	09:00	11:00
	262	249	15	1	2
PM Peak	17:00	17:00	13:00	16:00	12:00
	157	141	18	2	2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	14	0	0	0
01:00	11	10	1	0	0
02:00	6	3	3	0	0
03:00	11	11	0	0	0
04:00	35	34	1	0	0
05:00	152	140	10	0	2
06:00	240	225	14	0	1
07:00	345	330	14	1	0
08:00	341	324	17	0	0
09:00	291	267	21	1	2
10:00	217	198	19	0	0
11:00	202	175	23	1	3
12:00	279	249	25	1	4
13:00	266	240	25	0	1
14:00	285	248	37	0	0
15:00	322	282	38	0	2
16:00	420	376	42	2	0
17:00	449	405	42	1	1
18:00	295	273	21	1	0
19:00	230	214	15	1	0
20:00	148	142	4	2	0
21:00	125	114	10	0	1
22:00	78	78	0	0	0
23:00	47	43	4	0	0
Total					
12H(7-19)	3712	3367	324	8	13
16H(6-22)	4455	4062	367	11	15
18H(6-24)	4580	4183	371	11	15
24H(0-24)	4809	4395	386	11	17
AM Peak	07:00	07:00	11:00	07:00	11:00
	345	330	23	1	3
PM Peak	17:00	17:00	16:00	16:00	12:00
	449	405	42	2	4

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	11	0	0	0
01:00	10	8	2	0	0
02:00	4	4	0	0	0
03:00	5	5	0	0	0
04:00	3	3	0	0	0
05:00	27	26	1	0	0
06:00	47	39	8	0	0
07:00	104	103	1	0	0
08:00	124	109	13	0	2
09:00	111	101	9	0	1
10:00	90	70	19	1	0
11:00	102	92	9	0	1
12:00	107	96	10	0	1
13:00	145	127	17	0	1
14:00	232	202	26	2	2
15:00	193	166	26	1	0
16:00	266	240	24	1	1
17:00	287	252	34	0	1
18:00	174	155	19	0	0
19:00	126	114	12	0	0
20:00	80	78	2	0	0
21:00	69	65	4	0	0
22:00	59	58	1	0	0
23:00	32	30	2	0	0
Total					
12H(7-19)	1935	1713	207	5	10
16H(6-22)	2257	2009	233	5	10
18H(6-24)	2348	2097	236	5	10
24H(0-24)	2408	2154	239	5	10
AM Peak	08:00	08:00	10:00	10:00	08:00
	124	109	19	1	2
PM Peak	17:00	17:00	17:00	14:00	14:00
	287	252	34	2	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	7	7	0	0	0
03:00	7	4	3	0	0
04:00	21	17	4	0	0
05:00	144	138	6	0	0
06:00	206	199	7	0	0
07:00	251	238	13	0	0
08:00	221	206	13	0	2
09:00	139	132	7	0	0
10:00	116	101	13	0	2
11:00	118	110	7	0	1
12:00	166	146	18	2	0
13:00	173	156	16	0	1
14:00	128	104	22	0	2
15:00	171	145	26	0	0
16:00	169	156	11	0	2
17:00	155	145	10	0	0
18:00	111	102	9	0	0
19:00	89	83	6	0	0
20:00	68	63	5	0	0
21:00	74	71	3	0	0
22:00	26	25	1	0	0
23:00	10	8	2	0	0
Total					
12H(7-19)	1918	1741	165	2	10
16H(6-22)	2355	2157	186	2	10
18H(6-24)	2391	2190	189	2	10
24H(0-24)	2574	2360	202	2	10
AM Peak	07:00	07:00	07:00	00:00	08:00
	251	238	13	0	2
PM Peak	13:00	13:00	15:00	12:00	14:00
	173	156	26	2	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	13	0	0	0
01:00	12	10	2	0	0
02:00	11	11	0	0	0
03:00	12	9	3	0	0
04:00	24	20	4	0	0
05:00	171	164	7	0	0
06:00	253	238	15	0	0
07:00	355	341	14	0	0
08:00	345	315	26	0	4
09:00	250	233	16	0	1
10:00	206	171	32	1	2
11:00	220	202	16	0	2
12:00	273	242	28	2	1
13:00	318	283	33	0	2
14:00	360	306	48	2	4
15:00	364	311	52	1	0
16:00	435	396	35	1	3
17:00	442	397	44	0	1
18:00	285	257	28	0	0
19:00	215	197	18	0	0
20:00	148	141	7	0	0
21:00	143	136	7	0	0
22:00	85	83	2	0	0
23:00	42	38	4	0	0
Total					
12H(7-19)	3853	3454	372	7	20
16H(6-22)	4612	4166	419	7	20
18H(6-24)	4739	4287	425	7	20
24H(0-24)	4982	4514	441	7	20
AM Peak	07:00	07:00	10:00	10:00	08:00
	355	341	32	1	4
PM Peak	17:00	17:00	15:00	12:00	14:00
	442	397	52	2	4

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	6	5	1	0	0
02:00	6	6	0	0	0
03:00	5	4	1	0	0
04:00	5	4	1	0	0
05:00	23	22	1	0	0
06:00	47	42	5	0	0
07:00	84	75	9	0	0
08:00	109	97	10	2	0
09:00	109	98	11	0	0
10:00	101	82	17	1	1
11:00	118	106	10	2	0
12:00	155	130	24	0	1
13:00	175	157	16	0	2
14:00	195	175	19	0	1
15:00	227	202	24	1	0
16:00	213	182	29	1	1
17:00	212	195	16	0	1
18:00	154	141	13	0	0
19:00	123	113	10	0	0
20:00	94	88	6	0	0
21:00	52	46	4	2	0
22:00	55	54	1	0	0
23:00	17	16	1	0	0
Total					
12H(7-19)	1852	1640	198	7	7
16H(6-22)	2168	1929	223	9	7
18H(6-24)	2240	1999	225	9	7
24H(0-24)	2293	2048	229	9	7
AM Peak	11:00	11:00	10:00	08:00	10:00
	118	106	17	2	1
PM Peak	15:00	15:00	16:00	21:00	13:00
	227	202	29	2	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	0	0	0	0	0
02:00	1	1	0	0	0
03:00	9	8	1	0	0
04:00	28	27	1	0	0
05:00	158	155	2	1	0
06:00	174	167	7	0	0
07:00	233	216	16	0	1
08:00	228	212	15	0	1
09:00	126	112	12	0	2
10:00	128	107	20	1	0
11:00	135	115	18	1	1
12:00	130	113	15	0	2
13:00	155	136	18	0	1
14:00	121	97	22	0	2
15:00	172	144	28	0	0
16:00	170	149	21	0	0
17:00	157	141	16	0	0
18:00	134	121	12	0	1
19:00	113	104	8	0	1
20:00	53	49	4	0	0
21:00	60	57	3	0	0
22:00	26	26	0	0	0
23:00	19	18	1	0	0
Total					
12H(7-19)	1889	1663	213	2	11
16H(6-22)	2289	2040	235	2	12
18H(6-24)	2334	2084	236	2	12
24H(0-24)	2535	2280	240	3	12
AM Peak	07:00	07:00	10:00	05:00	09:00
	233	216	20	1	2
PM Peak	15:00	16:00	15:00	12:00	12:00
	172	149	28	0	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	13	0	0	0
01:00	6	5	1	0	0
02:00	7	7	0	0	0
03:00	14	12	2	0	0
04:00	33	31	2	0	0
05:00	181	177	3	1	0
06:00	221	209	12	0	0
07:00	317	291	25	0	1
08:00	337	309	25	2	1
09:00	235	210	23	0	2
10:00	229	189	37	2	1
11:00	253	221	28	3	1
12:00	285	243	39	0	3
13:00	330	293	34	0	3
14:00	316	272	41	0	3
15:00	399	346	52	1	0
16:00	383	331	50	1	1
17:00	369	336	32	0	1
18:00	288	262	25	0	1
19:00	236	217	18	0	1
20:00	147	137	10	0	0
21:00	112	103	7	2	0
22:00	81	80	1	0	0
23:00	36	34	2	0	0
Total					
12H(7-19)	3741	3303	411	9	18
16H(6-22)	4457	3969	458	11	19
18H(6-24)	4574	4083	461	11	19
24H(0-24)	4828	4328	469	12	19
AM Peak	08:00	08:00	10:00	11:00	09:00
	337	309	37	3	2
PM Peak	15:00	15:00	15:00	21:00	12:00
	399	346	52	2	3

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	16	0	0	0
01:00	6	5	1	0	0
02:00	6	6	0	0	0
03:00	4	4	0	0	0
04:00	3	3	0	0	0
05:00	12	12	0	0	0
06:00	38	34	4	0	0
07:00	30	23	6	0	1
08:00	75	68	7	0	0
09:00	89	79	10	0	0
10:00	123	113	8	1	1
11:00	135	122	12	0	1
12:00	147	133	13	1	0
13:00	151	134	16	1	0
14:00	172	157	14	0	1
15:00	133	116	16	1	0
16:00	141	127	14	0	0
17:00	123	114	9	0	0
18:00	104	93	11	0	0
19:00	75	70	5	0	0
20:00	79	75	4	0	0
21:00	46	44	2	0	0
22:00	42	39	3	0	0
23:00	17	16	1	0	0
Total					
12H(7-19)	1423	1279	136	4	4
16H(6-22)	1661	1502	151	4	4
18H(6-24)	1720	1557	155	4	4
24H(0-24)	1767	1603	156	4	4
AM Peak	11:00	11:00	11:00	10:00	07:00
	135	122	12	1	1
PM Peak	14:00	14:00	13:00	12:00	14:00
	172	157	16	1	1

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	9	0	0	0
01:00	5	4	1	0	0
02:00	1	1	0	0	0
03:00	6	5	1	0	0
04:00	13	13	0	0	0
05:00	50	46	4	0	0
06:00	61	52	8	0	1
07:00	93	83	10	0	0
08:00	105	86	17	0	2
09:00	158	136	21	0	1
10:00	153	134	18	0	1
11:00	164	151	13	0	0
12:00	149	128	20	1	0
13:00	149	126	23	0	0
14:00	127	111	16	0	0
15:00	115	99	14	1	1
16:00	103	95	8	0	0
17:00	96	84	12	0	0
18:00	76	69	7	0	0
19:00	63	54	9	0	0
20:00	52	47	5	0	0
21:00	40	37	3	0	0
22:00	27	27	0	0	0
23:00	15	14	1	0	0
Total					
12H(7-19)	1488	1302	179	2	5
16H(6-22)	1704	1492	204	2	6
18H(6-24)	1746	1533	205	2	6
24H(0-24)	1830	1611	211	2	6
AM Peak	11:00	11:00	09:00	00:00	08:00
	164	151	21	0	2
PM Peak	12:00	12:00	13:00	12:00	15:00
	149	128	23	1	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	25	25	0	0	0
01:00	11	9	2	0	0
02:00	7	7	0	0	0
03:00	10	9	1	0	0
04:00	16	16	0	0	0
05:00	62	58	4	0	0
06:00	99	86	12	0	1
07:00	123	106	16	0	1
08:00	180	154	24	0	2
09:00	247	215	31	0	1
10:00	276	247	26	1	2
11:00	299	273	25	0	1
12:00	296	261	33	2	0
13:00	300	260	39	1	0
14:00	299	268	30	0	1
15:00	248	215	30	2	1
16:00	244	222	22	0	0
17:00	219	198	21	0	0
18:00	180	162	18	0	0
19:00	138	124	14	0	0
20:00	131	122	9	0	0
21:00	86	81	5	0	0
22:00	69	66	3	0	0
23:00	32	30	2	0	0
Total					
12H(7-19)	2911	2581	315	6	9
16H(6-22)	3365	2994	355	6	10
18H(6-24)	3466	3090	360	6	10
24H(0-24)	3597	3214	367	6	10
AM Peak	11:00	11:00	09:00	10:00	08:00
	299	273	31	1	2
PM Peak	13:00	14:00	13:00	12:00	14:00
	300	268	39	2	1

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	18	16	2	0	0
01:00	10	10	0	0	0
02:00	7	6	1	0	0
03:00	3	3	0	0	0
04:00	3	3	0	0	0
05:00	10	10	0	0	0
06:00	16	14	1	0	1
07:00	28	27	1	0	0
08:00	53	51	2	0	0
09:00	62	56	6	0	0
10:00	113	100	12	0	1
11:00	118	107	11	0	0
12:00	130	117	12	1	0
13:00	109	101	8	0	0
14:00	146	130	16	0	0
15:00	129	120	9	0	0
16:00	105	99	6	0	0
17:00	156	123	32	1	0
18:00	92	82	9	1	0
19:00	76	72	4	0	0
20:00	69	64	5	0	0
21:00	44	40	4	0	0
22:00	33	30	3	0	0
23:00	11	11	0	0	0
Total					
12H(7-19)	1241	1113	124	3	1
16H(6-22)	1446	1303	138	3	2
18H(6-24)	1490	1344	141	3	2
24H(0-24)	1541	1392	144	3	2
AM Peak	11:00	11:00	10:00	00:00	06:00
	118	107	12	0	1
PM Peak	17:00	14:00	17:00	12:00	12:00
	156	130	32	1	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	11	0	0	0
01:00	1	1	0	0	0
02:00	7	5	2	0	0
03:00	1	1	0	0	0
04:00	10	10	0	0	0
05:00	33	30	3	0	0
06:00	34	30	4	0	0
07:00	50	38	12	0	0
08:00	119	98	21	0	0
09:00	100	86	14	0	0
10:00	133	117	15	1	0
11:00	117	97	18	0	2
12:00	157	132	23	0	2
13:00	149	134	15	0	0
14:00	104	90	14	0	0
15:00	91	82	6	1	2
16:00	82	73	8	0	1
17:00	99	86	12	1	0
18:00	72	63	8	0	1
19:00	85	74	10	0	1
20:00	31	24	7	0	0
21:00	28	26	2	0	0
22:00	24	20	4	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	1273	1096	166	3	8
16H(6-22)	1451	1250	189	3	9
18H(6-24)	1478	1273	193	3	9
24H(0-24)	1541	1331	198	3	9
AM Peak	10:00	10:00	08:00	10:00	11:00
	133	117	21	1	2
PM Peak	12:00	13:00	12:00	15:00	12:00
	157	134	23	1	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	29	27	2	0	0
01:00	11	11	0	0	0
02:00	14	11	3	0	0
03:00	4	4	0	0	0
04:00	13	13	0	0	0
05:00	43	40	3	0	0
06:00	50	44	5	0	1
07:00	78	65	13	0	0
08:00	172	149	23	0	0
09:00	162	142	20	0	0
10:00	246	217	27	1	1
11:00	235	204	29	0	2
12:00	287	249	35	1	2
13:00	258	235	23	0	0
14:00	250	220	30	0	0
15:00	220	202	15	1	2
16:00	187	172	14	0	1
17:00	255	209	44	2	0
18:00	164	145	17	1	1
19:00	161	146	14	0	1
20:00	100	88	12	0	0
21:00	72	66	6	0	0
22:00	57	50	7	0	0
23:00	14	14	0	0	0
Total					
12H(7-19)	2514	2209	290	6	9
16H(6-22)	2897	2553	327	6	11
18H(6-24)	2968	2617	334	6	11
24H(0-24)	3082	2723	342	6	11
AM Peak	10:00	10:00	11:00	10:00	11:00
	246	217	29	1	2
PM Peak	12:00	12:00	17:00	17:00	12:00
	287	249	44	2	2

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	8	1	0	0
01:00	5	4	1	0	0
02:00	4	4	0	0	0
03:00	1	1	0	0	0
04:00	9	7	2	0	0
05:00	27	23	3	0	1
06:00	37	29	8	0	0
07:00	80	71	7	1	1
08:00	102	84	17	0	1
09:00	89	75	14	0	0
10:00	104	83	20	1	0
11:00	97	75	19	2	1
12:00	115	95	20	0	0
13:00	138	117	18	1	2
14:00	172	149	21	1	1
15:00	164	132	30	0	2
16:00	254	227	27	0	0
17:00	295	263	30	1	1
18:00	387	363	23	0	1
19:00	236	214	21	1	0
20:00	231	218	13	0	0
21:00	133	123	10	0	0
22:00	104	100	4	0	0
23:00	47	46	1	0	0
Total					
12H(7-19)	1997	1734	246	7	10
16H(6-22)	2634	2318	298	8	10
18H(6-24)	2785	2464	303	8	10
24H(0-24)	2840	2511	310	8	11
AM Peak	10:00	08:00	10:00	11:00	05:00
	104	84	20	2	1
PM Peak	18:00	18:00	15:00	13:00	13:00
	387	363	30	1	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	0	0	0	0	0
02:00	3	3	0	0	0
03:00	6	4	1	0	1
04:00	31	31	0	0	0
05:00	148	133	14	0	1
06:00	147	133	14	0	0
07:00	209	182	27	0	0
08:00	167	130	33	0	4
09:00	112	96	16	0	0
10:00	133	105	24	0	4
11:00	102	82	18	0	2
12:00	99	83	14	0	2
13:00	127	103	18	1	5
14:00	135	110	24	0	1
15:00	140	113	26	0	1
16:00	159	129	27	0	3
17:00	186	157	29	0	0
18:00	242	201	38	1	2
19:00	245	211	31	1	2
20:00	157	137	19	0	1
21:00	145	122	21	0	2
22:00	59	51	8	0	0
23:00	33	30	3	0	0
Total					
12H(7-19)	1811	1491	294	2	24
16H(6-22)	2505	2094	379	3	29
18H(6-24)	2597	2175	390	3	29
24H(0-24)	2792	2353	405	3	31
AM Peak	07:00	07:00	08:00	00:00	08:00
	209	182	33	0	4
PM Peak	19:00	19:00	18:00	13:00	13:00
	245	211	38	1	5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	15	1	0	0
01:00	5	4	1	0	0
02:00	7	7	0	0	0
03:00	7	5	1	0	1
04:00	40	38	2	0	0
05:00	175	156	17	0	2
06:00	184	162	22	0	0
07:00	289	253	34	1	1
08:00	269	214	50	0	5
09:00	201	171	30	0	0
10:00	237	188	44	1	4
11:00	199	157	37	2	3
12:00	214	178	34	0	2
13:00	265	220	36	2	7
14:00	307	259	45	1	2
15:00	304	245	56	0	3
16:00	413	356	54	0	3
17:00	481	420	59	1	1
18:00	629	564	61	1	3
19:00	481	425	52	2	2
20:00	388	355	32	0	1
21:00	278	245	31	0	2
22:00	163	151	12	0	0
23:00	80	76	4	0	0
Total					
12H(7-19)	3808	3225	540	9	34
16H(6-22)	5139	4412	677	11	39
18H(6-24)	5382	4639	693	11	39
24H(0-24)	5632	4864	715	11	42
AM Peak	07:00	07:00	08:00	11:00	08:00
	289	253	50	2	5
PM Peak	18:00	18:00	18:00	13:00	13:00
	629	564	61	2	7

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

06/06/2023

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	12	26.0	21.7	4.2	0	0	1	2	7	2	0	0	0	0	0	0
01:00	9	32.5	21.9	10.1	0	1	2	1	1	2	1	1	0	0	0	0
02:00	7	29.4	21.8	7.3	0	0	0	4	2	0	0	1	0	0	0	0
03:00	6	17.5	17.5	0.0	0	0	0	6	0	0	0	0	0	0	0	0
04:00	7	42.7	31.8	10.6	0	0	0	1	0	2	3	0	0	0	1	0
05:00	24	32.4	24.8	7.4	0	0	3	4	3	9	3	2	0	0	0	0
06:00	39	28.1	21.5	6.4	0	0	4	15	12	3	3	2	0	0	0	0
07:00	81	31.2	24.2	6.7	0	0	4	22	19	20	11	4	1	0	0	0
08:00	123	28.4	22.4	5.8	0	2	8	31	45	24	12	1	0	0	0	0
09:00	90	30.0	21.9	7.8	0	2	8	35	20	13	7	4	0	0	0	1
10:00	112	25.9	19.4	6.3	0	5	22	42	18	19	6	0	0	0	0	0
11:00	106	25.9	19.7	6.0	0	2	23	34	25	18	3	1	0	0	0	0
12:00	120	28.4	21.5	6.7	0	4	8	49	23	24	8	3	1	0	0	0
13:00	127	28.2	22.1	5.8	0	2	9	36	43	25	10	2	0	0	0	0
14:00	197	29.8	22.9	6.7	0	1	14	64	45	54	7	7	5	0	0	0
15:00	194	30.7	23.9	6.6	0	0	10	61	37	48	30	6	2	0	0	0
16:00	281	28.1	21.7	6.2	0	1	23	117	58	53	22	5	2	0	0	0
17:00	309	29.0	22.5	6.3	0	4	16	108	74	79	16	10	1	1	0	0
18:00	159	29.1	22.4	6.5	0	5	10	45	42	42	10	4	1	0	0	0
19:00	97	32.0	23.5	8.2	0	1	12	23	22	22	10	3	2	1	1	0
20:00	81	28.2	22.4	5.6	0	0	8	15	39	12	4	3	0	0	0	0
21:00	57	29.9	22.6	7.0	0	1	4	19	16	6	9	1	1	0	0	0
22:00	53	29.6	22.3	7.1	0	0	5	23	4	15	3	2	1	0	0	0
23:00	23	36.8	26.4	10.0	0	1	2	4	3	4	5	1	3	0	0	0
Total																
2H(10-12)	218	25.9	19.5	6.1	0	7	45	76	43	37	9	1	0	0	0	0
2H(14-16)	391	30.3	23.4	6.7	0	1	24	125	82	102	37	13	7	0	0	0
12H(7-19)	1899	28.9	22.2	6.5	0	28	155	644	449	419	142	47	13	1	0	1
24H(0-24)	2314	29.2	22.3	6.7	0	32	196	761	558	496	183	63	20	2	2	1
AM Peak	08:00	04:00	04:00	04:00	00:00	10:00	11:00	10:00	08:00	08:00	08:00	07:00	07:00	00:00	04:00	09:00
	123	42.7	31.8	10.6	0	5	23	42	45	24	12	4	1	0	1	1
PM Peak	17:00	23:00	23:00	23:00	12:00	18:00	16:00	16:00	17:00	17:00	15:00	17:00	14:00	17:00	19:00	12:00
	309	36.8	26.4	10.0	0	5	23	117	74	79	30	10	5	1	1	0

Paul Castle Associates

Direction: Northbound

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	7	30.5	24.6	5.7	0	0	0	2	1	3	1	0	0	0	0	0
01:00	7	17.5	17.5	0.0	0	0	0	7	0	0	0	0	0	0	0	0
02:00	9	32.1	24.7	7.1	0	0	0	1	6	1	0	0	1	0	0	0
03:00	2	23.7	20.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
04:00	29	33.8	27.0	6.6	0	0	1	4	5	9	7	3	0	0	0	0
05:00	126	31.4	23.5	7.6	0	1	12	37	27	21	21	5	1	0	1	0
06:00	144	28.8	21.3	7.3	0	1	21	64	15	18	18	7	0	0	0	0
07:00	200	30.2	22.4	7.5	0	3	15	84	31	31	26	6	2	1	1	0
08:00	198	28.8	21.6	6.9	0	2	21	79	43	25	18	8	2	0	0	0
09:00	140	26.8	20.9	5.7	0	1	10	70	24	22	13	0	0	0	0	0
10:00	131	29.6	21.9	7.4	0	3	12	54	20	22	15	3	1	0	1	0
11:00	118	29.7	23.3	6.1	0	2	2	33	40	25	11	4	1	0	0	0
12:00	117	28.5	22.3	5.9	0	0	10	36	32	30	6	2	1	0	0	0
13:00	149	29.3	22.2	6.8	0	0	14	58	37	10	26	2	2	0	0	0
14:00	125	28.4	22.2	6.0	0	2	4	51	27	29	8	4	0	0	0	0
15:00	159	29.4	22.5	6.7	0	0	11	68	23	31	19	7	0	0	0	0
16:00	175	29.5	22.1	7.2	0	2	18	67	35	25	17	9	2	0	0	0
17:00	130	31.6	23.9	7.4	0	0	10	39	28	21	24	7	0	0	1	0
18:00	124	30.6	23.5	6.8	0	0	8	39	29	24	18	4	2	0	0	0
19:00	97	28.0	22.6	5.2	0	0	5	24	43	15	9	1	0	0	0	0
20:00	48	33.7	23.4	9.9	0	0	3	22	6	9	5	1	0	0	0	2
21:00	49	29.4	20.2	8.9	0	0	13	24	2	2	2	4	1	1	0	0
22:00	10	31.5	23.5	7.7	0	1	1	0	2	5	1	0	0	0	0	0
23:00	4	21.3	18.8	2.5	0	0	0	3	1	0	0	0	0	0	0	0
Total																
2H(10-12)	249	29.7	22.6	6.9	0	5	14	87	60	47	26	7	2	0	1	0
2H(14-16)	284	29.0	22.4	6.4	0	2	15	119	50	60	27	11	0	0	0	0
12H(7-19)	1766	29.4	22.3	6.8	0	15	135	678	369	295	201	56	13	1	3	0
24H(0-24)	2298	29.6	22.4	7.0	0	18	191	867	478	378	265	77	16	2	4	2
AM Peak	07:00	04:00	04:00	05:00	00:00	07:00	06:00	07:00	08:00	07:00	07:00	08:00	07:00	07:00	05:00	00:00
	200	33.8	27.0	7.6	0	3	21	84	43	31	26	8	2	1	1	0
PM Peak	16:00	20:00	17:00	20:00	12:00	14:00	16:00	15:00	19:00	15:00	13:00	16:00	13:00	21:00	17:00	20:00
	175	33.7	23.9	9.9	0	2	18	68	43	31	26	9	2	1	1	2

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	19	27.8	22.8	4.9	0	0	1	4	8	5	1	0	0	0	0	0
01:00	16	28.0	20.0	7.7	0	1	2	8	1	2	1	1	0	0	0	0
02:00	16	30.8	23.4	7.1	0	0	0	5	8	1	0	1	1	0	0	0
03:00	8	20.0	18.1	1.8	0	0	0	7	1	0	0	0	0	0	0	0
04:00	36	35.8	27.9	7.6	0	0	1	5	5	11	10	3	0	0	1	0
05:00	150	31.5	23.7	7.6	0	1	15	41	30	30	24	7	1	0	1	0
06:00	183	28.7	21.4	7.1	0	1	25	79	27	21	21	9	0	0	0	0
07:00	281	30.6	22.9	7.3	0	3	19	106	50	51	37	10	3	1	1	0
08:00	321	28.7	21.9	6.5	0	4	29	110	88	49	30	9	2	0	0	0
09:00	230	28.1	21.3	6.6	0	3	18	105	44	35	20	4	0	0	0	1
10:00	243	28.0	20.7	7.0	0	8	34	96	38	41	21	3	1	0	1	0
11:00	224	28.2	21.6	6.3	0	4	25	67	65	43	14	5	1	0	0	0
12:00	237	28.5	21.9	6.3	0	4	18	85	55	54	14	5	2	0	0	0
13:00	276	28.8	22.2	6.4	0	2	23	94	80	35	36	4	2	0	0	0
14:00	322	29.3	22.6	6.5	0	3	18	115	72	83	15	11	5	0	0	0
15:00	353	30.2	23.3	6.7	0	0	21	129	60	79	49	13	2	0	0	0
16:00	456	28.7	21.8	6.6	0	3	41	184	93	78	39	14	4	0	0	0
17:00	439	29.8	22.9	6.6	0	4	26	147	102	100	40	17	1	1	1	0
18:00	283	29.8	22.9	6.6	0	5	18	84	71	66	28	8	3	0	0	0
19:00	194	30.2	23.1	6.9	0	1	17	47	65	37	19	4	2	1	1	0
20:00	129	30.5	22.8	7.5	0	0	11	37	45	21	9	4	0	0	0	2
21:00	106	29.8	21.5	8.0	0	1	17	43	18	8	11	5	2	1	0	0
22:00	63	29.9	22.5	7.1	0	1	6	23	6	20	4	2	1	0	0	0
23:00	27	35.3	25.3	9.6	0	1	2	7	4	4	5	1	3	0	0	0
Total																
2H(10-12)	467	28.1	21.2	6.7	0	12	59	163	103	84	35	8	2	0	1	0
2H(14-16)	675	29.8	22.9	6.6	0	3	39	244	132	162	64	24	7	0	0	0
12H(7-19)	3665	29.2	22.3	6.7	0	43	290	1322	818	714	343	103	26	2	3	1
24H(0-24)	4612	29.4	22.3	6.8	0	50	387	1628	1036	874	448	140	36	4	6	3
AM Peak	08:00	04:00	04:00	01:00	00:00	10:00	10:00	08:00	08:00	07:00	07:00	07:00	07:00	07:00	04:00	09:00
	321	35.8	27.9	7.7	0	8	34	110	88	51	37	10	3	1	1	1
PM Peak	16:00	23:00	23:00	23:00	12:00	18:00	16:00	16:00	17:00	17:00	15:00	17:00	14:00	17:00	17:00	20:00
	456	35.3	25.3	9.6	0	5	41	184	102	100	49	17	5	1	1	2

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

07/06/2023

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	27.4	23.8	3.5	0	0	0	0	7	0	1	0	0	0	0	0
01:00	6	31.2	20.0	10.8	0	1	1	2	0	1	0	1	0	0	0	0
02:00	5	40.6	30.5	9.7	0	0	0	1	0	2	0	1	1	0	0	0
03:00	6	34.1	27.5	6.3	0	0	0	1	0	4	0	1	0	0	0	0
04:00	4	40.2	35.0	5.0	0	0	0	0	0	0	3	0	1	0	0	0
05:00	20	36.9	28.3	8.3	0	0	2	2	1	7	2	6	0	0	0	0
06:00	44	29.9	22.4	7.3	0	0	8	11	6	15	2	1	1	0	0	0
07:00	83	30.7	24.2	6.2	0	0	1	22	27	20	8	3	2	0	0	0
08:00	111	28.6	22.2	6.2	0	0	7	48	16	29	7	4	0	0	0	0
09:00	126	28.6	21.8	6.5	0	2	11	43	37	18	10	4	1	0	0	0
10:00	92	29.3	22.4	6.7	0	2	9	25	23	22	9	1	1	0	0	0
11:00	97	29.0	22.6	6.2	0	2	7	27	22	31	6	2	0	0	0	0
12:00	143	28.6	22.0	6.4	0	1	20	40	26	44	10	2	0	0	0	0
13:00	123	26.2	20.2	5.8	0	2	12	59	29	11	9	0	1	0	0	0
14:00	169	29.2	22.0	7.0	0	2	24	55	29	31	24	4	0	0	0	0
15:00	166	28.4	21.8	6.3	0	0	15	64	40	30	13	3	0	0	1	0
16:00	273	27.6	20.9	6.5	0	0	30	128	58	26	23	7	0	0	0	1
17:00	292	28.9	22.1	6.6	0	2	13	134	54	56	17	12	3	1	0	0
18:00	179	30.8	22.8	7.7	0	0	15	77	25	28	20	10	2	1	1	0
19:00	136	27.6	21.3	6.1	0	0	8	67	31	18	5	6	1	0	0	0
20:00	94	29.5	22.9	6.4	0	0	9	29	14	34	5	2	1	0	0	0
21:00	65	32.7	24.7	7.7	0	2	3	14	14	16	11	4	0	1	0	0
22:00	59	30.1	22.5	7.4	0	0	4	20	23	4	4	2	1	0	1	0
23:00	35	39.0	29.4	9.3	0	0	2	5	6	3	8	7	3	1	0	0
Total																
2H(10-12)	189	29.1	22.5	6.4	0	4	16	52	45	53	15	3	1	0	0	0
2H(14-16)	335	28.8	21.9	6.7	0	2	39	119	69	61	37	7	0	0	1	0
12H(7-19)	1854	28.8	21.9	6.6	0	13	164	722	386	346	156	52	10	2	2	1
24H(0-24)	2336	29.4	22.3	6.8	0	16	201	874	488	450	197	83	19	4	3	1
AM Peak	09:00	02:00	04:00	01:00	00:00	09:00	09:00	08:00	09:00	11:00	09:00	05:00	07:00	00:00	00:00	00:00
	126	40.6	35.0	10.8	0	2	11	48	37	31	10	6	2	0	0	0
PM Peak	17:00	23:00	23:00	23:00	12:00	13:00	16:00	17:00	16:00	17:00	14:00	17:00	17:00	17:00	15:00	16:00
	292	39.0	29.4	9.3	0	2	30	134	58	56	24	12	3	1	1	1

Paul Castle Associates

Direction: Northbound

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	35.2	25.0	9.9	0	0	1	0	3	1	0	0	1	0	0	0
01:00	5	32.7	27.5	5.0	0	0	0	0	2	1	2	0	0	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	0	0	0	1	0	0
03:00	5	42.8	33.5	8.9	0	0	0	1	0	0	0	4	0	0	0	0
04:00	31	33.1	26.5	6.4	0	0	1	5	5	10	8	2	0	0	0	0
05:00	132	31.7	23.1	8.3	0	1	12	51	18	27	11	8	2	1	0	1
06:00	196	32.1	24.3	7.6	0	0	16	56	33	46	30	8	7	0	0	0
07:00	262	29.9	22.7	6.9	0	0	6	132	33	47	29	11	2	2	0	0
08:00	230	26.9	21.5	5.3	0	2	12	89	68	48	8	3	0	0	0	0
09:00	165	29.0	22.0	6.8	0	2	18	57	36	28	18	6	0	0	0	0
10:00	125	29.6	22.7	6.7	0	0	11	46	21	28	13	6	0	0	0	0
11:00	105	29.8	22.2	7.4	0	1	15	37	10	29	6	6	1	0	0	0
12:00	136	27.9	20.8	6.9	0	2	23	53	17	28	9	3	1	0	0	0
13:00	143	30.4	22.8	7.3	0	0	11	60	20	24	18	8	2	0	0	0
14:00	116	29.8	22.6	7.0	0	0	9	47	19	21	15	3	2	0	0	0
15:00	156	28.8	21.9	6.7	0	0	15	67	25	29	13	6	1	0	0	0
16:00	147	29.1	22.3	6.6	0	0	6	73	22	22	16	8	0	0	0	0
17:00	157	27.3	21.1	6.0	0	0	13	77	30	20	13	4	0	0	0	0
18:00	116	30.5	23.6	6.7	0	0	5	42	19	30	15	3	2	0	0	0
19:00	94	27.4	20.8	6.3	0	0	7	55	10	11	8	2	1	0	0	0
20:00	54	29.8	22.3	7.2	0	0	4	21	17	3	5	2	2	0	0	0
21:00	60	27.9	21.8	5.9	0	0	6	19	19	10	5	1	0	0	0	0
22:00	19	29.1	21.7	7.1	0	0	2	9	2	3	2	1	0	0	0	0
23:00	12	32.5	24.2	8.1	0	0	0	4	5	1	0	1	1	0	0	0
Total																
2H(10-12)	230	29.7	22.4	7.0	0	1	26	83	31	57	19	12	1	0	0	0
2H(14-16)	272	29.2	22.2	6.8	0	0	24	114	44	50	28	9	3	0	0	0
12H(7-19)	1858	29.0	22.1	6.6	0	7	144	780	320	354	173	67	11	2	0	0
24H(0-24)	2473	29.6	22.4	6.9	0	8	193	1001	434	467	244	96	25	4	0	1
AM Peak	07:00	03:00	02:00	00:00	00:00	08:00	09:00	07:00	08:00	08:00	06:00	07:00	06:00	07:00	00:00	05:00
	262	42.8	47.5	9.9	0	2	18	132	68	48	30	11	7	2	0	1
PM Peak	17:00	23:00	23:00	23:00	12:00	12:00	12:00	17:00	17:00	18:00	13:00	13:00	13:00	12:00	12:00	12:00
	157	32.5	24.2	8.1	0	2	23	77	30	30	18	8	2	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	14	31.2	24.3	6.7	0	0	1	0	10	1	1	0	1	0	0	0
01:00	11	32.9	23.4	9.2	0	1	1	2	2	2	2	1	0	0	0	0
02:00	6	44.9	33.3	11.1	0	0	0	1	0	2	0	1	1	1	0	0
03:00	11	38.4	30.2	7.9	0	0	0	2	0	4	0	5	0	0	0	0
04:00	35	34.5	27.5	6.8	0	0	1	5	5	10	11	2	1	0	0	0
05:00	152	32.5	23.8	8.5	0	1	14	53	19	34	13	14	2	1	0	1
06:00	240	31.7	23.9	7.5	0	0	24	67	39	61	32	9	8	0	0	0
07:00	345	30.1	23.1	6.8	0	0	7	154	60	67	37	14	4	2	0	0
08:00	341	27.5	21.7	5.6	0	2	19	137	84	77	15	7	0	0	0	0
09:00	291	28.8	21.9	6.6	0	4	29	100	73	46	28	10	1	0	0	0
10:00	217	29.5	22.5	6.7	0	2	20	71	44	50	22	7	1	0	0	0
11:00	202	29.5	22.4	6.8	0	3	22	64	32	60	12	8	1	0	0	0
12:00	279	28.3	21.4	6.6	0	3	43	93	43	72	19	5	1	0	0	0
13:00	266	28.6	21.6	6.8	0	2	23	119	49	35	27	8	3	0	0	0
14:00	285	29.5	22.2	7.0	0	2	33	102	48	52	39	7	2	0	0	0
15:00	322	28.6	21.8	6.5	0	0	30	131	65	59	26	9	1	0	1	0
16:00	420	28.2	21.4	6.5	0	0	36	201	80	48	39	15	0	0	0	1
17:00	449	28.4	21.7	6.4	0	2	26	211	84	76	30	16	3	1	0	0
18:00	295	30.7	23.1	7.3	0	0	20	119	44	58	35	13	4	1	1	0
19:00	230	27.5	21.1	6.2	0	0	15	122	41	29	13	8	2	0	0	0
20:00	148	29.6	22.7	6.7	0	0	13	50	31	37	10	4	3	0	0	0
21:00	125	30.6	23.3	7.0	0	2	9	33	33	26	16	5	0	1	0	0
22:00	78	29.8	22.3	7.3	0	0	6	29	25	7	6	3	1	0	1	0
23:00	47	37.6	28.0	9.2	0	0	2	9	11	4	8	8	4	1	0	0
Total																
2H(10-12)	419	29.5	22.5	6.7	0	5	42	135	76	110	34	15	2	0	0	0
2H(14-16)	607	29.0	22.0	6.7	0	2	63	233	113	111	65	16	3	0	1	0
12H(7-19)	3712	28.9	22.0	6.6	0	20	308	1502	706	700	329	119	21	4	2	1
24H(0-24)	4809	29.5	22.3	6.9	0	24	394	1875	922	917	441	179	44	8	3	2
AM Peak	07:00	02:00	02:00	02:00	00:00	09:00	09:00	07:00	08:00	08:00	07:00	05:00	06:00	07:00	00:00	05:00
	345	44.9	33.3	11.1	0	4	29	154	84	77	37	14	8	2	0	1
PM Peak	17:00	23:00	23:00	23:00	12:00	12:00	12:00	17:00	17:00	17:00	14:00	17:00	18:00	17:00	15:00	16:00
	449	37.6	28.0	9.2	0	3	43	211	84	76	39	16	4	1	1	1

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

08/06/2023

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	11	21.5	18.4	3.0	0	0	1	7	3	0	0	0	0	0	0	0
01:00	10	28.5	20.0	8.2	0	0	1	7	1	0	0	0	1	0	0	0
02:00	4	31.7	25.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
03:00	5	32.5	25.5	6.7	0	0	0	0	4	0	0	1	0	0	0	0
04:00	3	38.7	30.8	7.6	0	0	0	0	1	0	1	1	0	0	0	0
05:00	27	34.0	25.8	7.8	0	1	0	5	8	4	6	2	1	0	0	0
06:00	47	29.2	21.3	7.6	0	3	3	19	9	6	5	1	1	0	0	0
07:00	104	33.9	25.2	8.4	0	5	8	17	17	22	26	7	1	1	0	0
08:00	124	30.1	22.8	7.1	0	0	8	52	20	25	9	8	2	0	0	0
09:00	111	29.6	22.1	7.2	0	4	12	29	30	21	11	3	0	1	0	0
10:00	90	28.3	21.9	6.2	0	3	7	28	19	26	7	0	0	0	0	0
11:00	102	28.0	21.2	6.6	0	0	12	44	20	17	6	0	3	0	0	0
12:00	107	27.6	20.4	6.9	0	1	17	52	10	16	6	4	1	0	0	0
13:00	145	30.3	22.6	7.5	0	1	7	61	33	24	11	3	2	1	2	0
14:00	232	28.8	21.5	7.0	0	2	30	90	43	35	24	4	4	0	0	0
15:00	193	28.5	21.3	6.9	0	1	22	87	35	23	16	6	2	1	0	0
16:00	266	27.7	21.1	6.4	0	4	20	134	37	43	19	8	1	0	0	0
17:00	287	30.5	22.5	7.7	0	3	27	103	63	47	27	10	4	0	2	1
18:00	174	29.6	22.2	7.2	0	0	19	66	31	39	8	10	0	0	0	1
19:00	126	27.8	20.9	6.7	0	2	13	56	27	16	9	1	0	2	0	0
20:00	80	28.0	21.8	6.1	0	0	5	38	9	23	3	1	1	0	0	0
21:00	69	27.6	21.1	6.4	0	2	3	28	25	6	4	0	0	0	1	0
22:00	59	26.3	20.5	5.7	0	1	4	30	12	8	3	1	0	0	0	0
23:00	32	36.4	27.2	8.9	0	0	4	6	1	5	9	7	0	0	0	0
Total																
2H(10-12)	192	28.1	21.5	6.4	0	3	19	72	39	43	13	0	3	0	0	0
2H(14-16)	425	28.6	21.4	7.0	0	3	52	177	78	58	40	10	6	1	0	0
12H(7-19)	1935	29.4	22.0	7.2	0	24	189	763	358	338	170	63	20	4	4	2
24H(0-24)	2408	29.3	21.9	7.1	0	33	223	960	459	407	211	78	24	6	5	2
AM Peak	08:00	04:00	04:00	07:00	00:00	07:00	09:00	08:00	09:00	10:00	07:00	08:00	11:00	07:00	00:00	00:00
	124	38.7	30.8	8.4	0	5	12	52	30	26	26	8	3	1	0	0
PM Peak	17:00	23:00	23:00	23:00	12:00	16:00	14:00	16:00	17:00	17:00	17:00	17:00	14:00	19:00	13:00	17:00
	287	36.4	27.2	8.9	0	4	30	134	63	47	27	10	4	2	2	1

Paul Castle Associates

Direction: Northbound

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	34.8	27.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
01:00	2	27.5	27.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
02:00	7	45.4	32.9	12.1	0	0	0	0	0	5	1	0	0	0	0	1
03:00	7	46.5	33.9	12.1	0	0	0	1	1	1	1	0	1	2	0	0
04:00	21	30.9	24.6	6.0	0	0	1	5	3	8	4	0	0	0	0	0
05:00	144	32.8	25.7	6.8	0	0	5	37	14	45	36	5	2	0	0	0
06:00	206	33.3	23.7	9.2	0	1	44	53	15	23	42	25	2	1	0	0
07:00	251	28.2	21.6	6.4	0	2	33	73	66	64	5	6	0	2	0	0
08:00	221	26.1	20.3	5.6	0	2	32	85	63	23	15	1	0	0	0	0
09:00	139	27.5	21.4	5.8	0	1	11	58	30	26	12	1	0	0	0	0
10:00	116	29.2	22.4	6.5	0	0	16	32	23	33	8	4	0	0	0	0
11:00	118	27.7	21.3	6.2	0	0	14	49	19	25	9	2	0	0	0	0
12:00	166	28.0	21.6	6.2	0	1	13	69	40	23	15	5	0	0	0	0
13:00	173	28.3	21.7	6.3	0	1	11	77	35	30	12	6	1	0	0	0
14:00	128	29.4	22.0	7.2	0	1	14	53	19	19	16	5	1	0	0	0
15:00	171	29.5	21.7	7.6	0	5	20	72	15	28	23	7	1	0	0	0
16:00	169	30.2	23.0	7.0	0	0	8	71	33	25	21	8	3	0	0	0
17:00	155	30.4	22.2	8.0	0	4	16	65	15	25	20	7	2	1	0	0
18:00	111	31.2	23.8	7.1	0	0	8	37	17	25	17	6	1	0	0	0
19:00	89	32.2	24.1	7.9	0	0	6	28	20	16	10	5	3	1	0	0
20:00	68	32.6	26.0	6.4	0	0	1	16	12	16	20	3	0	0	0	0
21:00	74	25.4	20.1	5.2	0	0	6	42	13	9	3	1	0	0	0	0
22:00	26	28.5	23.5	4.9	0	0	0	8	7	9	2	0	0	0	0	0
23:00	10	32.6	23.0	9.3	0	0	0	6	2	0	0	1	1	0	0	0
Total																
2H(10-12)	234	28.4	21.8	6.4	0	0	30	81	42	58	17	6	0	0	0	0
2H(14-16)	299	29.5	21.8	7.4	0	6	34	125	34	47	39	12	2	0	0	0
12H(7-19)	1918	28.7	21.8	6.7	0	17	196	741	375	346	173	58	9	3	0	0
24H(0-24)	2574	29.8	22.4	7.1	0	18	259	937	463	480	293	98	18	7	0	1
AM Peak	07:00	03:00	03:00	03:00	00:00	07:00	06:00	08:00	07:00	07:00	06:00	06:00	05:00	03:00	00:00	02:00
	251	46.5	33.9	12.1	0	2	44	85	66	64	42	25	2	2	0	1
PM Peak	13:00	20:00	20:00	23:00	12:00	15:00	15:00	13:00	12:00	13:00	15:00	16:00	16:00	17:00	12:00	12:00
	173	32.6	26.0	9.3	0	5	20	77	40	30	23	8	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	13	24.8	19.8	4.8	0	0	1	7	4	0	1	0	0	0	0	0
01:00	12	29.6	21.3	8.0	0	0	1	7	1	2	0	0	1	0	0	0
02:00	11	41.2	30.0	10.8	0	0	0	1	1	6	2	0	0	0	0	1
03:00	12	41.6	30.4	10.8	0	0	0	1	5	1	1	1	1	2	0	0
04:00	24	32.1	25.4	6.4	0	0	1	5	4	8	5	1	0	0	0	0
05:00	171	32.9	25.7	6.9	0	1	5	42	22	49	42	7	3	0	0	0
06:00	253	32.6	23.3	9.0	0	4	47	72	24	29	47	26	3	1	0	0
07:00	355	30.1	22.7	7.2	0	7	41	90	83	86	31	13	1	3	0	0
08:00	345	27.7	21.2	6.3	0	2	40	137	83	48	24	9	2	0	0	0
09:00	250	28.5	21.7	6.5	0	5	23	87	60	47	23	4	0	1	0	0
10:00	206	28.8	22.2	6.4	0	3	23	60	42	59	15	4	0	0	0	0
11:00	220	27.8	21.3	6.3	0	0	26	93	39	42	15	2	3	0	0	0
12:00	273	27.9	21.1	6.5	0	2	30	121	50	39	21	9	1	0	0	0
13:00	318	29.2	22.1	6.9	0	2	18	138	68	54	23	9	3	1	2	0
14:00	360	29.0	21.7	7.0	0	3	44	143	62	54	40	9	5	0	0	0
15:00	364	29.0	21.5	7.2	0	6	42	159	50	51	39	13	3	1	0	0
16:00	435	28.7	21.8	6.7	0	4	28	205	70	68	40	16	4	0	0	0
17:00	442	30.4	22.4	7.8	0	7	43	168	78	72	47	17	6	1	2	1
18:00	285	30.3	22.8	7.2	0	0	27	103	48	64	25	16	1	0	0	1
19:00	215	29.8	22.2	7.3	0	2	19	84	47	32	19	6	3	3	0	0
20:00	148	30.5	23.7	6.6	0	0	6	54	21	39	23	4	1	0	0	0
21:00	143	26.5	20.5	5.8	0	2	9	70	38	15	7	1	0	0	1	0
22:00	85	27.2	21.4	5.6	0	1	4	38	19	17	5	1	0	0	0	0
23:00	42	35.6	26.2	9.0	0	0	4	12	3	5	9	8	1	0	0	0
Total																
2H(10-12)	426	28.3	21.7	6.4	0	3	49	153	81	101	30	6	3	0	0	0
2H(14-16)	724	29.0	21.6	7.1	0	9	86	302	112	105	79	22	8	1	0	0
12H(7-19)	3853	29.1	21.9	6.9	0	41	385	1504	733	684	343	121	29	7	4	2
24H(0-24)	4982	29.6	22.2	7.1	0	51	482	1897	922	887	504	176	42	13	5	3
AM Peak	07:00	03:00	03:00	02:00	00:00	07:00	06:00	08:00	07:00	07:00	06:00	06:00	05:00	07:00	00:00	02:00
	355	41.6	30.4	10.8	0	7	47	137	83	86	47	26	3	3	0	1
PM Peak	17:00	23:00	23:00	23:00	12:00	17:00	14:00	16:00	17:00	17:00	17:00	17:00	17:00	19:00	13:00	17:00
	442	35.6	26.2	9.0	0	7	44	205	78	72	47	17	6	3	2	1

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

09/06/2023

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	36.6	28.1	8.2	0	0	0	2	0	3	2	0	1	0	0	0
01:00	6	31.8	26.7	4.9	0	0	0	0	3	1	2	0	0	0	0	0
02:00	6	22.8	20.0	2.7	0	0	0	3	3	0	0	0	0	0	0	0
03:00	5	33.5	23.5	9.6	0	0	1	1	1	1	0	1	0	0	0	0
04:00	5	36.5	26.5	9.6	0	0	0	1	2	1	0	0	1	0	0	0
05:00	23	34.6	26.2	8.1	0	0	1	6	2	8	3	1	2	0	0	0
06:00	47	26.5	19.9	6.3	0	1	8	18	13	2	4	1	0	0	0	0
07:00	84	32.6	25.0	7.3	0	1	7	14	18	22	17	3	2	0	0	0
08:00	109	28.2	22.5	5.4	0	0	8	27	40	26	6	2	0	0	0	0
09:00	109	30.2	22.5	7.5	0	3	9	37	24	18	12	3	3	0	0	0
10:00	101	28.9	21.6	7.1	0	4	11	31	26	18	6	4	1	0	0	0
11:00	118	29.2	22.4	6.5	0	1	11	35	31	28	8	3	0	1	0	0
12:00	155	29.0	21.6	7.2	0	1	20	64	25	23	13	7	2	0	0	0
13:00	175	26.9	20.0	6.7	0	10	17	86	24	16	20	2	0	0	0	0
14:00	195	27.5	20.9	6.4	0	4	20	88	32	29	20	1	1	0	0	0
15:00	227	27.9	21.0	6.6	0	1	23	107	43	33	13	2	3	1	1	0
16:00	213	26.7	20.4	6.1	0	2	19	115	36	24	10	5	1	1	0	0
17:00	212	30.5	22.9	7.4	0	2	12	82	47	33	21	9	5	0	1	0
18:00	154	30.0	22.6	7.1	0	1	8	69	26	18	25	4	3	0	0	0
19:00	123	32.6	23.8	8.5	0	0	6	55	14	23	12	6	3	3	1	0
20:00	94	27.2	20.7	6.3	0	0	10	51	9	14	7	3	0	0	0	0
21:00	52	35.4	25.6	9.5	0	0	5	9	18	6	5	5	2	0	2	0
22:00	55	27.6	20.8	6.6	0	0	6	29	8	4	7	0	1	0	0	0
23:00	17	28.8	21.0	7.5	0	0	4	3	7	2	0	0	1	0	0	0
Total																
2H(10-12)	219	29.1	22.0	6.8	0	5	22	66	57	46	14	7	1	1	0	0
2H(14-16)	422	27.7	20.9	6.5	0	5	43	195	75	62	33	3	4	1	1	0
12H(7-19)	1852	28.8	21.7	6.9	0	30	165	755	372	288	171	45	21	3	2	0
24H(0-24)	2293	29.2	21.9	7.1	0	31	206	933	452	353	213	62	32	6	5	0
AM Peak	11:00	00:00	00:00	03:00	00:00	10:00	10:00	09:00	08:00	11:00	07:00	10:00	09:00	11:00	00:00	00:00
	118	36.6	28.1	9.6	0	4	11	37	40	28	17	4	3	1	0	0
PM Peak	15:00	21:00	21:00	21:00	12:00	13:00	15:00	16:00	17:00	15:00	18:00	17:00	17:00	19:00	21:00	12:00
	227	35.4	25.6	9.5	0	10	23	115	47	33	25	9	5	3	2	0

Paul Castle Associates

Direction: Northbound

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	34.1	29.5	4.5	0	0	0	0	0	4	0	1	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
03:00	9	24.1	18.1	5.8	0	0	2	6	0	0	1	0	0	0	0	0
04:00	28	26.3	22.0	4.2	0	0	0	9	15	2	2	0	0	0	0	0
05:00	158	30.6	24.2	6.1	0	0	5	43	36	48	21	3	2	0	0	0
06:00	174	31.4	24.0	7.2	0	1	10	54	36	31	32	8	1	1	0	0
07:00	233	30.3	23.2	6.9	0	1	11	88	44	46	33	8	0	2	0	0
08:00	228	31.0	23.5	7.2	0	2	14	76	43	46	34	10	2	1	0	0
09:00	126	26.7	20.1	6.4	0	0	22	63	11	16	12	2	0	0	0	0
10:00	128	27.4	20.8	6.4	0	0	15	63	17	22	6	4	1	0	0	0
11:00	135	27.5	20.4	6.9	0	3	22	58	19	16	13	4	0	0	0	0
12:00	130	29.6	22.3	7.1	0	2	6	61	18	20	16	6	1	0	0	0
13:00	155	29.9	22.4	7.2	0	3	12	64	17	31	20	8	0	0	0	0
14:00	121	31.8	23.0	8.5	0	2	11	49	18	14	14	7	5	1	0	0
15:00	172	28.5	22.0	6.3	0	0	11	79	28	30	19	5	0	0	0	0
16:00	170	29.5	21.8	7.5	0	0	25	73	16	25	21	9	1	0	0	0
17:00	157	29.3	21.8	7.2	0	0	13	77	22	22	14	6	2	0	1	0
18:00	134	31.6	23.7	7.6	0	0	6	54	21	26	16	8	1	1	1	0
19:00	113	32.7	24.2	8.2	0	0	4	49	18	8	20	10	3	1	0	0
20:00	53	33.8	24.8	8.7	0	0	5	16	10	4	11	4	3	0	0	0
21:00	60	30.1	23.8	6.1	0	0	2	17	16	18	4	2	1	0	0	0
22:00	26	36.9	28.3	8.3	0	0	1	3	7	2	9	2	1	1	0	0
23:00	19	24.2	20.7	3.4	0	0	1	6	11	1	0	0	0	0	0	0
Total																
2H(10-12)	263	27.5	20.6	6.6	0	3	37	121	36	38	19	8	1	0	0	0
2H(14-16)	293	29.9	22.4	7.3	0	2	22	128	46	44	33	12	5	1	0	0
12H(7-19)	1889	29.6	22.2	7.2	0	13	168	805	274	314	218	77	13	5	2	0
24H(0-24)	2535	30.1	22.7	7.2	0	14	198	1009	423	432	318	107	24	8	2	0
AM Peak	07:00	00:00	00:00	06:00	00:00	11:00	09:00	07:00	07:00	05:00	08:00	08:00	05:00	07:00	00:00	00:00
	233	34.1	29.5	7.2	0	3	22	88	44	48	34	10	2	2	0	0
PM Peak	15:00	22:00	22:00	20:00	12:00	13:00	16:00	15:00	15:00	13:00	16:00	19:00	14:00	14:00	17:00	12:00
	172	36.9	28.3	8.7	0	3	25	79	28	31	21	10	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	13	35.7	28.7	6.8	0	0	0	2	0	7	2	1	1	0	0	0
01:00	6	31.8	26.7	4.9	0	0	0	0	3	1	2	0	0	0	0	0
02:00	7	22.4	19.6	2.7	0	0	0	4	3	0	0	0	0	0	0	0
03:00	14	27.8	20.0	7.5	0	0	3	7	1	1	1	1	0	0	0	0
04:00	33	28.2	22.7	5.4	0	0	0	10	17	3	2	0	1	0	0	0
05:00	181	31.1	24.5	6.4	0	0	6	49	38	56	24	4	4	0	0	0
06:00	221	30.6	23.1	7.2	0	2	18	72	49	33	36	9	1	1	0	0
07:00	317	31.0	23.7	7.0	0	2	18	102	62	68	50	11	2	2	0	0
08:00	337	30.1	23.2	6.7	0	2	22	103	83	72	40	12	2	1	0	0
09:00	235	28.4	21.2	7.0	0	3	31	100	35	34	24	5	3	0	0	0
10:00	229	28.1	21.1	6.7	0	4	26	94	43	40	12	8	2	0	0	0
11:00	253	28.4	21.3	6.8	0	4	33	93	50	44	21	7	0	1	0	0
12:00	285	29.3	21.9	7.1	0	3	26	125	43	43	29	13	3	0	0	0
13:00	330	28.5	21.1	7.1	0	13	29	150	41	47	40	10	0	0	0	0
14:00	316	29.3	21.7	7.3	0	6	31	137	50	43	34	8	6	1	0	0
15:00	399	28.2	21.4	6.5	0	1	34	186	71	63	32	7	3	1	1	0
16:00	383	28.0	21.0	6.8	0	2	44	188	52	49	31	14	2	1	0	0
17:00	369	30.0	22.4	7.3	0	2	25	159	69	55	35	15	7	0	2	0
18:00	288	30.8	23.1	7.4	0	1	14	123	47	44	41	12	4	1	1	0
19:00	236	32.6	24.0	8.4	0	0	10	104	32	31	32	16	6	4	1	0
20:00	147	29.9	22.2	7.5	0	0	15	67	19	18	18	7	3	0	0	0
21:00	112	32.8	24.6	7.9	0	0	7	26	34	24	9	7	3	0	2	0
22:00	81	31.4	23.2	8.0	0	0	7	32	15	6	16	2	2	1	0	0
23:00	36	26.6	20.8	5.6	0	0	5	9	18	3	0	0	1	0	0	0
Total																
2H(10-12)	482	28.2	21.2	6.7	0	8	59	187	93	84	33	15	2	1	0	0
2H(14-16)	715	28.7	21.5	6.9	0	7	65	323	121	106	66	15	9	2	1	0
12H(7-19)	3741	29.2	22.0	7.0	0	43	333	1560	646	602	389	122	34	8	4	0
24H(0-24)	4828	29.7	22.3	7.2	0	45	404	1942	875	785	531	169	56	14	7	0
AM Peak	08:00	00:00	00:00	03:00	00:00	10:00	11:00	08:00	08:00	08:00	07:00	08:00	05:00	07:00	00:00	00:00
	337	35.7	28.7	7.5	0	4	33	103	83	72	50	12	4	2	0	0
PM Peak	15:00	21:00	21:00	19:00	12:00	13:00	16:00	16:00	15:00	15:00	18:00	19:00	17:00	19:00	17:00	12:00
	399	32.8	24.6	8.4	0	13	44	188	71	63	41	16	7	4	2	0

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

10/06/2023

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	16	29.6	23.1	6.3	0	0	0	6	6	1	2	1	0	0	0	0
01:00	6	37.6	29.2	8.2	0	0	0	1	0	3	1	0	1	0	0	0
02:00	6	27.5	27.5	0.0	0	0	0	0	0	6	0	0	0	0	0	0
03:00	4	37.4	23.8	13.1	0	0	1	1	1	0	0	0	1	0	0	0
04:00	3	17.5	17.5	0.0	0	0	0	3	0	0	0	0	0	0	0	0
05:00	12	41.0	28.3	12.2	0	0	1	4	0	2	1	2	0	2	0	0
06:00	38	26.8	21.2	5.4	0	0	3	14	15	3	2	1	0	0	0	0
07:00	30	41.1	30.3	10.4	0	0	2	5	2	6	2	8	4	0	1	0
08:00	75	29.7	23.2	6.3	0	1	3	22	20	21	5	2	1	0	0	0
09:00	89	27.2	21.2	5.8	0	0	7	41	19	14	6	2	0	0	0	0
10:00	123	28.2	20.8	7.2	0	3	12	62	16	17	9	1	2	0	1	0
11:00	135	28.6	20.9	7.4	0	3	17	62	17	19	11	4	1	0	1	0
12:00	147	27.7	20.7	6.8	0	3	19	67	20	22	11	4	1	0	0	0
13:00	151	29.1	21.5	7.3	0	3	17	64	23	19	18	5	2	0	0	0
14:00	172	29.0	21.0	7.7	0	1	29	77	21	21	11	8	3	0	1	0
15:00	133	27.9	20.5	7.1	0	3	16	68	13	18	7	7	1	0	0	0
16:00	141	28.0	21.3	6.4	0	0	16	61	27	20	13	3	1	0	0	0
17:00	123	31.6	23.4	8.0	0	0	10	46	23	18	16	5	4	0	1	0
18:00	104	28.5	21.3	6.9	0	2	12	45	12	17	14	2	0	0	0	0
19:00	75	29.7	21.4	8.1	0	1	8	40	6	8	6	3	2	1	0	0
20:00	79	29.8	22.1	7.5	0	0	10	31	13	14	6	3	1	1	0	0
21:00	46	34.6	24.7	9.6	0	0	6	16	3	6	7	4	4	0	0	0
22:00	42	27.6	20.6	6.7	0	1	3	22	8	4	2	1	1	0	0	0
23:00	17	26.6	19.3	7.1	0	0	4	7	5	0	0	0	1	0	0	0
Total																
2H(10-12)	258	28.4	20.9	7.3	0	6	29	124	33	36	20	5	3	0	2	0
2H(14-16)	305	28.5	20.8	7.4	0	4	45	145	34	39	18	15	4	0	1	0
12H(7-19)	1423	29.1	21.5	7.3	0	19	160	620	213	212	123	51	20	0	5	0
24H(0-24)	1767	29.4	21.7	7.4	0	21	196	765	270	259	150	66	31	4	5	0
AM Peak	11:00	07:00	07:00	03:00	00:00	10:00	11:00	10:00	08:00	08:00	11:00	07:00	07:00	05:00	07:00	00:00
	135	41.1	30.3	13.1	0	3	17	62	20	21	11	8	4	2	1	0
PM Peak	14:00	21:00	21:00	21:00	12:00	12:00	14:00	14:00	16:00	12:00	13:00	14:00	17:00	19:00	14:00	12:00
	172	34.6	24.7	9.6	0	3	29	77	27	22	18	8	4	1	1	0

Paul Castle Associates

Direction: Northbound

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	9	30.2	20.8	9.0	0	1	2	0	4	1	0	1	0	0	0	0
01:00	5	30.8	28.5	2.2	0	0	0	0	0	4	1	0	0	0	0	0
02:00	1	-	27.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	6	42.6	34.2	8.2	0	0	0	0	1	1	1	1	2	0	0	0
04:00	13	29.9	23.3	6.4	0	0	2	2	2	6	1	0	0	0	0	0
05:00	50	26.9	21.1	5.6	0	0	2	26	12	6	2	2	0	0	0	0
06:00	61	33.0	24.4	8.3	0	0	4	21	9	13	8	3	1	2	0	0
07:00	93	30.9	23.8	6.8	0	0	7	26	21	17	18	4	0	0	0	0
08:00	105	28.9	21.3	7.3	0	0	11	59	4	14	10	6	1	0	0	0
09:00	158	27.3	20.7	6.4	0	1	16	84	18	22	12	4	1	0	0	0
10:00	153	27.2	21.0	6.0	0	0	16	73	22	27	13	2	0	0	0	0
11:00	164	29.3	21.3	7.7	0	0	29	72	12	26	13	10	1	1	0	0
12:00	149	29.0	21.5	7.2	0	0	16	75	16	15	21	3	3	0	0	0
13:00	149	29.1	22.0	6.9	0	2	5	80	16	21	16	9	0	0	0	0
14:00	127	27.9	21.3	6.4	0	0	5	75	15	17	10	3	2	0	0	0
15:00	115	29.9	22.2	7.5	0	1	10	52	17	13	14	6	2	0	0	0
16:00	103	29.7	22.1	7.3	0	0	6	55	12	10	14	3	3	0	0	0
17:00	96	33.9	25.4	8.2	0	0	3	34	11	18	18	7	4	1	0	0
18:00	76	32.7	24.1	8.3	0	0	4	32	10	9	12	6	2	1	0	0
19:00	63	30.9	22.8	7.8	0	0	4	29	10	8	5	5	2	0	0	0
20:00	52	32.5	23.9	8.2	0	0	4	20	6	8	10	2	1	1	0	0
21:00	40	32.7	22.5	9.9	0	1	6	15	7	3	2	3	1	2	0	0
22:00	27	28.4	20.6	7.5	0	0	5	12	4	3	0	3	0	0	0	0
23:00	15	33.7	23.5	9.9	0	0	3	4	2	3	1	0	2	0	0	0
Total																
2H(10-12)	317	28.3	21.2	6.9	0	0	45	145	34	53	26	12	1	1	0	0
2H(14-16)	242	28.9	21.7	6.9	0	1	15	127	32	30	24	9	4	0	0	0
12H(7-19)	1488	29.5	22.0	7.2	0	4	128	717	174	209	171	63	19	3	0	0
24H(0-24)	1830	29.9	22.2	7.4	0	6	160	846	231	266	202	83	28	8	0	0
AM Peak	11:00 164	03:00 42.6	03:00 34.2	00:00 9.0	00:00 0	00:00 1	11:00 29	09:00 84	10:00 22	10:00 27	07:00 18	11:00 10	03:00 2	06:00 2	00:00 0	00:00 0
PM Peak	12:00 149	17:00 33.9	17:00 25.4	21:00 9.9	12:00 0	13:00 2	12:00 16	13:00 80	15:00 17	13:00 21	12:00 21	13:00 9	17:00 4	21:00 2	12:00 0	12:00 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	25	29.9	22.3	7.3	0	1	2	6	10	2	2	2	0	0	0	0
01:00	11	35.0	28.9	6.0	0	0	0	1	0	7	2	0	1	0	0	0
02:00	7	27.5	27.5	0.0	0	0	0	0	0	7	0	0	0	0	0	0
03:00	10	41.5	30.0	11.1	0	0	1	1	2	1	1	1	3	0	0	0
04:00	16	28.6	22.2	6.2	0	0	2	5	2	6	1	0	0	0	0	0
05:00	62	30.6	22.5	7.8	0	0	3	30	12	8	3	4	0	2	0	0
06:00	99	30.9	23.2	7.5	0	0	7	35	24	16	10	4	1	2	0	0
07:00	123	34.0	25.4	8.3	0	0	9	31	23	23	20	12	4	0	1	0
08:00	180	29.3	22.1	6.9	0	1	14	81	24	35	15	8	2	0	0	0
09:00	247	27.3	20.9	6.2	0	1	23	125	37	36	18	6	1	0	0	0
10:00	276	27.7	20.9	6.6	0	3	28	135	38	44	22	3	2	0	1	0
11:00	299	29.0	21.1	7.6	0	3	46	134	29	45	24	14	2	1	1	0
12:00	296	28.3	21.1	7.0	0	3	35	142	36	37	32	7	4	0	0	0
13:00	300	29.1	21.8	7.1	0	5	22	144	39	40	34	14	2	0	0	0
14:00	299	28.5	21.1	7.2	0	1	34	152	36	38	21	11	5	0	1	0
15:00	248	28.8	21.3	7.3	0	4	26	120	30	31	21	13	3	0	0	0
16:00	244	28.7	21.6	6.8	0	0	22	116	39	30	27	6	4	0	0	0
17:00	219	32.7	24.3	8.1	0	0	13	80	34	36	34	12	8	1	1	0
18:00	180	30.4	22.5	7.6	0	2	16	77	22	26	26	8	2	1	0	0
19:00	138	30.3	22.0	7.9	0	1	12	69	16	16	11	8	4	1	0	0
20:00	131	30.9	22.8	7.8	0	0	14	51	19	22	16	5	2	2	0	0
21:00	86	33.7	23.7	9.7	0	1	12	31	10	9	9	7	5	2	0	0
22:00	69	27.8	20.6	7.0	0	1	8	34	12	7	2	4	1	0	0	0
23:00	32	30.2	21.3	8.6	0	0	7	11	7	3	1	0	3	0	0	0
Total																
2H(10-12)	575	28.4	21.0	7.1	0	6	74	269	67	89	46	17	4	1	2	0
2H(14-16)	547	28.7	21.2	7.2	0	5	60	272	66	69	42	24	8	0	1	0
12H(7-19)	2911	29.3	21.8	7.3	0	23	288	1337	387	421	294	114	39	3	5	0
24H(0-24)	3597	29.6	21.9	7.4	0	27	356	1611	501	525	352	149	59	12	5	0
AM Peak	11:00 299	03:00 41.5	03:00 30.0	03:00 11.1	00:00 0	10:00 3	11:00 46	10:00 135	10:00 38	11:00 45	11:00 24	11:00 14	07:00 4	05:00 2	07:00 1	00:00 0
PM Peak	13:00 300	21:00 33.7	17:00 24.3	21:00 9.7	12:00 0	13:00 5	12:00 35	14:00 152	13:00 39	13:00 40	13:00 34	13:00 14	17:00 8	20:00 2	14:00 1	12:00 0

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

11/06/2023

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	18	23.2	17.8	5.3	0	0	5	10	1	1	1	0	0	0	0	0
01:00	10	29.2	23.0	6.0	0	0	0	4	3	1	2	0	0	0	0	0
02:00	7	30.4	23.9	6.3	0	0	0	1	5	0	0	1	0	0	0	0
03:00	3	41.5	32.5	8.7	0	0	0	0	0	2	0	0	1	0	0	0
04:00	3	31.5	22.5	8.7	0	0	1	0	0	2	0	0	0	0	0	0
05:00	10	36.6	27.0	9.3	0	0	1	2	1	2	1	3	0	0	0	0
06:00	16	27.9	20.6	7.0	0	1	0	7	7	0	0	0	1	0	0	0
07:00	28	32.1	23.0	8.7	0	0	5	8	5	4	2	3	1	0	0	0
08:00	53	29.0	21.8	6.9	0	0	6	20	12	9	3	2	1	0	0	0
09:00	62	28.8	20.6	7.9	0	1	14	26	2	9	7	2	1	0	0	0
10:00	113	29.2	21.9	7.0	0	0	9	54	18	13	13	4	2	0	0	0
11:00	118	26.4	20.2	6.0	0	0	16	61	16	11	14	0	0	0	0	0
12:00	130	27.8	20.3	7.2	0	1	30	50	14	21	8	5	1	0	0	0
13:00	109	28.7	20.9	7.5	0	2	19	41	18	14	11	2	1	1	0	0
14:00	146	27.6	20.4	6.9	0	4	22	63	20	22	10	4	1	0	0	0
15:00	129	30.3	22.0	8.1	0	0	25	42	21	18	15	3	4	1	0	0
16:00	105	28.0	20.6	7.1	0	0	16	53	11	11	10	1	3	0	0	0
17:00	156	32.3	23.8	8.1	0	1	15	54	18	25	29	11	2	1	0	0
18:00	92	29.2	21.5	7.4	0	5	8	33	18	17	7	2	2	0	0	0
19:00	76	28.9	21.4	7.3	0	1	11	31	9	14	5	5	0	0	0	0
20:00	69	32.3	23.2	8.8	0	1	11	23	2	17	8	5	1	1	0	0
21:00	44	34.6	24.7	9.5	0	1	5	12	6	6	9	1	3	1	0	0
22:00	33	25.9	18.3	7.4	0	2	10	13	2	2	3	1	0	0	0	0
23:00	11	35.4	21.8	13.1	0	0	2	5	3	0	0	0	0	0	0	1
Total																
2H(10-12)	231	27.8	21.0	6.6	0	0	25	115	34	24	27	4	2	0	0	0
2H(14-16)	275	28.9	21.1	7.5	0	4	47	105	41	40	25	7	5	1	0	0
12H(7-19)	1241	29.1	21.4	7.4	0	14	185	505	173	174	129	39	19	3	0	0
24H(0-24)	1541	29.4	21.5	7.6	0	20	231	613	212	221	158	55	25	5	0	1
AM Peak	11:00	03:00	03:00	05:00	00:00	06:00	11:00	11:00	10:00	10:00	11:00	10:00	10:00	00:00	00:00	00:00
	118	41.5	32.5	9.3	0	1	16	61	18	13	14	4	2	0	0	0
PM Peak	17:00	23:00	21:00	23:00	12:00	18:00	12:00	14:00	15:00	17:00	17:00	17:00	15:00	13:00	12:00	23:00
	156	35.4	24.7	13.1	0	5	30	63	21	25	29	11	4	1	0	1

Paul Castle Associates

Direction: Northbound

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	11	23.8	20.2	3.4	0	0	0	6	4	1	0	0	0	0	0	0
01:00	1	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
02:00	7	27.3	21.8	5.3	0	0	0	3	3	0	1	0	0	0	0	0
03:00	1	-	22.5	-	0	0	0	0	1	0	0	0	0	0	0	0
04:00	10	34.3	24.5	9.5	0	0	1	3	2	2	0	1	1	0	0	0
05:00	33	34.7	24.8	9.6	0	0	5	10	2	4	8	2	1	1	0	0
06:00	34	38.9	28.1	10.4	0	0	3	9	2	3	7	5	4	1	0	0
07:00	50	30.9	22.2	8.4	0	0	5	24	6	7	4	2	1	0	1	0
08:00	119	34.9	26.5	8.1	0	0	8	29	10	26	28	14	4	0	0	0
09:00	100	27.8	20.1	7.4	0	2	13	58	8	6	5	6	2	0	0	0
10:00	133	28.7	21.4	7.1	0	0	18	59	20	12	18	6	0	0	0	0
11:00	117	29.0	21.3	7.4	0	1	11	64	10	11	11	8	1	0	0	0
12:00	157	29.2	21.9	7.0	0	1	12	78	18	20	19	9	0	0	0	0
13:00	149	30.3	22.7	7.3	0	0	5	76	19	20	18	8	2	1	0	0
14:00	104	31.2	23.1	7.8	0	1	9	41	13	17	14	7	2	0	0	0
15:00	91	30.6	22.7	7.7	0	2	10	30	15	15	15	2	2	0	0	0
16:00	82	29.8	21.9	7.6	0	0	11	37	7	12	9	5	1	0	0	0
17:00	99	31.0	22.8	7.9	0	1	7	42	14	17	11	4	2	0	1	0
18:00	72	31.6	23.3	8.0	0	0	7	28	8	13	9	5	2	0	0	0
19:00	85	28.9	20.4	8.1	0	6	11	38	8	8	8	5	1	0	0	0
20:00	31	32.5	24.1	8.1	0	0	2	12	4	5	3	5	0	0	0	0
21:00	28	35.1	22.8	11.9	0	0	4	15	2	2	1	1	0	2	0	1
22:00	24	28.6	21.7	6.7	0	0	3	10	3	4	4	0	0	0	0	0
23:00	3	26.8	20.8	5.8	0	0	0	2	0	1	0	0	0	0	0	0
Total																
2H(10-12)	250	28.8	21.4	7.2	0	1	29	123	30	23	29	14	1	0	0	0
2H(14-16)	195	30.9	22.9	7.7	0	3	19	71	28	32	29	9	4	0	0	0
12H(7-19)	1273	30.5	22.5	7.7	0	8	116	566	148	176	161	76	19	1	2	0
24H(0-24)	1541	30.8	22.6	7.9	0	14	145	675	179	206	193	95	26	5	2	1
AM Peak	10:00 133	06:00 38.9	06:00 28.1	06:00 10.4	00:00 0	09:00 2	10:00 18	11:00 64	10:00 20	08:00 26	08:00 28	08:00 14	06:00 4	05:00 1	07:00 1	00:00 0
PM Peak	12:00 157	21:00 35.1	20:00 24.1	21:00 11.9	12:00 0	19:00 6	12:00 12	12:00 78	13:00 19	12:00 20	12:00 19	12:00 9	13:00 2	21:00 2	17:00 1	21:00 1

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	29	23.6	18.7	4.8	0	0	5	16	5	2	1	0	0	0	0	0
01:00	11	28.6	22.5	5.9	0	0	0	5	3	1	2	0	0	0	0	0
02:00	14	28.8	22.9	5.7	0	0	0	4	8	0	1	1	0	0	0	0
03:00	4	39.0	30.0	8.7	0	0	0	0	1	2	0	0	1	0	0	0
04:00	13	33.4	24.0	9.0	0	0	2	3	2	4	0	1	1	0	0	0
05:00	43	35.1	25.3	9.5	0	0	6	12	3	6	9	5	1	1	0	0
06:00	50	36.1	25.7	10.0	0	1	3	16	9	3	7	5	5	1	0	0
07:00	78	31.3	22.5	8.5	0	0	10	32	11	11	6	5	2	0	1	0
08:00	172	33.4	25.1	8.0	0	0	14	49	22	35	31	16	5	0	0	0
09:00	162	28.1	20.3	7.6	0	3	27	84	10	15	12	8	3	0	0	0
10:00	246	28.9	21.6	7.0	0	0	27	113	38	25	31	10	2	0	0	0
11:00	235	27.7	20.8	6.7	0	1	27	125	26	22	25	8	1	0	0	0
12:00	287	28.6	21.2	7.1	0	2	42	128	32	41	27	14	1	0	0	0
13:00	258	29.7	22.0	7.4	0	2	24	117	37	34	29	10	3	2	0	0
14:00	250	29.2	21.5	7.4	0	5	31	104	33	39	24	11	3	0	0	0
15:00	220	30.5	22.3	7.9	0	2	35	72	36	33	30	5	6	1	0	0
16:00	187	28.8	21.2	7.4	0	0	27	90	18	23	19	6	4	0	0	0
17:00	255	31.8	23.4	8.0	0	2	22	96	32	42	40	15	4	1	1	0
18:00	164	30.3	22.3	7.7	0	5	15	61	26	30	16	7	4	0	0	0
19:00	161	28.9	20.9	7.7	0	7	22	69	17	22	13	10	1	0	0	0
20:00	100	32.3	23.5	8.5	0	1	13	35	6	22	11	10	1	1	0	0
21:00	72	34.8	23.9	10.5	0	1	9	27	8	8	10	2	3	3	0	1
22:00	57	27.2	19.7	7.3	0	2	13	23	5	6	7	1	0	0	0	0
23:00	14	33.8	21.6	11.8	0	0	2	7	3	1	0	0	0	0	0	1
Total																
2H(10-12)	481	28.4	21.2	6.9	0	1	54	238	64	47	56	18	3	0	0	0
2H(14-16)	470	29.8	21.9	7.6	0	7	66	176	69	72	54	16	9	1	0	0
12H(7-19)	2514	29.8	21.9	7.6	0	22	301	1071	321	350	290	115	38	4	2	0
24H(0-24)	3082	30.1	22.0	7.8	0	34	376	1288	391	427	351	150	51	10	2	2
AM Peak	10:00	03:00	03:00	06:00	00:00	09:00	09:00	11:00	10:00	08:00	08:00	08:00	06:00	05:00	07:00	00:00
	246	39.0	30.0	10.0	0	3	27	125	38	35	31	16	5	1	1	0
PM Peak	12:00	21:00	21:00	23:00	12:00	19:00	12:00	12:00	13:00	17:00	17:00	17:00	15:00	21:00	17:00	21:00
	287	34.8	23.9	11.8	0	7	42	128	37	42	40	15	6	3	1	1

Paul Castle Associates

Tween Bridge ATC 1, Marshland Road

Direction: Southbound

12/06/2023

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	9	26.0	19.2	6.6	0	0	3	2	3	0	1	0	0	0	0	0
01:00	5	26.2	22.5	3.5	0	0	0	1	3	1	0	0	0	0	0	0
02:00	4	18.0	15.0	2.9	0	0	2	2	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	9	31.8	23.1	8.5	0	0	0	6	0	0	2	1	0	0	0	0
05:00	27	41.2	29.5	11.3	0	0	3	5	2	4	1	7	3	2	0	0
06:00	37	29.0	23.0	5.7	0	0	0	13	13	7	3	0	1	0	0	0
07:00	80	32.8	25.7	6.9	0	0	4	15	16	23	17	4	0	1	0	0
08:00	102	29.2	22.2	6.8	0	2	5	43	20	17	12	2	0	1	0	0
09:00	89	28.3	21.7	6.4	0	1	7	36	20	16	6	2	1	0	0	0
10:00	104	28.1	20.9	7.0	0	2	14	46	13	18	5	6	0	0	0	0
11:00	97	27.4	20.4	6.8	0	1	20	38	8	20	9	1	0	0	0	0
12:00	115	27.5	20.2	7.0	0	1	22	54	9	15	10	3	1	0	0	0
13:00	138	27.7	20.8	6.7	0	2	22	53	24	24	10	1	2	0	0	0
14:00	172	28.7	21.1	7.3	0	3	24	72	25	26	12	8	2	0	0	0
15:00	164	28.1	21.0	6.8	0	1	17	82	25	17	16	4	1	1	0	0
16:00	254	28.2	21.3	6.7	0	2	29	116	31	43	27	4	2	0	0	0
17:00	295	27.6	21.0	6.3	0	5	30	128	52	54	21	3	1	1	0	0
18:00	387	25.3	19.8	5.4	0	0	40	221	71	31	16	7	0	1	0	0
19:00	236	23.6	18.6	4.8	0	2	35	143	35	10	9	2	0	0	0	0
20:00	231	24.4	18.6	5.6	0	14	22	132	41	10	8	4	0	0	0	0
21:00	133	23.0	18.4	4.4	0	3	15	82	23	8	1	1	0	0	0	0
22:00	104	24.6	19.3	5.1	0	0	10	66	17	5	3	3	0	0	0	0
23:00	47	29.7	21.4	8.0	0	0	7	18	12	5	2	1	1	0	1	0
Total																
2H(10-12)	201	27.8	20.7	6.9	0	3	34	84	21	38	14	7	0	0	0	0
2H(14-16)	336	28.4	21.1	7.0	0	4	41	154	50	43	28	12	3	1	0	0
12H(7-19)	1997	27.8	21.0	6.6	0	20	234	904	314	304	161	45	10	5	0	0
24H(0-24)	2840	27.2	20.5	6.5	0	39	331	1374	463	355	191	64	15	7	1	0
AM Peak	10:00	05:00	05:00	05:00	00:00	08:00	11:00	10:00	08:00	07:00	07:00	05:00	05:00	05:00	00:00	00:00
	104	41.2	29.5	11.3	0	2	20	46	20	23	17	7	3	2	0	0
PM Peak	18:00	23:00	23:00	23:00	12:00	20:00	18:00	18:00	18:00	17:00	16:00	14:00	13:00	15:00	23:00	12:00
	387	29.7	21.4	8.0	0	14	40	221	71	54	27	8	2	1	1	0

Paul Castle Associates

Direction: Northbound

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	7	25.2	23.2	1.9	0	0	0	0	6	1	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	3	43.9	30.8	12.6	0	0	0	1	0	0	1	0	1	0	0	0
03:00	6	20.8	17.5	3.2	0	0	1	4	1	0	0	0	0	0	0	0
04:00	31	31.9	23.3	8.3	0	0	3	14	1	4	7	1	1	0	0	0
05:00	148	31.6	22.8	8.5	0	0	19	61	18	15	21	6	7	1	0	0
06:00	147	30.9	22.9	7.7	0	0	11	62	25	20	14	12	2	1	0	0
07:00	209	28.4	21.1	7.1	0	1	20	114	20	27	11	14	2	0	0	0
08:00	167	28.0	20.3	7.4	0	2	27	89	14	8	15	11	1	0	0	0
09:00	112	28.9	21.1	7.5	0	3	15	50	8	22	8	5	0	1	0	0
10:00	133	27.8	20.7	6.8	0	1	18	65	17	14	13	4	1	0	0	0
11:00	102	31.4	23.5	7.6	0	0	6	43	10	21	13	7	2	0	0	0
12:00	99	28.2	21.4	6.6	0	0	14	40	15	15	14	1	0	0	0	0
13:00	127	28.3	21.0	7.0	0	1	19	55	15	21	10	6	0	0	0	0
14:00	135	29.1	20.9	7.9	0	8	16	57	15	16	17	4	2	0	0	0
15:00	140	29.7	22.0	7.5	0	4	8	68	13	22	16	8	1	0	0	0
16:00	159	31.2	23.3	7.6	0	0	20	50	21	31	26	10	1	0	0	0
17:00	186	25.2	18.7	6.2	0	4	32	109	19	7	11	1	2	1	0	0
18:00	242	23.1	18.2	4.7	0	3	28	173	23	5	4	6	0	0	0	0
19:00	245	22.0	17.5	4.3	0	4	48	157	25	4	5	2	0	0	0	0
20:00	157	21.5	17.2	4.1	0	3	36	92	21	3	1	1	0	0	0	0
21:00	145	21.1	17.4	3.6	0	1	26	100	13	3	2	0	0	0	0	0
22:00	59	20.0	17.2	2.7	0	0	10	42	7	0	0	0	0	0	0	0
23:00	33	25.3	18.7	6.4	0	1	3	24	2	1	0	1	1	0	0	0
Total																
2H(10-12)	235	29.5	21.9	7.3	0	1	24	108	27	35	26	11	3	0	0	0
2H(14-16)	275	29.4	21.5	7.7	0	12	24	125	28	38	33	12	3	0	0	0
12H(7-19)	1811	28.1	20.8	7.1	0	27	223	913	190	209	158	77	12	2	0	0
24H(0-24)	2792	27.4	20.3	6.9	0	36	380	1470	309	260	209	100	24	4	0	0
AM Peak	07:00	02:00	02:00	02:00	00:00	09:00	08:00	07:00	06:00	07:00	05:00	07:00	05:00	05:00	00:00	00:00
	209	43.9	30.8	12.6	0	3	27	114	25	27	21	14	7	1	0	0
PM Peak	19:00	16:00	16:00	14:00	12:00	14:00	19:00	18:00	19:00	16:00	16:00	16:00	14:00	17:00	12:00	12:00
	245	31.2	23.3	7.9	0	8	48	173	25	31	26	10	2	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	16	26.5	20.9	5.4	0	0	3	2	9	1	1	0	0	0	0	0
01:00	5	26.2	22.5	3.5	0	0	0	1	3	1	0	0	0	0	0	0
02:00	7	33.5	21.8	11.3	0	0	2	3	0	0	1	0	1	0	0	0
03:00	7	23.9	18.9	4.8	0	0	1	4	1	1	0	0	0	0	0	0
04:00	40	31.8	23.3	8.2	0	0	3	20	1	4	9	2	1	0	0	0
05:00	175	33.5	23.8	9.3	0	0	22	66	20	19	22	13	10	3	0	0
06:00	184	30.6	23.0	7.3	0	0	11	75	38	27	17	12	3	1	0	0
07:00	289	30.0	22.4	7.3	0	1	24	129	36	50	28	18	2	1	0	0
08:00	269	28.5	21.0	7.2	0	4	32	132	34	25	27	13	1	1	0	0
09:00	201	28.7	21.4	7.0	0	4	22	86	28	38	14	7	1	1	0	0
10:00	237	27.9	20.8	6.9	0	3	32	111	30	32	18	10	1	0	0	0
11:00	199	29.6	22.0	7.3	0	1	26	81	18	41	22	8	2	0	0	0
12:00	214	27.8	20.7	6.8	0	1	36	94	24	30	24	4	1	0	0	0
13:00	265	28.0	20.9	6.8	0	3	41	108	39	45	20	7	2	0	0	0
14:00	307	28.8	21.0	7.5	0	11	40	129	40	42	29	12	4	0	0	0
15:00	304	28.8	21.5	7.1	0	5	25	150	38	39	32	12	2	1	0	0
16:00	413	29.4	22.1	7.1	0	2	49	166	52	74	53	14	3	0	0	0
17:00	481	26.7	20.1	6.4	0	9	62	237	71	61	32	4	3	2	0	0
18:00	629	24.5	19.2	5.2	0	3	68	394	94	36	20	13	0	1	0	0
19:00	481	22.8	18.0	4.6	0	6	83	300	60	14	14	4	0	0	0	0
20:00	388	23.3	18.1	5.1	0	17	58	224	62	13	9	5	0	0	0	0
21:00	278	22.1	17.9	4.0	0	4	41	182	36	11	3	1	0	0	0	0
22:00	163	23.2	18.6	4.5	0	0	20	108	24	5	3	3	0	0	0	0
23:00	80	28.0	20.3	7.5	0	1	10	42	14	6	2	2	2	0	1	0
Total																
2H(10-12)	436	28.7	21.3	7.1	0	4	58	192	48	73	40	18	3	0	0	0
2H(14-16)	611	28.8	21.2	7.3	0	16	65	279	78	81	61	24	6	1	0	0
12H(7-19)	3808	28.0	20.9	6.8	0	47	457	1817	504	513	319	122	22	7	0	0
24H(0-24)	5632	27.3	20.4	6.7	0	75	711	2844	772	615	400	164	39	11	1	0
AM Peak	07:00	02:00	05:00	02:00	00:00	08:00	08:00	08:00	06:00	07:00	07:00	07:00	05:00	05:00	00:00	00:00
	289	33.5	23.8	11.3	0	4	32	132	38	50	28	18	10	3	0	0
PM Peak	18:00	16:00	16:00	14:00	12:00	20:00	19:00	18:00	18:00	16:00	16:00	16:00	14:00	17:00	23:00	12:00
	629	29.4	22.1	7.5	0	17	83	394	94	74	53	14	4	2	1	0

Paul Castle Associates



Appendix B: Automatic Traffic Survey Reports – Link 2

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	5	3	1	4	6	7	3	3	4
01:00	4	3	1	0	4	1	0	2	3
02:00	2	1	3	2	1	5	3	2	2
03:00	5	5	6	6	4	1	10	6	5
04:00	12	16	19	16	9	9	22	17	15
05:00	85	85	81	87	36	23	110	90	72
06:00	98	116	104	92	36	17	105	103	81
07:00	142	151	134	137	50	40	151	143	115
08:00	116	149	150	142	78	46	137	139	117
09:00	79	89	88	85	119	77	77	84	86
10:00	82	71	82	89	100	102	97	84	89
11:00	69	61	80	115	109	98	76	80	87
12:00	76	87	110	91	113	112	81	89	96
13:00	98	86	120	111	106	96	86	100	100
14:00	80	98	97	96	92	71	118	98	93
15:00	117	110	120	138	76	54	104	118	103
16:00	133	113	120	142	74	53	110	128	109
17:00	102	129	109	125	54	67	202	133	113
18:00	65	74	75	84	45	52	246	109	92
19:00	60	67	53	70	44	60	225	95	83
20:00	24	36	31	35	34	19	154	56	48
21:00	39	40	47	32	27	19	138	59	49
22:00	6	13	13	16	21	18	62	22	21
23:00	5	8	8	12	13	4	32	13	12
Total									
12H(7-19)	1159	1238	1286	1355	1016	868	1485	1305	1201
16H(6-22)	1380	1497	1521	1584	1157	983	2107	1618	1461
18H(6-24)	1391	1518	1542	1612	1191	1005	2201	1653	1494
24H(0-24)	1504	1631	1653	1727	1251	1051	2349	1773	1595
AM Peak	07:00	07:00	08:00	08:00	09:00	10:00	07:00	07:00	08:00
	142	151	150	142	119	102	151	143	117
PM Peak	16:00	16:00	13:00	16:00	12:00	12:00	18:00	17:00	17:00
	133	138	120	142	113	112	246	138	113

Paul Castle Associates

Direction: Northeastbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	8	4	9	4	12	15	7	6	8
01:00	4	6	7	6	4	9	2	5	5
02:00	5	4	5	6	4	5	5	5	5
03:00	6	6	4	6	4	4	4	5	5
04:00	6	5	6	8	2	2	16	8	9
05:00	16	13	23	16	9	8	29	19	16
06:00	39	49	46	45	26	13	52	46	39
07:00	73	78	77	62	21	19	57	69	55
08:00	67	98	106	74	43	33	92	91	76
09:00	69	91	70	78	66	51	78	77	72
10:00	76	67	73	83	96	79	76	75	79
11:00	78	62	84	81	101	101	73	76	83
12:00	78	87	85	112	110	89	90	93	93
13:00	86	93	116	140	117	90	99	107	106
14:00	126	121	151	148	130	108	124	134	130
15:00	120	118	140	179	99	86	117	135	123
16:00	189	203	189	178	107	76	187	189	161
17:00	192	198	191	158	70	77	215	191	157
18:00	102	130	133	115	74	65	354	167	139
19:00	63	97	95	88	55	58	232	115	98
20:00	55	52	58	68	52	49	207	88	77
21:00	38	41	55	39	29	35	123	59	51
22:00	41	43	50	40	29	29	92	53	46
23:00	11	14	14	18	16	9	36	19	17
Total									
12H(7-19)	1276	1346	1415	1408	1034	874	1562	1401	1274
16H(6-22)	1471	1585	1669	1648	1196	1029	2176	1710	1539
18H(6-24)	1523	1642	1733	1705	1241	1067	2304	1782	1602
24H(0-24)	1568	1680	1787	1752	1276	1110	2367	1831	1649
AM Peak	08:00	08:00	08:00	10:00	11:00	11:00	08:00	08:00	11:00
	87	96	106	83	101	101	92	91	83
PM Peak	17:00	16:00	17:00	15:00	14:00	14:00	18:00	17:00	16:00
	192	209	191	179	130	108	354	191	161

Paul Castle Associates

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	13	7	10	8	18	22	10	10	13
01:00	8	9	8	6	8	10	2	7	7
02:00	7	5	8	8	5	10	8	7	7
03:00	11	11	10	12	8	5	14	12	10
04:00	18	21	25	24	11	11	38	25	21
05:00	101	98	104	103	45	31	139	109	89
06:00	137	165	150	137	62	30	157	149	120
07:00	215	229	211	199	71	59	208	212	170
08:00	203	247	256	216	121	79	229	230	193
09:00	148	180	159	163	185	128	155	161	160
10:00	158	138	155	172	196	181	173	159	168
11:00	147	123	164	196	210	199	149	156	170
12:00	154	174	195	203	223	201	171	179	189
13:00	184	179	236	251	223	186	185	207	206
14:00	206	219	248	244	222	179	242	232	223
15:00	237	228	260	317	175	140	221	253	225
16:00	322	336	309	320	161	129	297	317	271
17:00	294	327	300	283	124	144	417	324	270
18:00	167	204	208	199	119	117	600	276	231
19:00	123	164	148	158	99	118	457	210	181
20:00	78	88	89	103	86	68	361	144	125
21:00	77	81	102	71	56	54	261	118	100
22:00	47	56	63	56	50	47	154	75	68
23:00	16	22	22	30	29	13	68	32	29
Total									
12H(7-19)	2435	2584	2701	2763	2050	1742	3047	2706	2475
16H(6-22)	2851	3082	3190	3232	2353	2012	4283	3328	3000
18H(6-24)	2914	3160	3175	3311	2432	2072	4505	3434	3097
24H(0-24)	3072	3311	3440	3479	2527	2161	4716	3604	3244
AM Peak	07:00	08:00	08:00	08:00	11:00	11:00	08:00	08:00	08:00
	215	247	256	216	218	199	229	230	193
PM Peak	16:00	16:00	16:00	16:00	12:00	12:00	18:00	17:00	16:00
	322	336	309	320	223	201	600	324	271

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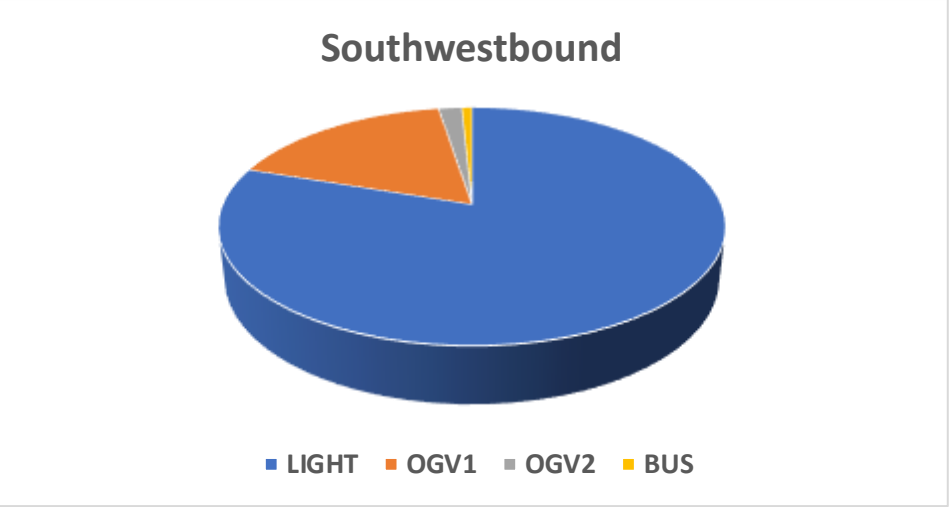


Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1504	1166	300	26	12
Wed 7 Jun 2023	1631	1289	302	29	11
Thu 8 Jun 2023	1653	1285	313	37	18
Fri 9 Jun 2023	1727	1364	316	30	17
Sat 10 Jun 2023	1251	1062	180	6	3
Sun 11 Jun 2023	1051	899	145	6	1
Mon 12 Jun 2023	2349	1885	376	64	24
5 Day Ave.	1773	1398	321	37	16
7 Day Ave.	1595	1279	276	28	12

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	77.5%	19.9%	1.7%	0.8%
Wed 7 Jun 2023	100.0%	79.0%	18.5%	1.8%	0.7%
Thu 8 Jun 2023	100.0%	77.7%	18.9%	2.2%	1.1%
Fri 9 Jun 2023	100.0%	79.0%	18.3%	1.7%	1.0%
Sat 10 Jun 2023	100.0%	84.9%	14.4%	0.5%	0.2%
Sun 11 Jun 2023	100.0%	85.5%	13.8%	0.6%	0.1%
Mon 12 Jun 2023	100.0%	80.2%	16.0%	2.7%	1.0%
5 Day Ave.	100.0%	78.8%	18.1%	2.1%	0.9%
7 Day Ave.	100.0%	80.2%	17.3%	1.8%	0.8%

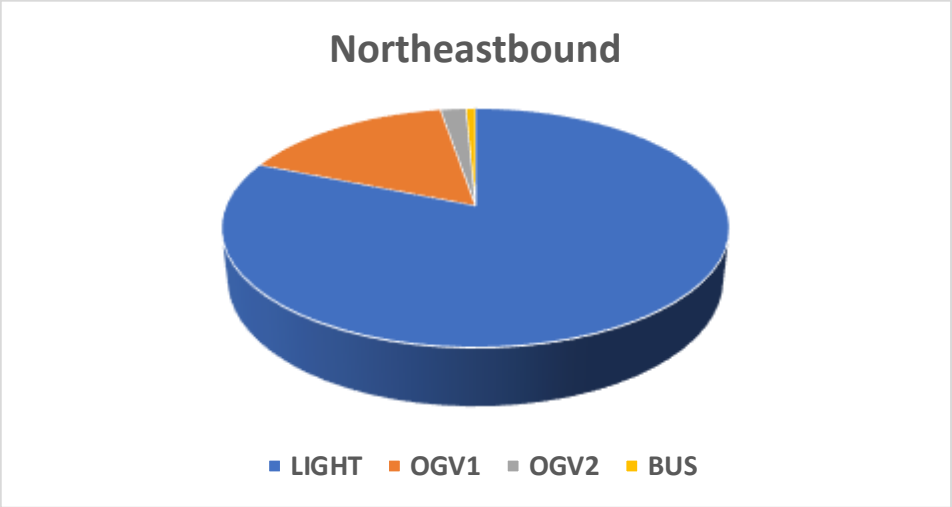
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Direction: Northeastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1568	1226	295	35	12
Wed 7 Jun 2023	1680	1328	308	33	11
Thu 8 Jun 2023	1787	1410	314	48	15
Fri 9 Jun 2023	1752	1366	307	60	19
Sat 10 Jun 2023	1276	1100	164	8	4
Sun 11 Jun 2023	1110	980	118	8	4
Mon 12 Jun 2023	2367	1956	360	33	18
5 Day Ave.	1831	1457	317	42	15
7 Day Ave.	1649	1338	267	32	12

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	78.2%	18.8%	2.2%	0.8%
Wed 7 Jun 2023	100.0%	79.0%	18.3%	2.0%	0.7%
Thu 8 Jun 2023	100.0%	78.9%	17.6%	2.7%	0.8%
Fri 9 Jun 2023	100.0%	78.0%	17.5%	3.4%	1.1%
Sat 10 Jun 2023	100.0%	86.2%	12.9%	0.6%	0.3%
Sun 11 Jun 2023	100.0%	88.3%	10.6%	0.7%	0.4%
Mon 12 Jun 2023	100.0%	82.6%	15.2%	1.4%	0.8%
5 Day Ave.	100.0%	79.6%	17.3%	2.3%	0.8%
7 Day Ave.	100.0%	81.2%	16.2%	1.9%	0.7%

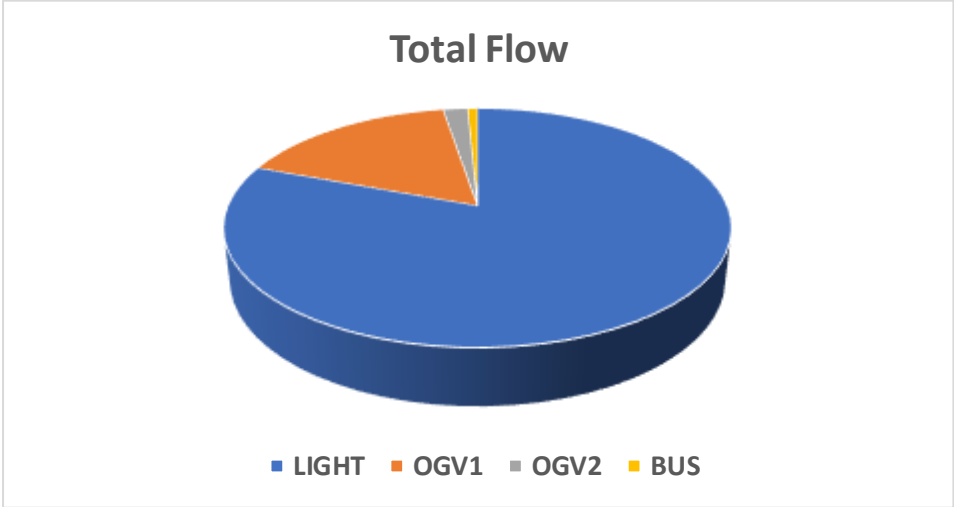
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	3072	2392	595	61	24
Wed 7 Jun 2023	3311	2617	610	62	22
Thu 8 Jun 2023	3440	2695	627	85	33
Fri 9 Jun 2023	3479	2730	623	90	36
Sat 10 Jun 2023	2527	2162	344	14	7
Sun 11 Jun 2023	2161	1879	263	14	5
Mon 12 Jun 2023	4716	3841	736	97	42
5 Day Ave.	3604	2855	638	79	31
7 Day Ave.	3244	2617	543	60	24

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	77.9%	19.4%	2.0%	0.8%
Wed 7 Jun 2023	100.0%	79.0%	18.4%	1.9%	0.7%
Thu 8 Jun 2023	100.0%	78.3%	18.2%	2.5%	1.0%
Fri 9 Jun 2023	100.0%	78.5%	17.9%	2.6%	1.0%
Sat 10 Jun 2023	100.0%	85.6%	13.6%	0.6%	0.3%
Sun 11 Jun 2023	100.0%	87.0%	12.2%	0.6%	0.2%
Mon 12 Jun 2023	100.0%	81.4%	15.6%	2.1%	0.9%
5 Day Ave.	100.0%	79.2%	17.7%	2.2%	0.9%
7 Day Ave.	100.0%	80.7%	16.7%	1.9%	0.7%

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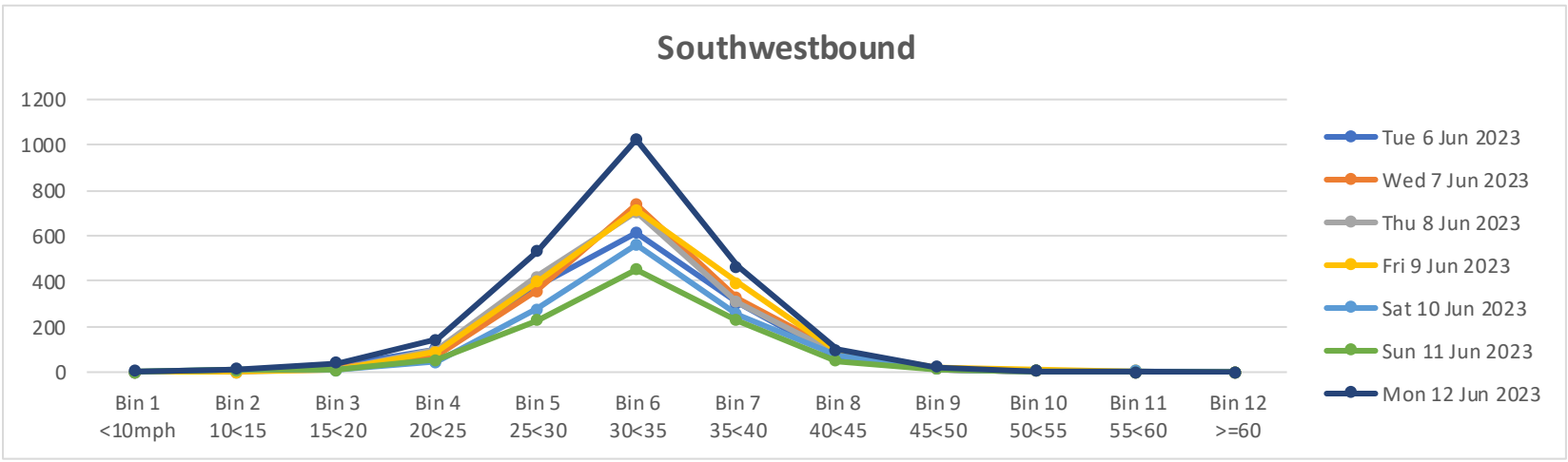


Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	1504	37.6	31.9	5.5	0	1	30	101	374	613	302	65	13	3	1	1
Wed 7 Jun 2023	1631	37.9	32.4	5.4	1	6	22	76	357	738	324	88	13	6	0	0
Thu 8 Jun 2023	1653	37.6	32.1	5.3	1	4	15	98	420	705	308	83	14	3	2	0
Fri 9 Jun 2023	1727	38.2	32.6	5.4	0	2	15	89	396	714	392	90	19	7	3	0
Sat 10 Jun 2023	1251	38.4	32.7	5.5	1	7	9	45	279	561	255	71	15	5	3	0
Sun 11 Jun 2023	1051	38.3	32.3	5.7	2	10	11	55	228	451	227	48	14	4	1	0
Mon 12 Jun 2023	2349	37.7	32.0	5.6	4	12	40	145	531	1024	466	99	21	5	2	0
5 Day Ave.	1773	37.8	32.2	5.4	1	5	24	102	416	759	358	85	16	5	2	0
7 Day Ave.	1595	38.0	32.3	5.5	1	6	20	87	369	687	325	78	16	5	2	0

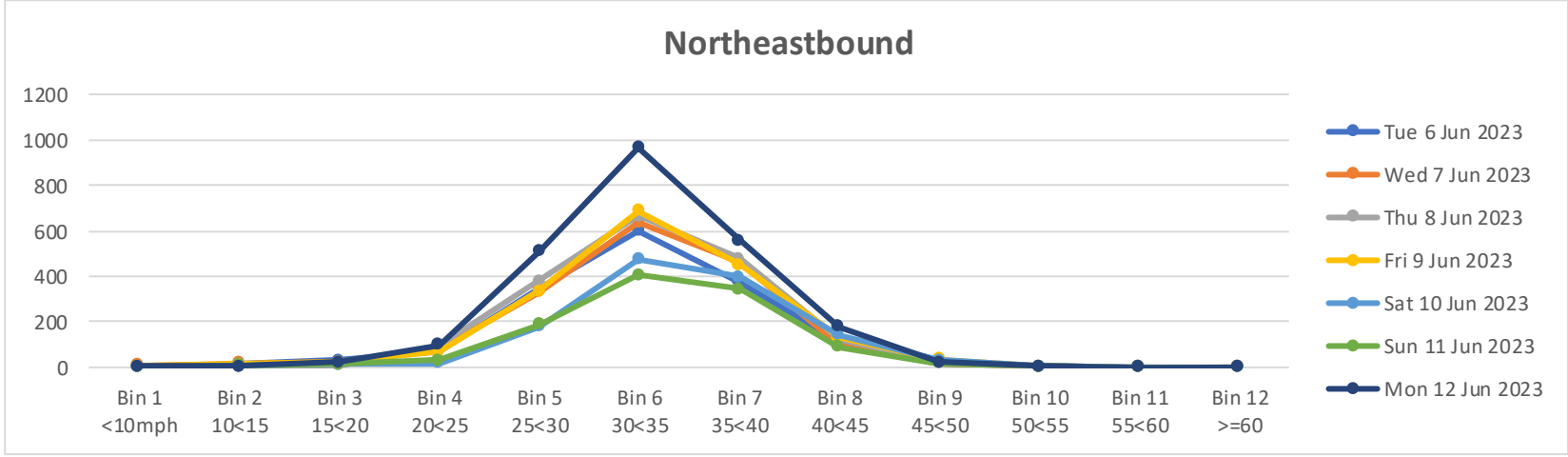
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Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	1568	38.7	32.6	5.9	0	12	30	68	350	599	375	113	17	3	0	1
Wed 7 Jun 2023	1680	38.9	32.7	6.1	8	19	24	80	329	637	461	98	19	5	0	0
Thu 8 Jun 2023	1787	38.8	33.0	5.6	2	7	9	93	378	667	477	125	24	5	0	0
Fri 9 Jun 2023	1752	39.4	33.2	5.9	3	12	24	67	336	686	449	131	38	5	1	0
Sat 10 Jun 2023	1276	40.4	34.5	5.7	0	7	13	20	180	474	399	144	33	6	0	0
Sun 11 Jun 2023	1110	39.8	33.7	5.9	1	10	15	30	188	407	346	88	17	7	1	0
Mon 12 Jun 2023	2367	38.6	32.9	5.5	3	7	22	97	508	965	560	177	21	6	1	0
5 Day Ave.	1831	38.9	32.9	5.8	3	11	22	81	380	711	464	129	24	5	0	0
7 Day Ave.	1649	39.2	33.2	5.8	2	11	20	65	324	634	438	125	24	5	0	0

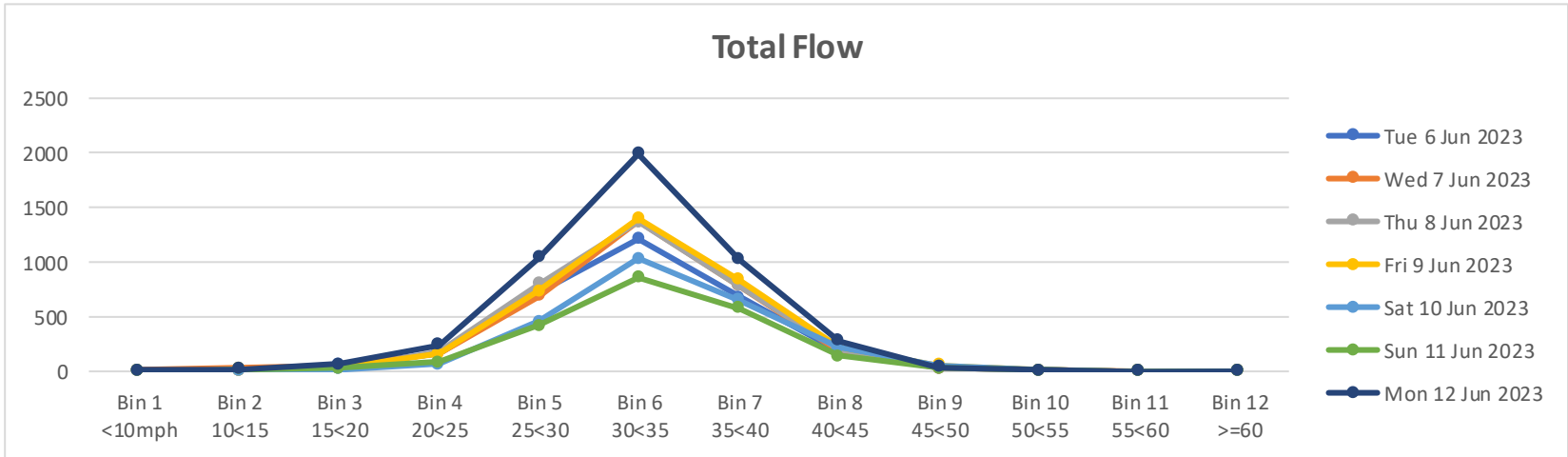
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	3072	38.2	32.3	5.7	0	13	60	169	724	1212	677	178	30	6	1	2
Wed 7 Jun 2023	3311	38.5	32.5	5.7	9	25	46	156	686	1375	785	186	32	11	0	0
Thu 8 Jun 2023	3440	38.3	32.6	5.5	3	11	24	191	798	1372	785	208	38	8	2	0
Fri 9 Jun 2023	3479	38.8	32.9	5.7	3	14	39	156	732	1400	841	221	57	12	4	0
Sat 10 Jun 2023	2527	39.5	33.6	5.7	1	14	22	65	459	1035	654	215	48	11	3	0
Sun 11 Jun 2023	2161	39.1	33.0	5.9	3	20	26	85	416	858	573	136	31	11	2	0
Mon 12 Jun 2023	4716	38.2	32.4	5.5	7	19	62	242	1039	1989	1026	276	42	11	3	0
5 Day Ave.	3604	38.4	32.5	5.6	4	16	46	183	796	1470	823	214	40	10	2	0
7 Day Ave.	3244	38.7	32.8	5.7	4	17	40	152	693	1320	763	203	40	10	2	0

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Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	151	35.7	29.8	5.7	0	0	9	17	47	58	14	5	1	0	0	0
Wed 7 Jun 2023	132	35.7	30.6	4.9	0	1	2	10	43	56	17	3	0	0	0	0
Thu 8 Jun 2023	162	35.5	30.2	5.1	0	1	1	19	62	53	21	5	0	0	0	0
Fri 9 Jun 2023	204	36.7	30.7	5.8	0	1	8	15	68	74	29	5	4	0	0	0
Sat 10 Jun 2023	209	37.7	32.6	4.9	0	1	2	4	44	105	41	9	3	0	0	0
Sun 11 Jun 2023	200	37.9	32.1	5.6	0	2	1	12	49	87	34	13	1	1	0	0
Mon 12 Jun 2023	173	37.2	31.8	5.2	0	0	3	9	52	62	38	9	0	0	0	0
5 Day Ave.	164	36.2	30.6	5.3	0	1	5	14	54	61	24	5	1	0	0	0
7 Day Ave.	176	36.6	31.1	5.3	0	1	4	12	52	71	28	7	1	0	0	0

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Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	154	36.1	30.5	5.4	0	2	4	13	46	63	23	2	1	0	0	0
Wed 7 Jun 2023	129	38.4	32.1	6.1	0	3	2	8	26	48	35	6	1	0	0	0
Thu 8 Jun 2023	157	37.8	31.9	5.7	0	2	1	14	36	57	41	4	2	0	0	0
Fri 9 Jun 2023	164	36.5	30.8	5.5	0	0	6	15	44	69	25	3	2	0	0	0
Sat 10 Jun 2023	197	39.7	33.7	5.8	0	0	6	3	38	71	53	23	3	0	0	0
Sun 11 Jun 2023	180	39.4	33.5	5.7	0	2	3	5	28	71	53	16	2	0	0	0
Mon 12 Jun 2023	149	38.9	32.8	5.8	0	0	2	6	42	49	34	12	4	0	0	0
5 Day Ave.	151	37.5	31.6	5.7	0	1	3	11	39	57	32	5	2	0	0	0
7 Day Ave.	161	38.1	32.2	5.7	0	1	3	9	37	61	38	9	2	0	0	0

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	305	35.9	30.2	5.6	0	2	13	30	93	121	37	7	2	0	0	0
Wed 7 Jun 2023	261	37.1	31.4	5.6	0	4	4	18	69	104	52	9	1	0	0	0
Thu 8 Jun 2023	319	36.7	31.0	5.5	0	3	2	33	98	110	62	9	2	0	0	0
Fri 9 Jun 2023	368	36.6	30.7	5.6	0	1	14	30	112	143	54	8	6	0	0	0
Sat 10 Jun 2023	406	38.7	33.1	5.4	0	1	8	7	82	176	94	32	6	0	0	0
Sun 11 Jun 2023	380	38.6	32.8	5.7	0	4	4	17	77	158	87	29	3	1	0	0
Mon 12 Jun 2023	322	38.0	32.3	5.5	0	0	5	15	94	111	72	21	4	0	0	0
5 Day Ave.	315	36.9	31.1	5.6	0	2	8	25	93	118	55	11	3	0	0	0
7 Day Ave.	337	37.4	31.6	5.6	0	2	7	21	89	132	65	16	3	0	0	0

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Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	197	37.4	32.3	5.0	0	0	0	16	43	81	49	7	1	0	0	0
Wed 7 Jun 2023	208	37.0	31.9	5.0	0	0	4	14	45	95	42	8	0	0	0	0
Thu 8 Jun 2023	217	37.4	32.0	5.2	0	0	1	18	53	88	46	9	2	0	0	0
Fri 9 Jun 2023	234	37.9	33.1	4.7	0	0	1	7	46	105	62	11	2	0	0	0
Sat 10 Jun 2023	168	37.9	33.1	4.6	0	0	0	5	34	79	38	11	1	0	0	0
Sun 11 Jun 2023	125	39.4	33.3	5.9	1	1	2	2	18	58	33	8	1	1	0	0
Mon 12 Jun 2023	222	37.7	32.6	4.9	0	0	1	14	38	109	48	9	3	0	0	0
5 Day Ave.	216	37.5	32.4	4.9	0	0	1	14	45	96	49	9	2	0	0	0
7 Day Ave.	196	37.8	32.6	5.0	0	0	1	11	40	88	45	9	1	0	0	0

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Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	246	38.4	32.2	5.9	0	2	5	13	60	94	53	15	3	1	0	0
Wed 7 Jun 2023	239	37.9	32.1	5.6	1	2	4	12	53	98	59	9	0	1	0	0
Thu 8 Jun 2023	291	38.9	33.2	5.6	1	1	3	14	51	109	91	18	3	0	0	0
Fri 9 Jun 2023	327	38.5	32.7	5.6	0	2	5	11	75	134	72	23	4	1	0	0
Sat 10 Jun 2023	229	39.9	34.3	5.4	0	1	1	4	39	81	78	18	6	1	0	0
Sun 11 Jun 2023	194	39.3	33.7	5.3	0	1	1	5	33	78	59	13	3	1	0	0
Mon 12 Jun 2023	241	39.4	33.5	5.7	3	0	3	9	26	110	66	24	0	0	0	0
5 Day Ave.	269	38.6	32.7	5.7	1	1	4	12	53	109	68	18	2	1	0	0
7 Day Ave.	252	38.9	33.1	5.6	1	1	3	10	48	101	68	17	3	1	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	443	38.0	32.3	5.5	0	2	5	29	103	175	102	22	4	1	0	0
Wed 7 Jun 2023	447	37.5	32.0	5.3	1	2	8	26	98	193	101	17	0	1	0	0
Thu 8 Jun 2023	508	38.3	32.7	5.4	1	1	4	32	104	197	137	27	5	0	0	0
Fri 9 Jun 2023	561	38.3	32.9	5.2	0	2	6	18	121	239	134	34	6	1	0	0
Sat 10 Jun 2023	397	39.1	33.8	5.1	0	1	1	9	73	160	116	29	7	1	0	0
Sun 11 Jun 2023	319	39.3	33.6	5.6	1	2	3	7	51	136	92	21	4	2	0	0
Mon 12 Jun 2023	463	38.6	33.1	5.4	3	0	4	23	64	219	114	33	3	0	0	0
5 Day Ave.	484	38.1	32.6	5.4	1	1	5	26	98	205	118	27	4	1	0	0
7 Day Ave.	448	38.4	32.9	5.4	1	1	4	21	88	188	114	26	4	1	0	0

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	4	1	0	0
01:00	4	2	1	1	0
02:00	2	1	0	1	0
03:00	5	5	0	0	0
04:00	12	12	0	0	0
05:00	85	66	15	3	1
06:00	98	74	23	1	0
07:00	142	114	23	3	2
08:00	116	90	23	3	0
09:00	79	65	12	2	0
10:00	82	51	26	2	3
11:00	69	48	18	2	1
12:00	76	57	17	1	1
13:00	98	80	15	1	2
14:00	80	56	22	1	1
15:00	117	87	30	0	0
16:00	133	104	27	1	1
17:00	102	84	15	3	0
18:00	65	54	11	0	0
19:00	60	48	12	0	0
20:00	24	22	2	0	0
21:00	39	34	5	0	0
22:00	6	5	0	1	0
23:00	5	3	2	0	0
Total					
12H(7-19)	1159	890	239	19	11
16H(6-22)	1380	1068	281	20	11
18H(6-24)	1391	1076	283	21	11
24H(0-24)	1504	1166	300	26	12
AM Peak	07:00 142	07:00 114	10:00 26	05:00 3	10:00 3
PM Peak	16:00 133	16:00 104	15:00 30	17:00 3	13:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	0	1	0
01:00	4	3	0	1	0
02:00	5	3	2	0	0
03:00	6	4	1	1	0
04:00	6	4	2	0	0
05:00	16	15	1	0	0
06:00	39	25	12	1	1
07:00	73	56	14	2	1
08:00	87	63	24	0	0
09:00	69	42	23	2	2
10:00	76	44	26	4	2
11:00	78	60	14	2	2
12:00	78	61	14	2	1
13:00	86	69	15	2	0
14:00	126	102	20	3	1
15:00	120	96	22	2	0
16:00	189	149	34	4	2
17:00	192	159	31	2	0
18:00	102	85	14	3	0
19:00	63	50	12	1	0
20:00	55	50	5	0	0
21:00	38	30	6	2	0
22:00	41	39	2	0	0
23:00	11	10	1	0	0
Total					
12H(7-19)	1276	986	251	28	11
16H(6-22)	1471	1141	286	32	12
18H(6-24)	1523	1190	289	32	12
24H(0-24)	1568	1226	295	35	12
AM Peak	08:00 87	08:00 63	10:00 26	10:00 4	09:00 2
PM Peak	17:00 192	17:00 159	16:00 34	16:00 4	16:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	11	1	1	0
01:00	8	5	1	2	0
02:00	7	4	2	1	0
03:00	11	9	1	1	0
04:00	18	16	2	0	0
05:00	101	81	16	3	1
06:00	137	99	35	2	1
07:00	215	170	37	5	3
08:00	203	153	47	3	0
09:00	148	107	35	4	2
10:00	158	95	52	6	5
11:00	147	108	32	4	3
12:00	154	118	31	3	2
13:00	184	149	30	3	2
14:00	206	158	42	4	2
15:00	237	183	52	2	0
16:00	322	253	61	5	3
17:00	294	243	46	5	0
18:00	167	139	25	3	0
19:00	123	98	24	1	0
20:00	79	72	7	0	0
21:00	77	64	11	2	0
22:00	47	44	2	1	0
23:00	16	13	3	0	0
Total					
12H(7-19)	2435	1876	490	47	22
16H(6-22)	2851	2209	567	52	23
18H(6-24)	2914	2266	572	53	23
24H(0-24)	3072	2392	595	61	24
AM Peak	07:00 215	07:00 170	10:00 52	10:00 6	10:00 5
PM Peak	16:00 322	16:00 253	16:00 61	16:00 5	16:00 3

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	1	2	0	0
01:00	3	3	0	0	0
02:00	1	1	0	0	0
03:00	5	4	1	0	0
04:00	16	14	1	1	0
05:00	85	68	11	6	0
06:00	116	86	26	3	1
07:00	151	122	27	1	1
08:00	149	123	23	1	2
09:00	89	72	15	1	1
10:00	71	50	17	4	0
11:00	61	43	17	0	1
12:00	87	68	16	3	0
13:00	86	64	20	1	1
14:00	98	71	23	3	1
15:00	110	82	25	1	2
16:00	133	109	23	1	0
17:00	129	107	20	2	0
18:00	74	61	13	0	0
19:00	67	59	7	0	1
20:00	36	31	5	0	0
21:00	40	34	5	1	0
22:00	13	9	4	0	0
23:00	8	7	1	0	0
Total					
12H(7-19)	1238	972	239	18	9
16H(6-22)	1497	1182	282	22	11
18H(6-24)	1518	1198	287	22	11
24H(0-24)	1631	1289	302	29	11
AM Peak	07:00 151	08:00 123	07:00 27	05:00 6	08:00 2
PM Peak	16:00 133	16:00 109	15:00 25	12:00 3	15:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	6	4	2	0	0
02:00	4	4	0	0	0
03:00	6	3	3	0	0
04:00	5	4	1	0	0
05:00	13	13	0	0	0
06:00	49	34	12	1	2
07:00	78	64	14	0	0
08:00	98	71	26	0	1
09:00	91	65	20	4	2
10:00	67	47	19	1	0
11:00	62	37	21	3	1
12:00	87	64	21	2	0
13:00	93	72	19	2	0
14:00	121	93	25	3	0
15:00	118	92	23	2	1
16:00	203	162	33	5	3
17:00	198	166	28	4	0
18:00	130	111	15	4	0
19:00	97	81	16	0	0
20:00	52	44	5	2	1
21:00	41	39	2	0	0
22:00	43	41	2	0	0
23:00	14	13	1	0	0
Total					
12H(7-19)	1346	1044	264	30	8
16H(6-22)	1585	1242	299	33	11
18H(6-24)	1642	1296	302	33	11
24H(0-24)	1680	1328	308	33	11
AM Peak	08:00 98	08:00 71	08:00 26	09:00 4	06:00 2
PM Peak	16:00 203	17:00 166	16:00 33	16:00 5	16:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	5	2	0	0
01:00	9	7	2	0	0
02:00	5	5	0	0	0
03:00	11	7	4	0	0
04:00	21	18	2	1	0
05:00	98	81	11	6	0
06:00	165	120	38	4	3
07:00	229	186	41	1	1
08:00	247	194	49	1	3
09:00	180	137	35	5	3
10:00	138	97	36	5	0
11:00	123	80	38	3	2
12:00	174	132	37	5	0
13:00	179	136	39	3	1
14:00	219	164	48	6	1
15:00	228	174	48	3	3
16:00	336	271	56	6	3
17:00	327	273	48	6	0
18:00	204	172	28	4	0
19:00	164	140	23	0	1
20:00	88	75	10	2	1
21:00	81	73	7	1	0
22:00	56	50	6	0	0
23:00	22	20	2	0	0
Total					
12H(7-19)	2584	2016	503	48	17
16H(6-22)	3082	2424	581	55	22
18H(6-24)	3160	2494	589	55	22
24H(0-24)	3311	2617	610	62	22
AM Peak	08:00 247	08:00 194	08:00 49	05:00 6	06:00 3
PM Peak	16:00 336	17:00 273	16:00 56	14:00 6	15:00 3

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	1	0	1	0	0
02:00	3	1	1	1	0
03:00	6	5	1	0	0
04:00	19	14	3	2	0
05:00	81	67	9	5	0
06:00	104	70	29	4	1
07:00	134	104	28	1	1
08:00	150	116	29	3	2
09:00	89	74	13	2	0
10:00	82	56	22	2	2
11:00	80	63	13	1	3
12:00	110	82	22	4	2
13:00	120	92	23	3	2
14:00	97	60	32	3	2
15:00	120	91	27	2	0
16:00	120	99	19	1	1
17:00	109	93	14	2	0
18:00	75	64	10	0	1
19:00	53	43	9	0	1
20:00	31	28	2	1	0
21:00	47	44	3	0	0
22:00	13	11	2	0	0
23:00	8	7	1	0	0
Total					
12H(7-19)	1286	994	252	24	16
16H(6-22)	1521	1179	295	29	18
18H(6-24)	1542	1197	298	29	18
24H(0-24)	1653	1285	313	37	18
AM Peak	08:00 150	08:00 116	06:00 29	05:00 5	11:00 3
PM Peak	13:00 120	16:00 99	14:00 32	12:00 4	12:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	9	0	0	0
01:00	7	4	2	1	0
02:00	5	2	1	2	0
03:00	4	3	1	0	0
04:00	6	5	1	0	0
05:00	23	19	1	2	1
06:00	46	35	9	1	1
07:00	77	59	13	3	2
08:00	106	72	31	2	1
09:00	70	54	14	2	0
10:00	73	51	20	2	0
11:00	84	68	13	1	2
12:00	85	66	13	3	3
13:00	116	83	29	3	1
14:00	151	118	30	3	0
15:00	140	109	29	2	0
16:00	189	154	29	4	2
17:00	191	158	26	6	1
18:00	133	110	20	3	0
19:00	95	75	16	4	0
20:00	58	50	7	1	0
21:00	55	46	6	2	1
22:00	50	48	2	0	0
23:00	14	12	1	1	0
Total					
12H(7-19)	1415	1102	267	34	12
16H(6-22)	1669	1308	305	42	14
18H(6-24)	1733	1368	308	43	14
24H(0-24)	1787	1410	314	48	15
AM Peak	08:00 106	08:00 72	08:00 31	07:00 3	07:00 2
PM Peak	17:00 191	17:00 158	14:00 30	17:00 6	12:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	10	0	0	0
01:00	8	4	3	1	0
02:00	8	3	2	3	0
03:00	10	8	2	0	0
04:00	25	19	4	2	0
05:00	104	86	10	7	1
06:00	150	105	38	5	2
07:00	211	163	41	4	3
08:00	256	188	60	5	3
09:00	159	128	27	4	0
10:00	155	107	42	4	2
11:00	164	131	26	2	5
12:00	195	148	35	7	5
13:00	236	175	52	6	3
14:00	248	178	62	6	2
15:00	260	200	56	4	0
16:00	309	253	48	5	3
17:00	300	251	40	8	1
18:00	208	174	30	3	1
19:00	148	118	25	4	1
20:00	89	78	9	2	0
21:00	102	90	9	2	1
22:00	63	59	4	0	0
23:00	22	19	2	1	0
Total					
12H(7-19)	2701	2096	519	58	28
16H(6-22)	3190	2487	600	71	32
18H(6-24)	3275	2565	606	72	32
24H(0-24)	3440	2695	627	85	33
AM Peak	08:00 256	08:00 188	08:00 60	05:00 7	11:00 5
PM Peak	16:00 309	16:00 253	14:00 62	17:00 8	12:00 5

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	1	0	0
01:00	0	0	0	0	0
02:00	2	2	0	0	0
03:00	6	4	1	1	0
04:00	16	12	3	1	0
05:00	87	76	9	2	0
06:00	92	62	24	5	1
07:00	137	97	35	3	2
08:00	142	117	22	1	2
09:00	85	76	8	0	1
10:00	89	56	29	2	2
11:00	115	87	21	5	2
12:00	91	67	20	3	1
13:00	111	88	21	1	1
14:00	96	70	21	3	2
15:00	138	111	25	1	1
16:00	142	113	28	0	1
17:00	125	105	19	1	0
18:00	84	71	11	1	1
19:00	70	60	10	0	0
20:00	35	32	3	0	0
21:00	32	31	1	0	0
22:00	16	14	2	0	0
23:00	12	10	2	0	0
Total					
12H(7-19)	1355	1058	260	21	16
16H(6-22)	1584	1243	298	26	17
18H(6-24)	1612	1267	302	26	17
24H(0-24)	1727	1364	316	30	17
AM Peak	08:00 142	08:00 117	07:00 35	06:00 5	07:00 2
PM Peak	16:00 142	16:00 113	16:00 28	12:00 3	14:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	6	5	1	0	0
02:00	6	5	0	1	0
03:00	6	3	3	0	0
04:00	8	5	2	0	1
05:00	16	16	0	0	0
06:00	45	29	14	1	1
07:00	62	49	10	2	1
08:00	74	55	17	1	1
09:00	78	56	20	1	1
10:00	83	53	22	5	3
11:00	81	57	16	7	1
12:00	112	80	26	5	1
13:00	140	106	24	8	2
14:00	148	112	27	6	3
15:00	179	144	25	6	4
16:00	178	131	38	9	0
17:00	158	134	20	4	0
18:00	115	105	9	1	0
19:00	88	73	13	2	0
20:00	68	57	11	0	0
21:00	39	34	5	0	0
22:00	40	37	3	0	0
23:00	18	16	1	1	0
Total					
12H(7-19)	1408	1082	254	55	17
16H(6-22)	1648	1275	297	58	18
18H(6-24)	1706	1328	301	59	18
24H(0-24)	1752	1366	307	60	19
AM Peak	10:00 83	11:00 57	10:00 22	11:00 7	10:00 3
PM Peak	15:00 179	15:00 144	16:00 38	16:00 9	15:00 4

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	1	0	0
01:00	6	5	1	0	0
02:00	8	7	0	1	0
03:00	12	7	4	1	0
04:00	24	17	5	1	1
05:00	103	92	9	2	0
06:00	137	91	38	6	2
07:00	199	146	45	5	3
08:00	216	172	39	2	3
09:00	163	132	28	1	2
10:00	172	109	51	7	5
11:00	196	144	37	12	3
12:00	203	147	46	8	2
13:00	251	194	45	9	3
14:00	244	182	48	9	5
15:00	317	255	50	7	5
16:00	320	244	66	9	1
17:00	283	239	39	5	0
18:00	199	176	20	2	1
19:00	158	133	23	2	0
20:00	103	89	14	0	0
21:00	71	65	6	0	0
22:00	56	51	5	0	0
23:00	30	26	3	1	0
Total					
12H(7-19)	2763	2140	514	76	33
16H(6-22)	3232	2518	595	84	35
18H(6-24)	3318	2595	603	85	35
24H(0-24)	3479	2730	623	90	36
AM Peak	08:00 216	08:00 172	10:00 51	11:00 12	10:00 5
PM Peak	16:00 320	15:00 255	16:00 66	13:00 9	14:00 5

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	4	1	1	0
01:00	4	3	1	0	0
02:00	1	1	0	0	0
03:00	4	4	0	0	0
04:00	9	8	1	0	0
05:00	36	33	3	0	0
06:00	36	26	8	1	1
07:00	50	40	9	1	0
08:00	78	59	19	0	0
09:00	119	97	21	1	0
10:00	100	83	16	0	1
11:00	109	98	11	0	0
12:00	113	98	15	0	0
13:00	106	91	15	0	0
14:00	92	79	13	0	0
15:00	76	65	8	2	1
16:00	74	70	4	0	0
17:00	54	44	10	0	0
18:00	45	39	6	0	0
19:00	44	35	9	0	0
20:00	34	31	3	0	0
21:00	27	22	5	0	0
22:00	21	20	1	0	0
23:00	13	12	1	0	0
Total					
12H(7-19)	1016	863	147	4	2
16H(6-22)	1157	977	172	5	3
18H(6-24)	1191	1009	174	5	3
24H(0-24)	1251	1062	180	6	3
AM Peak	09:00 119	11:00 98	09:00 21	00:00 1	06:00 1
PM Peak	12:00 113	12:00 98	12:00 15	15:00 2	15:00 1

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	12	0	0	0
01:00	4	0	2	2	0
02:00	4	1	3	0	0
03:00	4	4	0	0	0
04:00	2	2	0	0	0
05:00	9	7	2	0	0
06:00	26	21	4	0	1
07:00	21	11	10	0	0
08:00	43	31	9	2	1
09:00	66	52	13	1	0
10:00	96	74	21	0	1
11:00	101	95	5	1	0
12:00	110	93	17	0	0
13:00	117	102	14	0	1
14:00	130	116	12	2	0
15:00	99	87	12	0	0
16:00	107	97	10	0	0
17:00	70	63	7	0	0
18:00	74	65	9	0	0
19:00	55	53	2	0	0
20:00	52	48	4	0	0
21:00	29	26	3	0	0
22:00	29	25	4	0	0
23:00	16	15	1	0	0
Total					
12H(7-19)	1034	886	139	6	3
16H(6-22)	1196	1034	152	6	4
18H(6-24)	1241	1074	157	6	4
24H(0-24)	1276	1100	164	8	4
AM Peak	11:00 101	11:00 95	10:00 21	01:00 2	06:00 1
PM Peak	14:00 130	14:00 116	12:00 17	14:00 2	13:00 1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	18	16	1	1	0
01:00	8	3	3	2	0
02:00	5	2	3	0	0
03:00	8	8	0	0	0
04:00	11	10	1	0	0
05:00	45	40	5	0	0
06:00	62	47	12	1	2
07:00	71	51	19	1	0
08:00	121	90	28	2	1
09:00	185	149	34	2	0
10:00	196	157	37	0	2
11:00	210	193	16	1	0
12:00	223	191	32	0	0
13:00	223	193	29	0	1
14:00	222	195	25	2	0
15:00	175	152	20	2	1
16:00	181	167	14	0	0
17:00	124	107	17	0	0
18:00	119	104	15	0	0
19:00	99	88	11	0	0
20:00	86	79	7	0	0
21:00	56	48	8	0	0
22:00	50	45	5	0	0
23:00	29	27	2	0	0
Total					
12H(7-19)	2050	1749	286	10	5
16H(6-22)	2353	2011	324	11	7
18H(6-24)	2432	2083	331	11	7
24H(0-24)	2527	2162	344	14	7
AM Peak	11:00 210	11:00 193	10:00 37	01:00 2	06:00 2
PM Peak	12:00 223	14:00 195	12:00 32	14:00 2	13:00 1

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	3	4	0	0
01:00	1	1	0	0	0
02:00	5	4	1	0	0
03:00	1	1	0	0	0
04:00	9	7	1	1	0
05:00	23	23	0	0	0
06:00	17	12	3	2	0
07:00	40	28	11	1	0
08:00	46	38	8	0	0
09:00	77	65	11	1	0
10:00	102	89	13	0	0
11:00	98	84	14	0	0
12:00	112	95	16	0	1
13:00	96	87	9	0	0
14:00	71	60	11	0	0
15:00	54	50	4	0	0
16:00	53	46	7	0	0
17:00	67	60	7	0	0
18:00	52	42	10	0	0
19:00	60	51	8	1	0
20:00	19	16	3	0	0
21:00	19	18	1	0	0
22:00	18	15	3	0	0
23:00	4	4	0	0	0
Total					
12H(7-19)	868	744	121	2	1
16H(6-22)	983	841	136	5	1
18H(6-24)	1005	860	139	5	1
24H(0-24)	1051	899	145	6	1
AM Peak	10:00 102	10:00 89	11:00 14	06:00 2	00:00 0
PM Peak	12:00 112	12:00 95	12:00 16	19:00 1	12:00 1

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	13	2	0	0
01:00	9	8	1	0	0
02:00	5	4	1	0	0
03:00	4	4	0	0	0
04:00	2	0	1	1	0
05:00	8	8	0	0	0
06:00	13	7	6	0	0
07:00	19	13	5	1	0
08:00	33	30	3	0	0
09:00	51	44	6	0	1
10:00	79	69	9	0	1
11:00	101	93	7	1	0
12:00	89	78	11	0	0
13:00	90	81	8	1	0
14:00	108	96	12	0	0
15:00	86	78	8	0	0
16:00	76	73	3	0	0
17:00	77	64	11	2	0
18:00	65	58	5	1	1
19:00	58	50	7	1	0
20:00	49	43	6	0	0
21:00	35	32	2	0	1
22:00	29	25	4	0	0
23:00	9	9	0	0	0
Total					
12H(7-19)	874	777	88	6	3
16H(6-22)	1029	909	109	7	4
18H(6-24)	1067	943	113	7	4
24H(0-24)	1110	980	118	8	4
AM Peak	11:00 101	11:00 93	10:00 9	04:00 1	09:00 1
PM Peak	14:00 108	14:00 96	14:00 12	17:00 2	18:00 1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	22	16	6	0	0
01:00	10	9	1	0	0
02:00	10	8	2	0	0
03:00	5	5	0	0	0
04:00	11	7	2	2	0
05:00	31	31	0	0	0
06:00	30	19	9	2	0
07:00	59	41	16	2	0
08:00	79	68	11	0	0
09:00	128	109	17	1	1
10:00	181	158	22	0	1
11:00	199	177	21	1	0
12:00	201	173	27	0	1
13:00	186	168	17	1	0
14:00	179	156	23	0	0
15:00	140	128	12	0	0
16:00	129	119	10	0	0
17:00	144	124	18	2	0
18:00	117	100	15	1	1
19:00	118	101	15	2	0
20:00	68	59	9	0	0
21:00	54	50	3	0	1
22:00	47	40	7	0	0
23:00	13	13	0	0	0
Total					
12H(7-19)	1742	1521	209	8	4
16H(6-22)	2012	1750	245	12	5
18H(6-24)	2072	1803	252	12	5
24H(0-24)	2161	1879	263	14	5
AM Peak	11:00 199	11:00 177	10:00 22	04:00 2	09:00 1
PM Peak	12:00 201	12:00 173	12:00 27	17:00 2	12:00 1

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound					
12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	2	1	0	0
01:00	0	0	0	0	0
02:00	3	3	0	0	0
03:00	10	6	3	1	0
04:00	22	13	2	7	0
05:00	110	76	19	14	1
06:00	105	64	28	12	1
07:00	151	112	30	6	3
08:00	137	107	26	4	0
09:00	77	62	11	3	1
10:00	97	69	19	2	7
11:00	76	59	16	0	1
12:00	81	63	15	1	2
13:00	86	64	15	5	2
14:00	118	89	24	4	1
15:00	104	79	21	4	0
16:00	110	95	12	1	2
17:00	202	174	28	0	0
18:00	246	206	38	0	2
19:00	225	202	23	0	0
20:00	154	137	17	0	0
21:00	138	119	18	0	1
22:00	62	56	6	0	0
23:00	32	28	4	0	0
Total					
12H(7-19)	1485	1179	255	30	21
16H(6-22)	2107	1701	341	42	23
18H(6-24)	2201	1785	351	42	23
24H(0-24)	2349	1885	376	64	24
AM Peak	07:00 151	07:00 112	07:00 30	05:00 14	10:00 7
PM Peak	18:00 246	18:00 206	18:00 38	13:00 5	12:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	5	2	0	0
01:00	2	2	0	0	0
02:00	5	5	0	0	0
03:00	4	3	1	0	0
04:00	16	11	4	0	1
05:00	29	26	3	0	0
06:00	52	38	12	1	1
07:00	57	41	16	0	0
08:00	92	59	31	0	2
09:00	78	54	20	1	3
10:00	76	50	24	1	1
11:00	73	57	10	6	0
12:00	90	73	16	1	0
13:00	99	76	17	2	4
14:00	124	105	16	2	1
15:00	117	89	25	3	0
16:00	187	148	35	2	2
17:00	215	178	30	7	0
18:00	354	320	30	2	2
19:00	232	202	26	4	0
20:00	207	189	16	1	1
21:00	123	111	12	0	0
22:00	92	81	11	0	0
23:00	36	33	3	0	0
Total					
12H(7-19)	1562	1250	270	27	15
16H(6-22)	2176	1790	336	33	17
18H(6-24)	2304	1904	350	33	17
24H(0-24)	2367	1956	360	33	18
AM Peak	08:00 92	08:00 59	08:00 31	11:00 6	09:00 3
PM Peak	18:00 354	18:00 320	16:00 35	17:00 7	13:00 4

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	7	3	0	0
01:00	2	2	0	0	0
02:00	8	8	0	0	0
03:00	14	9	4	1	0
04:00	38	24	6	7	1
05:00	139	102	22	14	1
06:00	157	102	40	13	2
07:00	208	153	46	6	3
08:00	229	166	57	4	2
09:00	155	116	31	4	4
10:00	173	119	43	3	8
11:00	149	116	26	6	1
12:00	171	136	31	2	2
13:00	185	140	32	7	6
14:00	242	194	40	6	2
15:00	221	168	46	7	0
16:00	297	243	47	3	4
17:00	417	352	58	7	0
18:00	600	526	68	2	4
19:00	457	404	49	4	0
20:00	361	326	33	1	1
21:00	261	230	30	0	1
22:00	154	137	17	0	0
23:00	68	61	7	0	0
Total					
12H(7-19)	3047	2429	525	57	36
16H(6-22)	4283	3491	677	75	40
18H(6-24)	4505	3689	701	75	40
24H(0-24)	4716	3841	736	97	42
AM Peak	08:00 229	08:00 166	08:00 57	05:00 14	10:00 8
PM Peak	18:00 600	18:00 526	18:00 68	13:00 7	13:00 6

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	5	42.2	36.5	5.5	0	0	0	0	0	3	0	2	0	0	0	0
01:00	4	37.8	31.3	6.3	0	0	0	1	0	2	1	0	0	0	0	0
02:00	2	42.2	27.5	14.1	0	0	1	0	0	0	1	0	0	0	0	0
03:00	5	40.4	34.5	5.7	0	0	0	0	1	2	1	1	0	0	0	0
04:00	12	36.0	31.7	4.2	0	0	0	0	5	4	3	0	0	0	0	0
05:00	85	38.0	32.1	5.7	0	0	4	3	18	37	18	4	1	0	0	0
06:00	98	36.6	31.5	4.9	0	0	2	5	27	45	16	2	1	0	0	0
07:00	142	36.9	31.2	5.5	0	0	5	13	32	61	26	4	1	0	0	0
08:00	116	36.9	32.1	4.6	0	0	1	6	29	48	30	2	0	0	0	0
09:00	79	36.9	31.7	5.0	0	0	0	6	23	34	10	6	0	0	0	0
10:00	82	35.7	29.4	6.1	0	0	8	9	23	32	6	4	0	0	0	0
11:00	69	35.7	30.3	5.2	0	0	1	8	24	26	8	1	1	0	0	0
12:00	76	37.3	31.7	5.4	0	0	3	3	20	30	17	3	0	0	0	0
13:00	98	37.4	31.6	5.6	0	0	0	9	31	34	19	3	1	1	0	0
14:00	80	36.7	31.9	4.7	0	0	0	6	18	39	15	1	1	0	0	0
15:00	117	37.9	32.5	5.1	0	0	0	10	25	42	34	6	0	0	0	0
16:00	133	38.5	32.6	5.7	0	1	1	6	31	54	32	6	1	0	1	0
17:00	102	39.0	33.2	5.6	0	0	1	4	21	42	27	4	1	2	0	0
18:00	65	39.1	33.2	5.7	0	0	0	4	15	24	13	8	1	0	0	0
19:00	60	39.1	32.8	6.1	0	0	1	4	14	21	15	2	3	0	0	0
20:00	24	37.0	33.1	3.7	0	0	0	0	3	17	2	2	0	0	0	0
21:00	39	41.1	32.4	8.4	0	0	1	4	11	13	4	4	1	0	0	1
22:00	6	40.0	31.7	8.0	0	0	1	0	1	1	3	0	0	0	0	0
23:00	5	35.8	31.5	4.2	0	0	0	0	2	2	1	0	0	0	0	0
Total																
2H(10-12)	151	35.7	29.8	5.7	0	0	9	17	47	58	14	5	1	0	0	0
2H(14-16)	197	37.4	32.3	5.0	0	0	0	16	43	81	49	7	1	0	0	0
12H(7-19)	1159	37.5	31.8	5.4	0	1	20	84	292	466	237	48	7	3	1	0
24H(0-24)	1504	37.6	31.9	5.5	0	1	30	101	374	613	302	65	13	3	1	1
AM Peak	07:00	00:00	00:00	02:00	00:00	00:00	10:00	07:00	07:00	07:00	08:00	09:00	05:00	00:00	00:00	00:00
	142	42.2	36.5	14.1	0	0	8	13	32	61	30	6	1	0	0	0
PM Peak	16:00	21:00	18:00	21:00	12:00	16:00	12:00	15:00	13:00	16:00	15:00	18:00	19:00	17:00	16:00	21:00
	133	41.1	33.2	8.4	0	1	3	10	31	54	34	8	3	2	1	1

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	8	41.8	35.0	6.5	0	0	0	0	3	0	3	2	0	0	0	0
01:00	4	40.3	33.8	6.3	0	0	0	0	1	2	0	1	0	0	0	0
02:00	5	44.2	38.5	5.5	0	0	0	0	0	2	0	3	0	0	0	0
03:00	6	41.3	35.0	6.1	0	0	0	0	2	0	3	1	0	0	0	0
04:00	6	37.8	35.0	2.7	0	0	0	0	0	3	3	0	0	0	0	0
05:00	16	42.1	35.9	6.0	0	0	0	0	3	5	2	6	0	0	0	0
06:00	39	42.6	33.7	8.5	0	2	0	1	7	12	12	4	0	0	0	1
07:00	73	40.2	33.3	6.6	0	0	5	2	12	20	26	7	1	0	0	0
08:00	87	38.5	32.7	5.6	0	0	2	2	26	24	27	5	1	0	0	0
09:00	69	38.2	32.6	5.4	0	0	1	1	18	34	9	3	3	0	0	0
10:00	76	35.9	30.1	5.6	0	2	2	3	29	29	10	0	1	0	0	0
11:00	78	36.4	30.8	5.3	0	0	2	10	17	34	13	2	0	0	0	0
12:00	78	38.2	31.2	6.8	0	1	7	2	15	36	12	4	0	1	0	0
13:00	86	38.8	33.2	5.4	0	0	0	5	18	31	26	5	0	1	0	0
14:00	126	38.1	31.7	6.1	0	1	4	9	30	50	20	11	1	0	0	0
15:00	120	38.6	32.8	5.7	0	1	1	4	30	44	33	4	2	1	0	0
16:00	189	37.4	32.2	5.0	0	0	2	7	52	82	32	13	1	0	0	0
17:00	192	39.2	33.0	6.0	0	3	2	5	41	76	44	17	4	0	0	0
18:00	102	40.3	33.7	6.3	0	2	0	8	12	33	35	10	2	0	0	0
19:00	63	39.2	33.1	5.9	0	0	2	2	13	24	15	6	1	0	0	0
20:00	55	39.1	34.5	4.5	0	0	0	2	5	21	23	4	0	0	0	0
21:00	38	38.2	33.2	4.8	0	0	0	1	9	15	10	3	0	0	0	0
22:00	41	37.9	33.1	4.6	0	0	0	3	4	21	11	2	0	0	0	0
23:00	11	38.8	33.0	5.7	0	0	0	1	3	1	6	0	0	0	0	0
Total																
2H(10-12)	154	36.1	30.5	5.4	0	2	4	13	46	63	23	2	1	0	0	0
2H(14-16)	246	38.4	32.2	5.9	0	2	5	13	60	94	53	15	3	1	0	0
12H(7-19)	1276	38.4	32.4	5.9	0	10	28	58	300	493	287	81	16	3	0	0
24H(0-24)	1568	38.7	32.6	5.9	0	12	30	68	350	599	375	113	17	3	0	1
AM Peak	08:00	02:00	02:00	06:00	00:00	06:00	07:00	11:00	10:00	09:00	08:00	07:00	09:00	00:00	00:00	06:00
	87	44.2	38.5	8.5	0	2	5	10	29	34	27	7	3	0	0	1
PM Peak	17:00	18:00	20:00	12:00	12:00	17:00	12:00	14:00	16:00	16:00	17:00	17:00	17:00	12:00	12:00	12:00
	192	40.3	34.5	6.8	0	3	7	9	52	82	44	17	4	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	13	41.8	35.6	6.0	0	0	0	0	3	3	3	4	0	0	0	0
01:00	8	38.7	32.5	6.0	0	0	0	1	1	4	1	1	0	0	0	0
02:00	7	44.8	35.4	9.1	0	0	1	0	0	2	1	3	0	0	0	0
03:00	11	40.6	34.8	5.6	0	0	0	0	3	2	4	2	0	0	0	0
04:00	18	36.9	32.8	4.0	0	0	0	0	5	7	6	0	0	0	0	0
05:00	101	38.8	32.7	5.9	0	0	4	3	21	42	20	10	1	0	0	0
06:00	137	38.6	32.1	6.2	0	2	2	6	34	57	28	6	1	0	0	1
07:00	215	38.1	31.9	6.0	0	0	10	15	44	81	52	11	2	0	0	0
08:00	203	37.6	32.4	5.1	0	0	3	8	55	72	57	7	1	0	0	0
09:00	148	37.5	32.1	5.2	0	0	1	7	41	68	19	9	3	0	0	0
10:00	158	35.8	29.7	5.9	0	2	10	12	52	61	16	4	1	0	0	0
11:00	147	36.0	30.6	5.2	0	0	3	18	41	60	21	3	1	0	0	0
12:00	154	37.8	31.5	6.1	0	1	10	5	35	66	29	7	0	1	0	0
13:00	184	38.1	32.4	5.5	0	0	0	14	49	65	45	8	1	2	0	0
14:00	206	37.6	31.8	5.6	0	1	4	15	48	89	35	12	2	0	0	0
15:00	237	38.3	32.6	5.4	0	1	1	14	55	86	67	10	2	1	0	0
16:00	322	37.9	32.4	5.3	0	1	3	13	83	136	64	19	2	0	1	0
17:00	294	39.2	33.1	5.8	0	3	3	9	62	118	71	21	5	2	0	0
18:00	167	39.8	33.5	6.1	0	2	0	12	27	57	48	18	3	0	0	0
19:00	123	39.1	32.9	6.0	0	0	3	6	27	45	30	8	4	0	0	0
20:00	79	38.5	34.1	4.3	0	0	0	2	8	38	25	6	0	0	0	0
21:00	77	39.9	32.8	6.8	0	0	1	5	20	28	14	7	1	0	0	1
22:00	47	38.2	32.9	5.1	0	0	1	3	5	22	14	2	0	0	0	0
23:00	16	37.9	32.5	5.2	0	0	0	1	5	3	7	0	0	0	0	0
Total																
2H(10-12)	305	35.9	30.2	5.6	0	2	13	30	93	121	37	7	2	0	0	0
2H(14-16)	443	38.0	32.3	5.5	0	2	5	29	103	175	102	22	4	1	0	0
12H(7-19)	2435	38.0	32.1	5.7	0	11	48	142	592	959	524	129	23	6	1	0
24H(0-24)	3072	38.2	32.3	5.7	0	13	60	169	724	1212	677	178	30	6	1	2
AM Peak	07:00 215	02:00 44.8	00:00 35.6	02:00 9.1	00:00 0	06:00 2	07:00 10	11:00 18	08:00 55	07:00 81	08:00 57	07:00 11	09:00 3	00:00 0	00:00 0	06:00 1
PM Peak	16:00 322	21:00 39.9	20:00 34.1	21:00 6.8	12:00 0	17:00 3	12:00 10	14:00 15	16:00 83	16:00 136	17:00 71	17:00 21	17:00 5	13:00 2	16:00 1	21:00 1

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	3	35.2	29.2	5.8	0	0	0	1	0	2	0	0	0	0	0	0
01:00	3	38.8	35.8	2.9	0	0	0	0	0	1	2	0	0	0	0	0
02:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	5	40.1	35.5	4.5	0	0	0	0	0	3	1	1	0	0	0	0
04:00	16	35.0	29.7	5.2	0	0	1	1	6	6	2	0	0	0	0	0
05:00	85	38.3	31.8	6.3	0	0	3	9	18	30	19	5	0	1	0	0
06:00	116	37.0	32.6	4.3	0	0	1	3	22	61	25	4	0	0	0	0
07:00	151	37.9	33.6	4.2	0	0	0	2	26	69	46	8	0	0	0	0
08:00	149	38.8	32.6	6.0	1	1	2	7	26	68	33	8	2	1	0	0
09:00	89	37.4	31.8	5.3	0	1	2	3	22	39	18	4	0	0	0	0
10:00	71	36.4	30.5	5.7	0	1	2	7	20	27	12	2	0	0	0	0
11:00	61	34.7	30.7	3.9	0	0	0	3	23	29	5	1	0	0	0	0
12:00	87	36.3	30.1	5.9	0	2	4	6	26	34	13	2	0	0	0	0
13:00	86	35.9	31.3	4.5	0	0	1	4	25	45	7	4	0	0	0	0
14:00	98	36.4	31.0	5.2	0	0	1	12	26	39	16	4	0	0	0	0
15:00	110	37.5	32.6	4.7	0	0	3	2	19	56	26	4	0	0	0	0
16:00	133	40.2	33.7	6.2	0	1	1	4	22	61	28	9	4	3	0	0
17:00	129	38.1	33.0	4.9	0	0	1	2	27	65	21	12	1	0	0	0
18:00	74	40.6	34.8	5.6	0	0	0	2	10	30	20	9	2	1	0	0
19:00	67	38.6	33.5	4.9	0	0	0	2	12	30	17	5	1	0	0	0
20:00	36	38.3	32.8	5.3	0	0	0	1	10	16	5	3	1	0	0	0
21:00	40	38.9	32.3	6.4	0	0	0	5	9	16	5	3	2	0	0	0
22:00	13	36.1	32.1	3.8	0	0	0	0	4	6	3	0	0	0	0	0
23:00	8	32.8	30.0	2.7	0	0	0	0	4	4	0	0	0	0	0	0
Total																
2H(10-12)	132	35.7	30.6	4.9	0	1	2	10	43	56	17	3	0	0	0	0
2H(14-16)	208	37.0	31.9	5.0	0	0	4	14	45	95	42	8	0	0	0	0
12H(7-19)	1238	37.9	32.4	5.4	1	6	17	54	272	562	245	67	9	5	0	0
24H(0-24)	1631	37.9	32.4	5.4	1	6	22	76	357	738	324	88	13	6	0	0
AM Peak	07:00	03:00	01:00	05:00	08:00	08:00	05:00	05:00	07:00	07:00	07:00	07:00	08:00	05:00	00:00	00:00
	151	40.1	35.8	6.3	1	1	3	9	26	69	46	8	2	1	0	0
PM Peak	16:00	18:00	18:00	21:00	12:00	12:00	12:00	14:00	17:00	17:00	16:00	17:00	16:00	16:00	12:00	12:00
	133	40.6	34.8	6.4	0	2	4	12	27	65	28	12	4	3	0	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	4	33.8	31.3	2.5	0	0	0	0	1	3	0	0	0	0	0	0
01:00	6	34.3	30.0	4.2	0	0	0	0	4	1	1	0	0	0	0	0
02:00	4	41.3	38.8	2.5	0	0	0	0	0	0	3	1	0	0	0	0
03:00	6	41.2	35.8	5.2	0	0	0	0	1	1	3	1	0	0	0	0
04:00	5	41.2	37.5	3.5	0	0	0	0	0	1	3	1	0	0	0	0
05:00	13	39.0	32.1	6.6	0	0	1	0	3	6	1	2	0	0	0	0
06:00	49	39.5	33.3	6.0	0	1	0	3	5	23	12	4	1	0	0	0
07:00	78	40.3	32.3	7.7	3	0	3	6	8	23	29	6	0	0	0	0
08:00	98	37.8	32.9	4.8	0	0	0	4	23	39	26	6	0	0	0	0
09:00	91	38.8	32.8	5.7	0	0	0	9	15	38	22	5	1	1	0	0
10:00	67	38.9	32.6	6.0	0	1	1	6	8	26	22	2	1	0	0	0
11:00	62	38.0	31.5	6.2	0	2	1	2	18	22	13	4	0	0	0	0
12:00	87	36.7	31.0	5.5	0	1	2	4	30	32	14	4	0	0	0	0
13:00	93	38.7	33.2	5.3	0	1	0	3	17	41	24	5	2	0	0	0
14:00	121	37.6	31.4	6.0	1	2	2	8	26	53	24	5	0	0	0	0
15:00	118	38.2	32.8	5.2	0	0	2	4	27	45	35	4	0	1	0	0
16:00	203	40.1	32.0	7.8	3	9	9	7	30	63	67	12	3	0	0	0
17:00	198	38.8	32.5	6.1	1	2	3	8	43	80	46	11	3	1	0	0
18:00	130	39.2	33.8	5.3	0	0	0	4	27	47	39	11	1	1	0	0
19:00	97	39.8	34.8	4.8	0	0	0	1	10	43	34	5	3	1	0	0
20:00	52	37.0	31.3	5.5	0	0	0	6	16	17	11	1	1	0	0	0
21:00	41	39.4	33.0	6.2	0	0	0	4	9	13	11	2	2	0	0	0
22:00	43	39.9	34.7	5.0	0	0	0	1	6	15	16	4	1	0	0	0
23:00	14	39.9	35.0	4.7	0	0	0	0	2	5	5	2	0	0	0	0
Total																
2H(10-12)	129	38.4	32.1	6.1	0	3	2	8	26	48	35	6	1	0	0	0
2H(14-16)	239	37.9	32.1	5.6	1	2	4	12	53	98	59	9	0	1	0	0
12H(7-19)	1346	38.8	32.4	6.2	8	18	23	65	272	509	361	75	11	4	0	0
24H(0-24)	1680	38.9	32.7	6.1	8	19	24	80	329	637	461	98	19	5	0	0
AM Peak	08:00	02:00	02:00	07:00	07:00	11:00	07:00	09:00	08:00	08:00	07:00	07:00	06:00	09:00	00:00	00:00
	98	41.3	38.8	7.7	3	2	3	9	23	39	29	6	1	1	0	0
PM Peak	16:00	16:00	23:00	16:00	16:00	16:00	16:00	14:00	17:00	17:00	16:00	16:00	16:00	15:00	12:00	12:00
	203	40.1	35.0	7.8	3	9	9	8	43	80	67	12	3	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	7	34.4	30.4	3.9	0	0	0	1	1	5	0	0	0	0	0	0
01:00	9	36.8	31.9	4.6	0	0	0	0	4	2	3	0	0	0	0	0
02:00	5	41.2	37.5	3.5	0	0	0	0	0	1	3	1	0	0	0	0
03:00	11	40.5	35.7	4.6	0	0	0	0	1	4	4	2	0	0	0	0
04:00	21	37.6	31.5	5.8	0	0	1	1	6	7	5	1	0	0	0	0
05:00	98	38.4	31.8	6.3	0	0	4	9	21	36	20	7	0	1	0	0
06:00	165	37.8	32.8	4.8	0	1	1	6	27	84	37	8	1	0	0	0
07:00	229	39.0	33.1	5.7	3	0	3	8	34	92	75	14	0	0	0	0
08:00	247	38.4	32.7	5.5	1	1	2	11	49	107	59	14	2	1	0	0
09:00	180	38.1	32.3	5.5	0	1	2	12	37	77	40	9	1	1	0	0
10:00	138	37.7	31.6	5.9	0	2	3	13	28	53	34	4	1	0	0	0
11:00	123	36.5	31.1	5.2	0	2	1	5	41	51	18	5	0	0	0	0
12:00	174	36.5	30.6	5.7	0	3	6	10	56	66	27	6	0	0	0	0
13:00	179	37.5	32.3	5.0	0	1	1	7	42	86	31	9	2	0	0	0
14:00	219	37.1	31.2	5.6	1	2	3	20	52	92	40	9	0	0	0	0
15:00	228	37.8	32.7	5.0	0	0	5	6	46	101	61	8	0	1	0	0
16:00	336	40.2	32.7	7.3	3	10	10	11	52	124	95	21	7	3	0	0
17:00	327	38.5	32.7	5.6	1	2	4	10	70	145	67	23	4	1	0	0
18:00	204	39.7	34.1	5.4	0	0	0	6	37	77	59	20	3	2	0	0
19:00	164	39.4	34.3	4.9	0	0	0	3	22	73	51	10	4	1	0	0
20:00	88	37.6	31.9	5.4	0	0	0	7	26	33	16	4	2	0	0	0
21:00	81	39.1	32.6	6.3	0	0	0	9	18	29	16	5	4	0	0	0
22:00	56	39.2	34.1	4.9	0	0	0	1	10	21	19	4	1	0	0	0
23:00	22	38.1	33.2	4.7	0	0	0	0	6	9	5	2	0	0	0	0
Total																
2H(10-12)	261	37.1	31.4	5.6	0	4	4	18	69	104	52	9	1	0	0	0
2H(14-16)	447	37.5	32.0	5.3	1	2	8	26	98	193	101	17	0	1	0	0
12H(7-19)	2584	38.4	32.4	5.8	9	24	40	119	544	1071	606	142	20	9	0	0
24H(0-24)	3311	38.5	32.5	5.7	9	25	46	156	686	1375	785	186	32	11	0	0
AM Peak	08:00	02:00	02:00	05:00	07:00	10:00	05:00	10:00	08:00	08:00	07:00	07:00	08:00	05:00	00:00	00:00
	247	41.2	37.5	6.3	3	2	4	13	49	107	75	14	2	1	0	0
PM Peak	16:00	16:00	19:00	16:00	16:00	16:00	16:00	14:00	17:00	17:00	16:00	17:00	16:00	16:00	12:00	12:00
	336	40.2	34.3	7.3	3	10	10	20	70	145	95	23	7	3	0	0

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	47.5	-	0	0	0	0	0	0	0	0	1	0	0	0
01:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
02:00	3	38.7	30.8	7.6	0	0	0	1	0	1	1	0	0	0	0	0
03:00	6	33.5	30.8	2.6	0	0	0	0	2	4	0	0	0	0	0	0
04:00	19	35.6	30.7	4.8	0	0	0	2	6	9	1	1	0	0	0	0
05:00	81	37.7	31.8	5.6	0	0	3	6	17	32	19	4	0	0	0	0
06:00	104	37.0	32.2	4.6	0	0	1	4	26	45	25	3	0	0	0	0
07:00	134	37.3	32.1	5.1	0	0	1	6	38	58	23	7	0	1	0	0
08:00	150	37.0	32.3	4.5	0	0	1	3	40	73	25	7	1	0	0	0
09:00	89	38.0	32.1	5.8	0	1	1	6	17	44	16	0	4	0	0	0
10:00	82	35.8	30.3	5.3	0	0	1	10	32	24	11	4	0	0	0	0
11:00	80	35.1	30.0	4.9	0	1	0	9	30	29	10	1	0	0	0	0
12:00	110	36.5	31.0	5.3	0	1	0	11	34	42	17	5	0	0	0	0
13:00	120	36.7	31.1	5.4	1	0	2	9	31	57	14	6	0	0	0	0
14:00	97	37.2	31.6	5.4	0	0	0	12	24	36	19	6	0	0	0	0
15:00	120	37.5	32.3	5.0	0	0	1	6	29	52	27	3	2	0	0	0
16:00	120	40.1	34.1	5.8	0	0	3	2	18	46	35	15	0	0	1	0
17:00	109	38.8	33.8	4.9	0	0	1	1	19	47	32	7	2	0	0	0
18:00	75	39.6	33.8	5.6	0	0	0	1	16	35	14	5	3	1	0	0
19:00	53	38.3	32.5	5.6	0	0	0	3	16	19	9	5	1	0	0	0
20:00	31	38.8	33.3	5.3	0	0	0	1	5	17	6	1	0	1	0	0
21:00	47	35.3	31.0	4.2	0	0	0	4	12	26	4	1	0	0	0	0
22:00	13	41.5	30.6	10.5	0	1	0	1	6	3	0	1	0	0	1	0
23:00	8	37.3	32.5	4.6	0	0	0	0	2	5	0	1	0	0	0	0
Total																
2H(10-12)	162	35.5	30.2	5.1	0	1	1	19	62	53	21	5	0	0	0	0
2H(14-16)	217	37.4	32.0	5.2	0	0	1	18	53	88	46	9	2	0	0	0
12H(7-19)	1286	37.6	32.1	5.3	1	3	11	76	328	543	243	66	12	2	1	0
24H(0-24)	1653	37.6	32.1	5.3	1	4	15	98	420	705	308	83	14	3	2	0
AM Peak	08:00	02:00	00:00	02:00	00:00	09:00	05:00	10:00	08:00	08:00	06:00	07:00	09:00	07:00	00:00	00:00
	150	38.7	47.5	7.6	0	1	3	10	40	73	25	7	4	1	0	0
PM Peak	13:00	22:00	16:00	22:00	13:00	12:00	16:00	14:00	12:00	13:00	16:00	16:00	18:00	18:00	16:00	12:00
	120	41.5	34.1	10.5	1	1	3	12	34	57	35	15	3	1	1	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	9	44.5	36.4	7.8	0	0	0	0	2	3	1	1	2	0	0	0
01:00	7	40.8	33.2	7.3	0	0	0	0	3	2	1	0	1	0	0	0
02:00	5	44.9	35.5	9.1	0	0	0	0	2	1	0	1	1	0	0	0
03:00	4	36.3	33.8	2.5	0	0	0	0	0	3	1	0	0	0	0	0
04:00	6	40.6	36.7	3.8	0	0	0	0	0	2	3	1	0	0	0	0
05:00	23	41.9	34.9	6.7	0	0	0	1	5	5	8	3	0	1	0	0
06:00	46	39.6	33.2	6.2	0	1	0	3	7	18	11	6	0	0	0	0
07:00	77	37.4	31.7	5.6	0	0	1	6	26	21	18	5	0	0	0	0
08:00	106	37.5	31.9	5.4	0	0	0	7	35	38	19	4	3	0	0	0
09:00	70	38.4	32.4	5.9	1	1	0	1	16	31	15	5	0	0	0	0
10:00	73	38.3	32.2	5.9	0	1	0	8	13	26	22	2	1	0	0	0
11:00	84	37.4	31.5	5.6	0	1	1	6	23	31	19	2	1	0	0	0
12:00	85	37.9	32.1	5.6	0	0	0	5	28	31	13	7	0	1	0	0
13:00	116	37.4	32.8	4.4	0	0	0	3	27	49	33	4	0	0	0	0
14:00	151	38.0	32.8	5.0	0	1	1	3	35	62	40	9	0	0	0	0
15:00	140	39.9	33.5	6.1	1	0	2	11	16	47	51	9	3	0	0	0
16:00	189	39.4	33.8	5.4	0	0	0	9	33	71	54	18	4	0	0	0
17:00	191	39.7	33.7	5.8	0	1	1	10	30	73	56	16	2	2	0	0
18:00	133	40.0	34.0	5.9	0	1	0	6	23	46	40	14	2	1	0	0
19:00	95	37.9	32.7	5.0	0	0	1	6	18	38	28	4	0	0	0	0
20:00	58	40.5	35.0	5.3	0	0	1	0	6	24	18	7	2	0	0	0
21:00	55	38.0	32.4	5.4	0	0	1	4	10	24	12	4	0	0	0	0
22:00	50	38.5	32.4	5.9	0	0	0	4	14	18	9	3	2	0	0	0
23:00	14	36.9	32.1	4.6	0	0	0	0	6	3	5	0	0	0	0	0
Total																
2H(10-12)	157	37.8	31.9	5.7	0	2	1	14	36	57	41	4	2	0	0	0
2H(14-16)	291	38.9	33.2	5.6	1	1	3	14	51	109	91	18	3	0	0	0
12H(7-19)	1415	38.7	32.9	5.6	2	6	6	75	305	526	380	95	16	4	0	0
24H(0-24)	1787	38.8	33.0	5.6	2	7	9	93	378	667	477	125	24	5	0	0
AM Peak	08:00	02:00	04:00	02:00	09:00	06:00	07:00	10:00	08:00	08:00	10:00	06:00	08:00	05:00	00:00	00:00
	106	44.9	36.7	9.1	1	1	1	8	35	38	22	6	3	1	0	0
PM Peak	17:00	20:00	20:00	15:00	15:00	14:00	15:00	15:00	14:00	17:00	17:00	16:00	16:00	17:00	12:00	12:00
	191	40.5	35.0	6.1	1	1	2	11	35	73	56	18	4	2	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	10	46.0	37.5	8.2	0	0	0	0	2	3	1	1	3	0	0	0
01:00	8	40.2	33.1	6.8	0	0	0	0	3	3	1	0	1	0	0	0
02:00	8	42.4	33.8	8.3	0	0	0	1	2	2	1	1	1	0	0	0
03:00	10	34.9	32.0	2.8	0	0	0	0	2	7	1	0	0	0	0	0
04:00	25	37.5	32.1	5.2	0	0	0	2	6	11	4	2	0	0	0	0
05:00	104	38.7	32.5	6.0	0	0	3	7	22	37	27	7	0	1	0	0
06:00	150	37.8	32.5	5.1	0	1	1	7	33	63	36	9	0	0	0	0
07:00	211	37.4	31.9	5.3	0	0	2	12	64	79	41	12	0	1	0	0
08:00	256	37.2	32.1	4.9	0	0	1	10	75	111	44	11	4	0	0	0
09:00	159	38.2	32.2	5.8	1	2	1	7	33	75	31	5	4	0	0	0
10:00	155	37.1	31.2	5.7	0	1	1	18	45	50	33	6	1	0	0	0
11:00	164	36.3	30.8	5.3	0	2	1	15	53	60	29	3	1	0	0	0
12:00	195	37.1	31.5	5.4	0	1	0	16	62	73	30	12	0	1	0	0
13:00	236	37.1	32.0	5.0	1	0	2	12	58	106	47	10	0	0	0	0
14:00	248	37.7	32.4	5.2	0	1	1	15	59	98	59	15	0	0	0	0
15:00	260	38.8	33.0	5.7	1	0	3	17	45	99	78	12	5	0	0	0
16:00	309	39.7	34.0	5.5	0	0	3	11	51	117	89	33	4	0	1	0
17:00	300	39.4	33.7	5.5	0	1	2	11	49	120	88	23	4	2	0	0
18:00	208	39.9	33.9	5.8	0	1	0	7	39	81	54	19	5	2	0	0
19:00	148	38.0	32.6	5.2	0	0	1	9	34	57	37	9	1	0	0	0
20:00	89	40.0	34.4	5.4	0	0	1	1	11	41	24	8	2	1	0	0
21:00	102	36.8	31.8	4.9	0	0	1	8	22	50	16	5	0	0	0	0
22:00	63	39.3	32.0	7.1	0	1	0	5	20	21	9	4	2	0	1	0
23:00	22	36.9	32.3	4.5	0	0	0	0	8	8	5	1	0	0	0	0
Total																
2H(10-12)	319	36.7	31.0	5.5	0	3	2	33	98	110	62	9	2	0	0	0
2H(14-16)	508	38.3	32.7	5.4	1	1	4	32	104	197	137	27	5	0	0	0
12H(7-19)	2701	38.2	32.5	5.5	3	9	17	151	633	1069	623	161	28	6	1	0
24H(0-24)	3440	38.3	32.6	5.5	3	11	24	191	798	1372	785	208	38	8	2	0
AM Peak	08:00	00:00	00:00	02:00	09:00	09:00	05:00	10:00	08:00	08:00	08:00	07:00	08:00	05:00	00:00	00:00
	256	46.0	37.5	8.3	1	2	3	18	75	111	44	12	4	1	0	0
PM Peak	16:00	20:00	20:00	22:00	13:00	12:00	15:00	15:00	12:00	17:00	16:00	16:00	15:00	17:00	16:00	12:00
	309	40.0	34.4	7.1	1	1	3	17	62	120	89	33	5	2	1	0

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	41.3	38.8	2.5	0	0	0	0	0	0	3	1	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
03:00	6	39.3	31.7	7.4	0	0	0	1	2	1	1	1	0	0	0	0
04:00	16	37.5	32.5	4.8	0	0	0	1	3	8	3	1	0	0	0	0
05:00	87	37.1	31.9	5.0	0	0	1	5	26	27	27	1	0	0	0	0
06:00	92	36.7	31.5	5.0	0	0	0	8	29	32	19	4	0	0	0	0
07:00	137	37.3	32.5	4.7	0	0	1	7	27	63	34	5	0	0	0	0
08:00	142	38.2	33.1	4.9	0	0	0	4	34	56	37	10	1	0	0	0
09:00	85	35.0	30.3	4.5	0	1	0	7	31	35	11	0	0	0	0	0
10:00	89	36.0	30.3	5.5	0	1	1	8	34	33	8	2	2	0	0	0
11:00	115	37.2	30.9	6.0	0	0	7	7	34	41	21	3	2	0	0	0
12:00	91	38.3	32.7	5.4	0	0	0	7	18	42	14	9	1	0	0	0
13:00	111	39.8	33.1	6.4	0	0	1	9	21	43	25	9	0	2	1	0
14:00	96	37.7	32.6	4.9	0	0	1	5	20	41	24	5	0	0	0	0
15:00	138	38.1	33.4	4.5	0	0	0	2	26	64	38	6	2	0	0	0
16:00	142	39.0	33.2	5.6	0	0	0	6	34	58	29	11	2	2	0	0
17:00	125	38.6	33.9	4.5	0	0	0	4	15	55	45	4	2	0	0	0
18:00	84	39.8	33.5	6.1	0	0	2	2	14	39	19	4	3	0	1	0
19:00	70	38.5	33.2	5.1	0	0	0	3	10	39	13	3	1	1	0	0
20:00	35	40.8	34.5	6.1	0	0	0	1	7	12	9	5	0	1	0	0
21:00	32	41.9	34.4	7.3	0	0	0	1	8	10	9	2	0	1	1	0
22:00	16	44.1	34.7	9.1	0	0	1	1	3	4	2	2	3	0	0	0
23:00	12	38.7	34.6	4.0	0	0	0	0	0	9	1	2	0	0	0	0
Total																
2H(10-12)	204	36.7	30.7	5.8	0	1	8	15	68	74	29	5	4	0	0	0
2H(14-16)	234	37.9	33.1	4.7	0	0	1	7	46	105	62	11	2	0	0	0
12H(7-19)	1355	38.1	32.6	5.4	0	2	13	68	308	570	305	68	15	4	2	0
24H(0-24)	1727	38.2	32.6	5.4	0	2	15	89	396	714	392	90	19	7	3	0
AM Peak	08:00	00:00	00:00	03:00	00:00	09:00	11:00	06:00	08:00	07:00	08:00	08:00	10:00	00:00	00:00	00:00
	142	41.3	38.8	7.4	0	1	7	8	34	63	37	10	2	0	0	0
PM Peak	16:00	22:00	22:00	22:00	12:00	12:00	18:00	13:00	16:00	15:00	17:00	16:00	18:00	13:00	13:00	12:00
	142	44.1	34.7	9.1	0	0	2	9	34	64	45	11	3	2	1	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	40.3	33.8	6.3	0	0	0	0	1	2	0	1	0	0	0	0
01:00	6	50.7	40.0	10.4	0	0	0	0	0	3	1	0	1	0	1	0
02:00	6	46.0	35.8	9.8	0	0	0	1	0	3	0	0	2	0	0	0
03:00	6	44.1	37.5	6.3	0	0	0	0	1	0	4	0	1	0	0	0
04:00	8	38.9	35.0	3.8	0	0	0	0	0	5	2	1	0	0	0	0
05:00	16	40.3	34.4	5.7	0	0	0	0	3	8	2	2	1	0	0	0
06:00	45	39.9	33.1	6.6	0	1	1	2	8	14	15	3	1	0	0	0
07:00	62	38.5	33.2	5.1	0	0	1	3	10	23	22	3	0	0	0	0
08:00	74	37.8	32.3	5.3	0	0	0	4	24	24	15	7	0	0	0	0
09:00	78	38.6	32.3	6.2	1	2	0	0	18	36	17	2	2	0	0	0
10:00	83	36.6	30.9	5.5	0	0	2	10	21	34	13	2	1	0	0	0
11:00	81	36.4	30.8	5.4	0	0	4	5	23	35	12	1	1	0	0	0
12:00	112	40.2	33.8	6.3	1	1	0	4	20	39	31	14	2	0	0	0
13:00	140	38.7	32.3	6.2	1	3	1	7	23	66	30	7	1	1	0	0
14:00	148	39.3	33.3	5.8	0	1	1	6	27	64	33	12	3	1	0	0
15:00	179	37.9	32.2	5.4	0	1	4	5	48	70	39	11	1	0	0	0
16:00	178	39.8	33.1	6.5	0	2	8	5	30	61	51	19	2	0	0	0
17:00	158	39.9	34.1	5.6	0	1	0	8	18	65	49	12	4	1	0	0
18:00	115	40.2	34.5	5.5	0	0	1	3	14	48	34	11	3	1	0	0
19:00	88	40.8	35.2	5.5	0	0	1	0	11	34	28	9	5	0	0	0
20:00	68	40.5	34.9	5.4	0	0	0	0	14	21	23	8	1	1	0	0
21:00	39	42.8	36.3	6.2	0	0	0	1	6	7	16	5	4	0	0	0
22:00	40	37.7	32.1	5.4	0	0	0	3	11	15	9	1	1	0	0	0
23:00	18	38.0	32.8	5.0	0	0	0	0	5	9	3	0	1	0	0	0
Total																
2H(10-12)	164	36.5	30.8	5.5	0	0	6	15	44	69	25	3	2	0	0	0
2H(14-16)	327	38.5	32.7	5.6	0	2	5	11	75	134	72	23	4	1	0	0
12H(7-19)	1408	39.0	32.9	5.9	3	11	22	60	276	565	346	101	20	4	0	0
24H(0-24)	1752	39.4	33.2	5.9	3	12	24	67	336	686	449	131	38	5	1	0
AM Peak	10:00 83	01:00 50.7	01:00 40.0	01:00 10.4	09:00 1	09:00 2	11:00 4	10:00 10	08:00 24	09:00 36	07:00 22	08:00 7	02:00 2	00:00 0	01:00 1	00:00 0
PM Peak	15:00 179	21:00 42.8	21:00 36.3	16:00 6.5	12:00 1	13:00 3	16:00 8	17:00 8	15:00 48	15:00 70	16:00 51	16:00 19	19:00 5	13:00 1	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	8	41.6	36.3	5.2	0	0	0	0	1	2	3	2	0	0	0	0
01:00	6	50.7	40.0	10.4	0	0	0	0	0	3	1	0	1	0	1	0
02:00	8	43.8	35.0	8.5	0	0	0	1	0	5	0	0	2	0	0	0
03:00	12	42.1	34.6	7.2	0	0	0	1	3	1	5	1	1	0	0	0
04:00	24	38.1	33.3	4.6	0	0	0	1	3	13	5	2	0	0	0	0
05:00	103	37.6	32.3	5.1	0	0	1	5	29	35	29	3	1	0	0	0
06:00	137	37.8	32.0	5.6	0	1	1	10	37	46	34	7	1	0	0	0
07:00	199	37.7	32.7	4.8	0	0	2	10	37	86	56	8	0	0	0	0
08:00	216	38.1	32.8	5.0	0	0	0	8	58	80	52	17	1	0	0	0
09:00	163	36.9	31.2	5.4	1	3	0	7	49	71	28	2	2	0	0	0
10:00	172	36.3	30.6	5.5	0	1	3	18	55	67	21	4	3	0	0	0
11:00	196	36.8	30.9	5.8	0	0	11	12	57	76	33	4	3	0	0	0
12:00	203	39.4	33.3	5.9	1	1	0	11	38	81	45	23	3	0	0	0
13:00	251	39.2	32.7	6.3	1	3	2	16	44	109	55	16	1	3	1	0
14:00	244	38.7	33.0	5.5	0	1	2	11	47	105	57	17	3	1	0	0
15:00	317	38.0	32.8	5.1	0	1	4	7	74	134	77	17	3	0	0	0
16:00	320	39.5	33.2	6.1	0	2	8	11	64	119	80	30	4	2	0	0
17:00	283	39.4	34.0	5.1	0	1	0	12	33	120	94	16	6	1	0	0
18:00	199	40.1	34.1	5.8	0	0	3	5	28	87	53	15	6	1	1	0
19:00	158	39.9	34.3	5.4	0	0	1	3	21	73	41	12	6	1	0	0
20:00	103	40.6	34.7	5.6	0	0	0	1	21	33	32	13	1	2	0	0
21:00	71	42.4	35.5	6.7	0	0	0	2	14	17	25	7	4	1	1	0
22:00	56	39.8	32.9	6.7	0	0	1	4	14	19	11	3	4	0	0	0
23:00	30	38.3	33.5	4.6	0	0	0	0	5	18	4	2	1	0	0	0
Total																
2H(10-12)	368	36.6	30.7	5.6	0	1	14	30	112	143	54	8	6	0	0	0
2H(14-16)	561	38.3	32.9	5.2	0	2	6	18	121	239	134	34	6	1	0	0
12H(7-19)	2763	38.6	32.7	5.6	3	13	35	128	584	1135	651	169	35	8	2	0
24H(0-24)	3479	38.8	32.9	5.7	3	14	39	156	732	1400	841	221	57	12	4	0
AM Peak	08:00	01:00	01:00	01:00	09:00	09:00	11:00	10:00	08:00	07:00	07:00	08:00	10:00	00:00	01:00	00:00
	216	50.7	40.0	10.4	1	3	11	18	58	86	56	17	3	0	1	0
PM Peak	16:00	21:00	21:00	21:00	12:00	13:00	16:00	13:00	15:00	15:00	17:00	16:00	17:00	13:00	13:00	12:00
	320	42.4	35.5	6.7	1	3	8	16	74	134	94	30	6	3	1	0

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	6	46.8	37.5	8.9	0	0	0	1	0	1	1	2	1	0	0	0
01:00	4	41.7	37.5	4.1	0	0	0	0	0	1	2	1	0	0	0	0
02:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	4	40.3	33.8	6.3	0	0	0	0	1	2	0	1	0	0	0	0
04:00	9	35.5	29.2	6.1	0	0	1	1	2	4	1	0	0	0	0	0
05:00	36	37.5	32.2	5.1	0	0	0	2	11	12	9	2	0	0	0	0
06:00	36	40.0	32.8	7.0	0	0	0	3	11	10	9	1	0	2	0	0
07:00	50	37.6	31.6	5.7	1	0	0	1	17	19	9	3	0	0	0	0
08:00	78	37.5	31.9	5.5	0	1	1	1	25	33	11	5	1	0	0	0
09:00	119	37.1	32.0	4.9	0	1	0	4	34	51	24	4	1	0	0	0
10:00	100	37.8	32.3	5.3	0	1	2	2	24	43	22	6	0	0	0	0
11:00	109	37.6	33.0	4.4	0	0	0	2	20	62	19	3	3	0	0	0
12:00	113	39.7	33.4	6.0	0	2	1	4	18	44	33	8	3	0	0	0
13:00	106	37.1	31.8	5.1	0	0	3	6	23	49	21	4	0	0	0	0
14:00	92	37.7	33.0	4.6	0	0	0	2	21	42	20	7	0	0	0	0
15:00	76	38.0	33.2	4.7	0	0	0	3	13	37	18	4	1	0	0	0
16:00	74	38.6	33.9	4.6	0	0	0	1	11	38	16	7	1	0	0	0
17:00	54	40.0	33.8	6.0	0	1	0	1	7	27	12	4	1	1	0	0
18:00	45	38.0	33.1	4.8	0	0	0	0	9	27	7	0	1	1	0	0
19:00	44	38.2	32.8	5.2	0	0	0	2	9	23	5	4	1	0	0	0
20:00	34	43.1	34.1	8.7	0	1	0	2	5	14	7	2	1	0	2	0
21:00	27	39.4	32.5	6.7	0	0	0	3	6	11	4	2	0	1	0	0
22:00	21	38.8	31.1	7.4	0	0	0	2	10	5	3	0	0	0	1	0
23:00	13	37.8	30.6	6.9	0	0	1	2	2	5	2	1	0	0	0	0
Total																
2H(10-12)	209	37.7	32.6	4.9	0	1	2	4	44	105	41	9	3	0	0	0
2H(14-16)	168	37.9	33.1	4.6	0	0	0	5	34	79	38	11	1	0	0	0
12H(7-19)	1016	38.1	32.7	5.2	1	6	7	27	222	472	212	55	12	2	0	0
24H(0-24)	1251	38.4	32.7	5.5	1	7	9	45	279	561	255	71	15	5	3	0
AM Peak	09:00	00:00	00:00	00:00	07:00	08:00	10:00	09:00	09:00	11:00	09:00	10:00	11:00	06:00	00:00	00:00
	119	46.8	37.5	8.9	1	1	2	4	34	62	24	6	3	2	0	0
PM Peak	12:00	20:00	20:00	20:00	12:00	12:00	13:00	13:00	13:00	13:00	12:00	12:00	12:00	17:00	20:00	12:00
	113	43.1	34.1	8.7	0	2	3	6	23	49	33	8	3	1	2	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	12	44.6	37.1	7.2	0	0	0	0	0	8	0	2	1	1	0	0
01:00	4	45.1	36.3	8.5	0	0	0	0	1	1	1	0	1	0	0	0
02:00	4	41.7	37.5	4.1	0	0	0	0	0	1	2	1	0	0	0	0
03:00	4	43.7	38.8	4.8	0	0	0	0	0	1	1	2	0	0	0	0
04:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
05:00	9	43.0	36.9	5.8	0	0	0	0	1	2	4	1	1	0	0	0
06:00	26	42.8	34.6	7.9	0	1	1	1	0	10	8	3	2	0	0	0
07:00	21	37.8	31.3	6.3	0	0	1	2	5	8	3	2	0	0	0	0
08:00	43	40.1	34.2	5.7	0	0	0	2	7	15	14	3	2	0	0	0
09:00	66	40.1	33.9	5.9	0	0	3	1	7	27	21	5	2	0	0	0
10:00	96	38.7	33.5	5.0	0	0	1	0	22	39	24	9	1	0	0	0
11:00	101	40.5	33.8	6.5	0	0	5	3	16	32	29	14	2	0	0	0
12:00	110	39.7	34.8	4.7	0	1	0	0	9	51	34	15	0	0	0	0
13:00	117	40.6	34.2	6.2	0	2	0	4	18	42	31	17	3	0	0	0
14:00	130	39.4	34.3	4.9	0	0	1	2	21	43	53	8	2	0	0	0
15:00	99	40.6	34.3	6.1	0	1	0	2	18	38	25	10	4	1	0	0
16:00	107	41.3	36.2	4.9	0	0	0	0	8	37	43	15	2	2	0	0
17:00	70	40.9	35.5	5.2	0	0	0	0	9	25	26	5	5	0	0	0
18:00	74	40.1	34.8	5.1	0	0	0	0	12	29	23	8	1	1	0	0
19:00	55	40.5	34.1	6.2	0	1	0	0	12	19	14	7	2	0	0	0
20:00	52	40.3	34.8	5.3	0	0	0	2	6	19	17	7	1	0	0	0
21:00	29	42.5	35.1	7.1	0	1	1	0	2	7	13	4	1	0	0	0
22:00	29	41.5	34.9	6.4	0	0	0	1	5	10	7	5	0	1	0	0
23:00	16	38.1	34.4	3.6	0	0	0	0	1	9	5	1	0	0	0	0
Total																
2H(10-12)	197	39.7	33.7	5.8	0	0	6	3	38	71	53	23	3	0	0	0
2H(14-16)	229	39.9	34.3	5.4	0	1	1	4	39	81	78	18	6	1	0	0
12H(7-19)	1034	40.2	34.4	5.5	0	4	11	16	152	386	326	111	24	4	0	0
24H(0-24)	1276	40.4	34.5	5.7	0	7	13	20	180	474	399	144	33	6	0	0
AM Peak	11:00	01:00	03:00	01:00	00:00	06:00	11:00	11:00	10:00	10:00	11:00	11:00	06:00	00:00	00:00	00:00
	101	45.1	38.8	8.5	0	1	5	3	22	39	29	14	2	1	0	0
PM Peak	14:00	21:00	16:00	21:00	12:00	13:00	14:00	13:00	14:00	12:00	14:00	13:00	17:00	16:00	12:00	12:00
	130	42.5	36.2	7.1	0	2	1	4	21	51	53	17	5	2	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	18	45.1	37.2	7.6	0	0	0	1	0	9	1	4	2	1	0	0
01:00	8	43.3	36.9	6.2	0	0	0	0	1	2	3	1	1	0	0	0
02:00	5	40.8	36.5	4.2	0	0	0	0	0	2	2	1	0	0	0	0
03:00	8	42.3	36.3	5.8	0	0	0	0	1	3	1	3	0	0	0	0
04:00	11	36.5	30.2	6.1	0	0	1	1	2	5	2	0	0	0	0	0
05:00	45	38.9	33.2	5.5	0	0	0	2	12	14	13	3	1	0	0	0
06:00	62	41.2	33.5	7.4	0	1	1	4	11	20	17	4	2	2	0	0
07:00	71	37.6	31.5	5.9	1	0	1	3	22	27	12	5	0	0	0	0
08:00	121	38.6	32.7	5.6	0	1	1	3	32	48	25	8	3	0	0	0
09:00	185	38.3	32.7	5.4	0	1	3	5	41	78	45	9	3	0	0	0
10:00	196	38.3	32.9	5.2	0	1	3	2	46	82	46	15	1	0	0	0
11:00	210	39.1	33.4	5.5	0	0	5	5	36	94	48	17	5	0	0	0
12:00	223	39.8	34.1	5.4	0	3	1	4	27	95	67	23	3	0	0	0
13:00	223	39.1	33.1	5.8	0	2	3	10	41	91	52	21	3	0	0	0
14:00	222	38.7	33.8	4.8	0	0	1	4	42	85	73	15	2	0	0	0
15:00	175	39.6	33.8	5.6	0	1	0	5	31	75	43	14	5	1	0	0
16:00	181	40.3	35.2	4.9	0	0	0	1	19	75	59	22	3	2	0	0
17:00	124	40.6	34.8	5.6	0	1	0	1	16	52	38	9	6	1	0	0
18:00	119	39.4	34.1	5.0	0	0	0	0	21	56	30	8	2	2	0	0
19:00	99	39.5	33.6	5.8	0	1	0	2	21	42	19	11	3	0	0	0
20:00	86	41.6	34.5	6.8	0	1	0	4	11	33	24	9	2	0	2	0
21:00	56	41.1	33.8	7.0	0	1	1	3	8	18	17	6	1	1	0	0
22:00	50	40.6	33.3	7.0	0	0	0	3	15	15	10	5	0	1	1	0
23:00	29	38.5	32.7	5.6	0	0	1	2	3	14	7	2	0	0	0	0
Total																
2H(10-12)	406	38.7	33.1	5.4	0	1	8	7	82	176	94	32	6	0	0	0
2H(14-16)	397	39.1	33.8	5.1	0	1	1	9	73	160	116	29	7	1	0	0
12H(7-19)	2050	39.2	33.6	5.4	1	10	18	43	374	858	538	166	36	6	0	0
24H(0-24)	2527	39.5	33.6	5.7	1	14	22	65	459	1035	654	215	48	11	3	0
AM Peak	11:00	00:00	00:00	00:00	07:00	06:00	11:00	09:00	10:00	11:00	11:00	11:00	11:00	06:00	00:00	00:00
	210	45.1	37.2	7.6	1	1	5	5	46	94	48	17	5	2	0	0
PM Peak	12:00	20:00	16:00	22:00	12:00	12:00	13:00	13:00	14:00	12:00	14:00	12:00	17:00	16:00	20:00	12:00
	223	41.6	35.2	7.0	0	3	3	10	42	95	73	23	6	2	2	0

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	7	36.2	30.4	5.7	0	0	0	1	3	1	2	0	0	0	0	0
01:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	5	40.3	33.5	6.5	0	0	0	0	2	1	1	1	0	0	0	0
03:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	9	38.9	30.3	8.3	0	0	1	1	2	4	0	0	1	0	0	0
05:00	23	38.0	32.3	5.5	0	0	0	1	8	7	6	0	1	0	0	0
06:00	17	36.5	31.0	5.2	0	0	0	2	5	7	2	1	0	0	0	0
07:00	40	39.2	32.4	6.6	0	2	0	2	5	17	13	0	1	0	0	0
08:00	46	39.2	32.4	6.5	0	0	1	3	12	18	7	3	1	1	0	0
09:00	77	38.9	33.1	5.6	0	0	1	2	15	38	15	4	1	0	1	0
10:00	102	37.8	32.0	5.6	0	0	1	7	28	41	17	7	0	1	0	0
11:00	98	38.0	32.1	5.6	0	2	0	5	21	46	17	6	1	0	0	0
12:00	112	38.5	31.9	6.4	1	2	1	7	25	44	26	4	1	1	0	0
13:00	96	36.9	32.3	4.4	0	0	1	4	19	48	22	2	0	0	0	0
14:00	71	37.7	32.6	5.0	0	0	2	2	13	33	18	3	0	0	0	0
15:00	54	41.3	34.2	6.8	1	1	0	0	5	25	15	5	1	1	0	0
16:00	53	39.1	34.0	5.0	0	0	0	1	8	25	14	3	2	0	0	0
17:00	67	38.0	33.5	4.4	0	0	0	1	12	31	20	2	1	0	0	0
18:00	52	39.2	32.7	6.3	0	0	1	2	16	17	9	5	2	0	0	0
19:00	60	35.8	30.3	5.3	0	1	1	7	15	26	10	0	0	0	0	0
20:00	19	35.6	29.1	6.2	0	1	0	3	6	6	3	0	0	0	0	0
21:00	19	38.2	30.7	7.3	0	1	1	1	4	7	4	1	0	0	0	0
22:00	18	40.3	34.2	5.9	0	0	0	1	3	6	6	1	1	0	0	0
23:00	4	33.5	27.5	5.8	0	0	0	2	0	2	0	0	0	0	0	0
Total																
2H(10-12)	200	37.9	32.1	5.6	0	2	1	12	49	87	34	13	1	1	0	0
2H(14-16)	125	39.4	33.3	5.9	1	1	2	2	18	58	33	8	1	1	0	0
12H(7-19)	868	38.5	32.6	5.7	2	7	8	36	179	383	193	44	11	4	1	0
24H(0-24)	1051	38.3	32.3	5.7	2	10	11	55	228	451	227	48	14	4	1	0
AM Peak	10:00	02:00	02:00	04:00	00:00	07:00	04:00	10:00	10:00	11:00	10:00	10:00	04:00	08:00	09:00	00:00
	102	40.3	33.5	8.3	0	2	1	7	28	46	17	7	1	1	1	0
PM Peak	12:00	15:00	15:00	21:00	12:00	12:00	14:00	12:00	12:00	13:00	12:00	15:00	16:00	12:00	12:00	12:00
	112	41.3	34.2	7.3	1	2	2	7	25	48	26	5	2	1	0	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	15	38.0	31.8	5.9	0	0	0	1	6	4	2	2	0	0	0	0
01:00	9	44.4	37.5	6.6	0	0	0	0	0	4	3	1	0	1	0	0
02:00	5	41.5	32.5	8.7	0	0	0	0	3	1	0	0	1	0	0	0
03:00	4	41.2	36.3	4.8	0	0	0	0	0	2	1	1	0	0	0	0
04:00	2	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
05:00	8	37.8	35.0	2.7	0	0	0	0	0	4	4	0	0	0	0	0
06:00	13	39.6	35.6	3.8	0	0	0	0	1	4	7	1	0	0	0	0
07:00	19	39.1	33.3	5.6	0	0	0	2	2	8	5	2	0	0	0	0
08:00	33	38.6	31.9	6.5	0	1	1	1	7	14	6	3	0	0	0	0
09:00	51	38.7	31.3	7.1	0	2	3	2	9	21	11	2	1	0	0	0
10:00	79	39.8	34.5	5.1	0	0	1	1	9	33	26	7	2	0	0	0
11:00	101	39.0	32.7	6.1	0	2	2	4	19	38	27	9	0	0	0	0
12:00	89	39.8	33.7	5.9	0	1	1	3	17	26	33	6	2	0	0	0
13:00	90	39.5	33.9	5.4	0	1	0	2	15	34	30	6	2	0	0	0
14:00	108	39.7	33.3	6.2	0	1	1	5	22	39	28	9	2	1	0	0
15:00	86	38.5	34.3	4.1	0	0	0	0	11	39	31	4	1	0	0	0
16:00	76	40.3	34.6	5.5	0	0	1	3	8	26	29	7	2	0	0	0
17:00	77	40.0	34.1	5.7	0	0	2	0	12	30	27	4	1	0	1	0
18:00	65	41.5	35.0	6.3	0	1	1	1	8	18	25	10	0	1	0	0
19:00	58	39.9	33.9	5.8	0	0	1	2	10	22	14	8	1	0	0	0
20:00	49	38.6	32.9	5.5	0	1	1	0	8	23	13	3	0	0	0	0
21:00	35	41.6	33.2	8.1	1	0	0	2	10	5	14	0	2	1	0	0
22:00	29	41.7	34.7	6.8	0	0	0	1	5	11	8	2	0	2	0	0
23:00	9	43.7	34.7	8.7	0	0	0	0	4	1	2	1	0	1	0	0
Total																
2H(10-12)	180	39.4	33.5	5.7	0	2	3	5	28	71	53	16	2	0	0	0
2H(14-16)	194	39.3	33.7	5.3	0	1	1	5	33	78	59	13	3	1	0	0
12H(7-19)	874	39.7	33.7	5.8	0	9	13	24	139	326	278	69	13	2	1	0
24H(0-24)	1110	39.8	33.7	5.9	1	10	15	30	188	407	346	88	17	7	1	0
AM Peak	11:00	01:00	01:00	02:00	00:00	09:00	09:00	11:00	11:00	11:00	11:00	11:00	10:00	01:00	00:00	00:00
	101	44.4	37.5	8.7	0	2	3	4	19	38	27	9	2	1	0	0
PM Peak	14:00	23:00	18:00	23:00	21:00	12:00	17:00	14:00	14:00	14:00	12:00	18:00	12:00	22:00	17:00	12:00
	108	43.7	35.0	8.7	1	1	2	5	22	39	33	10	2	2	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	22	37.3	31.4	5.8	0	0	0	2	9	5	4	2	0	0	0	0
01:00	10	43.7	36.5	7.0	0	0	0	0	1	4	3	1	0	1	0	0
02:00	10	40.5	33.0	7.2	0	0	0	0	5	2	1	1	1	0	0	0
03:00	5	40.1	35.5	4.5	0	0	0	0	0	3	1	1	0	0	0	0
04:00	11	37.6	29.8	7.5	0	0	1	1	4	4	0	0	1	0	0	0
05:00	31	38.2	33.0	5.1	0	0	0	1	8	11	10	0	1	0	0	0
06:00	30	38.3	33.0	5.1	0	0	0	2	6	11	9	2	0	0	0	0
07:00	59	39.1	32.7	6.2	0	2	0	4	7	25	18	2	1	0	0	0
08:00	79	38.9	32.2	6.5	0	1	2	4	19	32	13	6	1	1	0	0
09:00	128	38.9	32.4	6.3	0	2	4	4	24	59	26	6	2	0	1	0
10:00	181	38.8	33.1	5.5	0	0	2	8	37	74	43	14	2	1	0	0
11:00	199	38.5	32.4	5.8	0	4	2	9	40	84	44	15	1	0	0	0
12:00	201	39.2	32.7	6.3	1	3	2	10	42	70	59	10	3	1	0	0
13:00	186	38.2	33.1	5.0	0	1	1	6	34	82	52	8	2	0	0	0
14:00	179	38.9	33.0	5.7	0	1	3	7	35	72	46	12	2	1	0	0
15:00	140	39.7	34.3	5.3	1	1	0	0	16	64	46	9	2	1	0	0
16:00	129	39.8	34.4	5.3	0	0	1	4	16	51	43	10	4	0	0	0
17:00	144	39.1	33.8	5.1	0	0	2	1	24	61	47	6	2	0	1	0
18:00	117	40.6	34.0	6.4	0	1	2	3	24	35	34	15	2	1	0	0
19:00	118	38.1	32.1	5.8	0	1	2	9	25	48	24	8	1	0	0	0
20:00	68	38.0	31.8	5.9	0	2	1	3	14	29	16	3	0	0	0	0
21:00	54	40.5	32.3	7.9	1	1	1	3	14	12	18	1	2	1	0	0
22:00	47	41.2	34.5	6.4	0	0	0	2	8	17	14	3	1	2	0	0
23:00	13	41.2	32.5	8.4	0	0	0	2	4	3	2	1	0	1	0	0
Total																
2H(10-12)	380	38.6	32.8	5.7	0	4	4	17	77	158	87	29	3	1	0	0
2H(14-16)	319	39.3	33.6	5.6	1	2	3	7	51	136	92	21	4	2	0	0
12H(7-19)	1742	39.1	33.2	5.8	2	16	21	60	318	709	471	113	24	6	2	0
24H(0-24)	2161	39.1	33.0	5.9	3	20	26	85	416	858	573	136	31	11	2	0
AM Peak	11:00 199	01:00 43.7	01:00 36.5	04:00 7.5	00:00 0	11:00 4	09:00 4	11:00 9	11:00 40	11:00 84	11:00 44	11:00 15	09:00 2	01:00 1	09:00 1	00:00 0
PM Peak	12:00 201	23:00 41.2	22:00 34.5	23:00 8.4	12:00 1	12:00 3	14:00 3	12:00 10	12:00 42	13:00 82	12:00 59	18:00 15	16:00 4	22:00 2	17:00 1	12:00 0

Paul Castle Associates

Tween Bridge ATC 2, North Common Road

Direction: Southwestbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	3	32.5	32.5	0.0	0	0	0	0	0	3	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	3	37.7	32.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
03:00	10	35.1	28.0	6.9	0	0	2	1	2	4	1	0	0	0	0	0
04:00	22	37.5	30.5	6.8	0	0	1	5	4	5	6	1	0	0	0	0
05:00	110	36.8	30.2	6.4	1	0	5	16	27	36	22	2	1	0	0	0
06:00	105	36.3	30.6	5.4	0	0	3	13	26	46	12	5	0	0	0	0
07:00	151	37.6	32.4	5.0	0	0	1	12	24	73	34	6	1	0	0	0
08:00	137	37.8	32.0	5.6	0	2	2	7	34	51	36	4	1	0	0	0
09:00	77	36.5	28.9	7.4	2	4	5	3	22	29	11	1	0	0	0	0
10:00	97	37.2	31.9	5.1	0	0	2	4	27	39	20	5	0	0	0	0
11:00	76	37.3	31.7	5.4	0	0	1	5	25	23	18	4	0	0	0	0
12:00	81	37.8	32.2	5.4	0	0	3	6	10	40	18	4	0	0	0	0
13:00	86	37.6	31.9	5.4	0	0	2	8	15	39	17	5	0	0	0	0
14:00	118	37.4	32.1	5.1	0	0	1	10	20	60	23	1	3	0	0	0
15:00	104	38.0	33.2	4.6	0	0	0	4	18	49	25	8	0	0	0	0
16:00	110	38.0	33.0	4.8	0	0	0	4	24	47	28	6	1	0	0	0
17:00	202	37.4	32.1	5.1	0	2	2	7	45	100	39	4	2	1	0	0
18:00	246	39.0	32.4	6.3	0	3	5	14	49	109	44	14	6	1	1	0
19:00	225	37.1	32.0	4.9	0	1	1	11	54	107	43	6	1	1	0	0
20:00	154	37.9	31.8	5.9	1	0	2	8	50	54	27	10	1	1	0	0
21:00	138	38.4	32.9	5.3	0	0	1	5	31	61	27	10	3	0	0	0
22:00	62	38.2	32.9	5.1	0	0	0	1	16	29	12	2	1	1	0	0
23:00	32	38.7	32.0	6.4	0	0	1	1	7	19	2	1	0	0	1	0
Total																
2H(10-12)	173	37.2	31.8	5.2	0	0	3	9	52	62	38	9	0	0	0	0
2H(14-16)	222	37.7	32.6	4.9	0	0	1	14	38	109	48	9	3	0	0	0
12H(7-19)	1485	37.9	32.1	5.5	2	11	24	84	313	659	313	62	14	2	1	0
24H(0-24)	2349	37.7	32.0	5.6	4	12	40	145	531	1024	466	99	21	5	2	0
AM Peak	07:00	08:00	00:00	09:00	09:00	09:00	05:00	05:00	08:00	07:00	08:00	07:00	05:00	00:00	00:00	00:00
	151	37.8	32.5	7.4	2	4	5	16	34	73	36	6	1	0	0	0
PM Peak	18:00	18:00	15:00	23:00	20:00	18:00	18:00	18:00	19:00	18:00	18:00	18:00	18:00	17:00	18:00	12:00
	246	39.0	33.2	6.4	1	3	5	14	54	109	44	14	6	1	1	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	7	37.3	31.8	5.3	0	0	0	1	1	3	2	0	0	0	0	0
01:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	5	42.7	37.5	5.0	0	0	0	0	0	2	1	2	0	0	0	0
03:00	4	40.2	35.0	5.0	0	0	0	0	1	0	3	0	0	0	0	0
04:00	16	39.3	34.4	4.8	0	0	0	1	1	6	7	1	0	0	0	0
05:00	29	38.6	34.4	4.1	0	0	0	0	4	12	11	2	0	0	0	0
06:00	52	40.6	34.5	5.9	0	0	1	1	8	17	18	6	0	1	0	0
07:00	57	41.9	35.2	6.5	0	0	3	1	4	17	19	12	1	0	0	0
08:00	92	39.2	33.3	5.7	0	0	3	2	15	40	23	7	2	0	0	0
09:00	78	38.7	32.6	5.9	0	1	1	2	22	27	17	7	1	0	0	0
10:00	76	38.0	32.6	5.2	0	0	0	2	25	25	18	5	1	0	0	0
11:00	73	39.8	33.0	6.5	0	0	2	4	17	24	16	7	3	0	0	0
12:00	90	38.5	32.7	5.6	0	0	2	4	23	28	26	7	0	0	0	0
13:00	99	38.7	32.1	6.3	0	0	2	12	21	31	23	9	1	0	0	0
14:00	124	39.5	33.2	6.1	2	0	1	6	19	47	37	12	0	0	0	0
15:00	117	39.2	33.7	5.3	1	0	2	3	7	63	29	12	0	0	0	0
16:00	187	39.0	33.4	5.4	0	0	0	10	36	73	51	14	1	2	0	0
17:00	215	39.1	33.1	5.8	0	2	2	11	36	91	54	15	2	2	0	0
18:00	354	36.8	31.9	4.8	0	1	1	14	105	157	60	13	3	0	0	0
19:00	232	36.7	31.8	4.7	0	1	2	11	57	115	36	10	0	0	0	0
20:00	207	37.6	32.7	4.7	0	1	0	4	50	96	43	12	1	0	0	0
21:00	123	39.9	33.8	5.9	0	1	0	4	27	40	37	10	3	1	0	0
22:00	92	40.0	33.8	6.0	0	0	0	3	22	35	17	13	1	0	1	0
23:00	36	38.6	33.5	4.9	0	0	0	1	7	15	11	1	1	0	0	0
Total																
2H(10-12)	149	38.9	32.8	5.8	0	0	2	6	42	49	34	12	4	0	0	0
2H(14-16)	241	39.4	33.5	5.7	3	0	3	9	26	110	66	24	0	0	0	0
12H(7-19)	1562	38.7	32.9	5.6	3	4	19	71	330	623	373	120	15	4	0	0
24H(0-24)	2367	38.6	32.9	5.5	3	7	22	97	508	965	560	177	21	6	1	0
AM Peak	08:00	02:00	02:00	11:00	00:00	09:00	07:00	11:00	10:00	08:00	08:00	07:00	11:00	06:00	00:00	00:00
	92	42.7	37.5	6.5	0	1	3	4	25	40	23	12	3	1	0	0
PM Peak	18:00	22:00	21:00	13:00	14:00	17:00	12:00	18:00	18:00	18:00	18:00	17:00	18:00	16:00	22:00	12:00
	354	40.0	33.8	6.3	2	2	2	14	105	157	60	15	3	2	1	0

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Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	10	36.5	32.0	4.4	0	0	0	1	1	6	2	0	0	0	0	0
01:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	8	41.1	35.6	5.3	0	0	0	0	1	3	2	2	0	0	0	0
03:00	14	37.3	30.0	7.0	0	0	2	1	3	4	4	0	0	0	0	0
04:00	38	38.6	32.1	6.3	0	0	1	6	5	11	13	2	0	0	0	0
05:00	139	37.5	31.1	6.2	1	0	5	16	31	48	33	4	1	0	0	0
06:00	157	38.0	31.9	5.9	0	0	4	14	34	63	30	11	0	1	0	0
07:00	208	38.9	33.2	5.5	0	0	4	13	28	90	53	18	2	0	0	0
08:00	229	38.4	32.5	5.7	0	2	5	9	49	91	59	11	3	0	0	0
09:00	155	37.9	30.7	6.9	2	5	6	5	44	56	28	8	1	0	0	0
10:00	173	37.5	32.2	5.1	0	0	2	6	52	64	38	10	1	0	0	0
11:00	149	38.5	32.4	6.0	0	0	3	9	42	47	34	11	3	0	0	0
12:00	171	38.1	32.4	5.5	0	0	5	10	33	68	44	11	0	0	0	0
13:00	185	38.1	32.0	5.9	0	0	4	20	36	70	40	14	1	0	0	0
14:00	242	38.5	32.7	5.7	2	0	2	16	39	107	60	13	3	0	0	0
15:00	221	38.7	33.5	5.0	1	0	2	7	25	112	54	20	0	0	0	0
16:00	297	38.6	33.3	5.2	0	0	0	14	60	120	79	20	2	2	0	0
17:00	417	38.3	32.6	5.5	0	4	4	18	81	191	93	19	4	3	0	0
18:00	600	37.7	32.1	5.5	0	4	6	28	154	266	104	27	9	1	1	0
19:00	457	36.9	31.9	4.8	0	2	3	22	111	222	79	16	1	1	0	0
20:00	361	37.7	32.3	5.3	1	1	2	12	100	150	70	22	2	1	0	0
21:00	261	39.1	33.3	5.6	0	1	1	9	58	101	64	20	6	1	0	0
22:00	154	39.3	33.4	5.7	0	0	0	4	38	64	29	15	2	1	1	0
23:00	68	38.7	32.8	5.7	0	0	1	2	14	34	13	2	1	0	1	0
Total																
2H(10-12)	322	38.0	32.3	5.5	0	0	5	15	94	111	72	21	4	0	0	0
2H(14-16)	463	38.6	33.1	5.4	3	0	4	23	64	219	114	33	3	0	0	0
12H(7-19)	3047	38.3	32.5	5.6	5	15	43	155	643	1282	686	182	29	6	1	0
24H(0-24)	4716	38.2	32.4	5.5	7	19	62	242	1039	1989	1026	276	42	11	3	0
AM Peak	08:00	02:00	02:00	03:00	09:00	09:00	09:00	05:00	10:00	08:00	08:00	07:00	08:00	06:00	00:00	00:00
	229	41.1	35.6	7.0	2	5	6	16	52	91	59	18	3	1	0	0
PM Peak	18:00	22:00	15:00	13:00	14:00	17:00	18:00	18:00	18:00	18:00	18:00	18:00	18:00	17:00	18:00	12:00
	600	39.3	33.5	5.9	2	4	6	28	154	266	104	27	9	3	1	0

Paul Castle Associates



Appendix C: Automatic Traffic Survey Reports – Link 3

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	11	6	7	10	22	30	10	9	14
01:00	8	10	6	11	10	15	11	9	10
02:00	7	8	8	7	5	7	10	8	7
03:00	4	7	7	7	3	6	5	6	6
04:00	22	20	24	17	6	8	28	22	18
05:00	85	75	85	79	26	31	90	83	67
06:00	153	174	171	139	64	28	167	161	128
07:00	247	245	265	223	87	60	215	239	192
08:00	259	346	254	232	103	100	245	267	220
09:00	175	192	174	176	182	131	191	182	174
10:00	163	191	166	223	243	167	179	184	190
11:00	182	174	168	210	218	250	174	182	197
12:00	184	203	172	227	228	230	203	198	207
13:00	197	225	216	276	211	193	215	226	219
14:00	216	214	228	304	251	205	206	234	232
15:00	271	279	281	339	210	214	247	283	263
16:00	322	347	365	319	181	199	311	333	292
17:00	378	359	358	354	160	150	364	363	303
18:00	212	236	232	233	118	131	328	248	213
19:00	113	170	166	156	120	106	201	161	147
20:00	95	115	94	103	73	89	134	108	100
21:00	57	78	88	82	59	54	103	82	74
22:00	40	39	46	48	48	29	61	47	44
23:00	12	19	28	22	24	16	30	22	22
Total									
12H(7-19)	2806	3011	2879	3116	2192	2030	2878	2938	2702
16H(6-22)	3224	3548	3398	3596	2508	2307	3483	3450	3152
18H(6-24)	3276	3606	3472	3666	2500	2352	3574	3519	3218
24H(0-24)	3413	3732	3609	3797	2652	2449	3728	3656	3340
AM Peak	08:00 259	08:00 346	07:00 285	08:00 232	10:00 243	11:00 250	08:00 245	08:00 267	08:00 220
PM Peak	17:00 378	17:00 359	16:00 365	17:00 354	14:00 251	12:00 230	17:00 364	17:00 363	17:00 303

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Direction: Southbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	11	9	7	12	16	20	6	9	12
01:00	9	4	3	5	6	8	6	5	6
02:00	10	8	7	9	2	6	5	8	7
03:00	13	12	15	19	5	7	18	15	13
04:00	32	26	43	26	11	16	37	33	27
05:00	101	111	120	95	41	23	176	121	95
06:00	200	191	193	170	49	37	197	190	148
07:00	361	366	334	298	92	83	325	337	266
08:00	256	300	283	240	146	83	218	259	218
09:00	202	210	209	200	179	147	170	198	188
10:00	182	188	195	197	212	209	180	188	195
11:00	188	199	203	204	207	188	184	196	196
12:00	184	192	156	237	210	235	186	191	200
13:00	183	155	196	226	212	210	177	187	194
14:00	188	218	199	220	170	200	208	207	200
15:00	238	252	216	313	150	164	211	246	221
16:00	284	246	290	256	135	196	253	266	237
17:00	306	308	270	217	143	208	272	275	246
18:00	162	180	190	171	95	142	157	172	157
19:00	109	104	103	111	113	121	117	109	111
20:00	63	76	79	84	70	55	92	79	74
21:00	62	53	59	56	41	38	70	60	54
22:00	33	36	39	32	38	31	34	35	35
23:00	8	19	13	21	32	9	19	16	17
Total									
12H(7-19)	2734	2814	2741	2779	1951	2065	2541	2722	2518
16H(6-22)	3168	3238	3175	3200	2224	2316	3017	3160	2905
18H(6-24)	3209	3293	3227	3253	2294	2356	3070	3210	2957
24H(0-24)	3385	3463	3422	3419	2375	2436	3318	3401	3117
AM Peak	07:00 361	07:00 366	07:00 334	07:00 298	10:00 212	10:00 209	07:00 325	07:00 337	07:00 266
PM Peak	17:00 306	17:00 308	16:00 290	15:00 313	13:00 212	12:00 235	17:00 272	17:00 275	17:00 246

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Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	22	15	14	22	38	50	16	18	25
01:00	17	14	9	16	16	23	17	15	16
02:00	17	16	15	16	7	13	15	16	14
03:00	17	19	22	26	8	13	23	21	18
04:00	54	46	67	43	17	24	65	55	45
05:00	186	186	205	174	67	54	266	203	163
06:00	353	365	364	309	113	65	364	351	276
07:00	608	611	599	521	179	143	540	576	457
08:00	515	646	537	472	249	183	463	527	438
09:00	377	402	383	376	361	278	361	380	363
10:00	345	379	361	420	455	376	359	373	385
11:00	370	373	371	414	425	438	358	377	393
12:00	368	395	328	464	438	465	389	389	407
13:00	380	380	412	502	423	403	392	413	413
14:00	404	432	427	524	421	405	414	440	432
15:00	509	531	497	652	360	378	458	529	484
16:00	606	593	655	575	316	395	564	599	529
17:00	684	667	628	571	303	358	637	637	550
18:00	374	416	422	404	213	273	485	420	370
19:00	222	274	269	267	233	227	318	270	259
20:00	158	191	173	187	143	144	226	187	175
21:00	119	131	147	138	100	92	173	142	129
22:00	73	75	85	80	86	60	95	82	79
23:00	20	38	41	43	56	25	49	38	39
Total									
12H(7-19)	5540	5825	5620	5895	4143	4095	5419	5660	5220
16H(6-22)	6392	6786	6573	6796	4732	4623	6500	6609	6057
18H(6-24)	6485	6899	6699	6919	4874	4708	6644	6729	6175
24H(0-24)	6798	7195	7031	7216	5027	4885	7046	7057	6457
AM Peak	07:00 608	08:00 646	07:00 599	07:00 521	10:00 455	11:00 438	07:00 540	07:00 576	07:00 457
PM Peak	17:00 684	17:00 667	16:00 655	15:00 652	12:00 438	12:00 465	17:00 636	17:00 637	17:00 550

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Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	3413	2611	582	188	32
Wed 7 Jun 2023	3732	2868	657	180	27
Thu 8 Jun 2023	3609	2768	611	208	22
Fri 9 Jun 2023	3797	2953	620	196	28
Sat 10 Jun 2023	2652	2281	344	19	8
Sun 11 Jun 2023	2449	2191	239	13	6
Mon 12 Jun 2023	3728	2895	661	148	24
5 Day Ave.	3656	2819	626	184	27
7 Day Ave.	3340	2652	531	136	21

Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	3385	2641	665	51	28
Wed 7 Jun 2023	3463	2678	693	59	33
Thu 8 Jun 2023	3422	2665	662	71	24
Fri 9 Jun 2023	3419	2649	670	72	28
Sat 10 Jun 2023	2375	1995	357	11	12
Sun 11 Jun 2023	2436	2055	348	21	12
Mon 12 Jun 2023	3318	2414	732	131	41
5 Day Ave.	3401	2609	684	77	31
7 Day Ave.	3117	2442	590	59	25

Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	6798	5252	1247	239	60
Wed 7 Jun 2023	7195	5546	1350	239	60
Thu 8 Jun 2023	7031	5433	1273	279	46
Fri 9 Jun 2023	7216	5602	1290	268	56
Sat 10 Jun 2023	5027	4276	701	30	20
Sun 11 Jun 2023	4885	4246	587	34	18
Mon 12 Jun 2023	7046	5309	1393	279	65
5 Day Ave.	7057	5428	1311	261	57
7 Day Ave.	6457	5095	1120	195	46

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	76.5%	17.1%	5.5%	0.9%
Wed 7 Jun 2023	100.0%	76.8%	17.6%	4.8%	0.7%
Thu 8 Jun 2023	100.0%	76.7%	16.9%	5.8%	0.6%
Fri 9 Jun 2023	100.0%	77.8%	16.3%	5.2%	0.7%
Sat 10 Jun 2023	100.0%	86.0%	13.0%	0.7%	0.3%
Sun 11 Jun 2023	100.0%	89.5%	9.8%	0.5%	0.2%
Mon 12 Jun 2023	100.0%	77.7%	17.7%	4.0%	0.6%
5 Day Ave.	100.0%	77.1%	17.1%	5.0%	0.7%
7 Day Ave.	100.0%	79.4%	15.9%	4.1%	0.6%

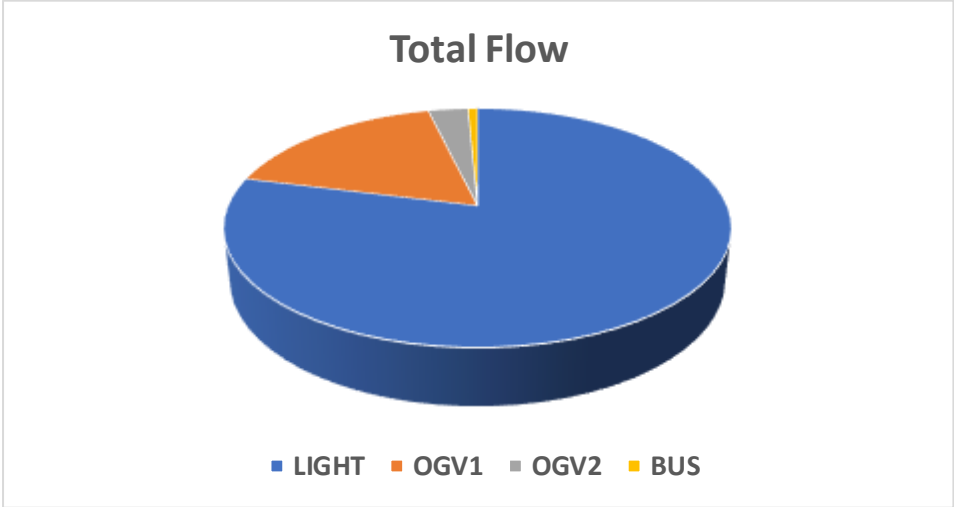
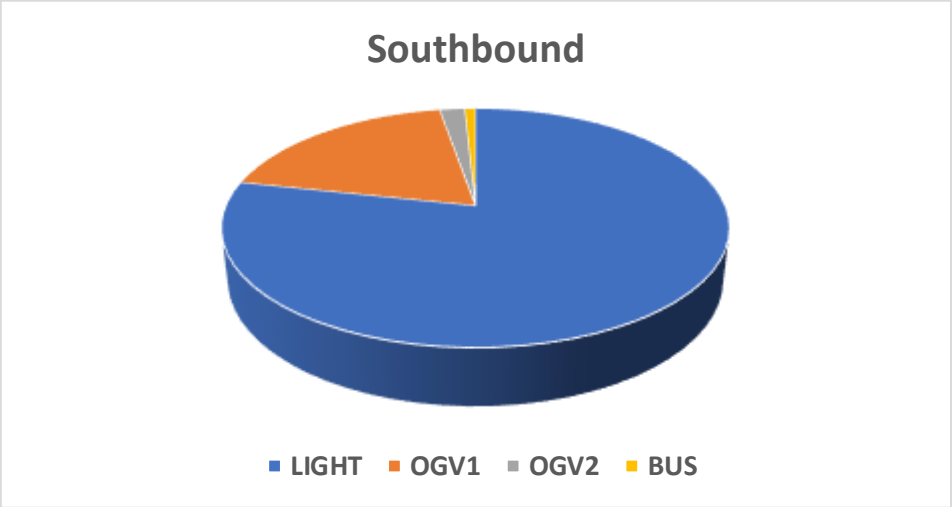
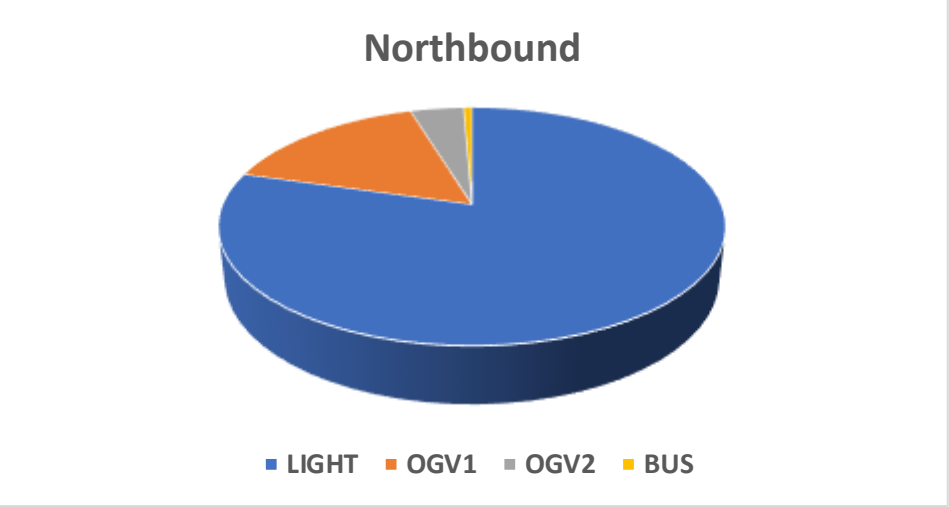
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	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	78.0%	19.6%	1.5%	0.8%
Wed 7 Jun 2023	100.0%	77.3%	20.0%	1.7%	1.0%
Thu 8 Jun 2023	100.0%	77.9%	19.3%	2.1%	0.7%
Fri 9 Jun 2023	100.0%	77.5%	19.6%	2.1%	0.8%
Sat 10 Jun 2023	100.0%	84.0%	15.0%	0.5%	0.5%
Sun 11 Jun 2023	100.0%	84.4%	14.3%	0.9%	0.5%
Mon 12 Jun 2023	100.0%	72.8%	22.1%	3.9%	1.2%
5 Day Ave.	100.0%	76.7%	20.1%	2.3%	0.9%
7 Day Ave.	100.0%	78.4%	18.9%	1.9%	0.8%

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	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	77.3%	18.3%	3.5%	0.9%
Wed 7 Jun 2023	100.0%	77.1%	18.8%	3.3%	0.8%
Thu 8 Jun 2023	100.0%	77.3%	18.1%	4.0%	0.7%
Fri 9 Jun 2023	100.0%	77.6%	17.9%	3.7%	0.8%
Sat 10 Jun 2023	100.0%	85.1%	13.9%	0.6%	0.4%
Sun 11 Jun 2023	100.0%	86.9%	12.0%	0.7%	0.4%
Mon 12 Jun 2023	100.0%	75.3%	19.8%	4.0%	0.9%
5 Day Ave.	100.0%	76.9%	18.6%	3.7%	0.8%
7 Day Ave.	100.0%	78.9%	17.3%	3.0%	0.7%

Paul Castle Associates

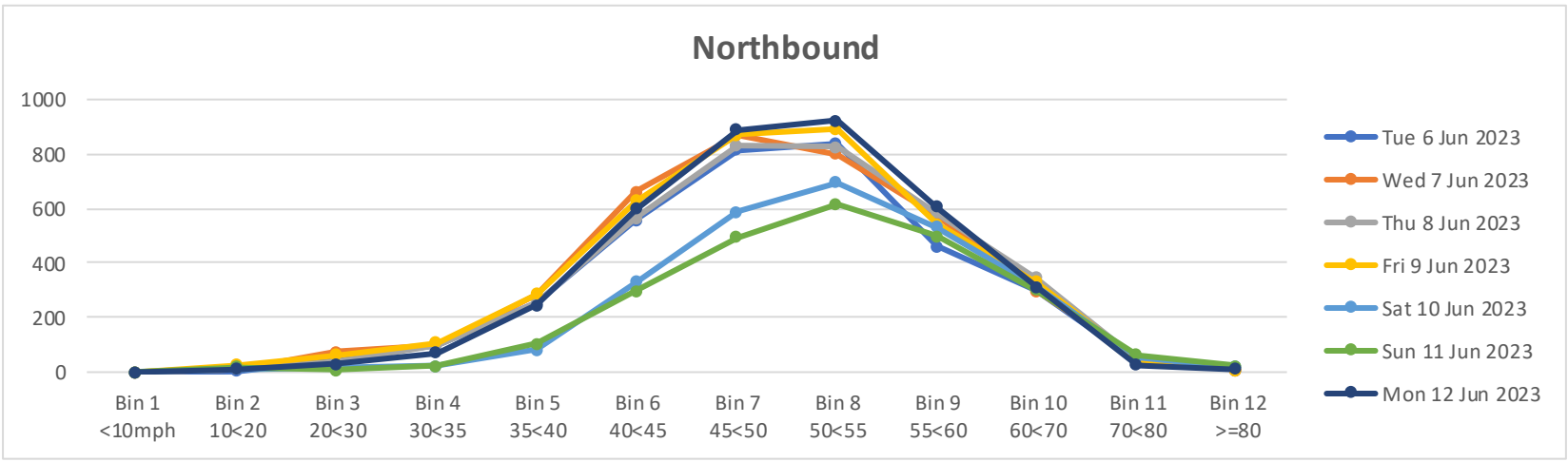


Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	3413	58.9	49.7	8.9	0	3	43	96	253	558	813	838	461	300	42	6
Wed 7 Jun 2023	3732	59.1	49.4	9.4	0	13	76	101	281	661	869	799	574	296	54	8
Thu 8 Jun 2023	3609	59.7	50.2	9.2	1	10	41	96	252	565	831	824	584	345	48	12
Fri 9 Jun 2023	3797	59.2	49.4	9.4	0	26	62	108	287	628	870	892	543	330	43	8
Sat 10 Jun 2023	2652	61.5	52.4	8.8	0	10	14	21	81	330	586	694	533	314	51	18
Sun 11 Jun 2023	2449	62.4	52.5	9.5	1	18	8	23	104	297	495	616	499	303	63	22
Mon 12 Jun 2023	3728	58.9	50.1	8.5	0	10	31	71	246	600	888	924	608	314	26	10
5 Day Ave.	3656	59.2	49.8	9.1	0	12	51	94	264	602	854	855	554	317	43	9
7 Day Ave.	3340	60.0	50.5	9.1	0	13	39	74	215	520	765	798	543	315	47	12

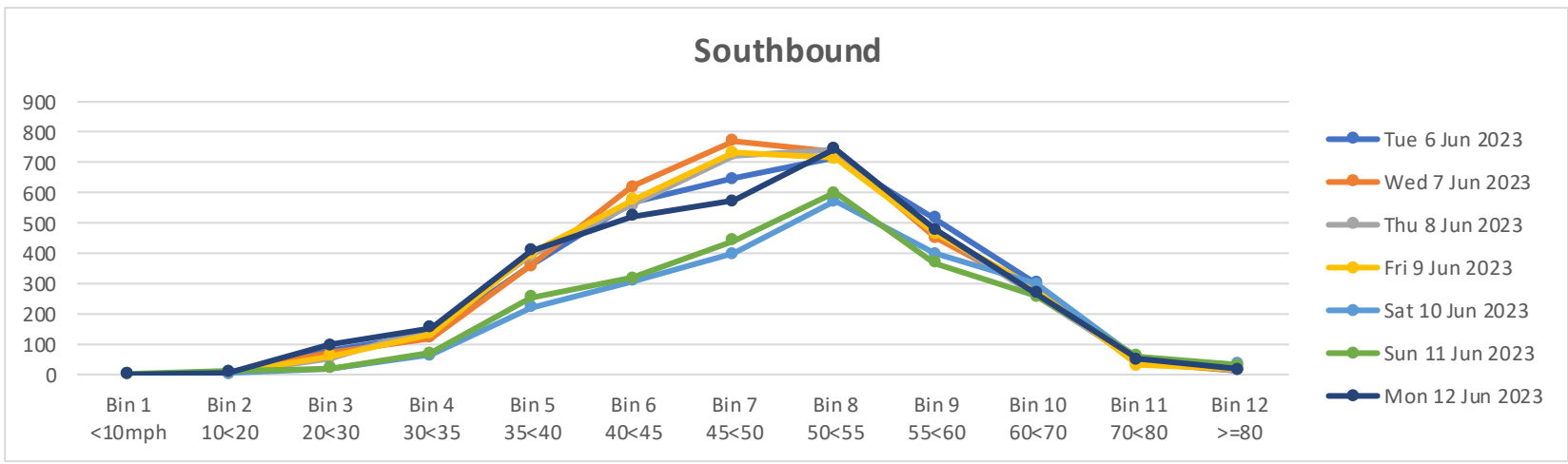
Paul Castle Associates



Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	3385	59.3	49.1	9.9	0	6	77	132	361	571	646	716	517	303	43	13
Wed 7 Jun 2023	3463	58.6	48.8	9.5	0	4	72	122	360	621	770	734	452	273	41	14
Thu 8 Jun 2023	3422	58.8	48.9	9.6	0	3	53	151	392	560	724	742	471	263	48	15
Fri 9 Jun 2023	3419	58.8	48.8	9.6	0	3	61	133	397	577	733	714	465	286	30	20
Sat 10 Jun 2023	2375	62.3	51.5	10.4	0	3	22	65	220	307	399	573	399	298	55	34
Sun 11 Jun 2023	2436	61.6	50.8	10.5	2	10	19	71	254	319	443	601	367	259	60	31
Mon 12 Jun 2023	3318	59.2	48.6	10.2	0	6	97	155	410	522	572	745	479	267	49	16
5 Day Ave.	3401	58.9	48.8	9.8	0	4	72	139	384	570	689	730	477	278	42	16
7 Day Ave.	3117	59.8	49.5	9.9	0	5	57	118	342	497	612	689	450	278	47	20

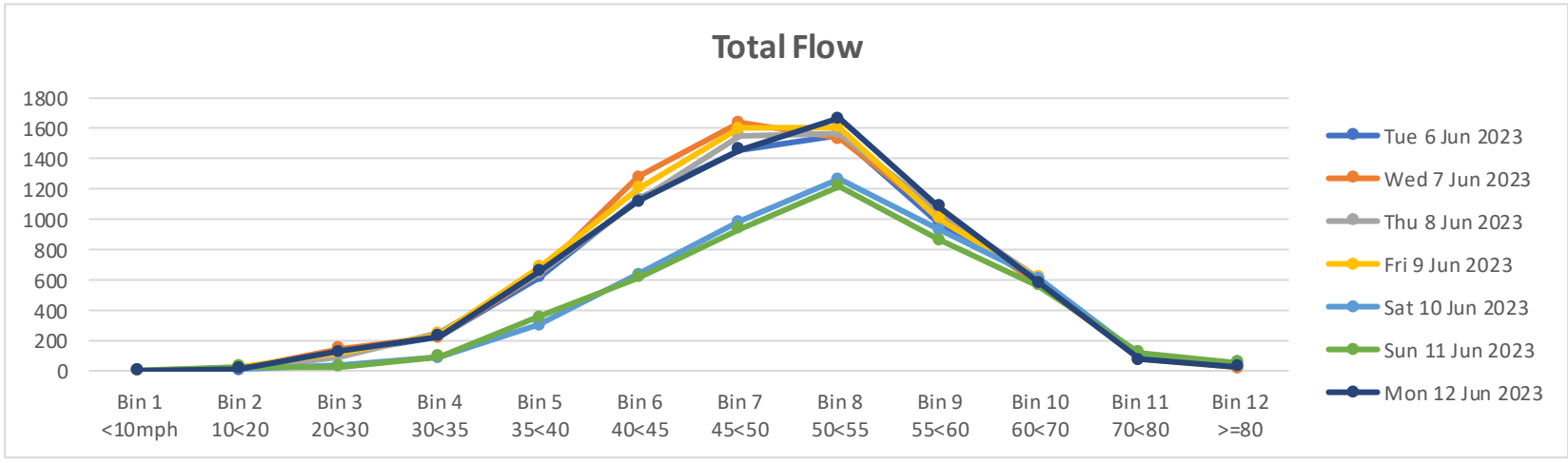
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	6798	59.1	49.4	9.4	0	9	120	228	614	1129	1459	1554	978	603	85	19
Wed 7 Jun 2023	7195	58.8	49.1	9.4	0	17	148	223	641	1282	1639	1533	1026	569	95	22
Thu 8 Jun 2023	7031	59.3	49.5	9.4	1	13	94	247	644	1125	1555	1566	1055	608	96	27
Fri 9 Jun 2023	7216	59.0	49.1	9.5	0	29	123	241	684	1205	1603	1606	1008	616	73	28
Sat 10 Jun 2023	5027	61.9	52.0	9.6	0	13	36	86	301	637	985	1267	932	612	106	52
Sun 11 Jun 2023	4885	62.1	51.6	10.0	3	28	27	94	358	616	938	1217	866	562	123	53
Mon 12 Jun 2023	7046	59.1	49.4	9.4	0	16	128	226	656	1122	1460	1669	1087	581	75	26
5 Day Ave.	7057	59.1	49.3	9.4	0	17	123	233	648	1173	1543	1586	1031	595	85	24
7 Day Ave.	6457	59.9	50.0	9.5	1	18	97	192	557	1017	1377	1487	993	593	93	32

Paul Castle Associates



Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	345	55.9	47.3	8.2	0	0	8	17	27	76	85	87	29	14	2	0
Wed 7 Jun 2023	365	56.7	47.4	8.9	0	2	7	18	41	62	97	77	38	21	2	0
Thu 8 Jun 2023	334	57.4	49.1	8.0	0	0	2	9	27	55	93	84	41	19	4	0
Fri 9 Jun 2023	433	58.5	49.1	9.1	0	2	11	7	30	72	112	101	68	24	4	2
Sat 10 Jun 2023	461	61.0	51.8	8.9	0	5	3	1	12	53	125	116	83	56	4	3
Sun 11 Jun 2023	417	61.2	51.2	9.6	1	5	2	2	28	50	96	102	72	53	4	2
Mon 12 Jun 2023	353	57.7	49.2	8.2	0	2	1	7	26	62	97	89	46	20	1	2
5 Day Ave.	366	57.2	48.4	8.5	0	1	6	12	30	65	97	88	44	20	3	1
7 Day Ave.	387	58.3	49.3	8.7	0	2	5	9	27	61	101	94	54	30	3	1

Paul Castle Associates

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	370	57.5	47.7	9.5	0	0	12	20	31	85	82	64	41	33	2	0
Wed 7 Jun 2023	387	56.8	48.0	8.5	0	0	4	13	46	75	100	79	44	23	2	1
Thu 8 Jun 2023	398	54.3	45.5	8.5	0	1	10	31	55	76	119	60	32	13	1	0
Fri 9 Jun 2023	401	56.2	46.0	9.8	0	0	13	41	51	80	93	52	40	28	3	0
Sat 10 Jun 2023	419	58.2	49.2	8.7	0	0	5	6	36	78	107	107	56	14	5	5
Sun 11 Jun 2023	397	58.7	49.7	8.7	0	1	5	9	39	46	85	126	60	21	2	3
Mon 12 Jun 2023	364	57.0	47.4	9.3	0	2	6	24	38	74	72	82	38	27	1	0
5 Day Ave.	384	56.4	46.9	9.1	0	1	9	26	44	78	93	67	39	25	2	0
7 Day Ave.	391	57.0	47.7	9.0	0	1	8	21	42	73	94	81	44	23	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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	715	56.7	47.5	8.9	0	0	20	37	58	161	167	151	70	47	4	0
Wed 7 Jun 2023	752	56.8	47.7	8.7	0	2	11	31	87	137	197	156	82	44	4	1
Thu 8 Jun 2023	732	55.9	47.2	8.4	0	1	12	40	82	131	212	144	73	32	5	0
Fri 9 Jun 2023	834	57.5	47.7	9.5	0	2	24	48	81	152	205	153	108	52	7	2
Sat 10 Jun 2023	880	59.8	50.6	8.9	0	5	8	7	48	131	232	223	139	70	9	8
Sun 11 Jun 2023	814	60.0	50.4	9.2	1	6	7	11	67	96	181	228	132	74	6	5
Mon 12 Jun 2023	717	57.4	48.3	8.8	0	4	7	31	64	136	169	171	84	47	2	2
5 Day Ave.	750	56.9	47.7	8.9	0	2	15	37	74	143	190	155	83	44	4	1
7 Day Ave.	778	57.7	48.5	8.9	0	3	13	29	70	135	195	175	98	52	5	3

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	487	58.7	49.0	9.3	0	0	12	22	41	78	98	125	62	45	4	0
Wed 7 Jun 2023	493	56.8	48.5	8.0	0	0	4	9	47	110	132	83	77	28	3	0
Thu 8 Jun 2023	509	57.4	49.1	8.0	0	2	2	9	39	105	125	117	76	31	3	0
Fri 9 Jun 2023	643	56.9	47.9	8.7	0	6	7	25	60	126	163	136	81	37	2	0
Sat 10 Jun 2023	461	61.7	51.8	9.5	0	1	6	5	17	58	113	123	74	47	11	6
Sun 11 Jun 2023	419	61.9	52.8	8.8	0	0	1	4	14	58	83	104	91	50	11	3
Mon 12 Jun 2023	453	58.8	50.5	8.1	0	0	4	8	35	60	94	123	92	35	2	0
5 Day Ave.	517	57.7	49.0	8.4	0	2	6	15	44	96	122	117	78	35	3	0
7 Day Ave.	495	58.9	49.9	8.6	0	1	5	12	36	85	115	116	79	39	5	1

Paul Castle Associates

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	426	58.3	47.7	10.3	0	1	19	19	41	86	76	106	48	22	3	5
Wed 7 Jun 2023	470	56.4	47.4	8.7	0	0	16	8	55	83	139	106	41	14	7	1
Thu 8 Jun 2023	415	57.5	48.2	9.0	0	0	7	11	52	91	86	86	50	24	8	0
Fri 9 Jun 2023	533	56.8	48.3	8.2	0	2	5	13	47	130	111	122	72	29	2	0
Sat 10 Jun 2023	320	62.2	51.2	10.6	0	0	3	13	34	38	56	66	58	39	10	3
Sun 11 Jun 2023	364	61.4	50.6	10.4	0	2	7	4	28	58	79	82	57	33	9	5
Mon 12 Jun 2023	419	59.1	49.4	9.3	0	0	7	15	36	73	79	115	58	26	8	2
5 Day Ave.	453	57.6	48.2	9.1	0	1	11	13	46	93	98	107	54	23	6	2
7 Day Ave.	421	58.8	49.0	9.5	0	1	9	12	42	80	89	98	55	27	7	2

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	913	58.5	48.4	9.8	0	1	31	41	82	164	174	231	110	67	7	5
Wed 7 Jun 2023	963	56.7	48.0	8.4	0	0	20	17	102	193	271	189	118	42	10	1
Thu 8 Jun 2023	924	57.5	48.7	8.5	0	2	9	20	91	196	211	203	126	55	11	0
Fri 9 Jun 2023	1176	56.8	48.0	8.5	0	8	12	38	107	256	274	258	153	66	4	0
Sat 10 Jun 2023	781	61.9	51.6	9.9	0	1	9	18	51	96	169	189	132	86	21	9
Sun 11 Jun 2023	783	61.7	51.8	9.6	0	2	8	8	42	116	162	186	148	83	20	8
Mon 12 Jun 2023	872	59.0	50.0	8.7	0	0	11	23	71	133	173	238	150	61	10	2
5 Day Ave.	970	57.7	48.6	8.8	0	2	17	28	91	188	221	224	131	58	8	2
7 Day Ave.	916	58.9	49.5	9.1	0	2	14	24	78	165	205	213	134	66	12	4

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	8	2	1	0
01:00	8	4	2	2	0
02:00	7	5	1	1	0
03:00	4	1	2	1	0
04:00	22	17	3	2	0
05:00	85	66	11	8	0
06:00	153	110	27	12	4
07:00	247	163	56	22	6
08:00	259	199	53	6	1
09:00	175	124	39	8	4
10:00	163	105	36	17	5
11:00	182	125	42	13	2
12:00	184	136	30	15	3
13:00	197	159	24	13	1
14:00	216	161	38	15	2
15:00	271	211	48	11	1
16:00	322	249	56	15	2
17:00	378	323	47	8	0
18:00	212	176	27	8	1
19:00	113	89	19	5	0
20:00	95	85	8	2	0
21:00	57	49	6	2	0
22:00	40	35	4	1	0
23:00	12	11	1	0	0
Total					
12H(7-19)	2806	2131	496	151	28
16H(6-22)	3224	2464	556	172	32
18H(6-24)	3276	2510	561	173	32
24H(0-24)	3413	2611	582	188	32
AM Peak	08:00 259	08:00 199	07:00 56	07:00 22	07:00 6
PM Peak	17:00 378	17:00 323	16:00 56	12:00 15	12:00 3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	6	2	2	1
01:00	9	7	2	0	0
02:00	10	4	5	1	0
03:00	13	11	2	0	0
04:00	32	20	10	2	0
05:00	101	77	21	3	0
06:00	200	143	53	3	1
07:00	361	297	60	4	0
08:00	256	214	37	4	1
09:00	202	147	47	4	4
10:00	182	145	34	0	3
11:00	188	143	42	1	2
12:00	184	139	35	5	5
13:00	183	140	36	5	2
14:00	188	144	37	3	4
15:00	238	183	47	5	3
16:00	284	218	60	4	2
17:00	306	248	54	4	0
18:00	162	130	32	0	0
19:00	109	87	21	1	0
20:00	63	53	10	0	0
21:00	62	54	8	0	0
22:00	33	26	7	0	0
23:00	8	5	3	0	0
Total					
12H(7-19)	2734	2148	521	39	26
16H(6-22)	3168	2485	613	43	27
18H(6-24)	3209	2516	623	43	27
24H(0-24)	3385	2641	665	51	28
AM Peak	07:00 361	07:00 297	07:00 60	07:00 4	09:00 4
PM Peak	17:00 306	17:00 248	16:00 60	12:00 5	12:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	22	14	4	3	1
01:00	17	11	4	2	0
02:00	17	9	6	2	0
03:00	17	12	4	1	0
04:00	54	37	13	4	0
05:00	186	143	32	11	0
06:00	353	253	80	15	5
07:00	608	460	116	26	6
08:00	515	413	90	10	2
09:00	377	271	86	12	8
10:00	345	250	70	17	8
11:00	370	268	84	14	4
12:00	368	275	65	20	8
13:00	380	299	60	18	3
14:00	404	305	75	18	6
15:00	509	394	95	16	4
16:00	606	467	116	19	4
17:00	684	571	101	12	0
18:00	374	306	59	8	1
19:00	222	176	40	6	0
20:00	158	138	18	2	0
21:00	119	103	14	2	0
22:00	73	61	11	1	0
23:00	20	16	4	0	0
Total					
12H(7-19)	5540	4279	1017	190	54
16H(6-22)	6392	4949	1169	215	59
18H(6-24)	6485	5026	1184	216	59
24H(0-24)	6798	5252	1247	239	60
AM Peak	07:00 608	07:00 460	07:00 116	07:00 26	09:00 8
PM Peak	17:00 684	17:00 571	16:00 116	12:00 20	12:00 8

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	5	0	1	0
01:00	10	4	4	2	0
02:00	8	4	2	2	0
03:00	7	5	2	0	0
04:00	20	16	1	3	0
05:00	75	62	7	6	0
06:00	174	115	40	16	3
07:00	245	169	54	21	1
08:00	346	254	80	10	2
09:00	192	128	47	12	5
10:00	191	149	28	10	4
11:00	174	118	40	15	1
12:00	203	154	39	8	2
13:00	225	166	45	11	3
14:00	214	161	42	9	2
15:00	279	210	50	19	0
16:00	347	284	47	16	0
17:00	359	297	56	5	1
18:00	236	204	26	6	0
19:00	170	145	22	3	0
20:00	115	100	10	3	2
21:00	78	67	8	2	1
22:00	39	33	6	0	0
23:00	19	18	1	0	0
Total					
12H(7-19)	3011	2294	554	142	21
16H(6-22)	3548	2721	634	166	27
18H(6-24)	3606	2772	641	166	27
24H(0-24)	3732	2868	657	180	27
AM Peak	08:00 346	08:00 254	08:00 80	07:00 21	09:00 5
PM Peak	17:00 359	17:00 297	17:00 56	15:00 19	13:00 3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	5	2	1	1
01:00	4	4	0	0	0
02:00	8	2	5	1	0
03:00	12	9	1	2	0
04:00	26	16	7	2	1
05:00	111	86	22	2	1
06:00	191	146	45	0	0
07:00	366	296	63	4	3
08:00	300	243	54	2	1
09:00	210	175	30	4	1
10:00	188	140	40	5	3
11:00	199	139	50	6	4
12:00	192	140	45	5	2
13:00	155	113	38	2	2
14:00	218	164	46	5	3
15:00	252	188	53	6	5
16:00	246	178	58	7	3
17:00	308	248	59	0	1
18:00	180	149	30	0	1
19:00	104	95	9	0	0
20:00	76	57	18	1	0
21:00	53	42	10	1	0
22:00	36	29	7	0	0
23:00	19	14	1	3	1
Total					
12H(7-19)	2814	2173	566	46	29
16H(6-22)	3238	2513	648	48	29
18H(6-24)	3293	2556	656	51	30
24H(0-24)	3463	2678	693	59	33
AM Peak	07:00 366	07:00 296	07:00 63	11:00 6	11:00 4
PM Peak	17:00 308	17:00 248	17:00 59	16:00 7	15:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	10	2	2	1
01:00	14	8	4	2	0
02:00	16	6	7	3	0
03:00	19	14	3	2	0
04:00	46	32	8	5	1
05:00	186	148	29	8	1
06:00	365	261	85	16	3
07:00	611	465	117	25	4
08:00	646	497	134	12	3
09:00	402	303	77	16	6
10:00	379	289	68	15	7
11:00	373	257	90	21	5
12:00	395	294	84	13	4
13:00	380	279	83	13	5
14:00	432	325	88	14	5
15:00	531	398	103	25	5
16:00	593	462	105	23	3
17:00	667	545	115	5	2
18:00	416	353	56	6	1
19:00	274	240	31	3	0
20:00	191	157	28	4	2
21:00	131	109	18	3	1
22:00	75	62	13	0	0
23:00	38	32	2	3	1
Total					
12H(7-19)	5825	4467	1120	188	50
16H(6-22)	6786	5234	1282	214	56
18H(6-24)	6899	5328	1297	217	57
24H(0-24)	7195	5546	1350	239	60
AM Peak	08:00 646	08:00 497	08:00 134	07:00 25	10:00 7
PM Peak	17:00 667	17:00 545	17:00 115	15:00 25	13:00 5

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	6	2	1	3	0
02:00	8	4	2	2	0
03:00	7	4	2	0	1
04:00	24	14	6	3	1
05:00	85	70	11	4	0
06:00	171	115	38	16	2
07:00	265	172	73	18	2
08:00	254	184	50	15	5
09:00	174	125	32	16	1
10:00	166	128	28	9	1
11:00	168	124	33	9	2
12:00	172	124	32	14	2
13:00	216	159	38	17	2
14:00	228	168	43	17	0
15:00	281	226	41	13	1
16:00	365	297	50	18	0
17:00	358	291	53	13	1
18:00	232	192	34	6	0
19:00	166	137	23	6	0
20:00	94	80	13	1	0
21:00	88	78	5	4	1
22:00	46	43	2	1	0
23:00	28	24	1	3	0
Total					
12H(7-19)	2879	2190	507	165	17
16H(6-22)	3398	2600	586	192	20
18H(6-24)	3472	2667	589	196	20
24H(0-24)	3609	2768	611	208	22
AM Peak	07:00 265	08:00 184	07:00 73	07:00 18	08:00 5
PM Peak	16:00 365	16:00 297	17:00 53	16:00 18	12:00 2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	5	2	0	0
01:00	3	2	1	0	0
02:00	7	4	3	0	0
03:00	15	8	4	3	0
04:00	43	35	7	1	0
05:00	120	99	18	2	1
06:00	193	140	49	3	1
07:00	334	279	50	5	0
08:00	283	232	45	5	1
09:00	209	165	40	1	3
10:00	195	147	41	6	1
11:00	203	160	37	2	4
12:00	156	107	43	5	1
13:00	196	141	41	12	2
14:00	199	146	44	6	3
15:00	216	158	53	3	2
16:00	290	234	51	4	1
17:00	270	211	50	8	1
18:00	190	153	36	0	1
19:00	103	74	26	3	0
20:00	79	70	8	0	1
21:00	59	48	10	0	1
22:00	39	36	2	1	0
23:00	13	11	1	1	0
Total					
12H(7-19)	2741	2133	531	57	20
16H(6-22)	3175	2465	624	63	23
18H(6-24)	3227	2512	627	65	23
24H(0-24)	3422	2665	662	71	24
AM Peak	07:00 334	07:00 279	07:00 50	10:00 6	11:00 4
PM Peak	16:00 290	16:00 234	15:00 53	13:00 12	14:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	12	2	0	0
01:00	9	4	2	3	0
02:00	15	8	5	2	0
03:00	22	12	6	3	1
04:00	67	49	13	4	1
05:00	205	169	29	6	1
06:00	364	255	87	19	3
07:00	599	451	123	23	2
08:00	537	416	95	20	6
09:00	383	290	72	17	4
10:00	361	275	69	15	2
11:00	371	284	70	11	6
12:00	328	231	75	19	3
13:00	412	300	79	29	4
14:00	427	314	87	23	3
15:00	497	384	94	16	3
16:00	655	531	101	22	1
17:00	628	502	103	21	2
18:00	422	345	70	6	1
19:00	269	211	49	9	0
20:00	173	150	21	1	1
21:00	147	126	15	4	2
22:00	85	79	4	2	0
23:00	41	35	2	4	0
Total					
12H(7-19)	5620	4323	1038	222	37
16H(6-22)	6573	5065	1210	255	43
18H(6-24)	6699	5179	1216	261	43
24H(0-24)	7031	5433	1273	279	46
AM Peak	07:00 599	07:00 451	07:00 123	07:00 23	08:00 6
PM Peak	16:00 655	16:00 531	17:00 103	13:00 29	13:00 4

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

09/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	9	1	0	0
01:00	11	6	3	2	0
02:00	7	6	0	1	0
03:00	7	4	2	1	0
04:00	17	13	4	0	0
05:00	79	59	13	7	0
06:00	139	85	39	12	3
07:00	223	157	54	11	1
08:00	232	177	46	8	1
09:00	176	129	38	7	2
10:00	223	170	36	12	5
11:00	210	162	30	14	4
12:00	227	158	44	23	2
13:00	276	216	37	22	1
14:00	304	228	56	19	1
15:00	339	273	51	11	4
16:00	319	249	50	18	2
17:00	354	295	46	13	0
18:00	233	200	28	4	1
19:00	156	130	21	5	0
20:00	103	93	8	1	1
21:00	82	73	6	3	0
22:00	48	40	7	1	0
23:00	22	21	0	1	0
Total					
12H(7-19)	3116	2414	516	162	24
16H(6-22)	3596	2795	590	183	28
18H(6-24)	3666	2856	597	185	28
24H(0-24)	3797	2953	620	196	28
AM Peak	08:00 232	08:00 177	07:00 54	11:00 14	10:00 5
PM Peak	17:00 354	17:00 295	14:00 56	12:00 23	15:00 4

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	10	2	0	0
01:00	5	2	3	0	0
02:00	9	5	3	1	0
03:00	19	15	3	1	0
04:00	26	15	7	4	0
05:00	95	83	9	3	0
06:00	170	127	40	1	2
07:00	298	243	45	7	3
08:00	240	192	41	4	3
09:00	200	147	50	3	0
10:00	197	142	45	7	3
11:00	204	145	46	10	3
12:00	237	184	44	7	2
13:00	226	174	48	2	2
14:00	220	154	59	5	2
15:00	313	236	65	6	6
16:00	256	201	49	4	2
17:00	217	178	37	2	0
18:00	171	146	24	1	0
19:00	111	92	18	1	0
20:00	84	73	11	0	0
21:00	56	43	11	2	0
22:00	32	23	9	0	0
23:00	21	19	1	1	0
Total					
12H(7-19)	2779	2142	553	58	26
16H(6-22)	3200	2477	633	62	28
18H(6-24)	3253	2519	643	63	28
24H(0-24)	3419	2649	670	72	28
AM Peak	07:00 298	07:00 243	09:00 50	11:00 10	07:00 3
PM Peak	15:00 313	15:00 236	15:00 65	12:00 7	15:00 6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	22	19	3	0	0
01:00	16	8	6	2	0
02:00	16	11	3	2	0
03:00	26	19	5	2	0
04:00	43	28	11	4	0
05:00	174	142	22	10	0
06:00	309	212	79	13	5
07:00	521	400	99	18	4
08:00	472	369	87	12	4
09:00	376	276	88	10	2
10:00	420	312	81	19	8
11:00	414	307	76	24	7
12:00	464	342	88	30	4
13:00	502	390	85	24	3
14:00	524	382	115	24	3
15:00	652	509	116	17	10
16:00	575	450	99	22	4
17:00	571	473	83	15	0
18:00	404	346	52	5	1
19:00	267	222	39	6	0
20:00	187	166	19	1	1
21:00	138	116	17	5	0
22:00	80	63	16	1	0
23:00	43	40	1	2	0
Total					
12H(7-19)	5895	4556	1069	220	50
16H(6-22)	6796	5272	1223	245	56
18H(6-24)	6919	5375	1240	248	56
24H(0-24)	7216	5602	1290	268	56
AM Peak	07:00 521	07:00 400	07:00 99	11:00 24	10:00 8
PM Peak	15:00 652	15:00 509	15:00 116	12:00 30	15:00 10

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	22	21	0	1	0
01:00	10	5	3	2	0
02:00	5	4	1	0	0
03:00	3	2	1	0	0
04:00	6	5	1	0	0
05:00	26	22	4	0	0
06:00	64	42	19	2	1
07:00	87	57	30	0	0
08:00	103	74	25	3	1
09:00	182	150	29	3	0
10:00	243	201	39	2	1
11:00	218	196	20	2	0
12:00	228	199	27	2	0
13:00	211	195	16	0	0
14:00	251	227	22	1	1
15:00	210	182	27	0	1
16:00	181	155	25	1	0
17:00	160	139	20	0	1
18:00	118	111	7	0	0
19:00	120	106	13	0	1
20:00	73	68	5	0	0
21:00	59	56	2	0	1
22:00	48	40	8	0	0
23:00	24	24	0	0	0
Total					
12H(7-19)	2192	1886	287	14	5
16H(6-22)	2508	2158	326	16	8
18H(6-24)	2580	2222	334	16	8
24H(0-24)	2652	2281	344	19	8
AM Peak	10:00 243	10:00 201	10:00 39	08:00 3	06:00 1
PM Peak	14:00 251	14:00 227	12:00 27	12:00 2	14:00 1

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	14	1	1	0
01:00	6	3	3	0	0
02:00	2	2	0	0	0
03:00	5	5	0	0	0
04:00	11	9	2	0	0
05:00	41	29	11	0	1
06:00	49	33	15	1	0
07:00	92	74	17	0	1
08:00	146	112	33	1	0
09:00	179	142	37	0	0
10:00	212	179	32	0	1
11:00	207	181	22	3	1
12:00	210	183	26	0	1
13:00	212	179	31	1	1
14:00	170	142	27	0	1
15:00	150	129	17	2	2
16:00	135	122	12	0	1
17:00	143	119	23	1	0
18:00	95	81	13	1	0
19:00	113	95	18	0	0
20:00	70	67	2	0	1
21:00	41	33	8	0	0
22:00	38	34	3	0	1
23:00	32	28	4	0	0
Total					
12H(7-19)	1951	1643	290	9	9
16H(6-22)	2224	1871	333	10	10
18H(6-24)	2294	1933	340	10	11
24H(0-24)	2375	1995	357	11	12
AM Peak	10:00 212	11:00 181	09:00 37	11:00 3	05:00 1
PM Peak	13:00 212	12:00 183	13:00 31	15:00 2	15:00 2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	38	35	1	2	0
01:00	16	8	6	2	0
02:00	7	6	1	0	0
03:00	8	7	1	0	0
04:00	17	14	3	0	0
05:00	67	51	15	0	1
06:00	113	75	34	3	1
07:00	179	131	47	0	1
08:00	249	186	58	4	1
09:00	361	292	66	3	0
10:00	455	380	71	2	2
11:00	425	377	42	5	1
12:00	438	382	53	2	1
13:00	423	374	47	1	1
14:00	421	369	49	1	2
15:00	360	311	44	2	3
16:00	316	277	37	1	1
17:00	303	258	43	1	1
18:00	213	192	20	1	0
19:00	233	201	31	0	1
20:00	143	135	7	0	1
21:00	100	89	10	0	1
22:00	86	74	11	0	1
23:00	56	52	4	0	0
Total					
12H(7-19)	4143	3529	577	23	14
16H(6-22)	4732	4029	659	26	18
18H(6-24)	4874	4155	674	26	19
24H(0-24)	5027	4276	701	30	20
AM Peak	10:00 455	10:00 380	10:00 71	11:00 5	10:00 2
PM Peak	12:00 438	12:00 382	12:00 53	12:00 2	15:00 3

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	30	26	3	0	1
01:00	15	14	1	0	0
02:00	7	7	0	0	0
03:00	6	6	0	0	0
04:00	8	5	2	1	0
05:00	31	29	2	0	0
06:00	28	22	6	0	0
07:00	60	52	7	1	0
08:00	100	85	15	0	0
09:00	131	116	15	0	0
10:00	167	151	15	0	1
11:00	250	232	17	1	0
12:00	230	209	19	1	1
13:00	193	179	13	1	0
14:00	205	189	15	1	0
15:00	214	190	22	2	0
16:00	199	182	16	1	0
17:00	150	133	14	2	1
18:00	131	116	14	0	1
19:00	106	89	16	1	0
20:00	89	75	14	0	0
21:00	54	44	9	0	1
22:00	29	28	1	0	0
23:00	16	12	3	1	0
Total					
12H(7-19)	2030	1834	182	10	4
16H(6-22)	2307	2064	227	11	5
18H(6-24)	2352	2104	231	12	5
24H(0-24)	2449	2191	239	13	6
AM Peak	11:00 250	11:00 232	11:00 17	04:00 1	00:00 1
PM Peak	12:00 230	12:00 209	15:00 22	15:00 2	12:00 1

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	20	14	6	0	0
01:00	8	7	0	0	1
02:00	6	6	0	0	0
03:00	7	3	4	0	0
04:00	16	13	3	0	0
05:00	23	20	3	0	0
06:00	37	27	8	2	0
07:00	83	65	16	2	0
08:00	83	69	14	0	0
09:00	147	124	22	1	0
10:00	209	183	25	1	0
11:00	188	159	25	1	3
12:00	235	201	31	0	3
13:00	210	179	30	1	0
14:00	200	176	19	5	0
15:00	164	138	23	3	0
16:00	196	159	34	3	0
17:00	208	178	29	0	1
18:00	142	119	22	1	0
19:00	121	105	13	1	2
20:00	55	43	11	0	1
21:00	38	32	5	0	1
22:00	31	27	4	0	0
23:00	9	8	1	0	0
Total					
12H(7-19)	2065	1750	290	18	7
16H(6-22)	2316	1957	327	21	11
18H(6-24)	2356	1992	332	21	11
24H(0-24)	2436	2055	348	21	12
AM Peak	10:00 209	10:00 183	10:00 25	06:00 2	11:00 3
PM Peak	12:00 235	12:00 201	16:00 34	14:00 5	12:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	50	40	9	0	1
01:00	23	21	1	0	1
02:00	13	13	0	0	0
03:00	13	9	4	0	0
04:00	24	18	5	1	0
05:00	54	49	5	0	0
06:00	65	49	14	2	0
07:00	143	117	23	3	0
08:00	183	154	29	0	0
09:00	278	240	37	1	0
10:00	376	334	40	1	1
11:00	438	391	42	2	3
12:00	465	410	50	1	4
13:00	403	358	43	2	0
14:00	405	365	34	6	0
15:00	378	328	45	5	0
16:00	395	341	50	4	0
17:00	358	311	43	2	2
18:00	273	235	36	1	1
19:00	227	194	29	2	2
20:00	144	118	25	0	1
21:00	92	76	14	0	2
22:00	60	55	5	0	0
23:00	25	20	4	1	0
Total					
12H(7-19)	4095	3584	472	28	11
16H(6-22)	4623	4021	554	32	16
18H(6-24)	4708	4096	563	33	16
24H(0-24)	4885	4246	587	34	18
AM Peak	11:00 438	11:00 391	11:00 42	07:00 3	11:00 3
PM Peak	12:00 465	12:00 410	12:00 50	14:00 6	12:00 4

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	10	0	0	0
01:00	11	11	0	0	0
02:00	10	8	1	1	0
03:00	5	4	1	0	0
04:00	28	23	4	0	1
05:00	90	73	14	3	0
06:00	167	112	47	6	2
07:00	215	154	44	15	2
08:00	245	178	56	8	3
09:00	191	131	45	12	3
10:00	179	117	45	14	3
11:00	174	131	27	13	3
12:00	203	152	38	13	0
13:00	215	161	43	9	2
14:00	206	158	40	8	0
15:00	247	179	58	9	1
16:00	311	243	60	7	1
17:00	364	307	41	15	1
18:00	328	288	35	4	1
19:00	201	171	23	6	1
20:00	134	119	14	1	0
21:00	103	90	10	3	0
22:00	61	50	10	1	0
23:00	30	25	5	0	0
Total					
12H(7-19)	2878	2199	532	127	20
16H(6-22)	3483	2691	626	143	23
18H(6-24)	3574	2766	641	144	23
24H(0-24)	3728	2895	661	148	24
AM Peak	08:00 245	08:00 178	08:00 56	07:00 15	08:00 3
PM Peak	17:00 364	17:00 307	16:00 60	17:00 15	13:00 2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	4	2	0	0
01:00	6	5	1	0	0
02:00	5	2	2	1	0
03:00	18	12	5	0	1
04:00	37	26	6	5	0
05:00	176	137	31	7	1
06:00	197	145	44	7	1
07:00	325	247	61	14	3
08:00	218	160	50	8	0
09:00	170	115	46	7	2
10:00	180	122	43	11	4
11:00	184	126	47	8	3
12:00	186	110	62	9	5
13:00	177	123	43	8	3
14:00	208	139	55	14	0
15:00	211	155	45	7	4
16:00	253	176	61	10	6
17:00	272	218	46	6	2
18:00	157	120	30	4	3
19:00	117	92	23	1	1
20:00	92	76	14	1	1
21:00	70	59	9	1	1
22:00	34	29	5	0	0
23:00	19	16	1	2	0
Total					
12H(7-19)	2541	1811	589	106	35
16H(6-22)	3017	2183	679	116	39
18H(6-24)	3070	2228	685	118	39
24H(0-24)	3318	2414	732	131	41
AM Peak	07:00 325	07:00 247	07:00 61	07:00 14	10:00 4
PM Peak	17:00 272	17:00 218	12:00 62	14:00 14	16:00 6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	14	2	0	0
01:00	17	16	1	0	0
02:00	15	10	3	2	0
03:00	23	16	6	0	1
04:00	65	49	10	5	1
05:00	266	210	45	10	1
06:00	364	257	91	13	3
07:00	540	401	105	29	5
08:00	463	338	106	16	3
09:00	361	246	91	19	5
10:00	359	239	88	25	7
11:00	358	257	74	21	6
12:00	389	262	100	22	5
13:00	392	284	86	17	5
14:00	414	297	95	22	0
15:00	458	334	103	16	5
16:00	564	419	121	17	7
17:00	636	525	87	21	3
18:00	485	408	65	8	4
19:00	318	263	46	7	2
20:00	226	195	28	2	1
21:00	173	149	19	4	1
22:00	95	79	15	1	0
23:00	49	41	6	2	0
Total					
12H(7-19)	5419	4010	1121	233	55
16H(6-22)	6500	4874	1305	259	62
18H(6-24)	6644	4994	1326	262	62
24H(0-24)	7046	5309	1393	279	65
AM Peak	07:00 540	07:00 401	08:00 106	07:00 29	10:00 7
PM Peak	17:00 636	17:00 525	16:00 121	12:00 22	16:00 7

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	11	66.1	54.3	11.4	0	0	0	1	1	0	1	2	2	4	0	0
01:00	8	58.3	49.1	9.0	0	0	0	0	1	2	2	1	1	1	0	0
02:00	7	66.7	53.2	13.0	0	0	0	0	1	1	1	2	0	1	1	0
03:00	4	62.5	50.6	11.4	0	0	0	0	1	0	1	1	0	1	0	0
04:00	22	64.8	56.5	8.0	0	0	0	0	0	1	3	8	3	6	1	0
05:00	85	66.0	57.1	8.6	0	0	0	0	0	3	13	23	24	14	7	1
06:00	153	62.7	52.8	9.6	0	0	1	4	12	13	26	29	39	25	4	0
07:00	247	59.1	50.4	8.4	0	0	1	3	15	42	65	64	30	21	6	0
08:00	259	57.0	48.8	7.9	0	0	3	4	26	49	55	77	30	13	2	0
09:00	175	58.8	50.1	8.4	0	0	2	0	9	33	53	38	24	12	3	1
10:00	163	55.5	46.4	8.8	0	0	7	13	11	36	34	40	17	5	0	0
11:00	182	56.1	48.2	7.6	0	0	1	4	16	40	51	47	12	9	2	0
12:00	184	55.9	48.5	7.1	0	0	3	5	8	37	48	53	26	4	0	0
13:00	197	57.7	48.7	8.6	0	0	2	4	28	27	51	43	29	11	1	1
14:00	216	59.2	48.6	10.2	0	0	10	11	18	33	44	47	26	26	1	0
15:00	271	58.2	49.3	8.5	0	0	2	11	23	45	54	78	36	19	3	0
16:00	322	56.7	48.3	8.1	0	0	3	13	31	56	93	66	37	23	0	0
17:00	378	58.8	49.9	8.5	0	1	4	7	21	63	99	102	44	33	2	2
18:00	212	59.3	49.9	9.0	0	2	0	8	11	32	55	54	27	21	1	1
19:00	113	61.3	52.1	8.9	0	0	2	2	4	9	28	29	24	12	3	0
20:00	95	62.5	52.6	9.5	0	0	1	1	4	19	11	20	19	18	2	0
21:00	57	61.3	49.4	11.5	0	0	1	3	10	7	14	4	6	10	2	0
22:00	40	61.3	51.8	9.2	0	0	0	1	1	8	9	9	4	7	1	0
23:00	12	63.8	51.7	11.7	0	0	0	1	1	2	2	1	1	4	0	0
Total																
2H(10-12)	345	55.9	47.3	8.2	0	0	8	17	27	76	85	87	29	14	2	0
2H(14-16)	487	58.7	49.0	9.3	0	0	12	22	41	78	98	125	62	45	4	0
12H(7-19)	2806	57.9	49.0	8.5	0	3	38	83	217	493	702	709	338	197	21	5
24H(0-24)	3413	58.9	49.7	8.9	0	3	43	96	253	558	813	838	461	300	42	6
AM Peak	08:00	02:00	05:00	02:00	00:00	00:00	10:00	10:00	08:00	08:00	07:00	08:00	06:00	06:00	05:00	05:00
	259	66.7	57.1	13.0	0	0	7	13	26	49	65	77	39	25	7	1
PM Peak	17:00	23:00	20:00	23:00	12:00	18:00	14:00	16:00	16:00	17:00	17:00	17:00	17:00	17:00	15:00	17:00
	378	63.8	52.6	11.7	0	2	10	13	31	63	99	102	44	33	3	2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	11	60.1	52.7	7.1	0	0	0	0	1	0	2	4	3	1	0	0
01:00	9	57.6	50.6	6.8	0	0	0	0	0	2	2	4	0	1	0	0
02:00	10	67.4	54.5	12.4	0	0	1	0	0	1	0	1	4	3	0	0
03:00	13	61.0	48.5	12.1	0	0	1	0	3	1	2	1	3	2	0	0
04:00	32	68.0	54.2	13.3	0	0	2	1	3	2	2	3	7	10	2	0
05:00	101	62.0	49.8	11.8	0	0	4	3	14	18	11	21	13	12	4	1
06:00	200	64.9	52.8	11.6	0	0	4	6	25	15	24	32	51	31	9	3
07:00	361	59.8	50.3	9.2	0	0	9	15	32	29	65	95	85	29	2	0
08:00	256	58.6	49.5	8.8	0	0	2	4	19	63	55	54	31	23	5	0
09:00	202	57.2	47.5	9.4	0	0	2	15	29	36	43	36	26	12	3	0
10:00	182	56.9	47.0	9.5	0	0	6	11	14	52	40	29	10	19	1	0
11:00	188	58.0	48.3	9.4	0	0	6	9	17	33	42	35	31	14	1	0
12:00	184	55.2	46.6	8.3	0	0	1	11	30	42	37	35	20	7	1	0
13:00	183	57.0	48.3	8.4	0	0	2	3	21	40	43	44	16	13	0	1
14:00	188	59.1	48.3	10.5	0	1	1	11	22	40	35	48	11	13	2	4
15:00	238	57.7	47.2	10.1	0	0	18	8	19	46	41	58	37	9	1	1
16:00	284	57.6	47.2	10.0	0	1	14	11	30	55	63	59	30	17	3	1
17:00	306	56.5	47.3	8.9	0	4	1	9	40	64	79	58	36	12	2	1
18:00	162	61.4	51.5	9.6	0	0	0	7	22	10	21	40	40	20	1	1
19:00	109	62.5	51.8	10.3	0	0	3	4	9	10	17	17	29	19	1	0
20:00	63	63.9	54.6	8.9	0	0	0	2	3	2	9	15	18	12	2	0
21:00	62	60.3	50.9	9.1	0	0	0	2	6	8	10	19	8	8	1	0
22:00	33	65.0	56.1	8.5	0	0	0	0	2	2	3	7	7	12	0	0
23:00	8	73.0	65.0	7.7	0	0	0	0	0	0	0	1	1	4	2	0
Total																
2H(10-12)	370	57.5	47.7	9.5	0	0	12	20	31	85	82	64	41	33	2	0
2H(14-16)	426	58.3	47.7	10.3	0	1	19	19	41	86	76	106	48	22	3	5
12H(7-19)	2734	58.0	48.3	9.4	0	6	62	114	295	510	564	591	373	188	22	9
24H(0-24)	3385	59.3	49.1	9.9	0	6	77	132	361	571	646	716	517	303	43	13
AM Peak	07:00	04:00	02:00	04:00	00:00	00:00	07:00	07:00	07:00	08:00	07:00	07:00	07:00	06:00	06:00	06:00
	361	68.0	54.5	13.3	0	0	9	15	32	63	65	95	85	31	9	3
PM Peak	17:00	23:00	23:00	14:00	12:00	17:00	15:00	12:00	17:00	17:00	17:00	16:00	18:00	18:00	16:00	14:00
	306	73.0	65.0	10.5	0	4	18	11	40	64	79	59	40	20	3	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<70	Bin 11 70<80	Bin 12 >=80
00:00	22	63.1	53.5	9.3	0	0	0	1	2	0	3	6	5	5	0	0
01:00	17	57.8	49.9	7.7	0	0	0	0	1	4	4	5	1	2	0	0
02:00	17	66.7	54.0	12.2	0	0	1	0	1	2	1	3	4	4	1	0
03:00	17	61.0	49.0	11.6	0	0	1	0	4	1	3	2	3	3	0	0
04:00	54	67.0	55.1	11.4	0	0	2	1	3	3	5	11	10	16	3	0
05:00	186	64.6	53.1	11.1	0	0	4	3	14	21	24	44	37	26	11	2
06:00	353	64.0	52.8	10.8	0	0	5	10	37	28	50	61	90	56	13	3
07:00	608	59.5	50.3	8.9	0	0	10	18	47	71	130	159	115	50	8	0
08:00	515	57.8	49.1	8.4	0	0	5	8	45	112	110	131	61	36	7	0
09:00	377	58.0	48.7	9.0	0	0	4	15	38	69	96	74	50	24	6	1
10:00	345	56.2	46.7	9.2	0	0	13	24	25	88	74	69	27	24	1	0
11:00	370	57.1	48.3	8.6	0	0	7	13	33	73	93	82	43	23	3	0
12:00	368	55.6	47.5	7.8	0	0	4	16	38	79	85	88	46	11	1	0
13:00	380	57.3	48.5	8.5	0	0	4	7	49	67	94	87	45	24	1	2
14:00	404	59.2	48.5	10.3	0	1	11	22	40	73	79	95	37	39	3	4
15:00	509	58.0	48.4	9.3	0	0	20	19	42	91	95	136	73	28	4	1
16:00	606	57.2	47.8	9.1	0	1	17	24	61	111	156	125	67	40	3	1
17:00	684	57.8	48.7	8.8	0	5	5	16	61	127	178	160	80	45	4	3
18:00	374	60.2	50.6	9.3	0	2	0	15	33	42	76	94	67	41	2	2
19:00	222	61.9	51.9	9.6	0	0	5	6	13	19	45	46	53	31	4	0
20:00	158	63.1	53.4	9.3	0	0	1	3	7	21	20	35	37	30	4	0
21:00	119	60.9	50.2	10.3	0	0	1	5	16	15	24	23	14	18	3	0
22:00	73	63.2	53.7	9.1	0	0	0	1	3	10	12	16	11	19	1	0
23:00	20	69.5	57.0	12.1	0	0	0	1	1	2	2	2	2	8	2	0
Total																
2H(10-12)	715	56.7	47.5	8.9	0	0	20	37	58	161	167	151	70	47	4	0
2H(14-16)	913	58.5	48.4	9.8	0	1	31	41	82	164	174	231	110	67	7	5
12H(7-19)	5540	58.0	48.7	9.0	0	9	100	197	512	1003	1266	1300	711	385	43	14
24H(0-24)	6798	59.1	49.4	9.4	0	9	120	228	614	1129	1459	1554	978	603	85	19
AM Peak	07:00	04:00	04:00	02:00	00:00	00:00	10:00	10:00	07:00	08:00	07:00	07:00	07:00	06:00	06:00	06:00
	608	67.0	55.1	12.2	0	0	13	24	47	112	130	159	115	56	13	3
PM Peak	17:00	23:00	23:00	23:00	12:00	17:00	15:00	16:00	16:00	17:00	17:00	17:00	17:00	17:00	15:00	14:00
	684	69.5	57.0	12.1	0	5	20	24	61	127	178	160	80	45	4	4

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	6	66.5	55.4	10.7	0	0	0	0	0	1	2	0	0	3	0	0
01:00	10	67.2	54.8	12.0	0	0	0	0	2	0	1	2	2	2	1	0
02:00	8	64.3	56.9	7.2	0	0	0	0	0	1	0	1	4	2	0	0
03:00	7	69.2	55.0	13.7	0	0	0	0	1	1	1	1	0	2	1	0
04:00	20	69.7	57.0	12.3	0	0	0	1	0	2	1	6	4	3	2	1
05:00	75	65.0	56.3	8.4	0	0	0	0	0	4	14	21	14	17	5	0
06:00	174	60.7	52.6	7.8	0	0	0	1	2	29	40	36	39	25	2	0
07:00	245	57.0	48.7	8.0	0	0	1	4	24	59	53	55	34	12	3	0
08:00	346	56.7	45.2	11.1	0	4	38	18	33	57	62	78	43	9	4	0
09:00	192	57.4	49.0	8.1	0	0	0	5	20	38	45	39	33	10	2	0
10:00	191	56.1	45.9	9.8	0	2	6	14	28	31	47	37	15	9	2	0
11:00	174	57.0	49.1	7.6	0	0	1	4	13	31	50	40	23	12	0	0
12:00	203	59.7	50.7	8.7	0	0	2	2	13	37	42	52	29	23	3	0
13:00	225	59.2	49.7	9.2	0	1	1	9	17	33	57	57	27	17	6	0
14:00	214	56.2	48.5	7.5	0	0	2	5	14	49	57	46	33	7	1	0
15:00	279	57.3	48.6	8.4	0	0	2	4	33	61	75	37	44	21	2	0
16:00	347	57.9	48.8	8.8	0	1	6	14	24	58	92	72	58	19	2	1
17:00	359	58.0	48.2	9.5	0	5	10	9	24	63	100	77	42	27	2	0
18:00	236	61.3	51.4	9.6	0	0	3	5	13	40	43	50	52	23	5	2
19:00	170	62.1	52.1	9.6	0	0	1	3	4	32	36	37	29	21	5	2
20:00	115	63.2	52.1	10.8	0	0	3	2	11	8	26	18	25	19	1	2
21:00	78	58.4	50.7	7.4	0	0	0	0	3	18	15	21	15	5	1	0
22:00	39	63.4	53.5	9.6	0	0	0	1	1	5	7	11	5	7	2	0
23:00	19	63.9	53.4	10.1	0	0	0	0	1	3	3	5	4	1	2	0
Total																
2H(10-12)	365	56.7	47.4	8.9	0	2	7	18	41	62	97	77	38	21	2	0
2H(14-16)	493	56.8	48.5	8.0	0	0	4	9	47	110	132	83	77	28	3	0
12H(7-19)	3011	58.0	48.5	9.2	0	13	72	93	256	557	723	640	433	189	32	3
24H(0-24)	3732	59.1	49.4	9.4	0	13	76	101	281	661	869	799	574	296	54	8
AM Peak	08:00	04:00	04:00	03:00	00:00	08:00	08:00	08:00	08:00	07:00	08:00	08:00	08:00	06:00	05:00	04:00
	346	69.7	57.0	13.7	0	4	38	18	33	59	62	78	43	25	5	1
PM Peak	17:00	23:00	22:00	20:00	12:00	17:00	17:00	16:00	15:00	17:00	17:00	17:00	16:00	17:00	13:00	18:00
	359	63.9	53.5	10.8	0	5	10	14	33	63	100	77	58	27	6	2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	9	62.8	52.8	9.7	0	0	0	1	0	1	0	2	4	1	0	0
01:00	4	66.3	60.0	6.1	0	0	0	0	0	0	0	1	1	2	0	0
02:00	8	63.1	58.1	4.8	0	0	0	0	0	0	0	2	4	2	0	0
03:00	12	72.7	59.0	13.3	0	0	0	0	1	2	0	1	1	6	0	1
04:00	26	68.2	52.0	15.7	0	0	2	1	3	3	4	2	4	3	3	1
05:00	111	65.1	53.2	11.4	0	0	2	5	5	15	14	20	23	21	4	2
06:00	191	60.4	48.9	11.1	0	0	12	6	23	32	21	32	37	28	0	0
07:00	366	56.0	47.5	8.2	0	0	5	15	38	87	79	81	46	13	1	1
08:00	300	55.8	47.0	8.6	0	1	5	17	27	76	71	52	36	14	1	0
09:00	210	57.0	46.0	10.6	0	1	12	21	22	32	52	36	17	14	3	0
10:00	188	55.5	46.6	8.5	0	0	4	5	32	41	41	44	11	9	0	1
11:00	199	57.9	49.4	8.2	0	0	0	8	14	34	59	35	33	14	2	0
12:00	192	56.6	48.2	8.1	0	0	3	8	15	36	54	39	26	11	0	0
13:00	155	57.9	48.1	9.5	0	1	1	7	13	32	45	34	8	11	1	2
14:00	218	56.0	47.8	7.9	0	0	3	6	20	36	81	48	14	5	5	0
15:00	252	56.7	47.1	9.3	0	0	13	2	35	47	58	58	27	9	2	1
16:00	246	58.0	48.8	8.9	0	0	6	8	29	38	36	77	34	17	1	0
17:00	308	58.0	49.0	8.7	0	1	2	4	34	63	62	78	41	20	1	2
18:00	180	62.6	53.1	9.2	0	0	1	1	12	17	35	39	42	29	2	2
19:00	104	63.0	52.2	10.4	0	0	1	2	10	14	21	12	21	19	4	0
20:00	76	59.6	49.7	9.6	0	0	0	1	11	8	24	18	7	3	3	1
21:00	53	64.6	53.5	10.8	0	0	0	2	5	3	11	10	7	12	3	0
22:00	36	67.4	53.4	13.5	0	0	0	2	8	2	1	6	6	6	5	0
23:00	19	61.7	52.0	9.3	0	0	0	0	3	2	1	7	2	4	0	0
Total																
2H(10-12)	387	56.8	48.0	8.5	0	0	4	13	46	75	100	79	44	23	2	1
2H(14-16)	470	56.4	47.4	8.7	0	0	16	8	55	83	139	106	41	14	7	1
12H(7-19)	2814	57.3	48.1	8.9	0	4	55	102	291	539	673	621	335	166	19	9
24H(0-24)	3463	58.6	48.8	9.5	0	4	72	122	360	621	770	734	452	273	41	14
AM Peak	07:00 366	03:00 72.7	01:00 60.0	04:00 15.7	00:00 0	08:00 1	06:00 12	09:00 21	07:00 38	07:00 87	07:00 79	07:00 81	07:00 46	06:00 28	05:00 4	05:00 2
PM Peak	17:00 308	22:00 67.4	21:00 53.5	22:00 13.5	12:00 0	13:00 1	15:00 13	12:00 8	15:00 35	17:00 63	14:00 81	17:00 78	18:00 42	18:00 29	14:00 5	13:00 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<70	Bin 11 70<80	Bin 12 ≥80
00:00	15	64.0	53.8	9.8	0	0	0	1	0	2	2	2	4	4	0	0
01:00	14	67.3	56.3	10.7	0	0	0	0	2	0	1	3	3	4	1	0
02:00	16	63.6	57.5	5.9	0	0	0	0	0	1	0	3	8	4	0	0
03:00	19	71.2	57.5	13.2	0	0	0	0	2	3	1	2	1	8	1	1
04:00	46	69.1	54.2	14.3	0	0	2	2	3	5	5	8	8	6	5	2
05:00	186	65.3	54.5	10.4	0	0	2	5	5	19	28	41	37	38	9	2
06:00	365	60.8	50.7	9.8	0	0	12	7	25	61	61	68	76	53	2	0
07:00	611	56.4	48.0	8.1	0	0	6	19	62	146	132	136	80	25	4	1
08:00	646	56.4	46.0	10.0	0	5	43	35	60	133	133	130	79	23	5	0
09:00	402	57.4	47.4	9.6	0	1	12	26	42	70	97	75	50	24	5	0
10:00	379	55.8	46.3	9.2	0	2	10	19	60	72	88	81	26	18	2	1
11:00	373	57.4	49.2	7.9	0	0	1	12	27	65	109	75	56	26	2	0
12:00	395	58.3	49.5	8.5	0	0	5	10	28	73	96	91	55	34	3	0
13:00	380	58.7	49.0	9.3	0	2	2	16	30	65	102	91	35	28	7	2
14:00	432	56.1	48.1	7.7	0	0	5	11	34	85	138	94	47	12	6	0
15:00	531	57.1	47.9	8.8	0	0	15	6	68	108	133	95	71	30	4	1
16:00	593	58.0	48.8	8.9	0	1	12	22	53	96	128	149	92	36	3	1
17:00	667	58.0	48.6	9.1	0	6	12	13	58	126	162	155	83	47	3	2
18:00	416	61.9	52.1	9.4	0	0	4	6	25	57	78	89	94	52	7	4
19:00	274	62.4	52.2	9.9	0	0	2	5	14	46	57	49	50	40	9	2
20:00	191	61.9	51.1	10.3	0	0	3	3	22	16	50	36	32	22	4	3
21:00	131	61.2	51.8	9.0	0	0	0	2	8	21	26	31	22	17	4	0
22:00	75	65.4	53.4	11.6	0	0	0	3	9	7	8	17	11	13	7	0
23:00	38	62.7	52.7	9.6	0	0	0	0	4	5	4	12	6	5	2	0
Total																
2H(10-12)	752	56.8	47.7	8.7	0	2	11	31	87	137	197	156	82	44	4	1
2H(14-16)	963	56.7	48.0	8.4	0	0	20	17	102	193	271	189	118	42	10	1
12H(7-19)	5825	57.7	48.3	9.0	0	17	127	195	547	1096	1396	1261	768	355	51	12
24H(0-24)	7195	58.8	49.1	9.4	0	17	148	223	641	1282	1639	1533	1026	569	95	22
AM Peak	08:00	03:00	02:00	04:00	00:00	08:00	08:00	08:00	07:00	07:00	08:00	07:00	07:00	06:00	05:00	04:00
	646	71.2	57.5	14.3	0	5	43	35	62	146	133	136	80	53	9	2
PM Peak	17:00	22:00	22:00	22:00	12:00	17:00	15:00	16:00	15:00	17:00	17:00	17:00	18:00	18:00	19:00	18:00
	667	65.4	53.4	11.6	0	6	15	22	68	126	162	155	94	52	9	4

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	69.4	57.1	11.9	0	0	0	0	0	1	2	0	1	2	1	0
01:00	6	56.8	47.5	8.9	0	0	0	0	2	0	2	0	2	0	0	0
02:00	8	59.2	50.3	8.6	0	0	0	0	0	3	2	0	2	1	0	0
03:00	7	53.1	46.8	6.1	0	0	0	0	1	2	1	3	0	0	0	0
04:00	24	66.7	54.4	11.9	0	0	0	0	2	2	5	5	6	2	0	2
05:00	85	64.8	56.1	8.4	0	0	0	3	1	4	7	17	30	21	2	0
06:00	171	61.9	53.6	8.0	0	0	2	2	2	13	31	47	46	26	2	0
07:00	265	58.8	49.3	9.1	0	0	4	12	20	42	67	55	37	25	3	0
08:00	254	57.8	49.0	8.6	0	0	1	8	22	52	68	52	25	24	1	1
09:00	174	59.3	51.0	8.0	0	0	0	2	7	29	49	35	36	13	2	1
10:00	166	56.6	48.4	7.9	0	0	1	5	16	32	44	41	16	10	1	0
11:00	168	58.2	49.9	8.0	0	0	1	4	11	23	49	43	25	9	3	0
12:00	172	60.0	51.2	8.5	0	0	0	4	12	22	37	46	30	18	3	0
13:00	216	59.6	50.7	8.6	0	0	1	0	14	39	49	64	29	13	5	2
14:00	228	57.6	49.0	8.3	0	2	2	3	12	50	59	51	33	15	1	0
15:00	281	57.2	49.1	7.8	0	0	0	6	27	55	66	66	43	16	2	0
16:00	365	58.6	48.2	10.0	1	5	4	19	30	63	94	71	43	30	5	0
17:00	358	59.8	49.0	10.4	0	3	17	13	25	48	74	75	69	30	4	0
18:00	232	59.8	50.4	9.0	0	0	3	8	15	27	54	71	25	27	0	2
19:00	166	62.8	52.0	10.4	0	0	0	1	20	25	29	31	29	24	4	3
20:00	94	65.3	54.9	10.0	0	0	1	1	5	7	14	18	23	19	6	0
21:00	88	61.4	50.2	10.8	0	0	4	3	4	15	20	12	17	10	3	0
22:00	46	60.0	51.7	8.0	0	0	0	1	3	7	4	15	11	5	0	0
23:00	28	64.6	53.6	10.7	0	0	0	1	1	4	4	6	6	5	0	1
Total																
2H(10-12)	334	57.4	49.1	8.0	0	0	2	9	27	55	93	84	41	19	4	0
2H(14-16)	509	57.4	49.1	8.0	0	2	2	9	39	105	125	117	76	31	3	0
12H(7-19)	2879	58.7	49.5	8.9	1	10	34	84	211	482	710	670	411	230	30	6
24H(0-24)	3609	59.7	50.2	9.2	1	10	41	96	252	565	831	824	584	345	48	12
AM Peak	07:00	00:00	00:00	04:00	00:00	00:00	07:00	07:00	08:00	08:00	08:00	07:00	06:00	06:00	07:00	04:00
	265	69.4	57.1	11.9	0	0	4	12	22	52	68	55	46	26	3	2
PM Peak	16:00	20:00	20:00	21:00	16:00	16:00	17:00	16:00	16:00	16:00	16:00	17:00	17:00	16:00	20:00	19:00
	365	65.3	54.9	10.8	1	5	17	19	30	63	94	75	69	30	6	3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	64.1	55.4	8.5	0	0	0	0	0	1	1	1	2	2	0	0
01:00	3	53.7	45.8	7.6	0	0	0	0	1	0	1	1	0	0	0	0
02:00	7	60.9	49.3	11.2	0	0	0	1	1	0	1	2	1	1	0	0
03:00	15	69.8	59.0	10.4	0	0	0	0	0	1	1	5	1	6	0	1
04:00	43	58.5	43.6	14.4	0	0	5	13	6	0	4	4	3	7	1	0
05:00	120	62.9	51.6	10.9	0	0	2	8	11	12	13	26	25	19	4	0
06:00	193	60.9	49.8	10.6	0	0	4	4	21	47	34	19	32	25	7	0
07:00	334	59.2	50.3	8.6	0	0	3	8	33	42	61	91	65	28	3	0
08:00	283	55.9	47.7	8.0	0	1	3	10	22	69	69	68	29	10	2	0
09:00	209	56.8	49.2	7.3	0	0	1	4	13	43	45	70	21	11	1	0
10:00	195	54.3	45.4	8.6	0	0	7	11	32	44	43	36	16	5	1	0
11:00	203	54.4	45.7	8.4	0	1	3	20	23	32	76	24	16	8	0	0
12:00	156	59.8	49.0	10.4	0	0	3	6	28	15	29	31	31	9	2	2
13:00	196	57.6	48.0	9.3	0	0	2	12	27	28	45	45	25	8	3	1
14:00	199	57.0	48.0	8.8	0	0	4	5	23	43	46	44	18	14	2	0
15:00	216	58.0	48.3	9.3	0	0	3	6	29	48	40	42	32	10	6	0
16:00	290	58.1	49.3	8.5	0	1	5	7	16	42	80	91	31	12	3	2
17:00	270	55.4	46.1	9.0	0	0	7	20	46	37	78	45	23	12	2	0
18:00	190	60.2	51.2	8.7	0	0	0	3	17	34	26	44	43	20	3	0
19:00	103	65.0	52.4	12.2	0	0	0	6	16	8	13	16	20	18	3	3
20:00	79	67.4	55.6	11.4	0	0	0	1	9	4	10	11	19	20	2	3
21:00	59	61.6	50.0	11.2	0	0	0	4	12	5	3	17	10	6	1	1
22:00	39	66.1	53.6	12.1	0	0	0	1	5	5	4	7	6	8	2	1
23:00	13	71.1	54.4	16.0	0	0	1	1	1	0	1	2	2	4	0	1
Total																
2H(10-12)	398	54.3	45.5	8.5	0	1	10	31	55	76	119	60	32	13	1	0
2H(14-16)	415	57.5	48.2	9.0	0	0	7	11	52	91	86	86	50	24	8	0
12H(7-19)	2741	57.4	48.2	8.8	0	3	41	112	309	477	638	631	350	147	28	5
24H(0-24)	3422	58.8	48.9	9.6	0	3	53	151	392	560	724	742	471	263	48	15
AM Peak	07:00	03:00	03:00	04:00	00:00	08:00	10:00	11:00	07:00	08:00	11:00	07:00	07:00	07:00	06:00	03:00
	334	69.8	59.0	14.4	0	1	7	20	33	69	76	91	65	28	7	1
PM Peak	16:00	23:00	20:00	23:00	12:00	16:00	17:00	17:00	17:00	15:00	16:00	16:00	18:00	18:00	15:00	19:00
	290	71.1	55.6	16.0	0	1	7	20	46	48	80	91	43	20	6	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	14	66.6	56.3	9.9	0	0	0	0	0	2	3	1	3	4	1	0
01:00	9	55.3	46.9	8.1	0	0	0	0	3	0	3	1	2	0	0	0
02:00	15	59.7	49.8	9.6	0	0	0	1	1	3	3	2	3	2	0	0
03:00	22	66.3	55.1	10.8	0	0	0	0	1	3	2	8	1	6	0	1
04:00	67	62.4	47.5	14.4	0	0	5	13	8	2	9	9	9	9	1	2
05:00	205	64.0	53.5	10.2	0	0	2	11	12	16	20	43	55	40	6	0
06:00	364	61.6	51.6	9.7	0	0	6	6	23	60	65	66	78	51	9	0
07:00	599	59.0	49.9	8.8	0	0	7	20	53	84	128	146	102	53	6	0
08:00	537	56.9	48.3	8.3	0	1	4	18	44	121	137	120	54	34	3	1
09:00	383	58.0	50.0	7.7	0	0	1	6	20	72	94	105	57	24	3	1
10:00	361	55.5	46.8	8.4	0	0	8	16	48	76	87	77	32	15	2	0
11:00	371	56.3	47.6	8.5	0	1	4	24	34	55	125	67	41	17	3	0
12:00	328	60.0	50.2	9.5	0	0	3	10	40	37	66	77	61	27	5	2
13:00	412	58.8	49.4	9.0	0	0	3	12	41	67	94	109	54	21	8	3
14:00	427	57.4	48.5	8.5	0	2	6	8	35	93	105	95	51	29	3	0
15:00	497	57.6	48.8	8.5	0	0	3	12	56	103	106	108	75	26	8	0
16:00	655	58.4	48.7	9.4	1	6	9	26	46	105	174	162	74	42	8	2
17:00	628	58.0	47.7	9.9	0	3	24	33	71	85	152	120	92	42	6	0
18:00	422	60.0	50.8	8.9	0	0	3	11	32	61	80	115	68	47	3	2
19:00	269	63.6	52.1	11.1	0	0	0	7	36	33	42	47	49	42	7	6
20:00	173	66.2	55.2	10.6	0	0	1	2	14	11	24	29	42	39	8	3
21:00	147	61.5	50.1	10.9	0	0	4	7	16	20	23	29	27	16	4	1
22:00	85	63.0	52.6	10.1	0	0	0	2	8	12	8	22	17	13	2	1
23:00	41	66.7	53.8	12.4	0	0	1	2	2	4	5	8	8	9	0	2
Total																
2H(10-12)	732	55.9	47.2	8.4	0	1	12	40	82	131	212	144	73	32	5	0
2H(14-16)	924	57.5	48.7	8.5	0	2	9	20	91	196	211	203	126	55	11	0
12H(7-19)	5620	58.1	48.9	8.9	1	13	75	196	520	959	1348	1301	761	377	58	11
24H(0-24)	7031	59.3	49.5	9.4	1	13	94	247	644	1125	1555	1566	1055	608	96	27
AM Peak	07:00 599	00:00 66.6	00:00 56.3	04:00 14.4	00:00 0	08:00 1	10:00 8	11:00 24	07:00 53	08:00 121	08:00 137	07:00 146	07:00 102	07:00 53	06:00 9	04:00 2
PM Peak	16:00 655	23:00 66.7	20:00 55.2	23:00 12.4	16:00 1	16:00 6	17:00 24	17:00 33	17:00 71	16:00 105	16:00 174	16:00 162	17:00 92	18:00 47	13:00 8	19:00 6

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	10	71.4	59.5	11.5	0	0	0	0	1	0	1	0	4	2	2	0
01:00	11	62.4	54.3	7.8	0	0	0	0	1	0	1	4	3	2	0	0
02:00	7	55.2	48.2	6.7	0	0	0	0	1	1	2	2	1	0	0	0
03:00	7	67.1	53.9	12.7	0	0	0	0	1	1	0	3	0	1	1	0
04:00	17	61.6	52.6	8.6	0	0	0	0	1	3	3	2	5	3	0	0
05:00	79	66.3	57.0	8.9	0	0	0	0	3	3	9	19	18	23	3	1
06:00	139	64.2	53.2	10.6	0	0	1	8	7	13	20	31	23	30	6	0
07:00	223	60.3	51.9	8.1	0	0	0	0	8	43	43	58	43	22	6	0
08:00	232	58.0	49.8	7.8	0	1	0	3	13	42	61	64	29	18	0	1
09:00	176	58.0	49.0	8.7	0	2	0	6	18	24	38	51	24	13	0	0
10:00	223	58.4	49.7	8.4	0	1	5	3	9	35	61	52	44	11	2	0
11:00	210	58.6	48.5	9.7	0	1	6	4	21	37	51	49	24	13	2	2
12:00	227	57.0	48.1	8.6	0	1	3	11	21	35	65	52	23	15	1	0
13:00	276	56.9	48.3	8.4	0	0	5	7	28	49	77	60	32	17	0	1
14:00	304	58.6	48.9	9.3	0	6	2	5	26	48	77	71	44	23	2	0
15:00	339	55.2	46.9	8.0	0	0	5	20	34	78	86	65	37	14	0	0
16:00	319	56.9	47.2	9.3	0	4	8	13	32	60	78	72	34	16	2	0
17:00	354	58.6	47.0	11.2	0	9	19	16	27	65	75	64	49	27	2	1
18:00	233	60.9	50.7	9.9	0	1	5	7	11	34	42	68	38	21	4	2
19:00	156	61.6	51.4	9.9	0	0	3	5	10	18	33	33	26	25	3	0
20:00	103	61.0	52.2	8.6	0	0	0	0	8	14	19	25	23	11	3	0
21:00	82	60.1	52.9	7.0	0	0	0	0	0	11	16	31	10	14	0	0
22:00	48	62.5	51.6	10.5	0	0	0	0	4	11	10	9	5	5	4	0
23:00	22	61.3	52.5	8.5	0	0	0	0	2	3	2	7	4	4	0	0
Total																
2H(10-12)	433	58.5	49.1	9.1	0	2	11	7	30	72	112	101	68	24	4	2
2H(14-16)	643	56.9	47.9	8.7	0	6	7	25	60	126	163	136	81	37	2	0
12H(7-19)	3116	58.2	48.6	9.2	0	26	58	95	248	550	754	726	421	210	21	7
24H(0-24)	3797	59.2	49.4	9.4	0	26	62	108	287	628	870	892	543	330	43	8
AM Peak	08:00	00:00	00:00	03:00	00:00	09:00	11:00	06:00	11:00	07:00	08:00	08:00	10:00	06:00	06:00	11:00
	232	71.4	59.5	12.7	0	2	6	8	21	43	61	64	44	30	6	2
PM Peak	17:00	22:00	21:00	17:00	12:00	17:00	17:00	15:00	15:00	15:00	15:00	16:00	17:00	17:00	18:00	18:00
	354	62.5	52.9	11.2	0	9	19	20	34	78	86	72	49	27	4	2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	12	60.9	51.7	8.9	0	0	0	0	1	2	3	1	3	2	0	0
01:00	5	71.9	63.0	8.6	0	0	0	0	0	0	0	1	1	2	1	0
02:00	9	64.5	56.1	8.1	0	0	0	0	0	1	1	2	2	3	0	0
03:00	19	66.6	54.6	11.6	0	0	0	1	2	2	1	1	6	5	1	0
04:00	26	62.7	51.3	10.9	0	0	0	1	6	1	3	3	6	6	0	0
05:00	95	61.5	49.8	11.3	0	0	0	9	11	19	11	12	15	16	1	1
06:00	170	59.9	48.1	11.4	0	0	7	4	37	28	22	18	37	13	1	3
07:00	298	58.2	48.5	9.4	0	0	7	8	39	45	80	53	38	24	3	1
08:00	240	59.2	49.0	9.8	0	0	5	7	29	34	61	56	23	18	5	2
09:00	200	56.8	46.5	10.0	0	1	14	8	21	29	46	60	10	8	3	0
10:00	197	55.7	47.2	8.2	0	0	4	9	18	41	61	36	17	10	1	0
11:00	204	56.3	44.9	11.0	0	0	9	32	33	39	32	16	23	18	2	0
12:00	237	55.9	47.5	8.1	0	0	2	3	43	34	78	46	15	15	0	1
13:00	226	57.9	49.2	8.4	0	0	4	5	22	36	46	61	35	17	0	0
14:00	220	55.8	47.8	7.7	0	0	4	4	15	63	51	43	31	9	0	0
15:00	313	57.4	48.6	8.6	0	2	1	9	32	67	60	79	41	20	2	0
16:00	256	58.7	49.5	8.9	0	0	0	8	37	36	46	66	38	23	1	1
17:00	217	57.9	49.1	8.5	0	0	2	9	15	35	58	56	29	9	3	1
18:00	171	60.9	51.4	9.2	0	0	0	3	12	30	31	40	33	19	0	3
19:00	111	64.5	52.8	11.3	0	0	1	5	8	13	14	23	26	16	1	4
20:00	84	66.5	54.6	11.4	0	0	0	3	6	10	8	17	15	19	4	2
21:00	56	62.4	52.9	9.1	0	0	0	3	2	4	11	11	15	9	1	0
22:00	32	58.0	47.8	9.8	0	0	1	2	4	5	6	7	4	3	0	0
23:00	21	62.6	50.7	11.5	0	0	0	0	4	3	3	6	2	2	0	1
Total																
2H(10-12)	401	56.2	46.0	9.8	0	0	13	41	51	80	93	52	40	28	3	0
2H(14-16)	533	56.8	48.3	8.2	0	2	5	13	47	130	111	122	72	29	2	0
12H(7-19)	2779	57.7	48.3	9.1	0	3	52	105	316	489	650	612	333	190	20	9
24H(0-24)	3419	58.8	48.8	9.6	0	3	61	133	397	577	733	714	465	286	30	20
AM Peak	07:00	01:00	01:00	03:00	00:00	09:00	09:00	11:00	07:00	07:00	07:00	09:00	07:00	07:00	08:00	06:00
	298	71.9	63.0	11.6	0	1	14	32	39	45	80	60	38	24	5	3
PM Peak	15:00	20:00	20:00	23:00	12:00	15:00	13:00	15:00	12:00	15:00	12:00	15:00	15:00	16:00	20:00	19:00
	313	66.5	54.6	11.5	0	2	4	9	43	67	78	79	41	23	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	22	66.3	55.2	10.7	0	0	0	0	2	2	4	1	7	4	2	0
01:00	16	66.1	57.0	8.8	0	0	0	0	1	0	1	5	4	4	1	0
02:00	16	61.3	52.7	8.3	0	0	0	0	1	2	3	4	3	3	0	0
03:00	26	66.5	54.4	11.7	0	0	0	1	3	3	1	4	6	6	2	0
04:00	43	62.2	51.9	10.0	0	0	0	1	7	4	6	5	11	9	0	0
05:00	174	64.3	53.1	10.9	0	0	0	9	14	22	20	31	33	39	4	2
06:00	309	62.1	50.4	11.3	0	0	8	12	44	41	42	49	60	43	7	3
07:00	521	59.3	49.9	9.0	0	0	7	8	47	88	123	111	81	46	9	1
08:00	472	58.7	49.4	8.9	0	1	5	10	42	76	122	120	52	36	5	3
09:00	376	57.5	47.7	9.5	0	3	14	14	39	53	84	111	34	21	3	0
10:00	420	57.2	48.5	8.4	0	1	9	12	27	76	122	88	61	21	3	0
11:00	414	57.6	46.8	10.5	0	1	15	36	54	76	83	65	47	31	4	2
12:00	464	56.4	47.8	8.4	0	1	5	14	64	69	143	98	38	30	1	1
13:00	502	57.4	48.7	8.4	0	0	9	12	50	85	123	121	67	34	0	1
14:00	524	57.5	48.5	8.7	0	6	6	9	41	111	128	114	75	32	2	0
15:00	652	56.3	47.7	8.3	0	2	6	29	66	145	146	144	78	34	2	0
16:00	575	57.7	48.2	9.2	0	4	8	21	69	96	124	138	72	39	3	1
17:00	571	58.5	47.8	10.3	0	9	21	25	42	100	133	120	78	36	5	2
18:00	404	60.9	51.0	9.6	0	1	5	10	23	64	73	108	71	40	4	5
19:00	267	62.9	52.0	10.5	0	0	4	10	18	31	47	56	52	41	4	4
20:00	187	63.6	53.3	10.0	0	0	0	3	14	24	27	42	38	30	7	2
21:00	138	61.1	52.9	7.9	0	0	0	3	2	15	27	42	25	23	1	0
22:00	80	60.8	50.1	10.3	0	0	1	2	8	16	16	16	9	8	4	0
23:00	43	62.0	51.6	10.0	0	0	0	0	6	6	5	13	6	6	0	1
Total																
2H(10-12)	834	57.5	47.7	9.5	0	2	24	48	81	152	205	153	108	52	7	2
2H(14-16)	1176	56.8	48.0	8.5	0	8	12	38	107	256	274	258	153	66	4	0
12H(7-19)	5895	57.9	48.5	9.1	0	29	110	200	564	1039	1404	1338	754	400	41	16
24H(0-24)	7216	59.0	49.1	9.5	0	29	123	241	684	1205	1603	1606	1008	616	73	28
AM Peak	07:00	03:00	01:00	03:00	00:00	09:00	11:00	11:00	11:00	07:00	07:00	08:00	07:00	07:00	07:00	06:00
	521	66.5	57.0	11.7	0	3	15	36	54	88	123	120	81	46	9	3
PM Peak	15:00	20:00	20:00	19:00	12:00	17:00	17:00	15:00	16:00	15:00	15:00	15:00	15:00	19:00	20:00	18:00
	652	63.6	53.3	10.5	0	9	21	29	69	145	146	144	78	41	7	5

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	22	66.5	54.5	11.6	0	0	0	1	1	2	2	6	6	2	1	1
01:00	10	62.8	52.8	9.7	0	0	0	0	0	3	2	1	1	3	0	0
02:00	5	70.5	62.5	7.7	0	0	0	0	0	0	0	0	3	1	1	0
03:00	3	57.2	54.2	2.9	0	0	0	0	0	0	0	2	1	0	0	0
04:00	6	57.8	55.0	2.7	0	0	0	0	0	0	0	3	3	0	0	0
05:00	26	65.0	54.1	10.5	0	1	0	0	0	2	3	6	8	6	0	0
06:00	64	65.0	55.8	8.8	0	0	0	0	1	5	13	14	10	18	3	0
07:00	87	66.3	55.0	10.9	0	1	0	0	1	12	15	18	15	19	4	2
08:00	103	62.2	53.0	8.9	0	0	1	0	5	13	18	25	23	15	3	0
09:00	182	60.1	51.7	8.1	0	1	0	0	3	30	49	42	36	17	4	0
10:00	243	60.9	51.4	9.2	0	4	1	0	7	29	73	55	42	28	3	1
11:00	218	61.2	52.3	8.6	0	1	2	1	5	24	52	61	41	28	1	2
12:00	228	62.0	52.8	8.9	0	0	0	3	11	26	43	64	46	27	6	2
13:00	211	60.2	52.6	7.3	0	0	1	0	3	27	42	68	45	22	3	0
14:00	251	60.1	50.7	9.1	0	1	6	3	7	36	64	68	41	20	3	2
15:00	210	63.3	53.3	9.7	0	0	0	2	10	22	49	55	33	27	8	4
16:00	181	61.1	52.3	8.6	0	0	0	0	6	32	36	50	33	18	4	2
17:00	160	59.8	52.5	7.0	0	0	0	1	4	16	30	57	38	11	3	0
18:00	118	62.2	54.2	7.8	0	0	0	0	3	12	18	28	39	16	1	1
19:00	120	62.0	51.7	9.9	0	0	2	8	3	10	25	27	27	16	1	1
20:00	73	60.8	51.5	8.9	0	1	0	2	2	8	18	14	19	9	0	0
21:00	59	60.8	51.6	8.9	0	0	1	0	3	9	13	14	10	8	1	0
22:00	48	58.2	50.3	7.6	0	0	0	0	2	10	14	11	7	3	1	0
23:00	24	56.2	49.0	7.0	0	0	0	0	4	2	7	5	6	0	0	0
Total																
2H(10-12)	461	61.0	51.8	8.9	0	5	3	1	12	53	125	116	83	56	4	3
2H(14-16)	461	61.7	51.8	9.5	0	1	6	5	17	58	113	123	74	47	11	6
12H(7-19)	2192	61.4	52.4	8.7	0	8	11	10	65	279	489	591	432	248	43	16
24H(0-24)	2652	61.5	52.4	8.8	0	10	14	21	81	330	586	694	533	314	51	18
AM Peak	10:00	02:00	02:00	00:00	00:00	10:00	11:00	00:00	10:00	09:00	10:00	11:00	10:00	10:00	07:00	07:00
	243	70.5	62.5	11.6	0	4	2	1	7	30	73	61	42	28	4	2
PM Peak	14:00	15:00	18:00	19:00	12:00	14:00	14:00	19:00	12:00	14:00	14:00	13:00	12:00	12:00	15:00	15:00
	251	63.3	54.2	9.9	0	1	6	8	11	36	64	68	46	27	8	4

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	16	65.8	54.5	10.8	0	0	1	0	0	0	2	7	2	3	1	0
01:00	6	77.8	61.7	15.5	0	0	0	0	0	1	0	1	2	0	1	1
02:00	2	69.1	56.3	12.4	0	0	0	0	0	0	1	0	0	1	0	0
03:00	5	71.7	56.5	14.6	0	0	0	0	1	0	1	0	1	1	1	0
04:00	11	70.5	52.0	17.8	0	0	1	1	2	1	0	1	0	3	2	0
05:00	41	69.0	57.0	11.7	0	0	0	0	3	4	2	7	14	7	1	3
06:00	49	65.2	51.3	13.4	0	0	0	4	7	9	7	3	5	11	1	2
07:00	92	63.4	53.0	10.0	0	0	1	3	8	7	10	20	24	18	0	1
08:00	146	64.9	52.8	11.6	0	0	2	2	20	14	20	33	18	25	11	1
09:00	179	59.8	50.3	9.2	0	0	3	3	17	30	30	44	30	20	2	0
10:00	212	58.7	49.7	8.6	0	0	2	1	19	38	53	56	25	12	5	1
11:00	207	57.7	48.6	8.7	0	0	3	5	17	40	54	51	31	2	0	4
12:00	210	58.6	49.7	8.6	0	2	0	5	18	24	57	61	24	18	0	1
13:00	212	61.6	50.9	10.4	0	1	3	7	15	30	37	58	32	22	4	3
14:00	170	61.4	50.6	10.5	0	0	2	5	22	17	41	31	27	17	7	1
15:00	150	62.9	51.9	10.7	0	0	1	8	12	21	15	35	31	22	3	2
16:00	135	63.6	53.9	9.3	0	0	0	2	8	16	8	44	31	20	5	1
17:00	143	64.1	53.4	10.4	0	0	0	5	12	13	15	39	28	26	2	3
18:00	95	61.0	51.9	8.8	0	0	0	3	6	8	22	23	20	12	0	1
19:00	113	66.1	55.0	10.7	0	0	0	1	10	10	12	24	27	21	5	3
20:00	70	66.9	53.9	12.6	0	0	0	3	8	10	4	15	8	17	2	3
21:00	41	66.0	51.6	13.8	0	0	2	3	3	6	4	5	8	8	0	2
22:00	38	63.6	49.6	13.5	0	0	1	2	10	5	1	6	4	7	1	1
23:00	32	63.0	52.7	10.0	0	0	0	2	2	3	3	9	7	5	1	0
Total																
2H(10-12)	419	58.2	49.2	8.7	0	0	5	6	36	78	107	107	56	14	5	5
2H(14-16)	320	62.2	51.2	10.6	0	0	3	13	34	38	56	66	58	39	10	3
12H(7-19)	1951	61.2	51.1	9.8	0	3	17	49	174	258	362	495	321	214	39	19
24H(0-24)	2375	62.3	51.5	10.4	0	3	22	65	220	307	399	573	399	298	55	34
AM Peak	10:00	01:00	01:00	04:00	00:00	00:00	09:00	11:00	08:00	11:00	11:00	10:00	11:00	08:00	08:00	11:00
	212	77.8	61.7	17.8	0	0	3	5	20	40	54	56	31	25	11	4
PM Peak	13:00	20:00	19:00	21:00	12:00	12:00	13:00	15:00	14:00	13:00	12:00	12:00	13:00	17:00	14:00	13:00
	212	66.9	55.0	13.8	0	2	3	8	22	30	57	61	32	26	7	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	38	66.1	54.5	11.1	0	0	1	1	1	2	4	13	8	5	2	1
01:00	16	69.1	56.1	12.5	0	0	0	0	0	4	2	2	3	3	1	1
02:00	7	69.7	60.7	8.6	0	0	0	0	0	0	1	0	3	2	1	0
03:00	8	67.3	55.6	11.2	0	0	0	0	1	0	1	2	2	1	1	0
04:00	17	67.9	53.1	14.3	0	0	1	1	2	1	0	4	3	3	2	0
05:00	67	67.5	55.9	11.2	0	1	0	0	3	6	5	13	22	13	1	3
06:00	113	65.5	53.8	11.2	0	0	0	4	8	14	20	17	15	29	4	2
07:00	179	64.8	54.0	10.5	0	1	1	3	9	19	25	38	39	37	4	3
08:00	249	63.8	52.9	10.6	0	0	3	2	25	27	38	58	41	40	14	1
09:00	361	60.0	51.0	8.7	0	1	3	3	20	60	79	86	66	37	6	0
10:00	455	59.9	50.6	9.0	0	4	3	1	26	67	126	111	67	40	8	2
11:00	425	59.7	50.5	8.9	0	1	5	6	22	64	106	112	72	30	1	6
12:00	438	60.5	51.3	8.9	0	2	0	8	29	50	100	125	70	45	6	3
13:00	423	61.0	51.7	9.0	0	1	4	7	18	57	79	126	77	44	7	3
14:00	421	60.7	50.6	9.7	0	1	8	8	29	53	105	99	68	37	10	3
15:00	360	63.2	52.7	10.1	0	0	1	10	22	43	64	90	64	49	11	6
16:00	316	62.2	53.0	8.9	0	0	0	2	14	48	44	94	64	38	9	3
17:00	303	62.0	52.9	8.7	0	0	0	6	16	29	45	96	66	37	5	3
18:00	213	61.7	53.1	8.3	0	0	0	3	9	20	40	51	59	28	1	2
19:00	233	64.1	53.3	10.4	0	0	2	9	13	20	37	51	54	37	6	4
20:00	143	64.0	52.7	10.9	0	1	0	5	10	18	22	29	27	26	2	3
21:00	100	63.1	51.6	11.1	0	0	3	3	6	15	17	19	18	16	1	2
22:00	86	61.0	50.0	10.6	0	0	1	2	12	15	15	17	11	10	2	1
23:00	56	60.3	51.1	8.9	0	0	0	2	6	5	10	14	13	5	1	0
Total																
2H(10-12)	880	59.8	50.6	8.9	0	5	8	7	48	131	232	223	139	70	9	8
2H(14-16)	781	61.9	51.6	9.9	0	1	9	18	51	96	169	189	132	86	21	9
12H(7-19)	4143	61.4	51.8	9.3	0	11	28	59	239	537	851	1086	753	462	82	35
24H(0-24)	5027	61.9	52.0	9.6	0	13	36	86	301	637	985	1267	932	612	106	52
AM Peak	10:00	02:00	02:00	04:00	00:00	10:00	11:00	11:00	10:00	10:00	10:00	11:00	11:00	08:00	08:00	11:00
	455	69.7	60.7	14.3	0	4	5	6	26	67	126	112	72	40	14	6
PM Peak	12:00	19:00	19:00	21:00	12:00	12:00	14:00	15:00	12:00	13:00	14:00	13:00	13:00	15:00	15:00	15:00
	438	64.1	53.3	11.1	0	2	8	10	29	57	105	126	77	49	11	6

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	30	60.5	50.4	9.7	0	0	0	2	3	3	5	8	6	2	1	0
01:00	15	64.4	55.2	8.9	0	0	0	0	0	1	4	4	2	3	1	0
02:00	7	61.9	52.1	9.4	0	0	0	0	1	1	0	2	2	1	0	0
03:00	6	70.8	57.9	12.4	0	0	0	0	0	1	1	1	0	2	1	0
04:00	8	63.2	53.1	9.7	0	0	0	0	0	3	0	1	2	2	0	0
05:00	31	64.6	55.4	8.8	0	0	0	0	0	3	7	6	7	6	2	0
06:00	28	63.4	56.9	6.3	0	0	0	0	0	0	1	14	6	6	1	0
07:00	60	65.9	56.0	9.6	0	0	0	1	1	6	8	11	14	15	4	0
08:00	100	64.9	54.2	10.3	0	1	1	0	2	9	20	23	22	17	3	2
09:00	131	62.9	51.4	11.1	0	6	0	0	3	15	23	36	34	10	3	1
10:00	167	63.0	53.5	9.1	0	0	0	0	10	20	35	29	37	31	4	1
11:00	250	59.6	49.6	9.7	1	5	2	2	18	30	61	73	35	22	0	1
12:00	230	60.5	50.6	9.5	0	3	0	6	14	29	49	69	38	17	2	3
13:00	193	63.9	53.8	9.8	0	2	0	2	3	24	29	50	48	25	8	2
14:00	205	61.3	52.4	8.6	0	0	0	1	6	32	45	51	46	17	4	3
15:00	214	62.4	53.1	8.9	0	0	1	3	8	26	38	53	45	33	7	0
16:00	199	62.1	53.6	8.1	0	0	0	0	3	21	41	60	44	24	3	3
17:00	150	59.2	50.8	8.1	0	1	0	2	10	15	41	37	33	9	2	0
18:00	131	63.1	53.2	9.5	0	0	0	0	6	15	35	27	24	18	3	3
19:00	106	63.5	53.2	9.9	0	0	0	1	3	23	14	25	17	17	5	1
20:00	89	63.8	53.1	10.4	0	0	4	0	2	7	18	23	17	15	2	1
21:00	54	62.2	52.0	9.9	0	0	0	1	7	5	10	9	13	7	2	0
22:00	29	61.2	49.9	10.9	0	0	0	2	2	6	8	2	5	2	2	0
23:00	16	72.5	57.2	14.8	0	0	0	0	2	2	2	2	2	2	3	1
Total																
2H(10-12)	417	61.2	51.2	9.6	1	5	2	2	28	50	96	102	72	53	4	2
2H(14-16)	419	61.9	52.8	8.8	0	0	1	4	14	58	83	104	91	50	11	3
12H(7-19)	2030	62.1	52.3	9.4	1	18	4	17	84	242	425	519	420	238	43	19
24H(0-24)	2449	62.4	52.5	9.5	1	18	8	23	104	297	495	616	499	303	63	22
AM Peak	11:00	03:00	03:00	03:00	11:00	09:00	11:00	00:00	11:00	11:00	11:00	11:00	10:00	10:00	07:00	08:00
	250	70.8	57.9	12.4	1	6	2	2	18	30	61	73	37	31	4	2
PM Peak	12:00	23:00	23:00	23:00	12:00	12:00	20:00	12:00	12:00	14:00	12:00	12:00	13:00	15:00	13:00	12:00
	230	72.5	57.2	14.8	0	3	4	6	14	32	49	69	48	33	8	3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	20	63.8	50.9	12.5	0	0	0	2	3	3	1	3	3	4	1	0
01:00	8	71.2	60.9	9.9	0	0	0	0	0	1	0	1	1	4	1	0
02:00	6	56.8	47.5	8.9	0	0	0	1	0	1	1	2	1	0	0	0
03:00	7	68.7	57.1	11.1	0	0	0	0	0	0	3	1	0	2	1	0
04:00	16	61.1	47.7	13.0	0	0	0	3	2	4	0	3	1	2	1	0
05:00	23	63.8	52.0	11.4	0	0	0	2	3	1	2	6	4	4	1	0
06:00	37	69.8	55.4	13.9	0	0	1	2	5	1	0	7	7	11	1	2
07:00	83	67.8	55.4	11.9	0	0	1	4	3	10	7	12	17	23	4	2
08:00	83	66.1	55.1	10.7	0	0	0	0	11	6	8	11	24	16	7	0
09:00	147	62.6	51.2	11.0	0	2	1	4	12	23	27	23	29	21	4	1
10:00	209	58.7	50.4	8.0	0	0	0	5	21	18	44	72	39	7	1	2
11:00	188	58.6	48.9	9.4	0	1	5	4	18	28	41	54	21	14	1	1
12:00	235	58.2	48.4	9.5	1	1	0	7	30	43	60	47	29	12	3	2
13:00	210	61.9	50.6	10.9	0	0	1	5	25	32	37	65	17	19	0	9
14:00	200	60.2	49.7	10.2	0	1	4	3	18	38	41	44	30	14	5	2
15:00	164	62.7	51.8	10.5	0	1	3	1	10	20	38	38	27	19	4	3
16:00	196	61.4	51.9	9.2	0	0	0	6	11	24	37	59	32	19	7	1
17:00	208	61.0	49.9	10.7	1	3	1	3	24	26	41	54	36	10	7	2
18:00	142	61.1	51.5	9.3	0	0	0	3	15	14	25	42	22	19	0	2
19:00	121	59.4	48.3	10.8	0	0	2	11	24	8	16	33	10	15	2	0
20:00	55	62.2	51.2	10.6	0	0	0	1	9	10	4	13	4	13	1	0
21:00	38	67.7	52.6	14.6	0	1	0	2	6	3	2	6	10	4	2	2
22:00	31	65.4	53.1	11.9	0	0	0	1	4	3	6	5	3	6	3	0
23:00	9	73.1	55.8	16.7	0	0	0	1	0	2	2	0	0	1	3	0
Total																
2H(10-12)	397	58.7	49.7	8.7	0	1	5	9	39	46	85	126	60	21	2	3
2H(14-16)	364	61.4	50.6	10.4	0	2	7	4	28	58	79	82	57	33	9	5
12H(7-19)	2065	61.2	50.7	10.1	2	9	16	45	198	282	406	521	323	193	43	27
24H(0-24)	2436	61.6	50.8	10.5	2	10	19	71	254	319	443	601	367	259	60	31
AM Peak	10:00 209	01:00 71.2	01:00 60.9	06:00 13.9	00:00 0	09:00 2	11:00 5	10:00 5	10:00 21	11:00 28	10:00 44	10:00 72	10:00 39	07:00 23	08:00 7	06:00 2
PM Peak	12:00 235	23:00 73.1	23:00 55.8	23:00 16.7	12:00 1	17:00 3	14:00 4	19:00 11	12:00 30	12:00 43	12:00 60	13:00 65	17:00 36	13:00 19	16:00 7	13:00 9

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	50	61.8	50.6	10.8	0	0	0	4	6	6	6	11	9	6	2	0
01:00	23	67.0	57.2	9.5	0	0	0	0	0	2	4	5	3	7	2	0
02:00	13	59.5	50.0	9.1	0	0	0	1	1	2	1	4	3	1	0	0
03:00	13	69.1	57.5	11.2	0	0	0	0	0	1	4	2	0	4	2	0
04:00	24	62.0	49.5	12.0	0	0	0	3	2	7	0	4	3	4	1	0
05:00	54	64.3	53.9	10.0	0	0	0	2	3	4	9	12	11	10	3	0
06:00	65	67.7	56.0	11.2	0	0	1	2	5	1	1	21	13	17	2	2
07:00	143	67.0	55.7	11.0	0	0	1	5	4	16	15	23	31	38	8	2
08:00	183	65.4	54.6	10.5	0	1	1	0	13	15	28	34	46	33	10	2
09:00	278	62.7	51.3	11.0	0	8	1	4	15	38	50	59	63	31	7	2
10:00	376	60.7	51.8	8.7	0	0	0	5	31	38	79	101	76	38	5	3
11:00	438	59.2	49.3	9.5	1	6	7	6	36	58	102	127	56	36	1	2
12:00	465	59.4	49.5	9.6	1	4	0	13	44	72	109	116	67	29	5	5
13:00	403	63.0	52.2	10.5	0	2	1	7	28	56	66	115	65	44	8	11
14:00	405	60.9	51.1	9.5	0	1	4	4	24	70	86	95	76	31	9	5
15:00	378	62.6	52.5	9.7	0	1	4	4	18	46	76	91	72	52	11	3
16:00	395	61.8	52.8	8.7	0	0	0	6	14	45	78	119	76	43	10	4
17:00	358	60.3	50.3	9.7	1	4	1	5	34	41	82	91	69	19	9	2
18:00	273	62.1	52.3	9.4	0	0	0	3	21	29	60	69	46	37	3	5
19:00	227	61.6	50.6	10.7	0	0	2	12	27	31	30	58	27	32	7	1
20:00	144	63.2	52.4	10.5	0	0	4	1	11	17	22	36	21	28	3	1
21:00	92	64.6	52.2	12.0	0	1	0	3	13	8	12	15	23	11	4	2
22:00	60	63.4	51.5	11.4	0	0	0	3	6	9	14	7	8	8	5	0
23:00	25	72.4	56.7	15.2	0	0	0	1	2	4	4	2	2	3	6	1
Total																
2H(10-12)	814	60.0	50.4	9.2	1	6	7	11	67	96	181	228	132	74	6	5
2H(14-16)	783	61.7	51.8	9.6	0	2	8	8	42	116	162	186	148	83	20	8
12H(7-19)	4095	61.7	51.5	9.8	3	27	20	62	282	524	831	1040	743	431	86	46
24H(0-24)	4885	62.1	51.6	10.0	3	28	27	94	358	616	938	1217	866	562	123	53
AM Peak	11:00	03:00	03:00	04:00	11:00	09:00	11:00	11:00	11:00	11:00	11:00	11:00	10:00	07:00	08:00	10:00
	438	69.1	57.5	12.0	1	8	7	6	36	58	102	127	76	38	10	3
PM Peak	12:00	23:00	23:00	23:00	12:00	12:00	14:00	12:00	12:00	12:00	12:00	16:00	14:00	15:00	15:00	13:00
	465	72.4	56.7	15.2	1	4	4	13	44	72	109	119	76	52	11	11

Paul Castle Associates

Tween Bridge ATC 3, A614 Selby Road

Direction: Northbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	10	59.3	50.3	8.7	0	0	0	0	2	0	3	2	2	1	0	0
01:00	11	64.4	53.2	10.8	0	0	0	0	0	0	5	5	0	0	0	1
02:00	10	58.7	52.0	6.4	0	0	0	0	1	0	2	3	4	0	0	0
03:00	5	54.1	43.0	10.7	0	0	1	0	0	1	2	1	0	0	0	0
04:00	28	59.2	50.5	8.4	0	0	0	0	4	1	9	7	5	1	1	0
05:00	90	62.6	54.9	7.4	0	0	0	0	1	4	19	25	24	14	3	0
06:00	167	62.2	53.7	8.1	0	0	0	1	4	15	36	41	41	25	3	1
07:00	215	61.2	53.2	7.7	0	0	1	2	5	17	40	75	39	34	2	0
08:00	245	59.3	50.1	8.9	0	2	2	10	16	26	53	66	48	22	0	0
09:00	191	58.3	50.2	7.8	0	1	3	1	6	30	47	60	28	15	0	0
10:00	179	57.9	49.5	8.0	0	0	0	3	17	32	41	48	26	10	1	1
11:00	174	57.6	48.8	8.5	0	2	1	4	9	30	56	41	20	10	0	1
12:00	203	58.7	50.5	7.9	0	0	5	1	6	29	46	68	32	15	1	0
13:00	215	59.3	50.2	8.8	0	1	2	4	17	28	57	40	48	16	1	1
14:00	206	59.0	50.6	8.1	0	0	1	4	13	28	50	54	36	18	2	0
15:00	247	58.7	50.3	8.1	0	0	3	4	22	32	44	69	56	17	0	0
16:00	311	58.0	49.4	8.3	0	1	0	5	28	67	64	75	41	29	1	0
17:00	364	58.9	49.7	8.9	0	0	8	9	19	64	90	82	60	28	2	2
18:00	328	56.3	47.9	8.1	0	2	1	10	17	85	108	58	23	22	1	1
19:00	201	57.2	48.2	8.7	0	0	2	7	25	39	50	36	29	10	3	0
20:00	134	57.6	48.7	8.7	0	1	1	2	11	35	28	25	19	12	0	0
21:00	103	58.3	49.9	8.2	0	0	0	1	11	19	25	18	18	11	0	0
22:00	61	62.6	50.2	12.0	0	0	0	3	9	12	8	14	6	4	3	2
23:00	30	59.4	50.2	9.0	0	0	0	0	3	6	5	11	3	0	2	0
Total																
2H(10-12)	353	57.7	49.2	8.2	0	2	1	7	26	62	97	89	46	20	1	2
2H(14-16)	453	58.8	50.5	8.1	0	0	4	8	35	60	94	123	92	35	2	0
12H(7-19)	2878	58.6	50.0	8.4	0	9	27	57	175	468	696	736	457	236	11	6
24H(0-24)	3728	58.9	50.1	8.5	0	10	31	71	246	600	888	924	608	314	26	10
AM Peak	08:00	01:00	05:00	01:00	00:00	08:00	09:00	08:00	10:00	10:00	11:00	07:00	08:00	07:00	05:00	01:00
	245	64.4	54.9	10.8	0	2	3	10	17	32	56	75	48	34	3	1
PM Peak	17:00	22:00	14:00	22:00	12:00	18:00	17:00	18:00	16:00	18:00	18:00	17:00	17:00	16:00	19:00	17:00
	364	62.6	50.6	12.0	0	2	8	10	28	85	108	82	60	29	3	2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	6	74.5	57.1	16.8	0	0	0	1	0	0	0	1	3	0	0	1
01:00	6	62.3	56.3	5.9	0	0	0	0	0	0	1	1	3	1	0	0
02:00	5	59.1	54.5	4.5	0	0	0	0	0	0	1	1	3	0	0	0
03:00	18	70.5	51.1	18.7	0	0	1	2	6	0	1	1	0	3	3	1
04:00	37	65.1	49.7	14.8	0	0	3	3	5	5	4	1	6	8	1	1
05:00	176	61.0	48.0	12.5	0	0	16	10	20	23	30	26	23	24	2	2
06:00	197	60.1	47.9	11.7	0	0	14	15	20	33	15	49	28	17	6	0
07:00	325	59.3	50.0	9.0	0	0	8	10	30	33	56	92	72	23	0	1
08:00	218	60.6	50.2	10.0	0	1	6	8	16	25	40	50	52	16	3	1
09:00	170	59.3	47.7	11.3	0	2	13	13	13	14	16	62	25	11	1	0
10:00	180	57.7	47.7	9.6	0	1	2	16	16	38	31	36	23	17	0	0
11:00	184	56.4	47.2	8.9	0	1	4	8	22	36	41	46	15	10	1	0
12:00	186	56.5	48.2	8.0	0	0	2	2	25	28	55	50	16	5	2	1
13:00	177	60.2	49.5	10.4	0	0	3	5	24	25	33	51	17	12	4	3
14:00	208	57.6	48.2	9.1	0	0	4	11	21	39	39	53	27	11	3	0
15:00	211	60.3	50.6	9.4	0	0	3	4	15	34	40	62	31	15	5	2
16:00	253	57.8	47.2	10.2	0	0	8	13	43	44	51	42	28	20	3	1
17:00	272	57.3	48.1	9.0	0	0	4	9	34	62	50	63	26	21	3	0
18:00	157	60.6	48.8	11.3	0	0	1	11	32	27	17	17	26	22	3	1
19:00	117	59.1	48.8	9.9	0	0	1	2	22	23	19	18	19	11	1	1
20:00	92	61.9	49.7	11.8	0	1	1	5	15	13	12	11	19	11	4	0
21:00	70	58.9	46.9	11.6	0	0	2	4	18	10	14	5	9	4	4	0
22:00	34	56.2	45.4	10.5	0	0	1	3	9	6	4	5	2	4	0	0
23:00	19	58.1	48.9	8.9	0	0	0	0	4	4	2	2	6	1	0	0
Total																
2H(10-12)	364	57.0	47.4	9.3	0	2	6	24	38	74	72	82	38	27	1	0
2H(14-16)	419	59.1	49.4	9.3	0	0	7	15	36	73	79	115	58	26	8	2
12H(7-19)	2541	58.7	48.7	9.7	0	5	58	110	291	405	469	624	358	183	28	10
24H(0-24)	3318	59.2	48.6	10.2	0	6	97	155	410	522	572	745	479	267	49	16
AM Peak	07:00	00:00	00:00	03:00	00:00	09:00	05:00	10:00	07:00	10:00	07:00	07:00	07:00	05:00	06:00	05:00
	325	74.5	57.1	18.7	0	2	16	16	30	38	56	92	72	24	6	2
PM Peak	17:00	20:00	15:00	20:00	12:00	20:00	16:00	16:00	16:00	17:00	12:00	17:00	15:00	18:00	15:00	13:00
	272	61.9	50.6	11.8	0	1	8	13	43	62	55	63	31	22	5	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	16	65.5	52.8	12.3	0	0	0	1	2	0	3	3	5	1	0	1
01:00	17	63.9	54.3	9.3	0	0	0	0	0	0	6	6	3	1	0	1
02:00	15	58.9	52.8	5.8	0	0	0	0	1	0	3	4	7	0	0	0
03:00	23	67.4	49.3	17.4	0	0	2	2	6	1	3	2	0	3	3	1
04:00	65	62.9	50.1	12.4	0	0	3	3	9	6	13	8	11	9	2	1
05:00	266	62.3	50.3	11.5	0	0	16	10	21	27	49	51	47	38	5	2
06:00	364	61.6	50.6	10.6	0	0	14	16	24	48	51	90	69	42	9	1
07:00	540	60.2	51.3	8.6	0	0	9	12	35	50	96	167	111	57	2	1
08:00	463	59.9	50.2	9.4	0	3	8	18	32	51	93	116	100	38	3	1
09:00	361	59.0	49.0	9.7	0	3	16	14	19	44	63	122	53	26	1	0
10:00	359	57.9	48.6	8.9	0	1	2	19	33	70	72	84	49	27	1	1
11:00	358	57.0	48.0	8.7	0	3	5	12	31	66	97	87	35	20	1	1
12:00	389	57.7	49.4	8.0	0	0	7	3	31	57	101	118	48	20	3	1
13:00	392	59.8	49.9	9.5	0	1	5	9	41	53	90	91	65	28	5	4
14:00	414	58.4	49.4	8.7	0	0	5	15	34	67	89	107	63	29	5	0
15:00	458	59.5	50.4	8.7	0	0	6	8	37	66	84	131	87	32	5	2
16:00	564	58.0	48.4	9.2	0	1	8	18	71	111	115	117	69	49	4	1
17:00	636	58.3	49.0	9.0	0	0	12	18	53	126	140	145	86	49	5	2
18:00	485	57.8	48.2	9.2	0	2	2	21	49	112	125	75	49	44	4	2
19:00	318	57.9	48.4	9.2	0	0	3	9	47	62	69	54	48	21	4	1
20:00	226	59.5	49.1	10.0	0	2	2	7	26	48	40	36	38	23	4	0
21:00	173	58.8	48.7	9.8	0	0	2	5	29	29	39	23	27	15	4	0
22:00	95	60.6	48.4	11.7	0	0	1	6	18	18	12	19	8	8	3	2
23:00	49	58.9	49.7	8.8	0	0	0	0	7	10	7	13	9	1	2	0
Total																
2H(10-12)	717	57.4	48.3	8.8	0	4	7	31	64	136	169	171	84	47	2	2
2H(14-16)	872	59.0	50.0	8.7	0	0	11	23	71	133	173	238	150	61	10	2
12H(7-19)	5419	58.7	49.4	9.0	0	14	85	167	466	873	1165	1360	815	419	39	16
24H(0-24)	7046	59.1	49.4	9.4	0	16	128	226	656	1122	1460	1669	1087	581	75	26
AM Peak	07:00	03:00	01:00	03:00	00:00	08:00	05:00	10:00	07:00	10:00	11:00	07:00	07:00	07:00	06:00	05:00
	540	67.4	54.3	17.4	0	3	16	19	35	70	97	167	111	57	9	2
PM Peak	17:00	22:00	15:00	22:00	12:00	18:00	17:00	18:00	16:00	17:00	17:00	17:00	15:00	16:00	13:00	13:00
	636	60.6	50.4	11.7	0	2	12	21	71	126	140	145	87	49	5	4

Paul Castle Associates



Appendix D: Automatic Traffic Survey Reports – Link 4

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	19	13	14	11	27	30	17	15	19
01:00	6	7	7	6	20	13	2	6	9
02:00	8	6	6	5	12	6	7	6	7
03:00	4	4	6	12	8	7	6	6	7
04:00	10	14	9	9	7	7	12	11	10
05:00	57	54	57	48	29	26	62	56	48
06:00	88	87	90	92	55	28	71	86	73
07:00	164	173	172	187	75	53	166	172	141
08:00	310	308	309	333	168	155	312	314	271
09:00	202	242	224	246	265	156	246	232	276
10:00	233	230	233	262	312	250	248	241	253
11:00	257	254	266	292	328	276	276	269	278
12:00	285	257	280	302	341	291	293	283	293
13:00	258	259	111	313	339	315	289	286	298
14:00	338	298	306	350	324	283	325	323	318
15:00	420	388	446	473	290	269	392	424	383
16:00	383	425	432	462	256	261	411	423	376
17:00	424	396	431	451	283	229	366	414	369
18:00	316	317	309	369	271	228	286	319	299
19:00	236	271	271	292	224	217	150	244	237
20:00	161	192	198	222	192	155	140	183	180
21:00	129	109	141	163	142	101	96	128	126
22:00	57	87	85	113	120	77	54	79	85
23:00	23	23	33	41	66	21	18	28	32
Total									
12H(7-19)	3590	3547	3719	4040	3252	2766	3610	3701	3503
16H(6-22)	4204	4206	4419	4809	3865	3267	4067	4341	4120
18H(6-24)	4284	4316	4537	4963	4051	3365	4139	4448	4236
24H(0-24)	4388	4414	4636	5054	4154	3454	4245	4547	4335
AM Peak	08:00 310	08:00 308	08:00 309	08:00 333	11:00 328	11:00 276	08:00 312	08:00 314	11:00 278
PM Peak	17:00 424	16:00 425	15:00 446	15:00 473	12:00 341	13:00 315	16:00 411	15:00 424	15:00 383

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Direction: Southbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	16	9	11	7	19	28	12	11	15
01:00	7	8	9	5	13	10	6	7	6
02:00	9	7	1	6	7	7	5	6	6
03:00	11	9	7	22	7	6	11	12	10
04:00	25	31	29	30	14	14	40	31	26
05:00	102	99	103	91	41	26	97	98	80
06:00	162	161	161	147	66	53	179	162	133
07:00	289	270	285	268	120	74	283	279	227
08:00	429	417	422	416	255	135	444	426	360
09:00	262	266	242	281	303	179	292	269	261
10:00	240	259	265	255	327	273	244	253	266
11:00	264	253	292	292	323	327	262	267	284
12:00	269	256	254	292	351	308	253	285	283
13:00	259	259	308	308	298	319	266	280	288
14:00	333	276	336	373	287	219	303	324	304
15:00	348	330	359	401	267	219	329	353	322
16:00	318	340	323	361	233	219	315	331	301
17:00	334	371	364	359	258	282	284	342	322
18:00	279	265	322	335	232	203	299	300	276
19:00	247	234	228	228	227	166	154	224	216
20:00	133	186	222	177	206	159	143	125	165
21:00	104	104	127	151	129	98	96	116	116
22:00	55	53	66	95	129	61	48	63	72
23:00	24	35	36	37	49	38	14	29	33
Total									
12H(7-19)	3624	3562	3745	3941	3254	2757	3574	3689	3494
16H(6-22)	4270	4247	4438	4704	3835	3217	4128	4357	4120
18H(6-24)	4349	4335	4540	4836	4013	3316	4190	4450	4226
24H(0-24)	4519	4498	4700	4997	4114	3407	4361	4615	4371
AM Peak	08:00 429	08:00 417	08:00 422	08:00 416	10:00 327	11:00 327	08:00 444	08:00 426	08:00 360
PM Peak	15:00 348	17:00 371	17:00 364	15:00 401	12:00 351	13:00 319	15:00 329	15:00 353	15:00 322

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Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	35	22	25	18	46	58	29	26	33
01:00	13	15	16	11	33	23	8	13	17
02:00	17	13	7	11	19	13	12	12	13
03:00	15	13	13	34	15	13	17	18	17
04:00	35	45	38	39	21	21	52	42	36
05:00	159	153	160	139	70	52	159	154	127
06:00	250	248	251	239	121	81	250	248	206
07:00	453	443	457	455	195	127	449	451	368
08:00	739	725	731	749	423	290	756	740	630
09:00	464	508	466	527	568	335	538	501	487
10:00	473	489	498	517	639	523	492	494	519
11:00	521	507	531	584	651	603	538	536	562
12:00	554	513	534	594	692	599	546	548	576
13:00	517	518	619	621	637	634	555	566	586
14:00	671	574	642	723	611	502	628	648	622
15:00	768	718	805	874	557	488	721	777	704
16:00	701	765	755	823	489	480	726	754	677
17:00	758	767	795	810	541	511	650	756	690
18:00	595	582	631	704	503	431	585	619	576
19:00	483	505	499	551	451	383	304	468	454
20:00	294	378	375	428	351	298	265	348	341
21:00	233	213	268	314	271	199	192	244	241
22:00	112	140	151	208	249	138	102	143	157
23:00	47	58	69	78	115	59	32	57	65
Total									
12H(7-19)	7214	7109	7464	7981	6506	5523	7184	7390	6997
16H(6-22)	8474	8453	8857	9513	7700	6484	8195	8698	8239
18H(6-24)	8633	8651	9077	9799	8064	6681	8329	8898	8462
24H(0-24)	8907	8912	9336	10051	8268	6861	8606	9162	8706
AM Peak	08:00 739	08:00 725	08:00 731	08:00 749	11:00 651	11:00 603	08:00 756	08:00 740	08:00 630
PM Peak	15:00 768	17:00 767	15:00 805	15:00 874	12:00 692	13:00 634	16:00 726	15:00 777	15:00 704

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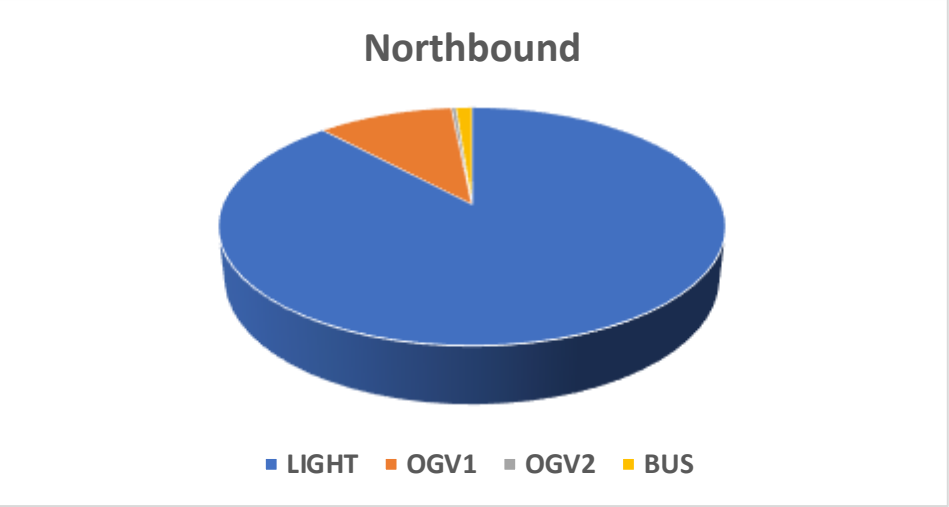


Tween Bridge ATC 4, Marshland Road

Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4388	3800	501	16	71
Wed 7 Jun 2023	4414	3848	483	21	62
Thu 8 Jun 2023	4636	4098	451	19	68
Fri 9 Jun 2023	5054	4413	559	20	62
Sat 10 Jun 2023	4154	3730	375	11	38
Sun 11 Jun 2023	3454	3139	290	7	18
Mon 12 Jun 2023	4245	3696	483	15	51
5 Day Ave.	4547	3971	495	18	63
7 Day Ave.	4335	3818	449	16	53

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	86.6%	11.4%	0.4%	1.6%
Wed 7 Jun 2023	100.0%	87.2%	10.9%	0.5%	1.4%
Thu 8 Jun 2023	100.0%	88.4%	9.7%	0.4%	1.5%
Fri 9 Jun 2023	100.0%	87.3%	11.1%	0.4%	1.2%
Sat 10 Jun 2023	100.0%	89.8%	9.0%	0.3%	0.9%
Sun 11 Jun 2023	100.0%	90.9%	8.4%	0.2%	0.5%
Mon 12 Jun 2023	100.0%	87.1%	11.4%	0.4%	1.2%
5 Day Ave.	100.0%	87.3%	10.9%	0.4%	1.4%
7 Day Ave.	100.0%	88.1%	10.4%	0.4%	1.2%

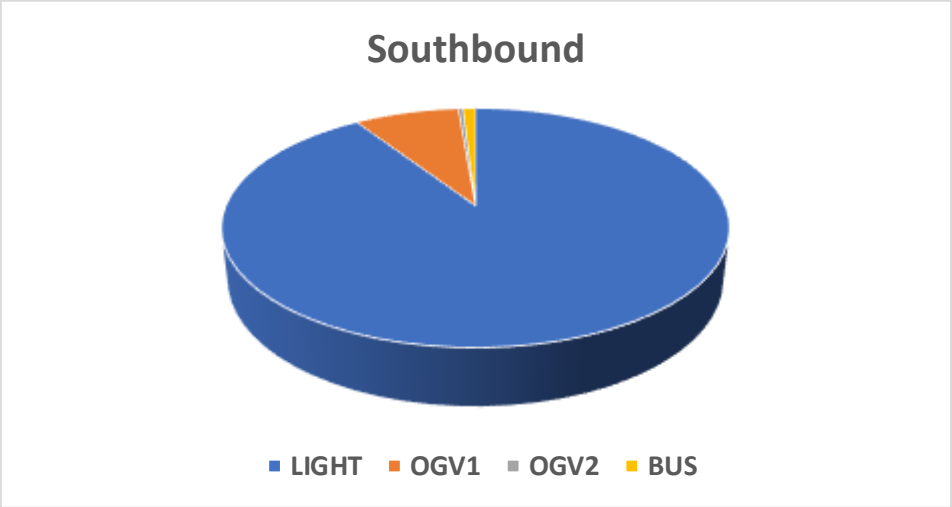
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Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4519	4092	359	17	51
Wed 7 Jun 2023	4498	4053	381	14	50
Thu 8 Jun 2023	4700	4275	356	24	45
Fri 9 Jun 2023	4997	4492	430	22	53
Sat 10 Jun 2023	4114	3791	280	9	34
Sun 11 Jun 2023	3407	3168	220	6	13
Mon 12 Jun 2023	4361	3891	408	20	42
5 Day Ave.	4615	4161	387	19	48
7 Day Ave.	4371	3966	348	16	41

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	90.6%	7.9%	0.4%	1.1%
Wed 7 Jun 2023	100.0%	90.1%	8.5%	0.3%	1.1%
Thu 8 Jun 2023	100.0%	91.0%	7.6%	0.5%	1.0%
Fri 9 Jun 2023	100.0%	89.9%	8.6%	0.4%	1.1%
Sat 10 Jun 2023	100.0%	92.1%	6.8%	0.2%	0.8%
Sun 11 Jun 2023	100.0%	93.0%	6.5%	0.2%	0.4%
Mon 12 Jun 2023	100.0%	89.2%	9.4%	0.5%	1.0%
5 Day Ave.	100.0%	90.2%	8.4%	0.4%	1.0%
7 Day Ave.	100.0%	90.7%	8.0%	0.4%	0.9%

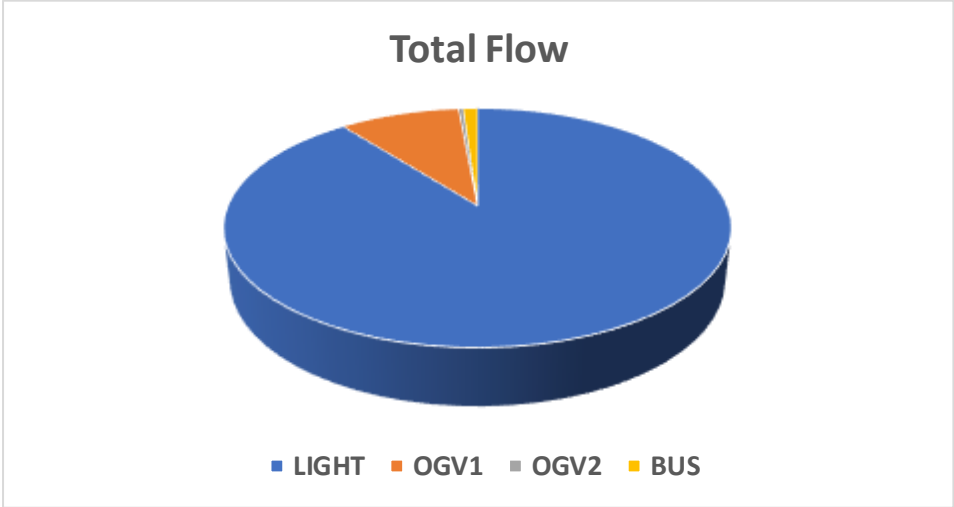
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	8907	7892	860	33	122
Wed 7 Jun 2023	8912	7901	864	35	112
Thu 8 Jun 2023	9336	8373	807	43	113
Fri 9 Jun 2023	10051	8905	989	42	115
Sat 10 Jun 2023	8268	7521	655	20	72
Sun 11 Jun 2023	6861	6307	510	13	31
Mon 12 Jun 2023	8606	7587	891	35	93
5 Day Ave.	9162	8132	882	38	111
7 Day Ave.	8706	7784	797	32	94

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	88.6%	9.7%	0.4%	1.4%
Wed 7 Jun 2023	100.0%	88.7%	9.7%	0.4%	1.3%
Thu 8 Jun 2023	100.0%	89.7%	8.6%	0.5%	1.2%
Fri 9 Jun 2023	100.0%	88.6%	9.8%	0.4%	1.1%
Sat 10 Jun 2023	100.0%	91.0%	7.9%	0.2%	0.9%
Sun 11 Jun 2023	100.0%	91.9%	7.4%	0.2%	0.5%
Mon 12 Jun 2023	100.0%	88.2%	10.4%	0.4%	1.1%
5 Day Ave.	100.0%	88.7%	9.6%	0.4%	1.2%
7 Day Ave.	100.0%	89.4%	9.1%	0.4%	1.1%

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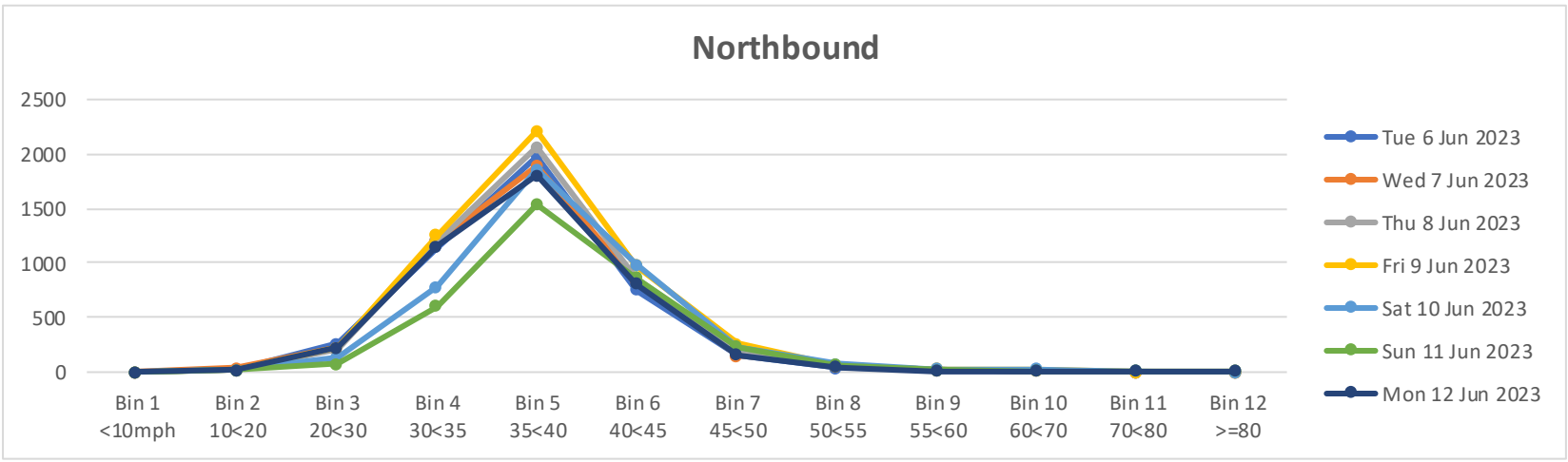


Tween Bridge ATC 4, Marshland Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	4388	42.6	36.8	5.6	0	23	259	1148	1977	757	160	41	16	6	1	0
Wed 7 Jun 2023	4414	43.2	37.0	6.0	3	33	223	1198	1891	827	148	53	20	14	2	2
Thu 8 Jun 2023	4636	43.2	37.2	5.7	5	20	204	1202	2065	855	199	54	16	13	1	2
Fri 9 Jun 2023	5054	43.6	37.5	5.9	1	19	224	1256	2211	980	258	59	24	15	3	4
Sat 10 Jun 2023	4154	45.0	38.5	6.3	2	17	134	781	1860	985	228	78	30	26	9	4
Sun 11 Jun 2023	3454	45.3	38.8	6.2	0	16	77	608	1537	869	235	70	15	13	6	8
Mon 12 Jun 2023	4245	43.3	37.1	6.0	3	21	220	1153	1807	810	158	43	7	11	6	6
5 Day Ave.	4547	43.2	37.1	5.8	2	23	226	1191	1990	846	185	50	17	12	3	3
7 Day Ave.	4335	43.7	37.6	5.9	2	21	192	1049	1907	869	198	57	18	14	4	4

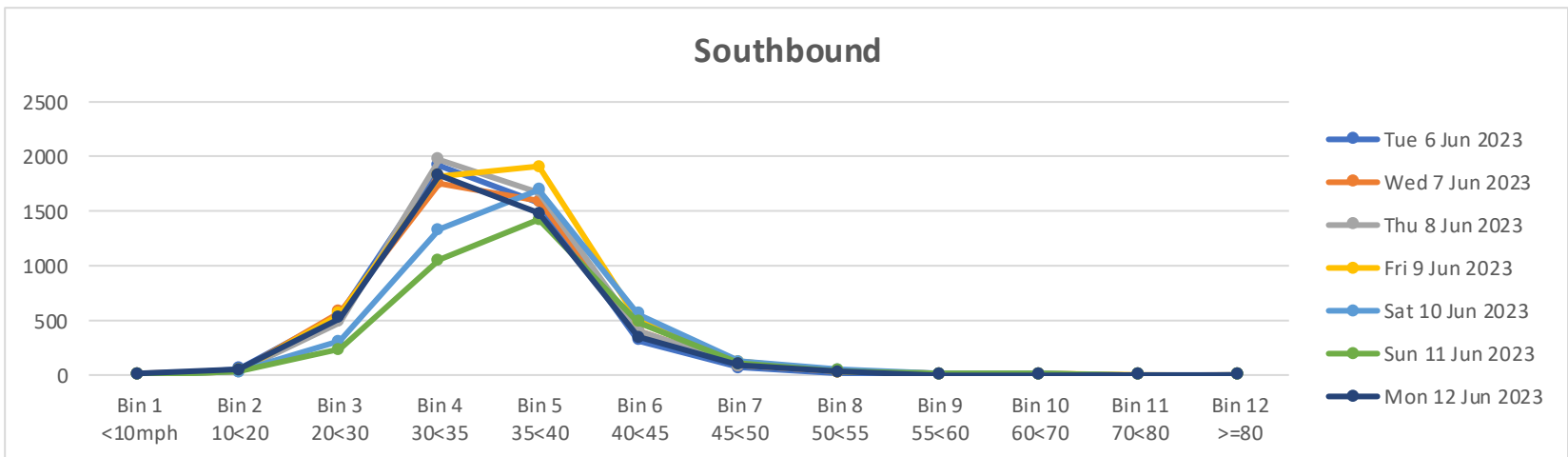
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Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	4519	40.0	34.2	5.6	3	55	550	1916	1581	317	69	16	5	5	2	0
Wed 7 Jun 2023	4498	40.7	34.5	5.9	7	40	578	1753	1591	398	89	28	6	2	5	1
Thu 8 Jun 2023	4700	40.5	34.7	5.6	7	25	488	1970	1677	403	88	26	7	6	2	1
Fri 9 Jun 2023	4997	41.1	35.1	5.8	2	34	559	1819	1911	498	124	30	10	6	1	3
Sat 10 Jun 2023	4114	42.2	36.0	5.9	5	29	304	1335	1695	555	118	48	13	9	3	0
Sun 11 Jun 2023	3407	42.4	36.1	6.0	4	41	232	1056	1424	488	106	37	8	10	1	0
Mon 12 Jun 2023	4361	40.3	34.4	5.7	7	46	525	1829	1477	346	96	27	4	4	0	0
5 Day Ave.	4615	40.5	34.6	5.7	5	40	540	1857	1647	392	93	25	6	5	2	1
7 Day Ave.	4371	41.0	35.0	5.8	5	39	462	1668	1622	429	99	30	8	6	2	1

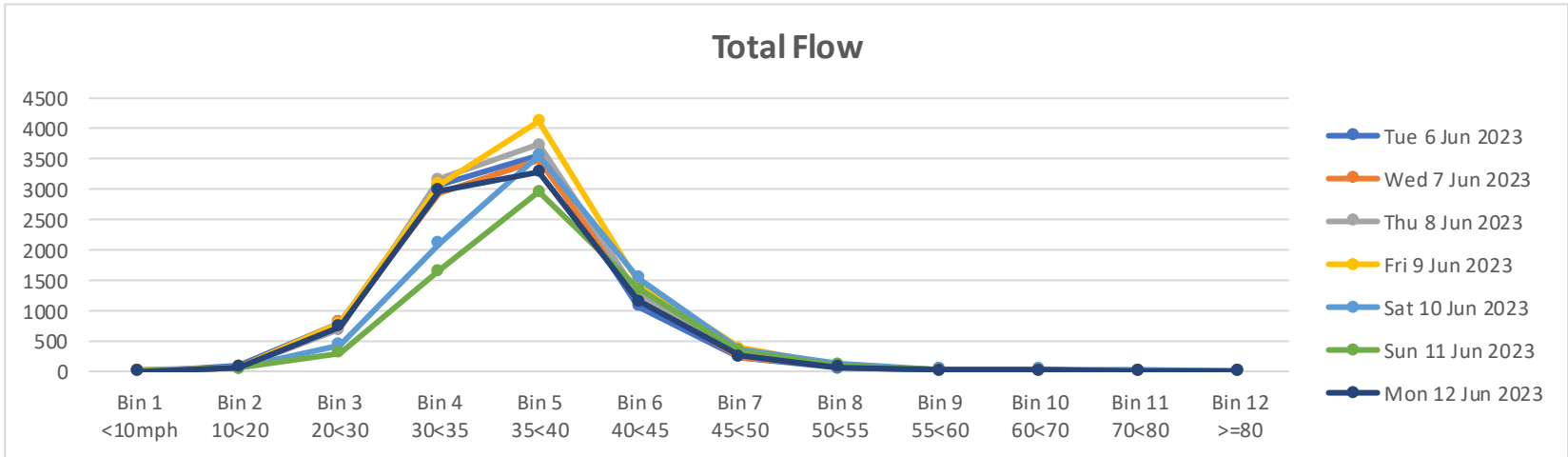
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	8907	41.4	35.5	5.7	3	78	809	3064	3558	1074	229	57	21	11	3	0
Wed 7 Jun 2023	8912	42.0	35.7	6.1	10	73	801	2951	3482	1225	237	81	26	16	7	3
Thu 8 Jun 2023	9336	42.0	36.0	5.8	12	45	692	3172	3742	1258	287	80	23	19	3	3
Fri 9 Jun 2023	10051	42.5	36.3	6.0	3	53	783	3075	4122	1478	382	89	34	21	4	7
Sat 10 Jun 2023	8268	43.7	37.3	6.2	7	46	438	2116	3555	1540	346	126	43	35	12	4
Sun 11 Jun 2023	6861	44.0	37.5	6.3	4	57	309	1664	2961	1357	341	107	23	23	7	8
Mon 12 Jun 2023	8606	42.0	35.7	6.0	10	67	745	2982	3284	1156	254	70	11	15	6	6
5 Day Ave.	9162	42.0	35.8	5.9	8	63	766	3049	3638	1238	278	75	23	16	5	4
7 Day Ave.	8706	42.5	36.3	6.0	7	60	654	2718	3529	1298	297	87	26	20	6	4

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Tween Bridge ATC 4, Marshland Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	490	41.9	36.2	5.5	0	4	36	135	224	74	10	6	1	0	0	0
Wed 7 Jun 2023	484	41.3	35.3	5.8	0	5	51	158	192	65	7	5	1	0	0	0
Thu 8 Jun 2023	499	41.4	36.1	5.0	0	1	28	174	209	64	20	3	0	0	0	0
Fri 9 Jun 2023	554	41.6	36.1	5.3	0	1	38	195	219	76	19	4	2	0	0	0
Sat 10 Jun 2023	640	44.4	37.8	6.4	0	3	22	154	300	115	24	11	5	3	2	1
Sun 11 Jun 2023	526	44.0	37.8	6.0	0	1	17	128	244	101	21	8	2	2	1	1
Mon 12 Jun 2023	524	41.7	36.2	5.3	0	2	35	164	219	87	11	5	1	0	0	0
5 Day Ave.	510	41.6	36.0	5.4	0	3	38	165	213	73	13	5	1	0	0	0
7 Day Ave.	531	42.3	36.5	5.6	0	2	32	158	230	83	16	6	2	1	0	0

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Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	504	39.2	33.9	5.2	0	3	70	230	155	39	6	1	0	0	0	0
Wed 7 Jun 2023	512	39.0	33.2	5.7	0	4	109	197	172	21	8	0	0	1	0	0
Thu 8 Jun 2023	530	38.4	33.4	4.8	0	5	68	274	151	30	2	0	0	0	0	0
Fri 9 Jun 2023	547	38.9	34.1	4.6	0	2	58	258	195	27	6	1	0	0	0	0
Sat 10 Jun 2023	650	40.2	34.7	5.3	0	6	64	261	258	45	12	1	3	0	0	0
Sun 11 Jun 2023	600	40.5	34.9	5.4	1	5	57	228	239	59	9	1	0	1	0	0
Mon 12 Jun 2023	506	39.1	33.7	5.2	0	3	78	220	173	26	4	1	0	1	0	0
5 Day Ave.	520	38.9	33.7	5.1	0	3	77	236	169	29	5	1	0	0	0	0
7 Day Ave.	550	39.3	34.0	5.2	0	4	72	238	192	35	7	1	0	0	0	0

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	994	40.7	35.0	5.5	0	7	106	365	379	113	16	7	1	0	0	0
Wed 7 Jun 2023	996	40.2	34.2	5.8	0	9	160	355	364	86	15	5	1	1	0	0
Thu 8 Jun 2023	1029	40.0	34.7	5.1	0	6	96	448	360	94	22	3	0	0	0	0
Fri 9 Jun 2023	1101	40.4	35.1	5.1	0	3	96	453	414	103	25	5	2	0	0	0
Sat 10 Jun 2023	1290	42.5	36.2	6.0	0	9	86	415	558	160	36	12	8	3	2	1
Sun 11 Jun 2023	1126	42.3	36.2	5.8	1	6	74	356	483	160	30	9	2	3	1	1
Mon 12 Jun 2023	1030	40.6	35.0	5.4	0	5	113	384	392	113	15	6	1	1	0	0
5 Day Ave.	1030	40.4	34.8	5.4	0	6	114	401	382	102	19	5	1	0	0	0
7 Day Ave.	1081	40.9	35.2	5.5	0	6	104	397	421	118	23	7	2	1	0	0

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	758	41.1	35.6	5.3	0	4	68	243	323	97	21	2	0	0	0	0
Wed 7 Jun 2023	686	42.0	35.6	6.2	1	15	51	222	274	94	22	5	1	1	0	0
Thu 8 Jun 2023	752	41.3	35.9	5.1	3	0	46	254	325	102	17	4	1	0	0	0
Fri 9 Jun 2023	823	42.4	36.4	5.7	0	6	58	244	329	144	34	5	2	1	0	0
Sat 10 Jun 2023	614	45.4	38.7	6.5	0	0	30	90	288	156	37	0	3	6	3	1
Sun 11 Jun 2023	552	45.0	38.9	5.8	0	4	8	89	251	141	42	14	1	1	0	1
Mon 12 Jun 2023	717	42.7	36.8	5.6	0	7	32	191	328	126	27	4	0	1	0	1
5 Day Ave.	747	41.9	36.1	5.6	1	6	51	231	316	113	24	4	1	1	0	0
7 Day Ave.	700	42.8	36.9	5.8	1	5	42	190	303	123	29	5	1	1	0	0

Paul Castle Associates

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	681	38.8	33.5	5.2	2	5	102	312	213	44	3	0	0	0	0	0
Wed 7 Jun 2023	606	39.0	33.2	5.6	1	4	119	257	172	46	6	1	0	0	0	0
Thu 8 Jun 2023	695	39.3	33.6	5.5	3	4	105	317	206	52	6	1	1	0	0	0
Fri 9 Jun 2023	774	39.2	33.6	5.4	0	4	121	351	250	37	8	2	0	0	0	1
Sat 10 Jun 2023	554	42.3	36.2	5.9	1	1	45	177	230	65	25	6	3	1	0	0
Sun 11 Jun 2023	438	42.8	36.6	6.0	0	3	31	128	179	65	23	6	3	0	0	0
Mon 12 Jun 2023	632	39.7	33.7	5.8	1	15	79	275	204	45	13	0	0	0	0	0
5 Day Ave.	678	39.2	33.5	5.5	1	6	105	302	209	45	7	1	0	0	0	0
7 Day Ave.	626	40.2	34.3	5.6	1	5	86	260	208	51	12	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	1439	40.1	34.6	5.3	2	9	170	555	536	141	24	2	0	0	0	0
Wed 7 Jun 2023	1292	40.7	34.5	6.0	2	19	170	479	446	140	28	6	1	1	0	0
Thu 8 Jun 2023	1447	40.4	34.8	5.4	6	4	151	571	531	154	23	5	2	0	0	0
Fri 9 Jun 2023	1597	41.0	35.1	5.7	0	10	179	595	579	181	42	7	2	1	0	1
Sat 10 Jun 2023	1168	44.0	37.5	6.3	1	1	75	267	518	221	62	6	6	7	3	1
Sun 11 Jun 2023	990	44.1	37.9	6.0	0	7	39	217	430	206	65	20	4	1	0	1
Mon 12 Jun 2023	1349	41.5	35.4	5.9	1	22	111	466	532	171	40	4	0	1	0	1
5 Day Ave.	1425	40.8	34.9	5.7	2	13	156	533	525	157	31	5	1	1	0	0
7 Day Ave.	1326	41.7	35.7	5.8	2	10	128	450	510	173	41	7	2	2	0	1

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	19	18	1	0	0
01:00	6	4	1	1	0
02:00	8	5	2	1	0
03:00	4	3	1	0	0
04:00	10	6	2	0	2
05:00	57	52	4	0	1
06:00	88	71	12	0	5
07:00	164	123	35	1	5
08:00	310	263	44	1	2
09:00	202	166	30	1	5
10:00	233	192	36	2	3
11:00	257	222	27	1	7
12:00	285	251	29	1	4
13:00	258	218	33	0	7
14:00	338	293	38	3	4
15:00	420	364	50	0	6
16:00	383	331	45	0	7
17:00	424	385	34	2	3
18:00	316	281	31	1	3
19:00	236	210	24	0	2
20:00	161	145	14	0	2
21:00	129	124	4	0	1
22:00	57	54	1	1	1
23:00	23	19	3	0	1
Total					
12H(7-19)	3590	3089	432	13	56
16H(6-22)	4204	3639	486	13	66
18H(6-24)	4284	3712	490	14	68
24H(0-24)	4388	3800	501	16	71
AM Peak	08:00 310	08:00 263	08:00 44	10:00 2	11:00 7
PM Peak	17:00 424	17:00 385	15:00 50	14:00 3	13:00 7

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	14	1	1	0
01:00	7	6	0	1	0
02:00	9	7	2	0	0
03:00	11	11	0	0	0
04:00	25	22	2	0	1
05:00	102	92	8	0	2
06:00	162	135	22	1	4
07:00	289	251	32	1	5
08:00	429	391	34	1	3
09:00	262	237	21	1	3
10:00	240	215	22	1	2
11:00	264	239	22	0	3
12:00	269	245	18	3	3
13:00	259	233	23	1	2
14:00	333	306	22	2	3
15:00	348	310	34	0	4
16:00	318	286	26	1	5
17:00	334	316	16	0	2
18:00	279	257	19	1	2
19:00	247	226	19	0	2
20:00	133	122	9	0	2
21:00	104	95	6	2	1
22:00	55	54	0	0	1
23:00	24	22	1	0	1
Total					
12H(7-19)	3624	3286	289	12	37
16H(6-22)	4270	3864	345	15	46
18H(6-24)	4349	3940	346	15	48
24H(0-24)	4519	4092	359	17	51
AM Peak	08:00 429	08:00 391	08:00 34	00:00 1	07:00 5
PM Peak	15:00 348	17:00 316	15:00 34	12:00 3	16:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	35	32	2	1	0
01:00	13	10	1	2	0
02:00	17	12	4	1	0
03:00	15	14	1	0	0
04:00	35	28	4	0	3
05:00	159	144	12	0	3
06:00	250	206	34	1	9
07:00	453	374	67	2	10
08:00	739	654	78	2	5
09:00	464	403	51	2	8
10:00	473	407	58	3	5
11:00	521	461	49	1	10
12:00	554	496	47	4	7
13:00	517	451	56	1	9
14:00	671	599	60	5	7
15:00	768	674	84	0	10
16:00	701	617	71	1	12
17:00	758	701	50	2	5
18:00	595	538	50	2	5
19:00	483	436	43	0	4
20:00	294	267	23	0	4
21:00	233	219	10	2	2
22:00	112	108	1	1	2
23:00	47	41	4	0	2
Total					
12H(7-19)	7214	6375	721	25	93
16H(6-22)	8474	7503	831	28	112
18H(6-24)	8633	7652	836	29	116
24H(0-24)	8907	7892	860	33	122
AM Peak	08:00 739	08:00 654	08:00 78	10:00 3	07:00 10
PM Peak	15:00 768	17:00 701	15:00 84	14:00 5	16:00 12

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	13	0	0	0
01:00	7	7	0	0	0
02:00	6	5	1	0	0
03:00	4	2	2	0	0
04:00	14	10	1	1	2
05:00	54	52	2	0	0
06:00	87	67	15	0	5
07:00	173	135	33	0	5
08:00	308	269	33	1	5
09:00	242	200	39	1	2
10:00	230	203	22	3	2
11:00	254	221	26	1	6
12:00	257	219	28	5	5
13:00	259	220	34	2	3
14:00	298	250	41	2	5
15:00	388	337	44	2	5
16:00	425	370	50	1	4
17:00	396	352	42	0	2
18:00	317	281	33	0	3
19:00	271	251	17	0	3
20:00	192	180	9	1	2
21:00	109	101	6	1	1
22:00	87	83	3	0	1
23:00	23	20	2	0	1
Total					
12H(7-19)	3547	3057	425	18	47
16H(6-22)	4206	3656	472	20	58
18H(6-24)	4316	3759	477	20	60
24H(0-24)	4414	3848	483	21	62
AM Peak	08:00 308	08:00 269	09:00 39	10:00 3	11:00 6
PM Peak	16:00 425	16:00 370	16:00 50	12:00 5	12:00 5

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	8	0	0	1
01:00	8	6	1	1	0
02:00	7	4	2	0	1
03:00	9	9	0	0	0
04:00	31	26	3	0	2
05:00	99	85	12	0	2
06:00	161	137	20	0	4
07:00	270	242	24	0	4
08:00	417	387	27	0	3
09:00	266	237	26	1	2
10:00	259	234	23	1	1
11:00	253	231	20	2	0
12:00	256	227	25	2	2
13:00	259	227	26	1	5
14:00	276	251	22	1	2
15:00	330	292	33	1	4
16:00	340	301	35	1	3
17:00	371	334	32	0	5
18:00	265	242	21	1	1
19:00	234	219	12	1	2
20:00	186	173	10	1	2
21:00	104	97	6	0	1
22:00	53	51	1	0	1
23:00	35	33	0	0	2
Total					
12H(7-19)	3562	3205	314	11	32
16H(6-22)	4247	3831	362	13	41
18H(6-24)	4335	3915	363	13	44
24H(0-24)	4498	4053	381	14	50
AM Peak	08:00 417	08:00 387	08:00 27	11:00 2	06:00 4
PM Peak	17:00 371	17:00 334	16:00 35	12:00 2	13:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	22	21	0	0	1
01:00	15	13	1	1	0
02:00	13	9	3	0	1
03:00	13	11	2	0	0
04:00	45	36	4	1	4
05:00	153	137	14	0	2
06:00	248	204	35	0	9
07:00	443	377	57	0	9
08:00	725	656	60	1	8
09:00	508	437	65	2	4
10:00	489	437	45	4	3
11:00	507	452	46	3	6
12:00	513	446	53	7	7
13:00	518	447	60	3	8
14:00	574	501	63	3	7
15:00	718	629	77	3	9
16:00	765	671	85	2	7
17:00	767	686	74	0	7
18:00	582	523	54	1	4
19:00	505	470	29	1	5
20:00	378	353	19	2	4
21:00	213	198	12	1	2
22:00	140	134	4	0	2
23:00	58	53	2	0	3
Total					
12H(7-19)	7109	6262	739	29	79
16H(6-22)	8453	7487	834	33	99
18H(6-24)	8651	7674	840	33	104
24H(0-24)	8912	7901	864	35	112
AM Peak	08:00 725	08:00 656	09:00 65	10:00 4	06:00 9
PM Peak	17:00 767	17:00 686	16:00 85	12:00 7	15:00 9

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	14	0	0	0
01:00	7	6	1	0	0
02:00	6	4	1	1	0
03:00	6	3	3	0	0
04:00	9	5	3	0	1
05:00	57	52	4	0	1
06:00	90	73	14	1	2
07:00	172	139	25	2	6
08:00	309	273	34	0	2
09:00	224	185	31	3	5
10:00	233	203	26	0	4
11:00	266	229	28	5	4
12:00	280	244	29	1	6
13:00	311	281	23	1	6
14:00	306	261	39	2	4
15:00	446	401	39	2	4
16:00	432	377	46	0	9
17:00	431	384	43	1	3
18:00	309	290	16	0	3
19:00	271	254	15	0	2
20:00	198	180	15	0	3
21:00	141	129	11	0	1
22:00	85	83	2	0	0
23:00	33	28	3	0	2
Total					
12H(7-19)	3719	3267	379	17	56
16H(6-22)	4419	3903	434	18	64
18H(6-24)	4537	4014	439	18	66
24H(0-24)	4636	4098	451	19	68
AM Peak	08:00 309	08:00 273	08:00 34	11:00 5	07:00 6
PM Peak	15:00 446	15:00 401	16:00 46	14:00 2	16:00 9

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	11	0	0	0
01:00	9	6	2	1	0
02:00	1	1	0	0	0
03:00	7	7	0	0	0
04:00	29	25	3	0	1
05:00	103	92	9	1	1
06:00	161	138	20	1	2
07:00	285	256	19	4	6
08:00	422	389	28	2	3
09:00	242	224	14	1	3
10:00	265	237	26	0	2
11:00	265	231	30	2	2
12:00	254	234	16	2	2
13:00	308	287	19	0	2
14:00	336	302	29	3	2
15:00	359	319	34	3	3
16:00	323	289	30	1	3
17:00	364	326	33	2	3
18:00	322	297	23	0	2
19:00	228	219	7	0	2
20:00	177	168	7	0	2
21:00	127	121	4	0	2
22:00	66	63	2	0	1
23:00	36	33	1	1	1
Total					
12H(7-19)	3745	3391	301	20	33
16H(6-22)	4438	4037	339	21	41
18H(6-24)	4540	4133	342	22	43
24H(0-24)	4700	4275	356	24	45
AM Peak	08:00 422	08:00 389	11:00 30	07:00 4	07:00 6
PM Peak	17:00 364	17:00 326	15:00 34	14:00 3	15:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	25	25	0	0	0
01:00	16	12	3	1	0
02:00	7	5	1	1	0
03:00	13	10	3	0	0
04:00	38	30	6	0	2
05:00	160	144	13	1	2
06:00	251	211	34	2	4
07:00	457	395	44	6	12
08:00	731	662	62	2	5
09:00	466	409	45	4	8
10:00	498	440	52	0	6
11:00	531	460	58	7	6
12:00	534	478	45	3	8
13:00	619	568	42	1	8
14:00	642	563	68	5	6
15:00	805	720	73	5	7
16:00	755	666	76	1	12
17:00	795	710	76	3	6
18:00	631	587	39	0	5
19:00	499	473	22	0	4
20:00	375	348	22	0	5
21:00	268	250	15	0	3
22:00	151	146	4	0	1
23:00	69	61	4	1	3
Total					
12H(7-19)	7464	6658	680	37	89
16H(6-22)	8857	7940	773	39	105
18H(6-24)	9077	8147	781	40	109
24H(0-24)	9336	8373	807	43	113
AM Peak	08:00 731	08:00 662	08:00 62	11:00 7	07:00 12
PM Peak	15:00 805	15:00 720	16:00 76	14:00 5	16:00 12

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	6	3	1	1
01:00	6	6	0	0	0
02:00	5	5	0	0	0
03:00	12	8	3	1	0
04:00	9	7	1	0	1
05:00	48	39	8	0	1
06:00	92	72	13	2	5
07:00	187	148	34	0	5
08:00	333	287	42	1	3
09:00	246	214	28	0	4
10:00	262	224	36	1	1
11:00	292	258	29	2	3
12:00	302	265	33	2	2
13:00	313	260	47	2	4
14:00	350	293	50	2	5
15:00	473	418	50	0	5
16:00	462	408	45	3	6
17:00	451	403	40	1	7
18:00	369	327	37	1	4
19:00	292	259	31	0	2
20:00	222	204	16	0	2
21:00	163	155	7	0	1
22:00	113	110	3	0	0
23:00	41	37	3	1	0
Total					
12H(7-19)	4040	3505	471	15	49
16H(6-22)	4809	4195	538	17	59
18H(6-24)	4963	4342	544	18	59
24H(0-24)	5054	4413	559	20	62
AM Peak	08:00 333	08:00 287	08:00 42	06:00 2	06:00 5
PM Peak	15:00 473	15:00 418	14:00 50	16:00 3	17:00 7

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	5	1	0	1
01:00	5	3	2	0	0
02:00	6	6	0	0	0
03:00	22	17	5	0	0
04:00	30	29	0	0	1
05:00	91	72	17	0	2
06:00	147	128	14	1	4
07:00	268	233	31	0	4
08:00	416	380	31	1	4
09:00	281	253	25	1	2
10:00	255	226	25	1	3
11:00	292	258	27	4	3
12:00	292	254	33	1	4
13:00	308	262	40	3	3
14:00	373	337	33	1	2
15:00	401	362	35	1	3
16:00	361	323	32	4	2
17:00	359	332	21	1	5
18:00	335	309	22	1	3
19:00	259	245	12	0	2
20:00	206	188	16	0	2
21:00	151	144	6	0	1
22:00	95	92	1	1	1
23:00	37	34	1	1	1
Total					
12H(7-19)	3941	3529	355	19	38
16H(6-22)	4704	4234	403	20	47
18H(6-24)	4836	4360	405	22	49
24H(0-24)	4997	4492	430	22	53
AM Peak	08:00 416	08:00 380	07:00 31	11:00 4	06:00 4
PM Peak	15:00 401	15:00 362	13:00 40	16:00 4	17:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	18	11	4	1	2
01:00	11	9	2	0	0
02:00	11	11	0	0	0
03:00	34	25	8	1	0
04:00	39	36	1	0	2
05:00	139	111	25	0	3
06:00	239	200	27	3	9
07:00	455	381	65	0	9
08:00	749	667	73	2	7
09:00	527	467	53	1	6
10:00	517	450	61	2	4
11:00	584	516	56	6	6
12:00	594	519	66	3	6
13:00	621	522	87	5	7
14:00	723	630	83	3	7
15:00	874	780	85	1	8
16:00	823	731	77	7	8
17:00	810	735	61	2	12
18:00	704	636	59	2	7
19:00	551	504	43	0	4
20:00	428	392	32	0	4
21:00	314	299	13	0	2
22:00	208	202	4	1	1
23:00	78	71	4	2	1
Total					
12H(7-19)	7981	7034	826	34	87
16H(6-22)	9513	8429	941	37	106
18H(6-24)	9799	8702	949	40	108
24H(0-24)	10051	8905	989	42	115
AM Peak	08:00 749	08:00 667	08:00 73	11:00 6	06:00 9
PM Peak	15:00 874	15:00 780	13:00 87	16:00 7	17:00 12

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	27	22	3	1	1
01:00	20	18	2	0	0
02:00	12	11	1	0	0
03:00	8	7	1	0	0
04:00	7	3	1	0	3
05:00	29	26	3	0	0
06:00	55	45	8	0	2
07:00	75	63	11	0	1
08:00	168	139	26	0	3
09:00	265	225	36	1	3
10:00	312	272	36	1	3
11:00	328	297	28	1	2
12:00	341	312	27	0	2
13:00	339	311	25	1	2
14:00	324	289	30	2	3
15:00	290	265	21	2	2
16:00	256	225	29	0	2
17:00	283	266	15	1	1
18:00	271	245	24	0	2
19:00	224	211	12	0	1
20:00	192	177	13	0	2
21:00	142	132	8	1	1
22:00	120	111	8	0	1
23:00	66	58	7	0	1
Total					
12H(7-19)	3252	2909	308	9	26
16H(6-22)	3865	3474	349	10	32
18H(6-24)	4051	3643	364	10	34
24H(0-24)	4154	3730	375	11	38
AM Peak	11:00 328	11:00 297	09:00 36	00:00 1	04:00 3
PM Peak	12:00 341	12:00 312	14:00 30	14:00 2	14:00 3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	19	15	3	0	1
01:00	13	11	2	0	0
02:00	7	7	0	0	0
03:00	7	7	0	0	0
04:00	14	11	2	0	1
05:00	41	37	2	0	2
06:00	66	56	8	0	2
07:00	120	98	19	0	3
08:00	255	231	21	1	2
09:00	303	276	22	2	3
10:00	327	299	23	2	3
11:00	323	296	23	2	2
12:00	351	325	24	0	2
13:00	298	276	19	1	2
14:00	287	269	15	1	2
15:00	267	248	19	0	0
16:00	233	208	23	0	2
17:00	258	246	12	0	0
18:00	232	219	11	0	2
19:00	227	213	13	0	1
20:00	159	148	10	0	1
21:00	129	125	3	0	1
22:00	129	124	4	0	1
23:00	49	46	2	0	1
Total					
12H(7-19)	3254	2991	231	9	23
16H(6-22)	3835	3533	265	9	28
18H(6-24)	4013	3703	271	9	30
24H(0-24)	4114	3791	280	9	34
AM Peak	10:00 327	10:00 299	10:00 23	09:00 2	07:00 3
PM Peak	12:00 351	12:00 325	12:00 24	13:00 1	12:00 2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	46	37	6	1	2
01:00	33	29	4	0	0
02:00	19	18	1	0	0
03:00	15	14	1	0	0
04:00	21	14	3	0	4
05:00	70	63	5	0	2
06:00	121	101	16	0	4
07:00	195	161	30	0	4
08:00	423	370	47	1	5
09:00	568	501	58	3	6
10:00	639	571	59	3	6
11:00	651	593	51	3	4
12:00	692	637	51	0	4
13:00	637	587	44	2	4
14:00	611	558	45	3	5
15:00	557	513	40	2	2
16:00	489	433	52	0	4
17:00	541	512	27	1	1
18:00	503	464	35	0	4
19:00	451	424	25	0	2
20:00	351	325	23	0	3
21:00	271	257	11	1	2
22:00	249	235	12	0	2
23:00	115	104	9	0	2
Total					
12H(7-19)	6506	5900	539	18	49
16H(6-22)	7700	7007	614	19	60
18H(6-24)	8064	7346	635	19	64
24H(0-24)	8268	7521	655	20	72
AM Peak	11:00 651	11:00 593	10:00 59	09:00 3	09:00 6
PM Peak	12:00 692	12:00 637	16:00 52	14:00 3	14:00 5

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

11/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	30	28	2	0	0
01:00	13	13	0	0	0
02:00	6	5	1	0	0
03:00	7	6	1	0	0
04:00	7	6	1	0	0
05:00	26	23	3	0	0
06:00	28	21	6	1	0
07:00	53	46	7	0	0
08:00	155	131	23	0	1
09:00	156	136	18	1	1
10:00	250	232	17	0	1
11:00	276	260	14	0	2
12:00	291	272	17	1	1
13:00	315	281	31	2	1
14:00	283	254	27	0	2
15:00	269	248	19	0	2
16:00	261	236	22	0	3
17:00	229	207	21	0	1
18:00	228	212	15	0	1
19:00	217	194	20	1	2
20:00	155	147	7	1	0
21:00	101	95	6	0	0
22:00	77	68	9	0	0
23:00	21	18	3	0	0
Total					
12H(7-19)	2766	2515	231	4	16
16H(6-22)	3267	2972	270	7	18
18H(6-24)	3365	3058	282	7	18
24H(0-24)	3454	3139	290	7	18
AM Peak	11:00 276	11:00 260	08:00 23	06:00 1	11:00 2
PM Peak	13:00 315	13:00 281	13:00 31	13:00 2	16:00 3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	28	25	2	0	1
01:00	10	10	0	0	0
02:00	7	6	1	0	0
03:00	6	6	0	0	0
04:00	14	13	0	1	0
05:00	26	24	2	0	0
06:00	53	49	4	0	0
07:00	74	68	5	1	0
08:00	135	126	8	0	1
09:00	179	167	10	1	1
10:00	273	251	21	0	1
11:00	327	312	14	0	1
12:00	308	291	16	0	1
13:00	319	303	15	0	1
14:00	219	206	12	0	1
15:00	219	192	23	1	3
16:00	219	199	19	0	1
17:00	282	253	27	1	1
18:00	203	192	11	0	0
19:00	166	156	10	0	0
20:00	143	136	7	0	0
21:00	98	92	5	1	0
22:00	61	55	6	0	0
23:00	38	36	2	0	0
Total					
12H(7-19)	2757	2560	181	4	12
16H(6-22)	3217	2993	207	5	12
18H(6-24)	3316	3084	215	5	12
24H(0-24)	3407	3168	220	6	13
AM Peak	11:00 327	11:00 312	10:00 21	04:00 1	00:00 1
PM Peak	13:00 319	13:00 303	17:00 27	15:00 1	15:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	58	53	4	0	1
01:00	23	23	0	0	0
02:00	13	11	2	0	0
03:00	13	12	1	0	0
04:00	21	19	1	1	0
05:00	52	47	5	0	0
06:00	81	70	10	1	0
07:00	127	114	12	1	0
08:00	290	257	31	0	2
09:00	335	303	28	2	2
10:00	523	483	38	0	2
11:00	603	572	28	0	3
12:00	599	563	33	1	2
13:00	634	584	46	2	2
14:00	502	460	39	0	3
15:00	488	440	42	1	5
16:00	480	435	41	0	4
17:00	511	460	48	1	2
18:00	431	404	26	0	1
19:00	383	350	30	1	2
20:00	298	283	14	1	0
21:00	199	187	11	1	0
22:00	138	123	15	0	0
23:00	59	54	5	0	0
Total					
12H(7-19)	5523	5075	412	8	28
16H(6-22)	6484	5965	477	12	30
18H(6-24)	6681	6142	497	12	30
24H(0-24)	6861	6307	510	13	31
AM Peak	11:00 603	11:00 572	10:00 38	09:00 2	11:00 3
PM Peak	13:00 634	13:00 584	17:00 48	13:00 2	15:00 5

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	17	0	0	0
01:00	2	1	1	0	0
02:00	7	6	1	0	0
03:00	6	3	3	0	0
04:00	12	8	2	0	2
05:00	62	54	8	0	0
06:00	71	51	15	0	5
07:00	166	135	26	0	5
08:00	312	266	44	1	1
09:00	246	212	28	2	4
10:00	248	209	32	1	6
11:00	276	247	26	1	2
12:00	293	257	32	2	2
13:00	289	247	34	2	6
14:00	325	287	33	3	2
15:00	392	341	46	2	3
16:00	411	353	53	0	5
17:00	366	327	33	1	5
18:00	286	255	30	0	1
19:00	150	139	10	0	1
20:00	140	128	11	0	1
21:00	96	88	8	0	0
22:00	54	49	5	0	0
23:00	18	16	2	0	0
Total					
12H(7-19)	3610	3136	417	15	42
16H(6-22)	4067	3542	461	15	49
18H(6-24)	4139	3607	468	15	49
24H(0-24)	4245	3696	483	15	51
AM Peak	08:00 312	08:00 266	08:00 44	09:00 2	10:00 6
PM Peak	16:00 411	16:00 353	16:00 53	14:00 3	13:00 6

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	11	1	0	0
01:00	6	5	1	0	0
02:00	5	5	0	0	0
03:00	11	7	4	0	0
04:00	40	35	4	0	1
05:00	97	82	14	0	1
06:00	179	151	23	0	5
07:00	283	256	23	2	2
08:00	444	407	34	0	3
09:00	292	255	34	0	3
10:00	244	211	28	2	3
11:00	262	230	26	4	2
12:00	253	220	26	4	3
13:00	266	241	19	3	3
14:00	303	266	32	3	2
15:00	329	287	38	0	4
16:00	315	284	28	0	3
17:00	284	259	19	1	5
18:00	299	271	27	1	0
19:00	154	145	8	0	1
20:00	125	115	10	0	0
21:00	96	89	6	0	1
22:00	48	46	2	0	0
23:00	14	13	1	0	0
Total					
12H(7-19)	3574	3187	334	20	33
16H(6-22)	4128	3687	381	20	40
18H(6-24)	4190	3746	384	20	40
24H(0-24)	4361	3891	408	20	42
AM Peak	08:00 444	08:00 407	08:00 34	11:00 4	06:00 5
PM Peak	15:00 329	15:00 287	15:00 38	12:00 4	17:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	29	28	1	0	0
01:00	8	6	2	0	0
02:00	12	11	1	0	0
03:00	17	10	7	0	0
04:00	52	43	6	0	3
05:00	159	136	22	0	1
06:00	250	202	38	0	10
07:00	449	391	49	2	7
08:00	756	673	78	1	4
09:00	538	467	62	2	7
10:00	492	420	60	3	9
11:00	538	477	52	5	4
12:00	546	477	58	6	5
13:00	555	488	53	5	9
14:00	628	553	65	6	4
15:00	721	628	84	2	7
16:00	726	637	81	0	8
17:00	650	586	52	2	10
18:00	585	526	57	1	1
19:00	304	284	18	0	2
20:00	265	243	21	0	1
21:00	192	177	14	0	1
22:00	102	95	7	0	0
23:00	32	29	3	0	0
Total					
12H(7-19)	7184	6323	751	35	75
16H(6-22)	8195	7229	842	35	89
18H(6-24)	8329	7353	852	35	89
24H(0-24)	8606	7587	891	35	93
AM Peak	08:00 756	08:00 673	08:00 78	11:00 5	06:00 10
PM Peak	16:00 726	16:00 637	15:00 84	12:00 6	17:00 10

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	19	49.1	41.3	7.5	0	0	1	2	6	4	3	3	0	0	0	0
01:00	6	49.8	42.5	7.1	0	0	0	1	1	2	1	1	0	0	0	0
02:00	8	57.3	41.9	14.9	0	0	1	1	3	1	1	0	0	0	1	0
03:00	4	49.8	38.1	11.3	0	0	1	1	0	0	2	0	0	0	0	0
04:00	10	44.7	36.8	7.6	0	0	1	4	2	2	0	1	0	0	0	0
05:00	57	45.2	37.9	7.0	0	1	4	10	20	19	1	0	2	0	0	0
06:00	88	42.7	38.0	4.6	0	0	1	18	48	15	4	2	0	0	0	0
07:00	164	41.6	36.5	4.9	0	0	10	49	70	29	6	0	0	0	0	0
08:00	310	41.2	35.5	5.6	0	4	29	93	138	36	9	1	0	0	0	0
09:00	202	41.4	36.2	5.0	0	2	9	65	91	28	7	0	0	0	0	0
10:00	233	41.5	35.9	5.4	0	2	16	69	113	26	3	3	1	0	0	0
11:00	257	42.3	36.4	5.6	0	2	20	66	111	48	7	3	0	0	0	0
12:00	285	41.1	36.5	4.4	0	0	13	79	147	38	7	1	0	0	0	0
13:00	258	42.1	36.0	5.9	0	2	25	69	122	25	10	4	1	0	0	0
14:00	338	41.6	36.1	5.3	0	0	30	97	148	49	12	2	0	0	0	0
15:00	420	40.6	35.2	5.2	0	4	38	146	175	48	9	0	0	0	0	0
16:00	383	42.8	36.9	5.7	0	3	16	109	173	62	13	1	5	1	0	0
17:00	424	42.4	37.5	4.7	0	0	15	86	221	86	12	3	0	1	0	0
18:00	316	43.2	37.6	5.5	0	1	15	71	136	74	15	3	0	1	0	0
19:00	236	43.9	38.7	5.0	0	0	2	44	111	61	12	4	1	1	0	0
20:00	161	43.9	38.4	5.4	0	0	5	36	61	47	9	1	2	0	0	0
21:00	129	47.1	39.9	7.0	0	1	3	21	47	36	11	5	4	1	0	0
22:00	57	44.7	38.7	5.8	0	0	3	9	23	16	4	2	0	0	0	0
23:00	23	49.1	39.3	9.4	0	1	1	2	10	5	2	1	0	1	0	0
Total																
2H(10-12)	490	41.9	36.2	5.5	0	4	36	135	224	74	10	6	1	0	0	0
2H(14-16)	758	41.1	35.6	5.3	0	4	68	243	323	97	21	2	0	0	0	0
12H(7-19)	3590	41.9	36.4	5.3	0	20	236	999	1645	549	110	21	7	3	0	0
24H(0-24)	4388	42.6	36.8	5.6	0	23	259	1148	1977	757	160	41	16	6	1	0
AM Peak	08:00	02:00	01:00	02:00	00:00	08:00	08:00	08:00	08:00	11:00	08:00	00:00	05:00	00:00	02:00	00:00
	310	57.3	42.5	14.9	0	4	29	93	138	48	9	3	2	0	1	0
PM Peak	17:00	23:00	21:00	23:00	12:00	15:00	15:00	15:00	17:00	17:00	18:00	21:00	16:00	16:00	12:00	12:00
	424	49.1	39.9	9.4	0	4	38	146	221	86	15	5	5	1	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	16	40.3	35.8	4.4	0	0	1	5	8	2	0	0	0	0	0	0
01:00	7	38.3	32.5	5.6	0	0	2	2	3	0	0	0	0	0	0	0
02:00	9	56.5	42.8	13.3	0	0	0	3	1	3	1	0	0	0	1	0
03:00	11	44.7	38.0	6.5	0	0	0	5	3	0	3	0	0	0	0	0
04:00	25	43.8	37.4	6.1	0	0	1	8	10	4	0	2	0	0	0	0
05:00	102	41.7	34.6	6.9	0	6	4	41	38	9	3	0	1	0	0	0
06:00	162	41.0	34.9	5.9	1	3	12	60	70	9	6	1	0	0	0	0
07:00	289	40.3	34.6	5.5	0	3	29	124	99	27	5	1	1	0	0	0
08:00	429	38.3	32.8	5.3	0	12	65	202	135	15	0	0	0	0	0	0
09:00	262	38.8	34.0	4.7	0	0	35	112	103	8	4	0	0	0	0	0
10:00	240	39.2	33.6	5.5	0	1	41	110	66	16	5	1	0	0	0	0
11:00	264	39.2	34.2	4.9	0	2	29	120	89	23	1	0	0	0	0	0
12:00	269	38.2	32.8	5.2	0	7	37	138	78	7	2	0	0	0	0	0
13:00	259	39.2	33.6	5.4	0	3	41	112	82	19	1	1	0	0	0	0
14:00	333	39.0	33.4	5.4	1	4	49	152	103	22	2	0	0	0	0	0
15:00	348	38.7	33.5	5.0	1	1	53	160	110	22	1	0	0	0	0	0
16:00	318	39.6	34.6	4.8	0	2	28	141	122	18	6	1	0	0	0	0
17:00	334	40.4	34.4	5.8	0	5	39	134	120	28	6	1	0	1	0	0
18:00	279	40.2	34.6	5.4	0	3	30	108	109	22	6	1	0	0	0	0
19:00	247	40.8	35.7	4.8	0	0	17	87	108	30	3	1	1	0	0	0
20:00	133	42.1	35.8	6.2	0	0	14	45	56	8	7	2	0	1	0	0
21:00	104	44.9	35.6	8.9	0	3	15	32	32	15	2	2	0	2	1	0
22:00	55	44.8	36.5	8.0	0	0	8	13	25	3	3	0	2	1	0	0
23:00	24	46.1	40.6	5.3	0	0	0	2	11	7	2	2	0	0	0	0
Total																
2H(10-12)	504	39.2	33.9	5.2	0	3	70	230	155	39	6	1	0	0	0	0
2H(14-16)	681	38.8	33.5	5.2	2	5	102	312	213	44	3	0	0	0	0	0
12H(7-19)	3624	39.3	33.8	5.3	2	43	476	1613	1216	227	39	6	1	1	0	0
24H(0-24)	4519	40.0	34.2	5.6	3	55	550	1916	1581	317	69	16	5	5	2	0
AM Peak	08:00	02:00	02:00	02:00	06:00	08:00	08:00	08:00	08:00	07:00	06:00	04:00	05:00	00:00	02:00	00:00
	429	56.5	42.8	13.3	1	12	65	202	135	27	6	2	1	0	1	0
PM Peak	15:00	23:00	23:00	21:00	14:00	12:00	15:00	15:00	16:00	19:00	20:00	20:00	22:00	21:00	21:00	12:00
	348	46.1	40.6	8.9	1	7	53	160	122	30	7	2	2	2	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	35	45.8	38.8	6.8	0	0	2	7	14	6	3	3	0	0	0	0
01:00	13	45.4	37.1	8.0	0	0	2	3	4	2	1	1	0	0	0	0
02:00	17	56.5	42.4	13.6	0	0	1	4	4	4	2	0	0	0	2	0
03:00	15	45.8	38.0	7.6	0	0	1	6	3	0	5	0	0	0	0	0
04:00	35	43.9	37.2	6.5	0	0	2	12	12	6	0	3	0	0	0	0
05:00	159	43.1	35.8	7.1	0	7	8	51	58	28	4	0	3	0	0	0
06:00	250	41.9	36.0	5.7	1	3	13	78	118	24	10	3	0	0	0	0
07:00	453	40.8	35.3	5.3	0	3	39	173	169	56	11	1	1	0	0	0
08:00	739	39.7	33.9	5.6	0	16	94	295	273	51	9	1	0	0	0	0
09:00	464	40.0	34.9	4.9	0	2	44	177	194	36	11	0	0	0	0	0
10:00	473	40.5	34.7	5.5	0	3	57	179	179	42	8	4	1	0	0	0
11:00	521	40.9	35.3	5.4	0	4	49	186	200	71	8	3	0	0	0	0
12:00	554	40.1	34.7	5.2	0	7	50	217	225	45	9	1	0	0	0	0
13:00	517	40.7	34.8	5.8	0	5	66	181	204	44	11	5	1	0	0	0
14:00	671	40.5	34.8	5.5	1	4	79	249	251	71	14	2	0	0	0	0
15:00	768	39.8	34.4	5.2	1	5	91	306	285	70	10	0	0	0	0	0
16:00	701	41.5	35.8	5.5	0	5	44	250	295	80	19	2	5	1	0	0
17:00	758	41.8	36.2	5.4	0	5	54	220	341	114	18	4	0	2	0	0
18:00	595	42.0	36.2	5.6	0	4	45	179	245	96	21	4	0	1	0	0
19:00	483	42.5	37.2	5.1	0	0	19	131	219	91	15	5	2	1	0	0
20:00	294	43.3	37.2	5.9	0	0	19	81	117	55	16	3	2	1	0	0
21:00	233	46.5	38.0	8.2	0	4	18	53	79	51	13	7	4	3	1	0
22:00	112	44.9	37.6	7.0	0	0	11	22	48	19	7	2	2	1	0	0
23:00	47	47.8	40.0	7.5	0	1	1	4	21	12	4	3	0	1	0	0
Total																
2H(10-12)	994	40.7	35.0	5.5	0	7	106	365	379	113	16	7	1	0	0	0
2H(14-16)	1439	40.1	34.6	5.3	2	9	170	555	536	141	24	2	0	0	0	0
12H(7-19)	7214	40.7	35.1	5.5	2	63	712	2612	2861	776	149	27	8	4	0	0
24H(0-24)	8907	41.4	35.5	5.7	3	78	809	3064	3558	1074	229	57	21	11	3	0
AM Peak	08:00	02:00	02:00	02:00	06:00	08:00	08:00	08:00	08:00	11:00	07:00	10:00	05:00	00:00	02:00	00:00
	739	56.5	42.4	13.6	1	16	94	295	273	71	11	4	3	0	2	0
PM Peak	15:00	23:00	23:00	21:00	14:00	12:00	15:00	15:00	17:00	17:00	18:00	21:00	16:00	21:00	21:00	12:00
	768	47.8	40.0	8.2	1	7	91	306	341	114	21	7	5	3	1	0

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	13	65.7	47.9	17.2	0	0	0	1	4	4	1	1	0	0	0	2
01:00	7	52.8	42.1	10.2	0	0	1	0	2	1	2	0	1	0	0	0
02:00	6	52.3	43.3	8.6	0	0	0	1	2	0	1	2	0	0	0	0
03:00	4	48.6	38.8	9.5	0	0	0	2	1	0	0	1	0	0	0	0
04:00	14	43.5	35.5	7.7	0	1	0	6	3	3	1	0	0	0	0	0
05:00	54	43.6	38.7	4.8	0	0	1	8	28	12	4	1	0	0	0	0
06:00	87	45.6	39.9	5.5	0	0	0	13	38	24	7	3	2	0	0	0
07:00	173	43.9	37.4	6.4	0	5	5	39	71	40	10	3	0	0	0	0
08:00	308	41.1	36.2	4.7	0	0	14	110	130	47	4	2	1	0	0	0
09:00	242	41.0	35.9	4.9	0	1	16	79	105	36	5	0	0	0	0	0
10:00	230	40.6	34.5	5.8	0	1	36	81	84	22	3	2	1	0	0	0
11:00	254	41.9	36.1	5.6	0	4	15	77	108	43	4	3	0	0	0	0
12:00	257	41.7	36.6	4.9	0	1	8	89	105	43	9	2	0	0	0	0
13:00	259	41.4	36.1	5.1	0	1	15	89	103	43	6	2	0	0	0	0
14:00	298	42.9	36.8	5.9	0	2	14	98	115	50	12	5	1	1	0	0
15:00	388	41.2	34.7	6.3	1	13	37	124	159	44	10	0	0	0	0	0
16:00	425	42.1	36.4	5.5	2	1	17	139	184	69	9	2	1	0	1	0
17:00	396	43.5	37.9	5.5	0	1	15	77	195	87	12	3	4	2	0	0
18:00	317	43.4	38.4	4.8	0	0	6	52	162	79	12	4	1	1	0	0
19:00	271	44.2	38.8	5.1	0	0	5	50	116	75	18	5	2	0	0	0
20:00	192	45.5	38.6	6.7	0	0	9	39	78	51	6	3	2	4	0	0
21:00	109	47.6	39.9	7.4	0	0	4	15	48	27	6	4	1	4	0	0
22:00	87	47.7	39.7	7.7	0	1	4	5	45	22	3	4	1	1	1	0
23:00	23	52.5	41.1	11.0	0	1	1	4	5	5	3	1	2	1	0	0
Total																
2H(10-12)	484	41.3	35.3	5.8	0	5	51	158	192	65	7	5	1	0	0	0
2H(14-16)	686	42.0	35.6	6.2	1	15	51	222	274	94	22	5	1	1	0	0
12H(7-19)	3547	42.2	36.4	5.6	3	30	198	1054	1521	603	96	28	9	4	1	0
24H(0-24)	4414	43.2	37.0	6.0	3	33	223	1198	1891	827	148	53	20	14	2	2
AM Peak	08:00	00:00	00:00	00:00	00:00	07:00	10:00	08:00	08:00	08:00	07:00	06:00	06:00	00:00	00:00	00:00
	308	65.7	47.9	17.2	0	5	36	110	130	47	10	3	2	0	0	2
PM Peak	16:00	23:00	23:00	23:00	16:00	15:00	15:00	16:00	17:00	17:00	19:00	14:00	17:00	20:00	16:00	12:00
	425	52.5	41.1	11.0	2	13	37	139	195	87	18	5	4	4	1	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	9	66.8	47.2	18.9	0	0	1	2	1	1	0	2	0	1	0	1
01:00	8	42.7	35.0	7.4	0	0	2	1	4	0	1	0	0	0	0	0
02:00	7	50.8	43.2	7.3	0	0	0	1	2	0	3	1	0	0	0	0
03:00	9	47.8	37.5	9.9	0	0	2	1	3	2	0	0	1	0	0	0
04:00	31	43.5	35.2	8.1	1	1	2	8	10	9	0	0	0	0	0	0
05:00	99	42.5	36.2	6.1	0	3	3	28	50	9	4	2	0	0	0	0
06:00	161	42.4	35.6	6.6	3	1	11	46	74	19	6	0	1	0	0	0
07:00	270	40.6	35.0	5.4	0	4	25	96	108	35	1	1	0	0	0	0
08:00	417	37.9	32.5	5.2	1	6	80	201	117	11	0	1	0	0	0	0
09:00	266	38.9	34.0	4.7	0	1	32	124	89	19	1	0	0	0	0	0
10:00	259	38.1	32.4	5.5	0	2	68	100	81	3	5	0	0	0	0	0
11:00	253	39.9	34.0	5.7	0	2	41	97	91	18	3	0	0	1	0	0
12:00	256	41.6	34.6	6.8	0	2	32	106	97	9	6	1	0	0	3	0
13:00	259	39.4	34.1	5.2	0	2	33	117	81	22	4	0	0	0	0	0
14:00	276	39.7	33.9	5.6	1	2	42	112	90	26	3	0	0	0	0	0
15:00	330	38.4	32.7	5.5	0	2	77	145	82	20	3	1	0	0	0	0
16:00	340	40.1	35.0	5.0	1	1	25	146	128	33	4	2	0	0	0	0
17:00	371	41.1	35.1	5.8	0	7	29	142	141	40	9	1	2	0	0	0
18:00	265	41.6	36.2	5.2	0	1	19	78	116	43	5	3	0	0	0	0
19:00	234	41.2	35.5	5.5	0	1	20	89	85	27	11	1	0	0	0	0
20:00	186	42.5	36.1	6.2	0	1	18	56	75	23	8	4	1	0	0	0
21:00	104	43.1	36.1	6.7	0	1	11	36	30	15	9	2	0	0	0	0
22:00	53	49.9	40.0	9.6	0	0	2	12	21	10	1	4	1	0	2	0
23:00	35	43.9	37.1	6.5	0	0	3	9	15	4	2	2	0	0	0	0
Total																
2H(10-12)	512	39.0	33.2	5.7	0	4	109	197	172	21	8	0	0	1	0	0
2H(14-16)	606	39.0	33.2	5.6	1	4	119	257	172	46	6	1	0	0	0	0
12H(7-19)	3562	39.9	34.1	5.6	3	32	503	1464	1221	279	44	10	2	1	3	0
24H(0-24)	4498	40.7	34.5	5.9	7	40	578	1753	1591	398	89	28	6	2	5	1
AM Peak	08:00	00:00	00:00	00:00	06:00	08:00	08:00	08:00	08:00	07:00	06:00	00:00	03:00	00:00	00:00	00:00
	417	66.8	47.2	18.9	3	6	80	201	117	35	6	2	1	1	0	1
PM Peak	17:00	22:00	22:00	22:00	14:00	17:00	15:00	16:00	17:00	18:00	19:00	20:00	17:00	12:00	12:00	12:00
	371	49.9	40.0	9.6	1	7	77	146	141	43	11	4	2	0	3	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	22	65.7	47.6	17.5	0	0	1	3	5	5	1	3	0	1	0	3
01:00	15	48.0	38.3	9.3	0	0	3	1	6	1	3	0	1	0	0	0
02:00	13	51.1	43.3	7.6	0	0	0	2	4	0	4	3	0	0	0	0
03:00	13	47.6	37.9	9.4	0	0	2	3	4	2	0	1	1	0	0	0
04:00	45	43.4	35.3	7.9	1	2	2	14	13	12	1	0	0	0	0	0
05:00	153	43.0	37.1	5.7	0	3	4	36	78	21	8	3	0	0	0	0
06:00	248	43.9	37.1	6.5	3	1	11	59	112	43	13	3	3	0	0	0
07:00	443	42.0	35.9	5.9	0	9	30	135	179	75	11	4	0	0	0	0
08:00	725	39.6	34.1	5.3	1	6	94	311	247	58	4	3	1	0	0	0
09:00	508	40.0	34.9	4.9	0	2	48	203	194	55	6	0	0	0	0	0
10:00	489	39.4	33.4	5.8	0	3	104	181	165	25	8	2	1	0	0	0
11:00	507	41.0	35.0	5.7	0	6	56	174	199	61	7	3	0	1	0	0
12:00	513	41.8	35.6	6.0	0	3	40	195	202	52	15	3	0	0	3	0
13:00	518	40.5	35.1	5.3	0	3	48	206	184	65	10	2	0	0	0	0
14:00	574	41.5	35.4	5.9	1	4	56	210	205	76	15	5	1	1	0	0
15:00	718	40.0	33.8	6.0	1	15	114	269	241	64	13	1	0	0	0	0
16:00	765	41.3	35.8	5.3	3	2	42	285	312	102	13	4	1	0	1	0
17:00	767	42.5	36.5	5.8	0	8	44	219	336	127	21	4	6	2	0	0
18:00	582	42.7	37.4	5.1	0	1	25	130	278	122	17	7	1	1	0	0
19:00	505	43.0	37.3	5.5	0	1	25	139	201	102	29	6	2	0	0	0
20:00	378	44.1	37.4	6.5	0	1	27	95	153	74	14	7	3	4	0	0
21:00	213	45.6	38.0	7.3	0	1	15	51	78	42	15	6	1	4	0	0
22:00	140	48.5	39.8	8.4	0	1	6	17	66	32	4	8	2	1	3	0
23:00	58	47.7	38.7	8.7	0	1	4	13	20	9	5	3	2	1	0	0
Total																
2H(10-12)	996	40.2	34.2	5.8	0	9	160	355	364	86	15	5	1	1	0	0
2H(14-16)	1292	40.7	34.5	6.0	2	19	170	479	446	140	28	6	1	1	0	0
12H(7-19)	7109	41.2	35.2	5.7	6	62	701	2518	2742	882	140	38	11	5	4	0
24H(0-24)	8912	42.0	35.7	6.1	10	73	801	2951	3482	1225	237	81	26	16	7	3
AM Peak	08:00	00:00	00:00	00:00	06:00	07:00	10:00	08:00	08:00	07:00	06:00	07:00	06:00	00:00	00:00	00:00
	725	65.7	47.6	17.5	3	9	104	311	247	75	13	4	3	1	0	3
PM Peak	17:00	22:00	22:00	23:00	16:00	15:00	15:00	16:00	17:00	17:00	19:00	22:00	17:00	20:00	12:00	12:00
	767	48.5	39.8	8.7	3	15	114	285	336	127	29	8	6	4	3	0

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	14	46.1	41.4	4.5	0	0	0	1	4	6	3	0	0	0	0	0
01:00	7	51.9	44.6	7.0	0	0	0	0	2	2	2	0	1	0	0	0
02:00	6	49.7	40.4	9.0	0	0	1	0	1	3	0	1	0	0	0	0
03:00	6	53.5	45.0	8.2	0	0	0	1	1	0	2	2	0	0	0	0
04:00	9	49.4	40.8	8.3	0	0	0	3	2	1	1	2	0	0	0	0
05:00	57	45.5	39.3	6.1	0	0	2	13	14	20	7	0	1	0	0	0
06:00	90	45.7	40.0	5.5	0	0	1	13	33	29	13	0	0	1	0	0
07:00	172	42.5	36.9	5.4	0	0	13	36	83	35	4	0	0	1	0	0
08:00	309	40.9	35.0	5.7	1	4	21	129	118	22	11	3	0	0	0	0
09:00	224	41.3	36.1	5.1	0	2	11	74	100	29	7	1	0	0	0	0
10:00	233	41.1	36.0	4.9	0	0	12	89	96	25	9	2	0	0	0	0
11:00	266	41.6	36.3	5.1	0	1	16	85	113	39	11	1	0	0	0	0
12:00	280	42.2	36.8	5.2	0	0	16	73	139	39	9	2	1	1	0	0
13:00	311	42.4	36.9	5.2	0	1	14	87	139	56	9	3	2	0	0	0
14:00	306	41.9	36.7	5.0	1	0	14	86	139	57	7	2	0	0	0	0
15:00	446	40.8	35.4	5.2	2	0	32	168	186	45	10	2	1	0	0	0
16:00	432	43.2	37.5	5.5	0	4	17	77	225	92	10	3	2	2	0	0
17:00	431	44.2	38.0	6.0	0	0	15	88	214	84	17	10	1	0	0	2
18:00	309	44.9	38.5	6.2	0	7	6	42	142	87	18	4	2	1	0	0
19:00	271	43.5	38.0	5.3	0	0	9	62	115	65	14	4	2	0	0	0
20:00	198	44.7	39.2	5.3	0	1	2	27	92	58	12	4	1	1	0	0
21:00	141	46.1	39.0	6.8	1	0	2	22	72	27	13	1	0	2	1	0
22:00	85	47.8	40.0	7.5	0	0	0	22	29	21	4	5	1	3	0	0
23:00	33	50.4	43.0	7.1	0	0	0	4	6	13	6	2	1	1	0	0
Total																
2H(10-12)	499	41.4	36.1	5.0	0	1	28	174	209	64	20	3	0	0	0	0
2H(14-16)	752	41.3	35.9	5.1	3	0	46	254	325	102	17	4	1	0	0	0
12H(7-19)	3719	42.4	36.7	5.5	4	19	187	1034	1694	610	122	33	9	5	0	2
24H(0-24)	4636	43.2	37.2	5.7	5	20	204	1202	2065	855	199	54	16	13	1	2
AM Peak	08:00	03:00	03:00	02:00	08:00	08:00	08:00	08:00	08:00	11:00	06:00	08:00	01:00	06:00	00:00	00:00
	309	53.5	45.0	9.0	1	4	21	129	118	39	13	3	1	1	0	0
PM Peak	15:00	23:00	23:00	22:00	15:00	18:00	15:00	15:00	16:00	16:00	18:00	17:00	13:00	22:00	21:00	17:00
	446	50.4	43.0	7.5	2	7	32	168	225	92	18	10	2	3	1	2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	11	44.7	36.8	7.6	0	0	1	5	1	3	0	1	0	0	0	0
01:00	9	49.1	38.6	10.2	0	0	2	1	2	2	0	2	0	0	0	0
02:00	1	-	32.5	-	0	0	0	1	0	0	0	0	0	0	0	0
03:00	7	48.5	39.6	8.6	0	0	0	2	3	1	0	0	1	0	0	0
04:00	29	47.2	37.5	9.4	1	0	1	8	11	3	4	0	0	1	0	0
05:00	103	44.7	35.9	8.5	1	3	7	30	42	15	3	0	1	0	0	1
06:00	161	42.2	36.9	5.1	0	0	7	50	69	24	9	2	0	0	0	0
07:00	285	42.1	35.2	6.6	1	3	26	103	120	22	5	1	0	3	1	0
08:00	422	37.3	32.4	4.7	0	3	78	235	91	14	1	0	0	0	0	0
09:00	242	38.4	33.6	4.6	1	2	21	131	79	6	2	0	0	0	0	0
10:00	265	38.0	33.5	4.3	0	2	24	157	67	14	1	0	0	0	0	0
11:00	265	38.7	33.3	5.2	0	3	44	117	84	16	1	0	0	0	0	0
12:00	254	40.6	34.7	5.7	0	0	32	98	101	16	4	2	0	0	1	0
13:00	308	38.5	33.8	4.6	0	1	38	151	101	14	3	0	0	0	0	0
14:00	336	40.1	34.5	5.4	2	1	34	147	117	29	4	1	1	0	0	0
15:00	359	38.4	32.8	5.4	1	3	71	170	89	23	2	0	0	0	0	0
16:00	323	40.1	35.3	4.7	0	0	27	120	139	31	6	0	0	0	0	0
17:00	364	41.2	35.3	5.7	0	4	34	124	153	37	7	4	1	0	0	0
18:00	322	41.4	36.6	4.6	0	0	8	104	160	39	7	2	1	1	0	0
19:00	228	42.7	37.4	5.2	0	0	6	70	96	38	14	3	1	0	0	0
20:00	177	41.6	36.2	5.2	0	0	11	65	63	32	3	3	0	0	0	0
21:00	127	41.9	35.7	6.0	0	0	12	48	49	10	5	2	0	1	0	0
22:00	66	41.2	36.1	4.9	0	0	2	28	26	6	3	1	0	0	0	0
23:00	36	47.0	39.7	7.0	0	0	2	5	14	8	4	2	1	0	0	0
Total																
2H(10-12)	530	38.4	33.4	4.8	0	5	68	274	151	30	2	0	0	0	0	0
2H(14-16)	695	39.3	33.6	5.5	3	4	105	317	206	52	6	1	1	0	0	0
12H(7-19)	3745	39.7	34.2	5.3	5	22	437	1657	1301	261	43	10	3	4	2	0
24H(0-24)	4700	40.5	34.7	5.6	7	25	488	1970	1677	403	88	26	7	6	2	1
AM Peak	08:00	01:00	03:00	01:00	04:00	05:00	08:00	08:00	07:00	06:00	06:00	01:00	03:00	07:00	07:00	05:00
	422	49.1	39.6	10.2	1	3	78	235	120	24	9	2	1	3	1	1
PM Peak	17:00	23:00	23:00	23:00	14:00	17:00	15:00	15:00	18:00	18:00	19:00	17:00	14:00	18:00	12:00	12:00
	364	47.0	39.7	7.0	2	4	71	170	160	39	14	4	1	1	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	25	46.0	39.4	6.3	0	0	1	6	5	9	3	1	0	0	0	0
01:00	16	50.8	41.3	9.2	0	0	2	1	4	4	2	2	1	0	0	0
02:00	7	48.3	39.3	8.7	0	0	1	1	1	3	0	1	0	0	0	0
03:00	13	51.0	42.1	8.5	0	0	0	3	4	1	2	2	1	0	0	0
04:00	38	47.8	38.3	9.1	1	0	1	11	13	4	5	2	0	1	0	0
05:00	160	45.2	37.1	7.8	1	3	9	43	56	35	10	0	2	0	0	1
06:00	251	43.7	38.0	5.5	0	0	8	63	102	53	22	2	0	1	0	0
07:00	457	42.3	35.9	6.2	1	3	39	139	203	57	9	1	0	4	1	0
08:00	731	39.0	33.5	5.3	1	7	99	364	209	36	12	3	0	0	0	0
09:00	466	40.0	34.8	5.0	1	4	32	205	179	35	9	1	0	0	0	0
10:00	498	39.6	34.7	4.8	0	2	36	246	163	39	10	2	0	0	0	0
11:00	531	40.4	34.8	5.4	0	4	60	202	197	55	12	1	0	0	0	0
12:00	534	41.6	35.8	5.5	0	0	48	171	240	55	13	4	1	1	1	0
13:00	619	40.7	35.4	5.2	0	2	52	238	240	70	12	3	2	0	0	0
14:00	642	41.1	35.5	5.3	3	1	48	233	256	86	11	3	1	0	0	0
15:00	805	39.9	34.2	5.4	3	3	103	338	275	68	12	2	1	0	0	0
16:00	755	42.0	36.6	5.3	0	4	44	197	364	123	16	3	2	2	0	0
17:00	795	43.0	36.8	6.0	0	4	49	212	367	121	24	14	2	0	0	2
18:00	631	43.2	37.5	5.5	0	7	14	146	302	126	25	6	3	2	0	0
19:00	499	43.2	37.7	5.3	0	0	15	132	211	103	28	7	3	0	0	0
20:00	375	43.5	37.8	5.5	0	1	13	92	155	90	15	7	1	1	0	0
21:00	268	44.3	37.4	6.7	1	0	14	70	121	37	18	3	0	3	1	0
22:00	151	45.3	38.3	6.8	0	0	2	50	55	27	7	6	1	3	0	0
23:00	69	48.8	41.3	7.2	0	0	2	9	20	21	10	4	2	1	0	0
Total																
2H(10-12)	1029	40.0	34.7	5.1	0	6	96	448	360	94	22	3	0	0	0	0
2H(14-16)	1447	40.4	34.8	5.4	6	4	151	571	531	154	23	5	2	0	0	0
12H(7-19)	7464	41.2	35.5	5.5	9	41	624	2691	2995	871	165	43	12	9	2	2
24H(0-24)	9336	42.0	36.0	5.8	12	45	692	3172	3742	1258	287	80	23	19	3	3
AM Peak	08:00	03:00	03:00	01:00	04:00	08:00	08:00	08:00	08:00	07:00	06:00	08:00	05:00	07:00	07:00	05:00
	731	51.0	42.1	9.2	1	7	99	364	209	57	22	3	2	4	1	1
PM Peak	15:00	23:00	23:00	23:00	14:00	18:00	15:00	15:00	17:00	18:00	19:00	17:00	18:00	21:00	12:00	17:00
	805	48.8	41.3	7.2	3	7	103	338	367	126	28	14	3	3	1	2

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	11	49.3	40.5	8.6	0	0	1	1	4	2	2	0	1	0	0	0
01:00	6	45.8	42.5	3.2	0	0	0	0	1	4	1	0	0	0	0	0
02:00	5	55.2	44.5	10.4	0	0	0	1	1	1	0	1	1	0	0	0
03:00	12	46.2	38.3	7.6	0	0	2	0	5	4	0	1	0	0	0	0
04:00	9	40.1	36.9	3.0	0	0	0	2	6	1	0	0	0	0	0	0
05:00	48	47.1	39.4	7.4	0	1	2	8	14	14	5	4	0	0	0	0
06:00	92	44.6	39.0	5.4	0	0	3	13	41	25	8	1	1	0	0	0
07:00	187	43.1	37.4	5.5	0	0	10	45	82	36	11	2	1	0	0	0
08:00	333	41.2	35.9	5.0	0	3	22	92	169	38	8	1	0	0	0	0
09:00	246	40.4	34.3	5.9	0	3	29	107	85	16	4	1	0	0	1	0
10:00	262	41.1	36.0	4.9	0	0	16	95	109	31	9	2	0	0	0	0
11:00	292	42.0	36.1	5.6	0	1	22	100	110	45	10	2	2	0	0	0
12:00	302	43.2	37.9	5.1	0	0	5	76	137	67	13	2	1	0	1	0
13:00	313	42.7	36.6	5.9	1	3	19	73	157	47	8	2	2	1	0	0
14:00	350	43.3	37.6	5.5	0	1	11	94	146	74	17	5	1	1	0	0
15:00	473	41.6	35.6	5.8	0	5	47	150	183	70	17	0	1	0	0	0
16:00	462	42.9	37.7	5.0	0	0	10	116	220	90	18	4	2	2	0	0
17:00	451	44.0	38.5	5.4	0	0	6	84	231	95	26	5	1	2	0	1
18:00	369	44.0	38.9	4.9	0	1	2	62	170	103	21	9	1	0	0	0
19:00	292	45.3	39.4	5.7	0	0	3	52	121	80	27	4	2	3	0	0
20:00	222	46.3	40.1	6.0	0	0	3	30	89	65	26	4	2	3	0	0
21:00	163	48.9	40.1	8.5	0	0	6	25	68	40	12	3	4	3	0	2
22:00	113	44.8	38.6	6.0	0	1	3	22	46	28	8	5	0	0	0	0
23:00	41	52.7	41.0	11.3	0	0	2	8	16	4	7	1	1	0	1	1
Total																
2H(10-12)	554	41.6	36.1	5.3	0	1	38	195	219	76	19	4	2	0	0	0
2H(14-16)	823	42.4	36.4	5.7	0	6	58	244	329	144	34	5	2	1	0	0
12H(7-19)	4040	42.7	37.0	5.5	1	17	199	1094	1799	712	162	35	12	6	2	1
24H(0-24)	5054	43.6	37.5	5.9	1	19	224	1256	2211	980	258	59	24	15	3	4
AM Peak	08:00	02:00	02:00	02:00	00:00	08:00	09:00	09:00	08:00	11:00	07:00	05:00	11:00	00:00	09:00	00:00
	333	55.2	44.5	10.4	0	3	29	107	169	45	11	4	2	0	1	0
PM Peak	15:00	23:00	23:00	23:00	13:00	15:00	15:00	15:00	17:00	18:00	19:00	18:00	21:00	19:00	12:00	21:00
	473	52.7	41.0	11.3	1	5	47	150	231	103	27	9	4	3	1	2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	7	41.5	35.7	5.5	0	0	1	1	4	1	0	0	0	0	0	0
01:00	5	58.7	48.0	10.4	0	0	0	0	1	1	2	0	0	1	0	0
02:00	6	54.9	40.8	13.6	0	0	1	1	1	2	0	0	0	1	0	0
03:00	22	42.1	36.4	5.5	0	0	2	4	14	1	0	1	0	0	0	0
04:00	30	46.6	39.9	6.4	0	0	1	6	7	11	4	0	1	0	0	0
05:00	91	44.8	37.8	6.7	0	1	3	24	38	16	4	2	3	0	0	0
06:00	147	42.8	36.7	5.9	0	0	12	41	62	23	4	4	1	0	0	0
07:00	268	40.7	35.1	5.5	0	0	33	99	96	31	7	2	0	0	0	0
08:00	416	38.7	33.5	5.0	1	3	56	197	134	24	0	1	0	0	0	0
09:00	281	36.2	31.1	4.9	0	0	94	128	54	5	0	0	0	0	0	0
10:00	255	38.7	33.8	4.8	0	1	32	124	83	12	2	1	0	0	0	0
11:00	292	39.1	34.4	4.5	0	1	26	134	112	15	4	0	0	0	0	0
12:00	292	41.0	34.6	6.1	0	8	29	107	113	25	7	3	0	0	0	0
13:00	308	41.2	34.5	6.4	1	4	42	108	117	27	6	0	1	2	0	0
14:00	373	39.8	34.2	5.5	0	0	50	162	137	18	4	1	0	0	0	1
15:00	401	38.5	33.1	5.3	0	4	71	189	113	19	4	1	0	0	0	0
16:00	361	40.5	35.1	5.2	0	2	39	113	169	29	7	2	0	0	0	0
17:00	359	41.5	36.2	5.2	0	0	23	103	182	44	6	0	0	0	0	1
18:00	335	42.9	37.4	5.3	0	2	11	76	166	61	15	2	1	1	0	0
19:00	259	42.7	37.2	5.3	0	1	10	73	111	47	14	2	1	0	0	0
20:00	206	45.0	37.5	7.2	0	5	8	46	93	34	14	4	1	0	0	1
21:00	151	44.6	37.5	6.8	0	2	6	42	58	29	10	2	1	0	1	0
22:00	95	42.6	36.5	5.8	0	0	7	33	32	16	5	2	0	0	0	0
23:00	37	46.3	38.8	7.2	0	0	2	8	14	7	5	0	0	1	0	0
Total																
2H(10-12)	547	38.9	34.1	4.6	0	2	58	258	195	27	6	1	0	0	0	0
2H(14-16)	774	39.2	33.6	5.4	0	4	121	351	250	37	8	2	0	0	0	1
12H(7-19)	3941	40.1	34.4	5.5	2	25	506	1540	1476	310	62	13	2	3	0	2
24H(0-24)	4997	41.1	35.1	5.8	2	34	559	1819	1911	498	124	30	10	6	1	3
AM Peak	08:00	01:00	01:00	02:00	08:00	08:00	09:00	08:00	08:00	07:00	07:00	06:00	05:00	01:00	00:00	00:00
	416	58.7	48.0	13.6	1	3	94	197	134	31	7	4	3	1	0	0
PM Peak	15:00	23:00	23:00	20:00	13:00	12:00	15:00	15:00	17:00	18:00	18:00	20:00	13:00	13:00	21:00	14:00
	401	46.3	38.8	7.2	1	8	71	189	182	61	15	4	1	2	1	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<70	Bin 11 70<80	Bin 12 >=80
00:00	18	46.6	38.6	7.7	0	0	2	2	8	3	2	0	1	0	0	0
01:00	11	52.8	45.0	7.5	0	0	0	0	2	5	3	0	0	1	0	0
02:00	11	54.7	42.5	11.8	0	0	1	2	2	3	0	1	1	1	0	0
03:00	34	43.5	37.1	6.3	0	0	4	4	19	5	0	2	0	0	0	0
04:00	39	45.4	39.2	5.9	0	0	1	8	13	12	4	0	1	0	0	0
05:00	139	45.6	38.4	7.0	0	2	5	32	52	30	9	6	3	0	0	0
06:00	239	43.6	37.6	5.8	0	0	15	54	103	48	12	5	2	0	0	0
07:00	455	41.8	36.0	5.6	0	0	43	144	178	67	18	4	1	0	0	0
08:00	749	40.0	34.6	5.2	1	6	78	289	303	62	8	2	0	0	0	0
09:00	527	38.4	32.6	5.6	0	3	123	235	139	21	4	1	0	0	1	0
10:00	517	40.1	34.9	5.0	0	1	48	219	192	43	11	3	0	0	0	0
11:00	584	40.6	35.3	5.2	0	2	48	234	222	60	14	2	2	0	0	0
12:00	594	42.3	36.3	5.8	0	8	34	183	250	92	20	5	1	0	1	0
13:00	621	42.0	35.6	6.2	2	7	61	181	274	74	14	2	3	3	0	0
14:00	723	41.7	35.8	5.7	0	1	61	256	283	92	21	6	1	1	0	1
15:00	874	40.3	34.4	5.7	0	9	118	339	296	89	21	1	1	0	0	0
16:00	823	42.0	36.6	5.3	0	2	49	229	389	119	25	6	2	2	0	0
17:00	810	43.0	37.5	5.4	0	0	29	187	413	139	32	5	1	2	0	2
18:00	704	43.5	38.2	5.1	0	3	13	138	336	164	36	11	2	1	0	0
19:00	551	44.2	38.3	5.6	0	1	13	125	232	127	41	6	3	3	0	0
20:00	428	45.8	38.8	6.7	0	5	11	76	182	99	40	8	3	3	0	1
21:00	314	47.0	38.9	7.8	0	2	12	67	126	69	22	5	5	3	1	2
22:00	208	43.9	37.7	6.0	0	1	10	55	78	44	13	7	0	0	0	0
23:00	78	49.9	40.0	9.6	0	0	4	16	30	11	12	1	1	1	1	1
Total																
2H(10-12)	1101	40.4	35.1	5.1	0	3	96	453	414	103	25	5	2	0	0	0
2H(14-16)	1597	41.0	35.1	5.7	0	10	179	595	579	181	42	7	2	1	0	1
12H(7-19)	7981	41.6	35.7	5.7	3	42	705	2634	3275	1022	224	48	14	9	2	3
24H(0-24)	10051	42.5	36.3	6.0	3	53	783	3075	4122	1478	382	89	34	21	4	7
AM Peak	08:00	02:00	01:00	02:00	08:00	08:00	09:00	08:00	08:00	07:00	07:00	05:00	05:00	01:00	09:00	00:00
	749	54.7	45.0	11.8	1	6	123	289	303	67	18	6	3	1	1	0
PM Peak	15:00	23:00	23:00	23:00	13:00	15:00	15:00	15:00	17:00	18:00	19:00	18:00	21:00	13:00	12:00	17:00
	874	49.9	40.0	9.6	2	9	118	339	413	164	41	11	5	3	1	2

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	27	45.3	39.4	5.6	0	0	1	3	12	7	3	1	0	0	0	0
01:00	20	48.7	39.5	8.9	0	1	1	0	10	4	2	1	1	0	0	0
02:00	12	56.7	45.8	10.5	0	0	0	0	4	5	0	0	1	2	0	0
03:00	8	51.1	45.6	5.3	0	0	0	0	2	0	5	1	0	0	0	0
04:00	7	44.5	35.7	8.5	0	0	1	3	2	0	0	1	0	0	0	0
05:00	29	45.7	38.4	7.0	0	1	0	7	9	8	3	1	0	0	0	0
06:00	55	47.1	40.3	6.6	0	0	1	7	24	12	7	3	0	1	0	0
07:00	75	44.6	37.2	7.1	0	2	3	22	25	17	3	1	2	0	0	0
08:00	168	42.3	37.4	4.7	0	1	4	35	89	33	4	2	0	0	0	0
09:00	265	42.8	36.9	5.7	0	1	14	72	123	41	8	2	3	1	0	0
10:00	312	43.2	37.1	5.9	0	2	16	74	153	51	11	0	4	0	1	0
11:00	328	45.4	38.4	6.7	0	1	6	80	147	64	13	11	1	3	1	1
12:00	341	44.0	37.3	6.5	0	0	22	82	153	67	10	4	0	1	0	2
13:00	339	43.1	37.7	5.2	0	1	12	73	160	75	13	3	1	1	0	0
14:00	324	46.0	38.7	7.0	0	0	16	56	140	85	19	0	1	4	2	1
15:00	290	44.7	38.6	5.9	0	0	14	34	148	71	18	0	2	2	1	0
16:00	256	45.2	38.8	6.2	1	2	5	41	112	74	11	5	4	1	0	0
17:00	283	45.1	39.6	5.3	0	0	2	36	127	95	16	3	1	2	1	0
18:00	271	45.4	39.4	5.8	1	0	3	40	121	77	15	10	3	1	0	0
19:00	224	45.9	39.4	6.3	0	2	7	28	92	67	17	7	3	1	0	0
20:00	192	45.2	38.9	6.1	0	1	3	39	83	43	14	7	0	2	0	0
21:00	142	49.5	41.1	8.1	0	2	1	17	52	40	17	6	3	2	2	0
22:00	120	45.5	39.9	5.5	0	0	0	21	46	35	14	3	0	1	0	0
23:00	66	49.0	40.5	8.2	0	0	2	11	26	14	5	6	0	1	1	0
Total																
2H(10-12)	640	44.4	37.8	6.4	0	3	22	154	300	115	24	11	5	3	2	1
2H(14-16)	614	45.4	38.7	6.5	0	0	30	90	288	156	37	0	3	6	3	1
12H(7-19)	3252	44.4	38.1	6.1	2	10	117	645	1498	750	141	41	22	16	6	4
24H(0-24)	4154	45.0	38.5	6.3	2	17	134	781	1860	985	228	78	30	26	9	4
AM Peak	11:00	02:00	02:00	02:00	00:00	07:00	10:00	11:00	10:00	11:00	11:00	11:00	10:00	11:00	10:00	11:00
	328	56.7	45.8	10.5	0	2	16	80	153	64	13	11	4	3	1	1
PM Peak	12:00	21:00	21:00	23:00	16:00	16:00	12:00	12:00	13:00	17:00	14:00	18:00	16:00	14:00	14:00	12:00
	341	49.5	41.1	8.2	1	2	22	82	160	95	19	10	4	4	2	2

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	19	53.2	41.1	11.7	0	0	1	5	4	6	1	0	0	1	1	0
01:00	13	44.8	39.4	5.2	0	0	0	3	4	4	2	0	0	0	0	0
02:00	7	46.4	35.7	10.3	0	1	0	1	3	1	1	0	0	0	0	0
03:00	7	50.8	43.2	7.3	0	0	0	1	1	3	0	2	0	0	0	0
04:00	14	50.7	39.8	10.5	0	0	2	2	4	3	1	1	0	1	0	0
05:00	41	46.4	39.1	7.0	0	0	3	6	16	10	1	5	0	0	0	0
06:00	66	42.1	37.4	4.6	0	0	3	13	33	15	2	0	0	0	0	0
07:00	120	42.5	36.4	5.9	0	0	11	37	46	19	3	4	0	0	0	0
08:00	255	41.5	36.0	5.3	1	2	10	90	110	35	5	1	1	0	0	0
09:00	303	40.7	34.7	5.8	1	3	40	93	131	30	4	0	1	0	0	0
10:00	327	39.6	34.4	5.0	0	3	29	150	118	22	4	0	1	0	0	0
11:00	323	40.8	35.0	5.6	0	3	35	111	140	23	8	1	2	0	0	0
12:00	351	39.7	34.8	4.8	0	2	30	144	147	24	2	1	1	0	0	0
13:00	298	41.5	35.3	5.9	1	4	23	116	101	42	8	3	0	0	0	0
14:00	287	42.3	35.9	6.2	1	1	27	85	123	36	9	2	2	1	0	0
15:00	267	42.2	36.4	5.6	0	0	18	92	107	29	16	4	1	0	0	0
16:00	233	41.7	36.4	5.1	0	1	9	84	92	39	7	0	0	1	0	0
17:00	258	43.4	36.8	6.3	1	4	11	67	115	45	8	6	0	1	0	0
18:00	232	42.5	36.8	5.5	0	2	12	63	97	48	7	3	0	0	0	0
19:00	227	43.5	37.6	5.7	0	0	13	52	102	41	11	7	1	0	0	0
20:00	159	43.7	38.1	5.4	0	0	6	24	90	29	2	6	2	0	0	0
21:00	129	47.2	38.2	8.7	0	2	10	26	48	30	6	2	1	2	2	0
22:00	129	42.3	36.0	6.1	0	1	5	56	47	13	5	0	0	2	0	0
23:00	49	42.9	36.4	6.3	0	0	6	14	16	8	5	0	0	0	0	0
Total																
2H(10-12)	650	40.2	34.7	5.3	0	6	64	261	258	45	12	1	3	0	0	0
2H(14-16)	554	42.3	36.2	5.9	1	1	45	177	230	65	25	6	3	1	0	0
12H(7-19)	3254	41.4	35.6	5.6	5	25	255	1132	1327	392	81	25	9	3	0	0
24H(0-24)	4114	42.2	36.0	5.9	5	29	304	1335	1695	555	118	48	13	9	3	0
AM Peak	10:00	00:00	03:00	00:00	08:00	09:00	09:00	10:00	11:00	08:00	11:00	05:00	11:00	00:00	00:00	00:00
	327	53.2	43.2	11.7	1	3	40	150	140	35	8	5	2	1	1	0
PM Peak	12:00	21:00	21:00	21:00	13:00	13:00	12:00	12:00	12:00	18:00	15:00	19:00	14:00	21:00	21:00	12:00
	351	47.2	38.2	8.7	1	4	30	144	147	48	16	7	2	2	2	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	46	49.0	40.1	8.6	0	0	2	8	16	13	4	1	0	1	1	0
01:00	33	47.3	39.5	7.6	0	1	1	3	14	8	4	1	1	0	0	0
02:00	19	53.8	42.1	11.3	0	1	0	1	7	6	1	0	1	2	0	0
03:00	15	50.9	44.5	6.2	0	0	0	1	3	3	5	3	0	0	0	0
04:00	21	48.7	38.5	9.9	0	0	3	5	6	3	1	2	0	1	0	0
05:00	70	46.1	38.9	7.0	0	1	3	13	25	18	4	6	0	0	0	0
06:00	121	44.7	38.7	5.7	0	0	4	20	57	27	9	3	0	1	0	0
07:00	195	43.3	36.7	6.4	0	2	14	59	71	36	6	5	2	0	0	0
08:00	423	41.8	36.5	5.1	1	3	14	125	199	68	9	3	1	0	0	0
09:00	568	41.8	35.7	5.9	1	4	54	165	254	71	12	2	4	1	0	0
10:00	639	41.5	35.7	5.6	0	5	45	224	271	73	15	0	5	0	1	0
11:00	651	43.4	36.7	6.4	0	4	41	191	287	87	21	12	3	3	1	1
12:00	692	42.1	36.0	5.8	0	2	52	226	300	91	12	5	1	1	0	2
13:00	637	42.5	36.6	5.7	1	5	35	189	261	117	21	6	1	1	0	0
14:00	611	44.4	37.4	6.8	1	1	43	141	263	121	28	2	3	5	2	1
15:00	557	43.6	37.5	5.9	0	0	32	126	255	100	34	4	3	2	1	0
16:00	489	43.7	37.6	5.8	1	3	14	125	204	113	18	5	4	2	0	0
17:00	541	44.4	38.3	6.0	1	4	13	103	242	140	24	9	1	3	1	0
18:00	503	44.2	38.2	5.8	1	2	15	103	218	125	22	13	3	1	0	0
19:00	451	44.8	38.5	6.1	0	2	20	80	194	108	28	14	4	1	0	0
20:00	351	44.5	38.5	5.8	0	1	9	63	173	72	16	13	2	2	0	0
21:00	271	48.5	39.7	8.5	0	4	11	43	100	70	23	8	4	4	4	0
22:00	249	44.2	37.9	6.1	0	1	5	77	93	48	19	3	0	3	0	0
23:00	115	46.7	38.7	7.7	0	0	8	25	42	22	10	6	0	1	1	0
Total																
2H(10-12)	1290	42.5	36.2	6.0	0	9	86	415	558	160	36	12	8	3	2	1
2H(14-16)	1168	44.0	37.5	6.3	1	1	75	267	518	221	62	6	6	7	3	1
12H(7-19)	6506	43.1	36.9	6.0	7	35	372	1777	2825	1142	222	66	31	19	6	4
24H(0-24)	8268	43.7	37.3	6.2	7	46	438	2116	3555	1540	346	126	43	35	12	4
AM Peak	11:00 651	02:00 53.8	03:00 44.5	02:00 11.3	08:00 1	10:00 5	09:00 54	10:00 224	11:00 287	11:00 87	11:00 21	11:00 12	10:00 5	11:00 3	00:00 1	11:00 1
PM Peak	12:00 692	21:00 48.5	21:00 39.7	21:00 8.5	13:00 1	13:00 5	12:00 52	12:00 226	12:00 300	17:00 140	15:00 34	19:00 14	16:00 4	14:00 5	21:00 4	12:00 2

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	30	46.3	41.5	4.6	0	0	0	1	10	15	3	0	1	0	0	0
01:00	13	47.1	41.0	5.9	0	0	0	2	4	4	2	1	0	0	0	0
02:00	6	58.9	49.6	9.0	0	0	0	0	1	0	3	1	0	1	0	0
03:00	7	46.0	41.1	4.8	0	0	0	0	4	1	2	0	0	0	0	0
04:00	7	44.8	36.1	8.4	0	0	2	0	3	1	1	0	0	0	0	0
05:00	26	48.1	40.9	7.0	0	0	1	2	10	8	3	0	2	0	0	0
06:00	28	44.5	39.0	5.3	0	0	1	3	14	7	2	1	0	0	0	0
07:00	53	44.1	37.0	6.8	0	2	2	13	18	14	4	0	0	0	0	0
08:00	155	45.2	38.6	6.4	0	4	1	26	64	46	11	1	1	1	0	0
09:00	156	44.5	38.5	5.8	0	1	3	30	73	34	10	3	1	1	0	0
10:00	250	42.4	37.3	5.0	0	1	6	62	128	45	3	3	1	1	0	0
11:00	276	45.2	38.2	6.7	0	0	11	66	116	56	18	5	1	1	1	1
12:00	291	43.0	38.0	4.8	0	2	0	68	137	67	15	1	0	1	0	0
13:00	315	43.0	37.7	5.1	0	0	16	57	156	65	19	1	1	0	0	0
14:00	283	45.5	39.1	6.1	0	2	2	48	126	75	20	7	1	1	0	1
15:00	269	44.4	38.7	5.5	0	2	6	41	125	66	22	7	0	0	0	0
16:00	261	47.2	39.6	7.4	0	0	7	41	106	84	12	5	1	2	0	3
17:00	229	48.7	40.5	7.9	0	0	2	35	98	54	24	9	1	2	2	2
18:00	228	44.3	39.0	5.1	0	0	5	33	103	65	16	5	1	0	0	0
19:00	217	46.2	39.4	6.6	0	0	5	30	104	55	15	4	1	1	1	1
20:00	155	46.9	40.2	6.4	0	0	3	20	59	51	13	6	1	1	1	0
21:00	101	45.4	39.8	5.5	0	1	0	14	39	34	9	4	0	0	0	0
22:00	77	45.9	38.8	6.9	0	1	3	14	31	16	7	4	1	0	0	0
23:00	21	51.8	41.5	9.9	0	0	1	2	8	6	1	2	0	0	1	0
Total																
2H(10-12)	526	44.0	37.8	6.0	0	1	17	128	244	101	21	8	2	2	1	1
2H(14-16)	552	45.0	38.9	5.8	0	4	8	89	251	141	42	14	1	1	0	1
12H(7-19)	2766	44.9	38.6	6.1	0	14	61	520	1250	671	174	47	9	10	3	7
24H(0-24)	3454	45.3	38.8	6.2	0	16	77	608	1537	869	235	70	15	13	6	8
AM Peak	11:00	02:00	02:00	02:00	00:00	08:00	11:00	11:00	10:00	11:00	11:00	11:00	05:00	02:00	11:00	11:00
	276	58.9	49.6	9.0	0	4	11	66	128	56	18	5	2	1	1	1
PM Peak	13:00	23:00	23:00	23:00	12:00	12:00	13:00	12:00	13:00	16:00	17:00	17:00	13:00	16:00	17:00	16:00
	315	51.8	41.5	9.9	0	2	16	68	156	84	24	9	1	2	2	3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	28	42.3	38.9	3.3	0	0	0	3	14	11	0	0	0	0	0	0
01:00	10	44.9	38.5	6.1	0	0	0	4	2	2	2	0	0	0	0	0
02:00	7	48.4	36.8	11.2	0	0	2	1	2	1	0	0	1	0	0	0
03:00	6	45.1	40.8	4.1	0	0	0	1	0	5	0	0	0	0	0	0
04:00	14	48.6	38.4	9.8	0	0	2	2	6	2	1	0	0	1	0	0
05:00	26	45.2	39.1	5.9	0	0	1	4	11	6	3	1	0	0	0	0
06:00	53	43.9	37.9	5.8	0	0	4	9	23	12	4	1	0	0	0	0
07:00	74	43.0	36.5	6.3	1	0	6	15	35	14	2	1	0	0	0	0
08:00	135	41.5	36.1	5.2	0	1	6	46	60	18	1	3	0	0	0	0
09:00	179	42.1	36.1	5.7	0	4	8	53	82	25	6	0	1	0	0	0
10:00	273	40.6	35.5	4.9	0	2	13	106	121	26	4	0	0	1	0	0
11:00	327	40.3	34.4	5.7	1	3	44	122	118	33	5	1	0	0	0	0
12:00	308	42.3	35.0	7.1	1	10	32	99	116	36	9	4	0	0	1	0
13:00	319	41.2	35.2	5.8	0	8	17	128	122	35	7	1	0	1	0	0
14:00	219	42.8	36.5	6.0	0	2	16	63	88	34	13	2	1	0	0	0
15:00	219	42.9	36.7	6.0	0	1	15	65	91	31	10	4	2	0	0	0
16:00	219	42.6	35.7	6.6	1	7	11	69	89	32	7	2	1	0	0	0
17:00	282	42.1	36.2	5.7	0	1	25	76	130	43	2	3	0	2	0	0
18:00	203	43.7	37.3	6.2	0	2	8	54	91	35	7	3	1	2	0	0
19:00	166	42.6	37.3	5.2	0	0	3	52	76	25	6	3	0	1	0	0
20:00	143	44.2	38.7	5.4	0	0	1	30	68	31	8	3	1	1	0	0
21:00	98	42.1	36.4	5.5	0	0	9	28	39	16	6	0	0	0	0	0
22:00	61	44.3	37.7	6.3	0	0	3	15	27	11	3	1	0	1	0	0
23:00	38	44.1	36.2	7.6	0	0	6	11	13	4	0	4	0	0	0	0
Total																
2H(10-12)	600	40.5	34.9	5.4	1	5	57	228	239	59	9	1	0	1	0	0
2H(14-16)	438	42.8	36.6	6.0	0	3	31	128	179	65	23	6	3	0	0	0
12H(7-19)	2757	42.0	35.8	6.0	4	41	201	896	1143	362	73	24	6	6	1	0
24H(0-24)	3407	42.4	36.1	6.0	4	41	232	1056	1424	488	106	37	8	10	1	0
AM Peak	11:00	04:00	03:00	02:00	07:00	09:00	11:00	11:00	10:00	11:00	09:00	08:00	02:00	04:00	00:00	00:00
	327	48.6	40.8	11.2	1	4	44	122	121	33	6	3	1	1	0	0
PM Peak	13:00	22:00	20:00	23:00	12:00	12:00	12:00	13:00	17:00	17:00	14:00	12:00	15:00	17:00	12:00	12:00
	319	44.3	38.7	7.6	1	10	32	128	130	43	13	4	2	2	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	58	44.6	40.3	4.2	0	0	0	4	24	26	3	0	1	0	0	0
01:00	23	46.1	39.9	6.0	0	0	0	6	6	6	4	1	0	0	0	0
02:00	13	55.0	42.7	11.9	0	0	2	1	3	1	3	1	1	1	0	0
03:00	13	45.4	41.0	4.3	0	0	0	1	4	6	2	0	0	0	0	0
04:00	21	47.2	37.6	9.2	0	0	4	2	9	3	2	0	0	1	0	0
05:00	52	46.7	40.0	6.4	0	0	2	6	21	14	6	1	2	0	0	0
06:00	81	44.1	38.3	5.7	0	0	5	12	37	19	6	2	0	0	0	0
07:00	127	43.4	36.7	6.5	1	2	8	28	53	28	6	1	0	0	0	0
08:00	290	43.6	37.5	6.0	0	5	7	72	124	64	12	4	1	1	0	0
09:00	335	43.3	37.2	5.9	0	5	11	83	155	59	16	3	2	1	0	0
10:00	523	41.5	36.4	5.0	0	3	19	168	249	71	7	3	1	2	0	0
11:00	603	42.8	36.1	6.5	1	3	55	188	234	89	23	6	1	1	1	1
12:00	599	43.0	36.4	6.3	1	12	32	167	253	103	24	5	0	1	1	0
13:00	634	42.2	36.4	5.6	0	8	33	185	278	100	26	2	1	1	0	0
14:00	502	44.4	38.0	6.2	0	4	18	111	214	109	33	9	2	1	0	1
15:00	488	43.8	37.8	5.8	0	3	21	106	216	97	32	11	2	0	0	0
16:00	480	45.4	37.8	7.3	1	7	18	110	195	116	19	7	2	2	0	3
17:00	511	45.5	38.1	7.1	0	1	27	111	228	97	26	12	1	4	2	2
18:00	431	44.1	38.2	5.7	0	2	13	87	194	100	23	8	2	2	0	0
19:00	383	44.8	38.5	6.1	0	0	8	82	180	80	21	7	1	2	1	1
20:00	298	45.7	39.5	6.0	0	0	4	50	127	82	21	9	2	2	1	0
21:00	199	44.0	38.1	5.7	0	1	9	42	78	50	15	4	0	0	0	0
22:00	138	45.2	38.3	6.6	0	1	6	29	58	27	10	5	1	1	0	0
23:00	59	47.2	38.1	8.8	0	0	7	13	21	10	1	6	0	0	1	0
Total																
2H(10-12)	1126	42.3	36.2	5.8	1	6	74	356	483	160	30	9	2	3	1	1
2H(14-16)	990	44.1	37.9	6.0	0	7	39	217	430	206	65	20	4	1	0	1
12H(7-19)	5523	43.6	37.2	6.2	4	55	262	1416	2393	1033	247	71	15	16	4	7
24H(0-24)	6861	44.0	37.5	6.3	4	57	309	1664	2961	1357	341	107	23	23	7	8
AM Peak	11:00	02:00	02:00	02:00	07:00	08:00	11:00	11:00	10:00	11:00	11:00	11:00	05:00	10:00	11:00	11:00
	603	55.0	42.7	11.9	1	5	55	188	249	89	23	6	2	2	1	1
PM Peak	13:00	23:00	20:00	23:00	12:00	12:00	13:00	13:00	13:00	16:00	14:00	17:00	14:00	17:00	17:00	16:00
	634	47.2	39.5	8.8	1	12	33	185	278	116	33	12	2	4	2	3

Paul Castle Associates

Tween Bridge ATC 4, Marshland Road

Direction: Northbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	17	54.1	44.1	9.6	0	0	1	1	1	9	3	0	0	2	0	0
01:00	2	62.2	47.5	14.1	0	0	0	0	1	0	0	0	1	0	0	0
02:00	7	48.7	44.6	3.9	0	0	0	0	0	5	1	1	0	0	0	0
03:00	6	44.1	37.5	6.3	0	0	0	3	1	1	1	0	0	0	0	0
04:00	12	42.9	37.5	5.2	0	0	0	5	3	3	1	0	0	0	0	0
05:00	62	44.9	38.7	6.0	0	0	3	12	24	14	7	2	0	0	0	0
06:00	71	44.3	39.0	5.1	0	0	1	14	27	21	7	1	0	0	0	0
07:00	166	42.5	37.9	4.4	0	1	1	30	94	32	6	2	0	0	0	0
08:00	312	41.5	35.6	5.7	2	2	25	100	126	50	6	1	0	0	0	0
09:00	246	42.7	35.7	6.7	0	1	20	93	97	28	3	2	0	0	0	2
10:00	248	42.8	36.7	5.8	0	2	14	75	96	48	7	5	1	0	0	0
11:00	276	40.7	35.8	4.7	0	0	21	89	123	39	4	0	0	0	0	0
12:00	293	41.1	35.7	5.2	0	2	23	94	127	40	5	2	0	0	0	0
13:00	289	42.6	36.4	5.9	0	0	19	89	134	34	7	4	0	0	2	0
14:00	325	43.1	37.8	5.1	0	0	14	69	144	77	17	4	0	0	0	0
15:00	392	42.2	36.0	5.9	0	7	18	122	184	49	10	0	0	1	0	1
16:00	411	44.6	38.6	5.8	0	3	5	88	160	123	24	5	1	0	2	0
17:00	366	47.4	39.3	7.8	1	0	9	71	146	110	12	3	3	7	1	3
18:00	286	43.3	36.6	6.4	0	2	22	86	109	48	14	3	0	1	1	0
19:00	150	43.0	37.4	5.4	0	0	7	36	72	23	9	2	1	0	0	0
20:00	140	42.2	37.0	5.0	0	0	8	32	71	22	5	2	0	0	0	0
21:00	96	42.1	36.7	5.3	0	0	6	29	39	17	4	1	0	0	0	0
22:00	54	44.6	37.8	6.6	0	1	3	10	22	13	3	2	0	0	0	0
23:00	18	45.3	39.2	5.9	0	0	0	5	6	4	2	1	0	0	0	0
Total																
2H(10-12)	524	41.7	36.2	5.3	0	2	35	164	219	87	11	5	1	0	0	0
2H(14-16)	717	42.7	36.8	5.6	0	7	32	191	328	126	27	4	0	1	0	1
12H(7-19)	3610	43.2	36.9	6.1	3	20	191	1006	1540	678	115	31	5	9	6	6
24H(0-24)	4245	43.3	37.1	6.0	3	21	220	1153	1807	810	158	43	7	11	6	6
AM Peak	08:00	01:00	01:00	01:00	08:00	08:00	08:00	08:00	08:00	08:00	05:00	10:00	01:00	00:00	00:00	09:00
	312	62.2	47.5	14.1	2	2	25	100	126	50	7	5	1	2	0	2
PM Peak	16:00	17:00	17:00	17:00	17:00	15:00	12:00	15:00	15:00	16:00	16:00	16:00	17:00	17:00	13:00	17:00
	411	47.4	39.3	7.8	1	7	23	122	184	123	24	5	3	7	2	3

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	12	44.3	39.2	4.9	0	0	0	2	6	2	2	0	0	0	0	0
01:00	6	45.8	36.3	9.2	0	0	1	2	2	0	0	1	0	0	0	0
02:00	5	40.8	38.5	2.2	0	0	0	0	4	1	0	0	0	0	0	0
03:00	11	41.1	36.6	4.4	0	0	0	4	6	0	1	0	0	0	0	0
04:00	40	45.8	37.2	8.3	0	1	3	11	14	6	3	1	0	1	0	0
05:00	97	45.4	37.2	7.9	1	2	7	24	30	20	8	5	0	0	0	0
06:00	179	44.1	37.6	6.3	0	2	7	45	78	30	10	6	0	1	0	0
07:00	283	41.0	35.1	5.7	1	4	24	96	120	31	6	1	0	0	0	0
08:00	444	38.3	32.8	5.3	1	9	66	225	127	12	4	0	0	0	0	0
09:00	292	38.0	32.4	5.4	1	2	63	142	73	6	4	1	0	0	0	0
10:00	244	39.4	34.0	5.1	0	1	31	108	89	12	2	0	0	1	0	0
11:00	262	38.9	33.3	5.3	0	2	47	112	84	14	2	1	0	0	0	0
12:00	253	38.4	32.4	5.8	1	3	56	116	63	11	1	2	0	0	0	0
13:00	266	38.8	33.7	4.9	0	0	40	123	88	9	5	1	0	0	0	0
14:00	303	39.6	34.1	5.3	0	9	22	134	117	19	2	0	0	0	0	0
15:00	329	39.8	33.4	6.2	1	6	57	141	87	26	11	0	0	0	0	0
16:00	315	41.2	36.0	5.0	1	1	10	123	133	34	9	4	0	0	0	0
17:00	284	40.6	35.8	4.6	0	0	16	105	122	33	7	1	0	0	0	0
18:00	299	39.2	34.2	4.8	0	1	30	147	95	23	2	0	1	0	0	0
19:00	154	40.4	34.4	5.8	0	1	22	66	42	18	4	1	0	0	0	0
20:00	125	42.4	35.8	6.4	0	0	14	47	38	17	6	1	2	0	0	0
21:00	96	41.9	36.1	5.6	0	0	5	40	36	7	6	1	1	0	0	0
22:00	48	44.5	36.3	7.9	0	2	4	11	17	13	0	0	0	1	0	0
23:00	14	41.9	37.1	4.6	0	0	0	5	6	2	1	0	0	0	0	0
Total																
2H(10-12)	506	39.1	33.7	5.2	0	3	78	220	173	26	4	1	0	1	0	0
2H(14-16)	632	39.7	33.7	5.8	1	15	79	275	204	45	13	0	0	0	0	0
12H(7-19)	3574	39.6	33.9	5.4	6	38	462	1572	1198	230	55	11	1	1	0	0
24H(0-24)	4361	40.3	34.4	5.7	7	46	525	1829	1477	346	96	27	4	4	0	0
AM Peak	08:00	04:00	00:00	01:00	05:00	08:00	08:00	08:00	08:00	07:00	06:00	06:00	00:00	04:00	00:00	00:00
	444	45.8	39.2	9.2	1	9	66	225	127	31	10	6	0	1	0	0
PM Peak	15:00	22:00	23:00	22:00	12:00	14:00	15:00	18:00	16:00	16:00	15:00	16:00	20:00	22:00	12:00	12:00
	329	44.5	37.1	7.9	1	9	57	147	133	34	11	4	2	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	29	50.6	42.1	8.3	0	0	1	3	7	11	5	0	0	2	0	0
01:00	8	50.2	39.1	10.8	0	0	1	2	3	0	0	1	1	0	0	0
02:00	12	46.7	42.1	4.5	0	0	0	0	4	6	1	1	0	0	0	0
03:00	17	42.1	36.9	5.0	0	0	0	7	7	1	2	0	0	0	0	0
04:00	52	45.2	37.3	7.6	0	1	3	16	17	9	4	1	0	1	0	0
05:00	159	45.3	37.8	7.2	1	2	10	36	54	34	15	7	0	0	0	0
06:00	250	44.2	38.0	6.0	0	2	8	59	105	51	17	7	0	1	0	0
07:00	449	41.8	36.2	5.4	1	5	25	126	214	63	12	3	0	0	0	0
08:00	756	39.8	34.0	5.6	3	11	91	325	253	62	10	1	0	0	0	0
09:00	538	40.4	33.9	6.3	1	3	83	235	170	34	7	3	0	0	0	2
10:00	492	41.3	35.4	5.6	0	3	45	183	185	60	9	5	1	1	0	0
11:00	538	39.9	34.6	5.2	0	2	68	201	207	53	6	1	0	0	0	0
12:00	546	40.1	34.2	5.7	1	5	79	210	190	51	6	4	0	0	0	0
13:00	555	41.0	35.1	5.6	0	0	59	212	222	43	12	5	0	0	2	0
14:00	628	41.7	36.0	5.5	0	9	36	203	261	96	19	4	0	0	0	0
15:00	721	41.3	34.8	6.2	1	13	75	263	271	75	21	0	0	1	0	1
16:00	726	43.3	37.5	5.6	1	4	15	211	293	157	33	9	1	0	2	0
17:00	650	44.8	37.8	6.8	1	0	25	176	268	143	19	4	3	7	1	3
18:00	585	41.4	35.4	5.8	0	3	52	233	204	71	16	3	1	1	1	0
19:00	304	41.9	35.9	5.8	0	1	29	102	114	41	13	3	1	0	0	0
20:00	265	42.4	36.4	5.7	0	0	22	79	109	39	11	3	2	0	0	0
21:00	192	42.0	36.4	5.4	0	0	11	69	75	24	10	2	1	0	0	0
22:00	102	44.6	37.1	7.2	0	3	7	21	39	26	3	2	0	1	0	0
23:00	32	43.9	38.3	5.4	0	0	0	10	12	6	3	1	0	0	0	0
Total																
2H(10-12)	1030	40.6	35.0	5.4	0	5	113	384	392	113	15	6	1	1	0	0
2H(14-16)	1349	41.5	35.4	5.9	1	22	111	466	532	171	40	4	0	1	0	1
12H(7-19)	7184	41.6	35.4	5.9	9	58	653	2578	2738	908	170	42	6	10	6	6
24H(0-24)	8606	42.0	35.7	6.0	10	67	745	2982	3284	1156	254	70	11	15	6	6
AM Peak	08:00	00:00	02:00	01:00	08:00	08:00	08:00	08:00	08:00	07:00	06:00	05:00	01:00	00:00	00:00	09:00
	756	50.6	42.1	10.8	3	11	91	325	253	63	17	7	1	2	0	2
PM Peak	16:00	17:00	23:00	22:00	12:00	15:00	12:00	15:00	16:00	16:00	16:00	16:00	17:00	17:00	13:00	17:00
	726	44.8	38.3	7.2	1	13	79	263	293	157	33	9	3	7	2	3

Paul Castle Associates



Appendix E: Automatic Traffic Survey Reports – Link 5

Tween Bridge ATC S, Coulman Street

Direction: Southbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	6	3	4	1	6	8	0	3	4
01:00	4	6	6	5	7	4	1	4	5
02:00	3	2	1	1	2	1	2	2	2
03:00	1	2	1	4	0	2	3	2	2
04:00	10	5	9	11	3	5	13	10	8
05:00	47	51	41	44	21	8	46	46	37
06:00	55	58	54	51	27	16	64	56	46
07:00	138	142	151	125	114	25	131	137	118
08:00	291	276	263	262	154	35	271	273	222
09:00	105	111	102	126	110	56	108	110	103
10:00	122	138	112	113	123	97	96	116	114
11:00	122	113	116	102	140	106	110	113	116
12:00	127	124	106	128	137	116	125	122	123
13:00	136	137	171	147	129	137	118	142	139
14:00	198	183	200	223	126	75	181	197	169
15:00	205	212	197	248	113	96	197	212	181
16:00	198	199	193	214	109	93	161	193	167
17:00	157	155	174	201	101	156	147	175	162
18:00	124	121	143	164	111	97	100	130	123
19:00	121	85	106	128	80	93	75	103	98
20:00	59	84	82	99	75	51	32	71	69
21:00	36	37	49	74	35	46	20	43	42
22:00	24	30	28	41	43	13	15	28	28
23:00	9	17	9	9	19	10	7	10	11
Total									
12H(7-19)	1923	1951	1928	2053	1467	1089	1745	1920	1737
16H(6-22)	2194	2215	2219	2405	1684	1295	1936	2194	1993
18H(6-24)	2227	2262	2256	2455	1746	1318	1958	2233	2032
24H(0-24)	2298	2331	2318	2521	1785	1346	2023	2298	2089
AM Peak	08:00 291	08:00 276	08:00 263	08:00 262	08:00 154	11:00 106	08:00 271	08:00 273	08:00 222
PM Peak	15:00 205	15:00 212	14:00 200	15:00 248	12:00 137	17:00 156	15:00 197	15:00 212	15:00 181

Paul Castle Associates

Direction: Northbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	8	4	6	1	8	7	4	5	5
01:00	2	4	1	0	7	1	3	2	3
02:00	2	3	4	3	3	1	2	3	3
03:00	6	4	4	7	3	1	6	5	4
04:00	15	11	17	17	4	2	15	15	12
05:00	46	52	49	64	14	6	42	51	39
06:00	71	63	63	62	17	10	75	67	52
07:00	120	124	122	106	55	16	101	115	92
08:00	256	263	232	230	225	72	101	216	232
09:00	137	131	117	95	93	43	108	118	103
10:00	131	112	103	121	119	81	101	114	110
11:00	110	115	112	119	134	108	130	117	118
12:00	156	118	118	126	117	87	124	128	121
13:00	132	135	168	159	124	134	116	142	138
14:00	154	157	155	176	142	114	143	157	149
15:00	229	220	200	263	131	95	227	228	195
16:00	188	202	198	225	111	112	195	202	176
17:00	197	203	194	211	116	96	161	193	168
18:00	143	133	145	183	113	99	127	146	135
19:00	88	107	114	153	84	106	72	107	103
20:00	59	75	90	96	75	79	52	74	75
21:00	62	64	69	80	51	43	57	66	61
22:00	19	21	34	42	40	22	16	26	28
23:00	11	10	9	17	15	5	10	11	11
Total									
12H(7-19)	1953	1882	1862	2009	1327	1086	1749	1891	1695
16H(6-22)	2233	2191	2198	2400	1554	1324	2005	2205	1986
18H(6-24)	2263	2222	2241	2459	1609	1351	2031	2243	2025
24H(0-24)	2342	2300	2322	2551	1648	1369	2103	2324	2091
AM Peak	08:00 256	08:00 232	08:00 230	08:00 225	11:00 134	11:00 108	08:00 216	08:00 232	08:00 190
PM Peak	15:00 229	15:00 220	15:00 200	15:00 263	14:00 142	13:00 134	15:00 227	15:00 228	15:00 195

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	14	7	10	2	14	15	4	7	9
01:00	6	10	7	5	14	5	4	6	7
02:00	5	5	5	4	5	2	4	5	4
03:00	7	6	5	11	3	3	9	8	6
04:00	25	16	26	28	7	7	28	25	20
05:00	93	103	90	108	35	14	88	96	76
06:00	126	121	117	113	44	26	139	123	98
07:00	258	266	273	231	169	41	232	252	210
08:00	547	508	493	487	226	156	487	504	412
09:00	242	242	219	221	203	99	216	238	206
10:00	253	250	215	234	242	178	197	230	224
11:00	232	228	228	221	274	214	240	230	234
12:00	283	242	224	254	254	203	249	250	244
13:00	268	272	339	306	253	271	234	284	278
14:00	352	340	355	399	268	189	324	354	318
15:00	434	432	397	511	244	191	424	440	376
16:00	386	401	391	439	220	205	356	395	343
17:00	354	398	368	412	217	252	308	368	330
18:00	267	254	288	347	224	196	227	277	258
19:00	209	192	220	281	164	199	147	210	202
20:00	118	159	172	195	150	130	84	146	144
21:00	98	101	118	154	86	89	77	110	103
22:00	43	51	62	83	83	35	31	54	55
23:00	20	27	18	26	34	15	17	22	22
Total									
12H(7-19)	3876	3833	3790	4062	2794	2175	3494	3811	3432
16H(6-22)	4427	4406	4417	4805	3238	2619	3941	4399	3979
18H(6-24)	4490	4484	4497	4914	3355	2669	3989	4475	4057
24H(0-24)	4640	4631	4640	5072	3433	2715	4126	4622	4180
AM Peak	08:00 547	08:00 508	08:00 493	08:00 487	11:00 274	11:00 214	08:00 487	08:00 504	08:00 412
PM Peak	15:00 434	15:00 432	15:00 397	15:00 511	14:00 268	13:00 271	15:00 424	15:00 440	15:00 376

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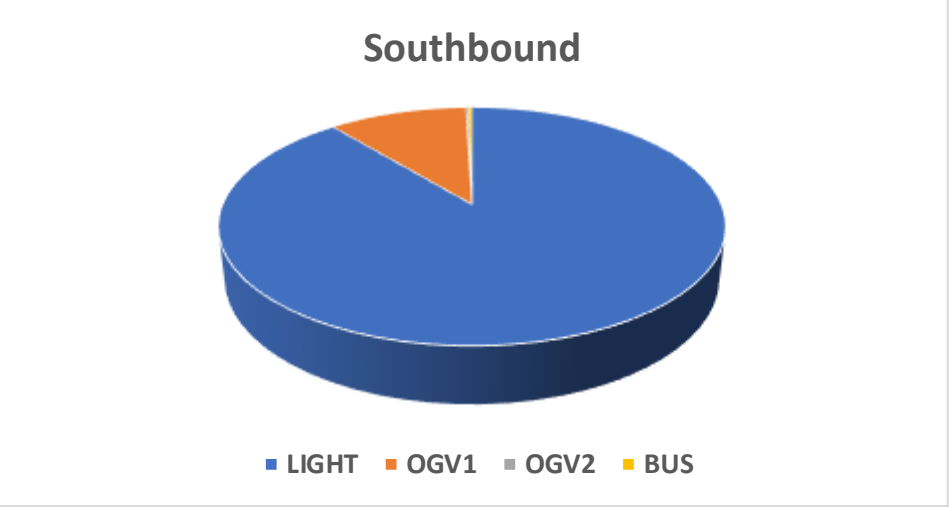


Tween Bridge ATC 5, Coulman Street

Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2298	2031	256	1	10
Wed 7 Jun 2023	2331	2072	252	2	5
Thu 8 Jun 2023	2318	2053	250	8	7
Fri 9 Jun 2023	2521	2235	273	5	8
Sat 10 Jun 2023	1785	1625	158	2	0
Sun 11 Jun 2023	1346	1236	104	5	1
Mon 12 Jun 2023	2023	1760	249	6	8
5 Day Ave.	2298	2030	256	4	8
7 Day Ave.	2089	1859	220	4	6

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	88.4%	11.1%	0.0%	0.4%
Wed 7 Jun 2023	100.0%	88.9%	10.8%	0.1%	0.2%
Thu 8 Jun 2023	100.0%	88.6%	10.8%	0.3%	0.3%
Fri 9 Jun 2023	100.0%	88.7%	10.8%	0.2%	0.3%
Sat 10 Jun 2023	100.0%	91.0%	8.9%	0.1%	0.0%
Sun 11 Jun 2023	100.0%	91.8%	7.7%	0.4%	0.1%
Mon 12 Jun 2023	100.0%	87.0%	12.3%	0.3%	0.4%
5 Day Ave.	100.0%	88.3%	11.1%	0.2%	0.3%
7 Day Ave.	100.0%	89.0%	10.5%	0.2%	0.3%

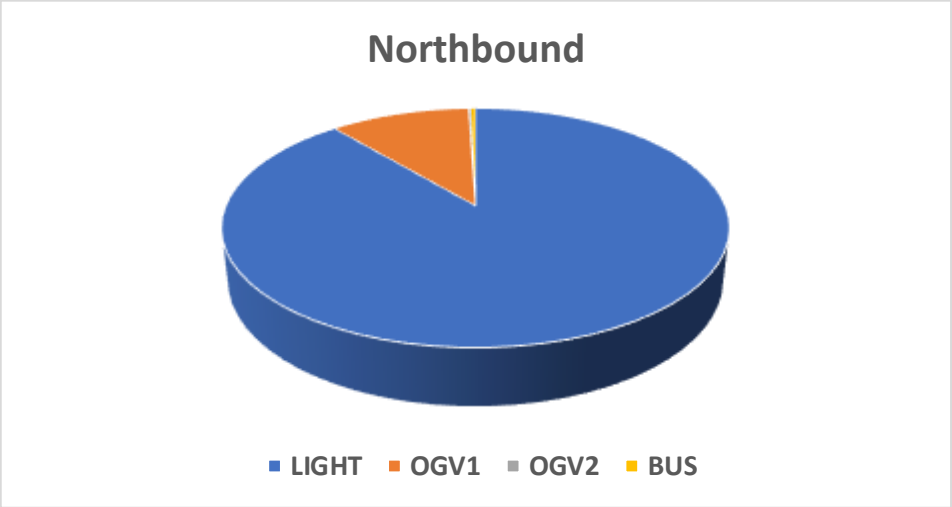
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Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2342	2161	174	3	4
Wed 7 Jun 2023	2300	2079	213	2	6
Thu 8 Jun 2023	2322	2075	233	4	10
Fri 9 Jun 2023	2551	2229	305	5	12
Sat 10 Jun 2023	1648	1449	193	3	3
Sun 11 Jun 2023	1369	1212	150	3	4
Mon 12 Jun 2023	2103	1796	288	5	14
5 Day Ave.	2324	2068	243	4	9
7 Day Ave.	2091	1857	222	4	8

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	92.3%	7.4%	0.1%	0.2%
Wed 7 Jun 2023	100.0%	90.4%	9.3%	0.1%	0.3%
Thu 8 Jun 2023	100.0%	89.4%	10.0%	0.2%	0.4%
Fri 9 Jun 2023	100.0%	87.4%	12.0%	0.2%	0.5%
Sat 10 Jun 2023	100.0%	87.9%	11.7%	0.2%	0.2%
Sun 11 Jun 2023	100.0%	88.5%	11.0%	0.2%	0.3%
Mon 12 Jun 2023	100.0%	85.4%	13.7%	0.2%	0.7%
5 Day Ave.	100.0%	89.0%	10.4%	0.2%	0.4%
7 Day Ave.	100.0%	88.8%	10.6%	0.2%	0.4%

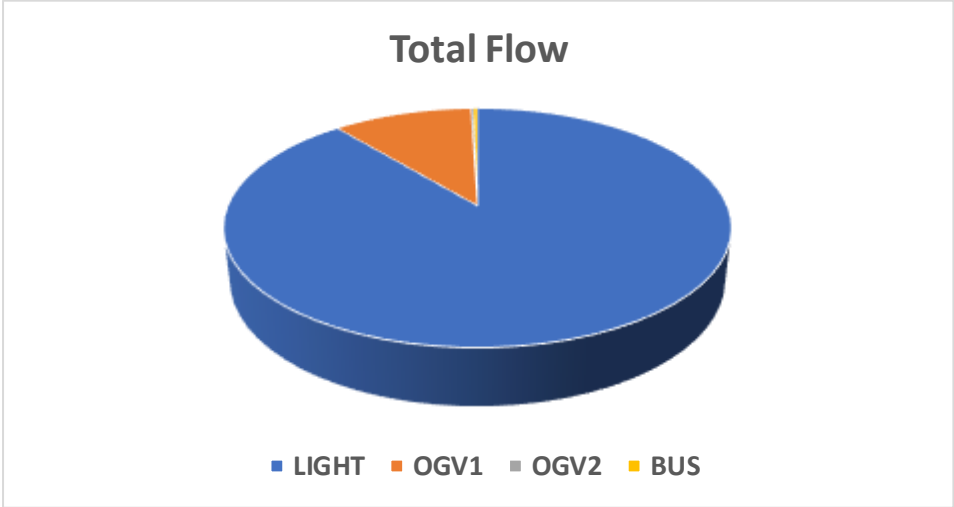
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4640	4192	430	4	14
Wed 7 Jun 2023	4631	4151	465	4	11
Thu 8 Jun 2023	4640	4128	483	12	17
Fri 9 Jun 2023	5072	4464	578	10	20
Sat 10 Jun 2023	3433	3074	351	5	3
Sun 11 Jun 2023	2715	2448	254	8	5
Mon 12 Jun 2023	4126	3556	537	11	22
5 Day Ave.	4622	4098	499	8	17
7 Day Ave.	4180	3716	443	8	13

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	90.3%	9.3%	0.1%	0.3%
Wed 7 Jun 2023	100.0%	89.6%	10.0%	0.1%	0.2%
Thu 8 Jun 2023	100.0%	89.0%	10.4%	0.3%	0.4%
Fri 9 Jun 2023	100.0%	88.0%	11.4%	0.2%	0.4%
Sat 10 Jun 2023	100.0%	89.5%	10.2%	0.1%	0.1%
Sun 11 Jun 2023	100.0%	90.2%	9.4%	0.3%	0.2%
Mon 12 Jun 2023	100.0%	86.2%	13.0%	0.3%	0.5%
5 Day Ave.	100.0%	88.7%	10.8%	0.2%	0.4%
7 Day Ave.	100.0%	88.9%	10.6%	0.2%	0.3%

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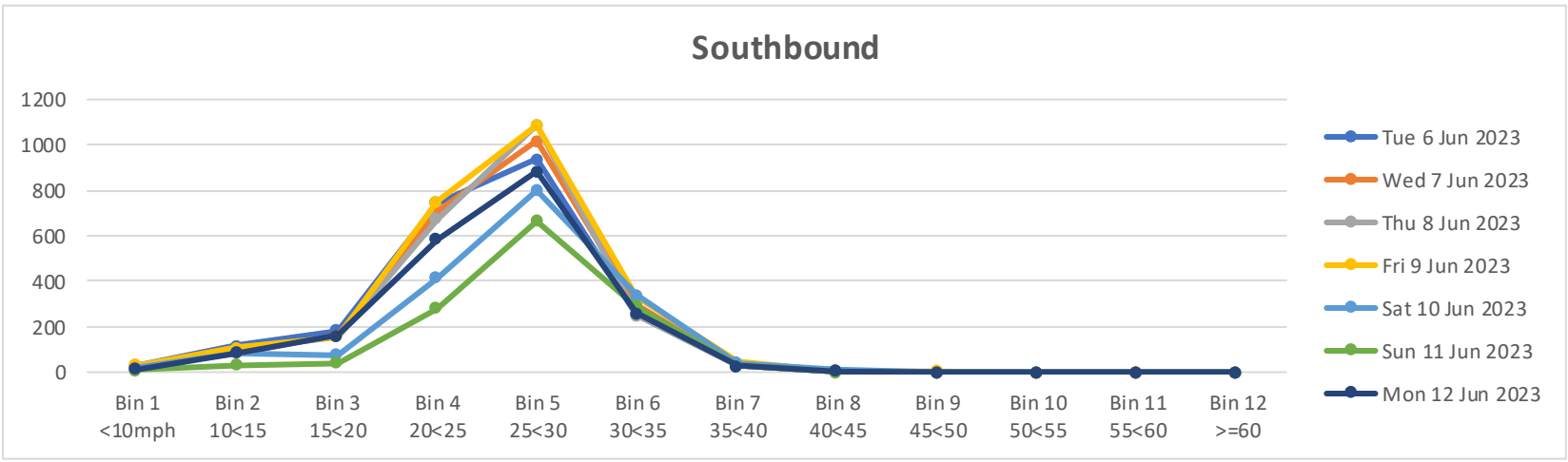


Tween Bridge ATC 5, Coulman Street

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	2298	30.4	24.8	5.4	28	115	183	744	939	254	32	3	0	0	0	0
Wed 7 Jun 2023	2331	30.8	25.4	5.2	22	84	162	710	1019	295	33	5	1	0	0	0
Thu 8 Jun 2023	2318	30.6	25.3	5.1	19	98	155	673	1088	248	30	6	1	0	0	0
Fri 9 Jun 2023	2521	31.0	25.4	5.4	33	106	158	750	1087	336	44	4	3	0	0	0
Sat 10 Jun 2023	1785	32.0	26.3	5.6	19	83	76	417	800	341	42	7	0	0	0	0
Sun 11 Jun 2023	1346	32.0	27.0	4.8	10	30	39	282	664	292	28	1	0	0	0	0
Mon 12 Jun 2023	2023	30.7	25.3	5.3	14	87	162	585	884	259	27	5	0	0	0	0
5 Day Ave.	2298	30.7	25.2	5.3	23	98	164	692	1003	278	33	5	1	0	0	0
7 Day Ave.	2089	31.1	25.6	5.3	21	86	134	594	926	289	34	4	1	0	0	0

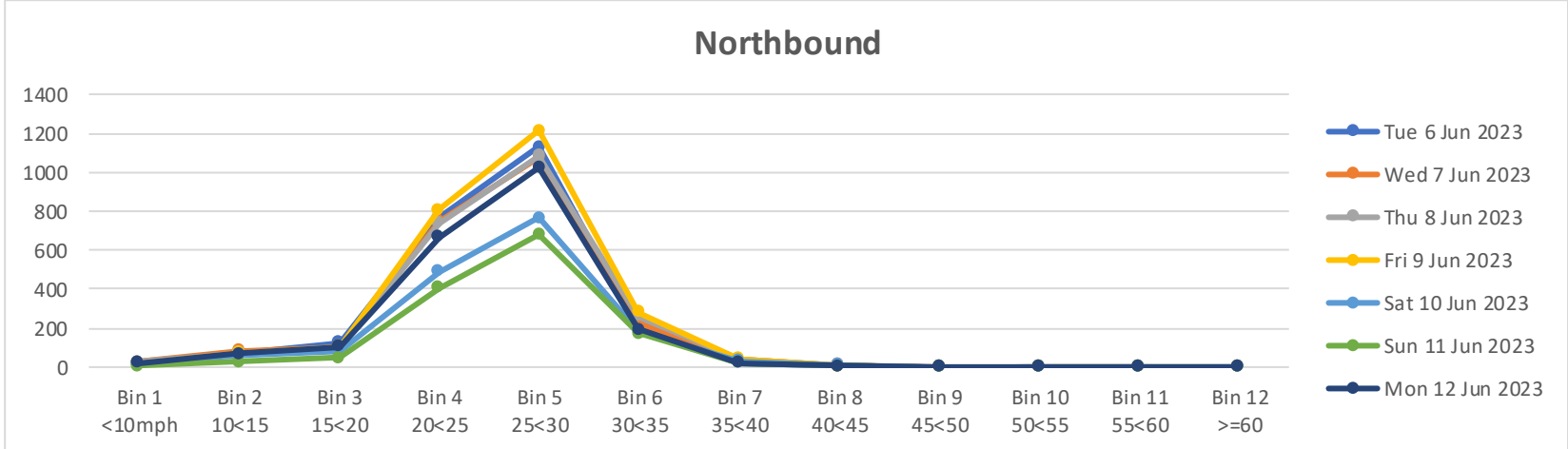
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Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	2342	30.1	25.3	4.7	17	75	126	768	1132	196	22	4	2	0	0	0
Wed 7 Jun 2023	2300	30.8	25.4	5.2	26	84	98	748	1075	223	35	9	0	0	0	2
Thu 8 Jun 2023	2322	30.8	25.6	5.0	26	71	97	738	1082	261	39	6	2	0	0	0
Fri 9 Jun 2023	2551	30.8	25.8	4.8	16	71	103	809	1215	282	44	8	3	0	0	0
Sat 10 Jun 2023	1648	31.1	25.6	5.3	16	63	82	489	768	184	32	12	2	0	0	0
Sun 11 Jun 2023	1369	30.9	26.2	4.6	6	26	47	408	680	173	22	6	1	0	0	0
Mon 12 Jun 2023	2103	30.4	25.4	4.8	20	66	107	665	1024	191	23	7	0	0	0	0
5 Day Ave.	2324	30.6	25.5	4.9	21	73	106	746	1106	231	33	7	1	0	0	0
7 Day Ave.	2091	30.7	25.6	4.9	18	65	94	661	997	216	31	7	1	0	0	0

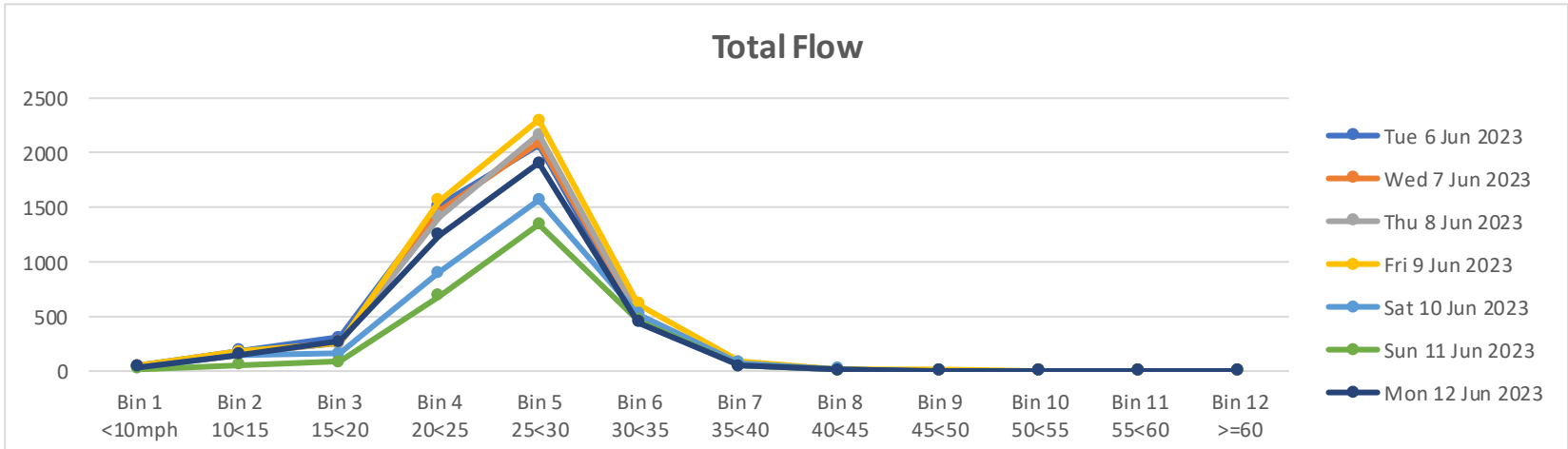
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	4640	30.3	25.0	5.1	45	190	309	1512	2071	450	54	7	2	0	0	0
Wed 7 Jun 2023	4631	30.8	25.4	5.2	48	168	260	1458	2094	518	68	14	1	0	0	2
Thu 8 Jun 2023	4640	30.7	25.4	5.1	45	169	252	1411	2170	509	69	12	3	0	0	0
Fri 9 Jun 2023	5072	30.9	25.6	5.1	49	177	261	1559	2302	618	88	12	6	0	0	0
Sat 10 Jun 2023	3433	31.6	26.0	5.5	35	146	158	906	1568	525	74	19	2	0	0	0
Sun 11 Jun 2023	2715	31.5	26.6	4.7	16	56	86	690	1344	465	50	7	1	0	0	0
Mon 12 Jun 2023	4126	30.6	25.3	5.0	34	153	269	1250	1908	450	50	12	0	0	0	0
5 Day Ave.	4622	30.6	25.4	5.1	44	171	270	1438	2109	509	66	11	2	0	0	0
7 Day Ave.	4180	30.9	25.6	5.1	39	151	228	1255	1922	505	65	12	2	0	0	0

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Tween Bridge ATC 5, Coulman Street

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	244	30.0	24.9	4.9	1	11	19	80	105	27	1	0	0	0	0	0
Wed 7 Jun 2023	251	30.5	24.9	5.4	2	15	16	82	103	28	5	0	0	0	0	0
Thu 8 Jun 2023	228	30.5	25.4	4.9	1	8	14	69	111	21	2	2	0	0	0	0
Fri 9 Jun 2023	215	31.5	26.1	5.2	2	5	13	63	87	40	5	0	0	0	0	0
Sat 10 Jun 2023	263	31.5	27.1	4.3	1	2	7	59	142	44	8	0	0	0	0	0
Sun 11 Jun 2023	203	31.5	26.4	4.9	1	7	8	46	100	39	2	0	0	0	0	0
Mon 12 Jun 2023	206	30.3	25.6	4.5	1	3	14	64	98	24	2	0	0	0	0	0
5 Day Ave.	229	30.6	25.4	5.0	1	8	15	72	101	28	3	0	0	0	0	0
7 Day Ave.	230	30.8	25.8	4.9	1	7	13	66	107	32	4	0	0	0	0	0

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Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	241	29.8	24.9	4.7	6	4	12	81	122	15	1	0	0	0	0	0
Wed 7 Jun 2023	227	29.3	24.3	4.9	4	7	14	101	86	12	2	1	0	0	0	0
Thu 8 Jun 2023	215	30.1	25.1	4.8	4	5	7	86	89	22	2	0	0	0	0	0
Fri 9 Jun 2023	240	29.8	24.8	4.7	4	8	9	89	114	13	3	0	0	0	0	0
Sat 10 Jun 2023	253	31.6	26.9	4.5	1	0	8	68	133	34	4	5	0	0	0	0
Sun 11 Jun 2023	189	30.2	25.5	4.5	0	6	8	67	88	17	2	1	0	0	0	0
Mon 12 Jun 2023	231	30.3	25.1	5.0	3	8	13	75	107	22	3	0	0	0	0	0
5 Day Ave.	231	29.9	24.9	4.8	4	6	11	86	104	17	2	0	0	0	0	0
7 Day Ave.	228	30.1	25.2	4.7	3	5	10	81	106	19	2	1	0	0	0	0

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	485	29.9	24.9	4.8	7	15	31	161	227	42	2	0	0	0	0	0
Wed 7 Jun 2023	478	30.0	24.6	5.2	6	22	30	183	189	40	7	1	0	0	0	0
Thu 8 Jun 2023	443	30.3	25.3	4.9	5	13	21	155	200	43	4	2	0	0	0	0
Fri 9 Jun 2023	455	30.6	25.4	5.0	6	13	22	152	201	53	8	0	0	0	0	0
Sat 10 Jun 2023	516	31.6	27.0	4.4	2	2	15	127	275	78	12	5	0	0	0	0
Sun 11 Jun 2023	392	30.9	26.0	4.8	1	13	16	113	188	56	4	1	0	0	0	0
Mon 12 Jun 2023	437	30.3	25.4	4.8	4	11	27	139	205	46	5	0	0	0	0	0
5 Day Ave.	460	30.2	25.1	4.9	6	15	26	158	204	45	5	1	0	0	0	0
7 Day Ave.	458	30.5	25.5	4.8	4	13	23	147	212	51	6	1	0	0	0	0

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Tween Bridge ATC 5, Coulman Street

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	403	29.5	24.3	5.1	4	20	36	147	162	31	3	0	0	0	0	0
Wed 7 Jun 2023	395	30.1	25.0	4.9	3	10	36	139	160	43	3	1	0	0	0	0
Thu 8 Jun 2023	397	29.6	24.3	5.1	5	16	48	125	171	29	3	0	0	0	0	0
Fri 9 Jun 2023	471	29.4	23.7	5.6	9	35	44	177	161	44	1	0	0	0	0	0
Sat 10 Jun 2023	239	31.5	26.3	5.1	4	6	8	60	114	44	3	0	0	0	0	0
Sun 11 Jun 2023	171	31.6	27.2	4.2	0	3	4	32	97	31	4	0	0	0	0	0
Mon 12 Jun 2023	378	28.7	23.7	4.9	2	17	56	146	132	24	1	0	0	0	0	0
5 Day Ave.	409	29.5	24.2	5.1	5	20	44	147	157	34	2	0	0	0	0	0
7 Day Ave.	351	30.1	24.9	5.0	4	15	33	118	142	35	3	0	0	0	0	0

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Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	383	30.2	25.2	4.8	1	11	27	133	170	34	6	0	1	0	0	0
Wed 7 Jun 2023	377	30.4	24.9	5.2	6	17	20	125	167	38	3	1	0	0	0	0
Thu 8 Jun 2023	355	30.7	25.0	5.5	7	17	20	112	154	40	4	0	1	0	0	0
Fri 9 Jun 2023	439	30.2	25.3	4.7	3	8	27	166	184	44	6	0	1	0	0	0
Sat 10 Jun 2023	273	30.4	24.5	5.7	7	15	20	88	112	27	3	1	0	0	0	0
Sun 11 Jun 2023	209	31.6	26.6	4.8	1	4	6	59	95	39	4	1	0	0	0	0
Mon 12 Jun 2023	370	29.5	25.0	4.4	2	10	18	147	160	32	1	0	0	0	0	0
5 Day Ave.	385	30.2	25.1	4.9	4	13	22	137	167	38	4	0	1	0	0	0
7 Day Ave.	344	30.4	25.2	5.0	4	12	20	119	149	36	4	0	0	0	0	0

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	786	29.9	24.8	4.9	5	31	63	280	332	65	9	0	1	0	0	0
Wed 7 Jun 2023	772	30.2	25.0	5.1	9	27	56	264	327	81	6	2	0	0	0	0
Thu 8 Jun 2023	752	30.2	24.6	5.3	12	33	68	237	325	69	7	0	1	0	0	0
Fri 9 Jun 2023	910	29.9	24.5	5.2	12	43	71	343	345	88	7	0	1	0	0	0
Sat 10 Jun 2023	512	31.0	25.3	5.5	11	21	28	148	226	71	6	1	0	0	0	0
Sun 11 Jun 2023	380	31.6	26.9	4.6	1	7	10	91	192	70	8	1	0	0	0	0
Mon 12 Jun 2023	748	29.1	24.3	4.7	4	27	74	293	292	56	2	0	0	0	0	0
5 Day Ave.	794	29.8	24.6	5.0	8	32	66	283	324	72	6	0	1	0	0	0
7 Day Ave.	694	30.3	25.0	5.0	8	27	53	237	291	71	6	1	0	0	0	0

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Tween Bridge ATC 5, Coulman Street

Direction: Southbound					
06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	5	1	0	0
01:00	4	4	0	0	0
02:00	3	1	2	0	0
03:00	1	1	0	0	0
04:00	10	10	0	0	0
05:00	47	38	8	0	1
06:00	55	47	8	0	0
07:00	138	121	15	0	2
08:00	291	266	25	0	0
09:00	105	88	16	0	1
10:00	122	99	22	0	1
11:00	122	104	18	0	0
12:00	127	108	18	0	1
13:00	136	115	20	0	1
14:00	198	182	16	0	0
15:00	205	180	23	1	1
16:00	198	179	17	0	2
17:00	157	141	16	0	0
18:00	124	116	8	0	0
19:00	121	111	10	0	0
20:00	59	53	6	0	0
21:00	36	31	5	0	0
22:00	24	22	2	0	0
23:00	9	9	0	0	0
Total					
12H(7-19)	1923	1699	214	1	9
16H(6-22)	2194	1941	243	1	9
18H(6-24)	2227	1972	245	1	9
24H(0-24)	2298	2031	256	1	10
AM Peak	08:00 291	08:00 266	08:00 25	00:00 0	07:00 2
PM Peak	15:00 205	14:00 182	15:00 23	15:00 1	16:00 2

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Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	2	2	0	0	0
02:00	2	1	1	0	0
03:00	6	6	0	0	0
04:00	15	15	0	0	0
05:00	46	45	1	0	0
06:00	71	61	10	0	0
07:00	120	112	8	0	0
08:00	256	243	13	0	0
09:00	137	134	1	0	2
10:00	131	121	10	0	0
11:00	110	103	7	0	0
12:00	156	136	19	1	0
13:00	132	118	13	1	0
14:00	154	140	13	0	1
15:00	229	208	21	0	0
16:00	188	172	15	0	1
17:00	197	182	15	0	0
18:00	143	130	13	0	0
19:00	88	83	4	1	0
20:00	59	56	3	0	0
21:00	62	58	4	0	0
22:00	19	18	1	0	0
23:00	11	9	2	0	0
Total					
12H(7-19)	1953	1799	148	2	4
16H(6-22)	2233	2057	169	3	4
18H(6-24)	2263	2084	172	3	4
24H(0-24)	2342	2161	174	3	4
AM Peak	08:00 256	08:00 243	08:00 13	00:00 0	09:00 2
PM Peak	15:00 229	15:00 208	15:00 21	12:00 1	14:00 1

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Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	13	1	0	0
01:00	6	6	0	0	0
02:00	5	2	3	0	0
03:00	7	7	0	0	0
04:00	25	25	0	0	0
05:00	93	83	9	0	1
06:00	126	108	18	0	0
07:00	258	233	23	0	2
08:00	547	509	38	0	0
09:00	242	222	17	0	3
10:00	253	220	32	0	1
11:00	232	207	25	0	0
12:00	283	244	37	1	1
13:00	268	233	33	1	1
14:00	352	322	29	0	1
15:00	434	388	44	1	1
16:00	386	351	32	0	3
17:00	354	323	31	0	0
18:00	267	246	21	0	0
19:00	209	194	14	1	0
20:00	118	109	9	0	0
21:00	98	89	9	0	0
22:00	43	40	3	0	0
23:00	20	18	2	0	0
Total					
12H(7-19)	3876	3498	362	3	13
16H(6-22)	4427	3998	412	4	13
18H(6-24)	4490	4056	417	4	13
24H(0-24)	4640	4192	430	4	14
AM Peak	08:00 547	08:00 509	08:00 38	00:00 0	09:00 3
PM Peak	15:00 434	15:00 388	15:00 44	12:00 1	16:00 3

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	6	5	1	0	0
02:00	2	1	1	0	0
03:00	2	2	0	0	0
04:00	5	5	0	0	0
05:00	51	46	5	0	0
06:00	58	51	6	0	1
07:00	142	129	13	0	0
08:00	276	258	18	0	0
09:00	111	94	17	0	0
10:00	138	114	23	0	1
11:00	113	98	13	1	1
12:00	124	105	19	0	0
13:00	137	115	21	0	1
14:00	183	163	19	0	1
15:00	212	178	34	0	0
16:00	199	180	19	0	0
17:00	195	176	19	0	0
18:00	121	110	11	0	0
19:00	85	79	6	0	0
20:00	84	80	4	0	0
21:00	37	36	1	0	0
22:00	30	29	1	0	0
23:00	17	15	1	1	0
Total					
12H(7-19)	1951	1720	226	1	4
16H(6-22)	2215	1966	243	1	5
18H(6-24)	2262	2010	245	2	5
24H(0-24)	2331	2072	252	2	5
AM Peak	08:00 276	08:00 258	10:00 23	11:00 1	06:00 1
PM Peak	15:00 212	16:00 180	15:00 34	23:00 1	13:00 1

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	4	4	0	0	0
02:00	3	3	0	0	0
03:00	4	4	0	0	0
04:00	11	10	0	0	1
05:00	52	51	1	0	0
06:00	63	58	5	0	0
07:00	124	111	13	0	0
08:00	232	220	12	0	0
09:00	131	118	13	0	0
10:00	112	102	10	0	0
11:00	115	106	8	0	1
12:00	118	102	15	1	0
13:00	135	116	18	0	1
14:00	157	131	24	0	2
15:00	220	195	24	0	1
16:00	202	174	28	0	0
17:00	203	191	12	0	0
18:00	133	119	14	0	0
19:00	107	99	7	1	0
20:00	75	70	5	0	0
21:00	64	63	1	0	0
22:00	21	18	3	0	0
23:00	10	10	0	0	0
Total					
12H(7-19)	1882	1685	191	1	5
16H(6-22)	2191	1975	209	2	5
18H(6-24)	2222	2003	212	2	5
24H(0-24)	2300	2079	213	2	6
AM Peak	08:00 232	08:00 220	07:00 13	00:00 0	04:00 1
PM Peak	15:00 220	15:00 195	16:00 28	12:00 1	14:00 2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	10	9	1	0	0
02:00	5	4	1	0	0
03:00	6	6	0	0	0
04:00	16	15	0	0	1
05:00	103	97	6	0	0
06:00	121	109	11	0	1
07:00	266	240	26	0	0
08:00	508	478	30	0	0
09:00	242	212	30	0	0
10:00	250	216	33	0	1
11:00	228	204	21	1	2
12:00	242	207	34	1	0
13:00	272	231	39	0	2
14:00	340	294	43	0	3
15:00	432	373	58	0	1
16:00	401	354	47	0	0
17:00	398	367	31	0	0
18:00	254	229	25	0	0
19:00	192	178	13	1	0
20:00	159	150	9	0	0
21:00	101	99	2	0	0
22:00	51	47	4	0	0
23:00	27	25	1	1	0
Total					
12H(7-19)	3833	3405	417	2	9
16H(6-22)	4406	3941	452	3	10
18H(6-24)	4484	4013	457	4	10
24H(0-24)	4631	4151	465	4	11
AM Peak	08:00 508	08:00 478	10:00 33	11:00 1	11:00 2
PM Peak	15:00 432	15:00 373	15:00 58	12:00 1	14:00 3

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound					
08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	6	5	1	0	0
02:00	1	1	0	0	0
03:00	1	1	0	0	0
04:00	9	9	0	0	0
05:00	41	39	2	0	0
06:00	54	47	7	0	0
07:00	151	137	14	0	0
08:00	263	242	21	0	0
09:00	102	90	11	0	1
10:00	112	84	24	3	1
11:00	116	89	25	2	0
12:00	106	86	17	1	2
13:00	171	159	10	1	1
14:00	200	176	22	1	1
15:00	197	169	28	0	0
16:00	193	170	23	0	0
17:00	174	156	18	0	0
18:00	143	132	10	0	1
19:00	106	99	7	0	0
20:00	82	77	5	0	0
21:00	49	45	4	0	0
22:00	28	27	1	0	0
23:00	9	9	0	0	0
Total					
12H(7-19)	1928	1690	223	8	7
16H(6-22)	2219	1958	246	8	7
18H(6-24)	2256	1994	247	8	7
24H(0-24)	2318	2053	250	8	7
AM Peak	08:00 263	08:00 242	11:00 25	10:00 3	09:00 1
PM Peak	14:00 200	14:00 176	15:00 28	12:00 1	12:00 2

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	6	0	0	0
01:00	1	1	0	0	0
02:00	4	4	0	0	0
03:00	4	3	1	0	0
04:00	17	16	1	0	0
05:00	49	47	2	0	0
06:00	63	54	8	0	1
07:00	122	113	9	0	0
08:00	230	215	13	1	1
09:00	117	106	11	0	0
10:00	103	93	9	0	1
11:00	112	96	15	1	0
12:00	118	96	21	0	1
13:00	168	148	17	0	3
14:00	155	128	25	1	1
15:00	200	175	23	1	1
16:00	198	170	28	0	0
17:00	194	175	19	0	0
18:00	145	130	14	0	1
19:00	114	107	7	0	0
20:00	90	86	4	0	0
21:00	69	66	3	0	0
22:00	34	31	3	0	0
23:00	9	9	0	0	0
Total					
12H(7-19)	1862	1645	204	4	9
16H(6-22)	2198	1958	226	4	10
18H(6-24)	2241	1998	229	4	10
24H(0-24)	2322	2075	233	4	10
AM Peak	08:00 230	08:00 215	11:00 15	08:00 1	06:00 1
PM Peak	15:00 200	15:00 175	16:00 28	14:00 1	13:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	10	0	0	0
01:00	7	6	1	0	0
02:00	5	5	0	0	0
03:00	5	4	1	0	0
04:00	26	25	1	0	0
05:00	90	86	4	0	0
06:00	117	101	15	0	1
07:00	273	250	23	0	0
08:00	493	457	34	1	1
09:00	219	196	22	0	1
10:00	215	177	33	3	2
11:00	228	185	40	3	0
12:00	224	182	38	1	3
13:00	339	307	27	1	4
14:00	355	304	47	2	2
15:00	397	344	51	1	1
16:00	391	340	51	0	0
17:00	368	331	37	0	0
18:00	288	262	24	0	2
19:00	220	206	14	0	0
20:00	172	163	9	0	0
21:00	118	111	7	0	0
22:00	62	58	4	0	0
23:00	18	18	0	0	0
Total					
12H(7-19)	3790	3335	427	12	16
16H(6-22)	4417	3916	472	12	17
18H(6-24)	4497	3992	476	12	17
24H(0-24)	4640	4128	483	12	17
AM Peak	08:00 493	08:00 457	11:00 40	10:00 3	10:00 2
PM Peak	15:00 397	15:00 344	15:00 51	14:00 2	13:00 4

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound					
09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	5	3	2	0	0
02:00	1	0	1	0	0
03:00	4	4	0	0	0
04:00	11	10	1	0	0
05:00	44	39	5	0	0
06:00	51	45	5	0	1
07:00	125	111	13	0	1
08:00	262	244	18	0	0
09:00	126	108	16	0	2
10:00	113	94	18	0	1
11:00	102	90	12	0	0
12:00	128	110	16	0	2
13:00	147	122	23	2	0
14:00	223	194	28	1	0
15:00	248	215	31	1	1
16:00	214	189	24	1	0
17:00	201	183	18	0	0
18:00	164	149	15	0	0
19:00	128	118	10	0	0
20:00	99	86	13	0	0
21:00	74	70	4	0	0
22:00	41	41	0	0	0
23:00	9	9	0	0	0
Total					
12H(7-19)	2053	1809	232	5	7
16H(6-22)	2405	2128	264	5	8
18H(6-24)	2455	2178	264	5	8
24H(0-24)	2521	2235	273	5	8
AM Peak	08:00 262	08:00 244	08:00 18	00:00 0	09:00 2
PM Peak	15:00 248	15:00 215	15:00 31	13:00 2	12:00 2

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	0	0	0	0	0
02:00	3	3	0	0	0
03:00	7	5	2	0	0
04:00	17	17	0	0	0
05:00	64	61	3	0	0
06:00	62	53	9	0	0
07:00	106	96	10	0	0
08:00	225	210	14	0	1
09:00	95	84	10	0	1
10:00	121	96	24	0	1
11:00	119	104	14	0	1
12:00	126	107	17	0	2
13:00	159	125	32	0	2
14:00	176	144	28	3	1
15:00	263	222	39	0	2
16:00	225	192	33	0	0
17:00	211	185	25	1	0
18:00	183	165	18	0	0
19:00	153	138	14	0	1
20:00	96	93	3	0	0
21:00	80	72	7	1	0
22:00	42	40	2	0	0
23:00	17	16	1	0	0
Total					
12H(7-19)	2009	1730	264	4	11
16H(6-22)	2400	2086	297	5	12
18H(6-24)	2459	2142	300	5	12
24H(0-24)	2551	2229	305	5	12
AM Peak	08:00 225	08:00 210	10:00 24	00:00 0	08:00 1
PM Peak	15:00 263	15:00 222	15:00 39	14:00 3	12:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	5	3	2	0	0
02:00	4	3	1	0	0
03:00	11	9	2	0	0
04:00	28	27	1	0	0
05:00	108	100	8	0	0
06:00	113	98	14	0	1
07:00	231	207	23	0	1
08:00	487	454	32	0	1
09:00	221	192	26	0	3
10:00	234	190	42	0	2
11:00	221	194	26	0	1
12:00	254	217	33	0	4
13:00	306	247	55	2	2
14:00	399	338	56	4	1
15:00	511	437	70	1	3
16:00	439	381	57	1	0
17:00	412	368	43	1	0
18:00	347	314	33	0	0
19:00	281	256	24	0	1
20:00	195	179	16	0	0
21:00	154	142	11	1	0
22:00	83	81	2	0	0
23:00	26	25	1	0	0
Total					
12H(7-19)	4062	3539	496	9	18
16H(6-22)	4805	4214	561	10	20
18H(6-24)	4914	4320	564	10	20
24H(0-24)	5072	4464	578	10	20
AM Peak	08:00 487	08:00 454	10:00 42	00:00 0	09:00 3
PM Peak	15:00 511	15:00 437	15:00 70	14:00 4	12:00 4

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	6	0	0	0
01:00	7	4	3	0	0
02:00	2	2	0	0	0
03:00	0	0	0	0	0
04:00	3	2	1	0	0
05:00	21	20	1	0	0
06:00	27	23	4	0	0
07:00	114	106	8	0	0
08:00	154	145	9	0	0
09:00	110	96	13	1	0
10:00	123	108	15	0	0
11:00	140	125	15	0	0
12:00	137	121	16	0	0
13:00	129	116	13	0	0
14:00	126	115	11	0	0
15:00	113	101	12	0	0
16:00	109	97	12	0	0
17:00	101	95	6	0	0
18:00	111	103	8	0	0
19:00	80	76	4	0	0
20:00	75	72	3	0	0
21:00	35	34	1	0	0
22:00	43	40	2	1	0
23:00	19	18	1	0	0
Total					
12H(7-19)	1467	1328	138	1	0
16H(6-22)	1684	1533	150	1	0
18H(6-24)	1746	1591	153	2	0
24H(0-24)	1785	1625	158	2	0
AM Peak	08:00 154	08:00 145	10:00 15	09:00 1	00:00 0
PM Peak	12:00 137	12:00 121	12:00 16	22:00 1	12:00 0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	1	0	0
01:00	7	5	2	0	0
02:00	3	2	1	0	0
03:00	3	3	0	0	0
04:00	4	4	0	0	0
05:00	14	12	2	0	0
06:00	17	15	2	0	0
07:00	55	45	10	0	0
08:00	72	58	13	0	1
09:00	93	77	16	0	0
10:00	119	93	25	0	1
11:00	134	123	11	0	0
12:00	117	101	16	0	0
13:00	124	111	13	0	0
14:00	142	129	13	0	0
15:00	131	116	13	1	1
16:00	111	98	12	1	0
17:00	116	104	12	0	0
18:00	113	103	9	1	0
19:00	84	81	3	0	0
20:00	75	64	11	0	0
21:00	51	46	5	0	0
22:00	40	37	3	0	0
23:00	15	15	0	0	0
Total					
12H(7-19)	1327	1158	163	3	3
16H(6-22)	1554	1364	184	3	3
18H(6-24)	1609	1416	187	3	3
24H(0-24)	1648	1449	193	3	3
AM Peak	11:00 134	11:00 123	10:00 25	00:00 0	08:00 1
PM Peak	14:00 142	14:00 129	12:00 16	15:00 1	15:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	13	1	0	0
01:00	14	9	5	0	0
02:00	5	4	1	0	0
03:00	3	3	0	0	0
04:00	7	6	1	0	0
05:00	35	32	3	0	0
06:00	44	38	6	0	0
07:00	169	151	18	0	0
08:00	226	203	22	0	1
09:00	203	173	29	1	0
10:00	242	201	40	0	1
11:00	274	248	26	0	0
12:00	254	222	32	0	0
13:00	253	227	26	0	0
14:00	268	244	24	0	0
15:00	244	217	25	1	1
16:00	220	195	24	1	0
17:00	217	199	18	0	0
18:00	224	206	17	1	0
19:00	164	157	7	0	0
20:00	150	136	14	0	0
21:00	86	80	6	0	0
22:00	83	77	5	1	0
23:00	34	33	1	0	0
Total					
12H(7-19)	2794	2486	301	4	3
16H(6-22)	3238	2897	334	4	3
18H(6-24)	3355	3007	340	5	3
24H(0-24)	3433	3074	351	5	3
AM Peak	11:00 274	11:00 248	10:00 40	09:00 1	08:00 1
PM Peak	14:00 268	14:00 244	12:00 32	15:00 1	15:00 1

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound					
11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	6	2	0	0
01:00	4	4	0	0	0
02:00	1	0	1	0	0
03:00	2	2	0	0	0
04:00	5	5	0	0	0
05:00	8	7	1	0	0
06:00	16	15	1	0	0
07:00	25	23	2	0	0
08:00	35	33	2	0	0
09:00	56	51	4	1	0
10:00	97	90	7	0	0
11:00	106	96	9	1	0
12:00	116	107	9	0	0
13:00	137	129	7	1	0
14:00	75	73	2	0	0
15:00	96	91	5	0	0
16:00	93	80	12	1	0
17:00	156	132	23	1	0
18:00	97	89	8	0	0
19:00	93	91	1	0	1
20:00	51	47	4	0	0
21:00	46	44	2	0	0
22:00	13	12	1	0	0
23:00	10	9	1	0	0
Total					
12H(7-19)	1089	994	90	5	0
16H(6-22)	1295	1191	98	5	1
18H(6-24)	1318	1212	100	5	1
24H(0-24)	1346	1236	104	5	1
AM Peak	11:00	11:00	11:00	09:00	00:00
	106	96	9	1	0
PM Peak	17:00	17:00	17:00	13:00	19:00
	156	132	23	1	1

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	1	1	0	0	0
02:00	1	0	1	0	0
03:00	1	1	0	0	0
04:00	2	2	0	0	0
05:00	6	6	0	0	0
06:00	10	7	3	0	0
07:00	16	12	4	0	0
08:00	101	75	23	1	2
09:00	43	38	5	0	0
10:00	81	70	11	0	0
11:00	108	101	7	0	0
12:00	87	83	4	0	0
13:00	134	122	12	0	0
14:00	114	105	9	0	0
15:00	95	85	10	0	0
16:00	112	101	11	0	0
17:00	96	86	9	1	0
18:00	99	87	12	0	0
19:00	106	85	20	1	0
20:00	79	74	4	0	1
21:00	43	38	4	0	1
22:00	22	21	1	0	0
23:00	5	5	0	0	0
Total					
12H(7-19)	1086	965	117	2	2
16H(6-22)	1324	1169	148	3	4
18H(6-24)	1351	1195	149	3	4
24H(0-24)	1369	1212	150	3	4
AM Peak	11:00	11:00	08:00	08:00	08:00
	108	101	23	1	2
PM Peak	13:00	13:00	19:00	17:00	20:00
	134	122	20	1	1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	13	2	0	0
01:00	5	5	0	0	0
02:00	2	0	2	0	0
03:00	3	3	0	0	0
04:00	7	7	0	0	0
05:00	14	13	1	0	0
06:00	26	22	4	0	0
07:00	41	35	6	0	0
08:00	136	108	25	1	2
09:00	99	89	9	1	0
10:00	178	160	18	0	0
11:00	214	197	16	1	0
12:00	203	190	13	0	0
13:00	271	251	19	1	0
14:00	189	178	11	0	0
15:00	191	176	15	0	0
16:00	205	181	23	1	0
17:00	252	218	32	2	0
18:00	196	176	20	0	0
19:00	199	176	21	1	1
20:00	130	121	8	0	1
21:00	89	82	6	0	1
22:00	35	33	2	0	0
23:00	15	14	1	0	0
Total					
12H(7-19)	2175	1959	207	7	2
16H(6-22)	2619	2360	246	8	5
18H(6-24)	2669	2407	249	8	5
24H(0-24)	2715	2448	254	8	5
AM Peak	11:00	11:00	08:00	08:00	08:00
	214	197	25	1	2
PM Peak	13:00	13:00	17:00	17:00	19:00
	271	251	32	2	1

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound					
12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	3	2	1	0	0
04:00	13	10	3	0	0
05:00	46	38	8	0	0
06:00	64	53	10	0	1
07:00	131	116	13	0	2
08:00	271	247	24	0	0
09:00	108	87	20	1	0
10:00	96	79	16	1	0
11:00	110	90	18	1	1
12:00	125	109	16	0	0
13:00	118	106	11	1	0
14:00	181	161	19	0	1
15:00	197	159	34	2	2
16:00	161	141	20	0	0
17:00	147	132	15	0	0
18:00	100	90	10	0	0
19:00	75	67	7	0	1
20:00	32	30	2	0	0
21:00	20	20	0	0	0
22:00	15	14	1	0	0
23:00	7	6	1	0	0
Total					
12H(7-19)	1745	1517	216	6	6
16H(6-22)	1936	1687	235	6	8
18H(6-24)	1958	1707	237	6	8
24H(0-24)	2023	1760	249	6	8
AM Peak	08:00 271	08:00 247	08:00 24	09:00 1	07:00 2
PM Peak	15:00 197	14:00 161	15:00 34	15:00 2	15:00 2

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	1	0	0
01:00	3	2	1	0	0
02:00	2	2	0	0	0
03:00	6	5	1	0	0
04:00	15	13	1	0	1
05:00	42	39	3	0	0
06:00	75	70	5	0	0
07:00	101	81	18	0	2
08:00	216	187	28	1	0
09:00	108	89	17	1	1
10:00	101	82	18	0	1
11:00	130	106	22	2	0
12:00	124	102	20	0	2
13:00	116	98	18	0	0
14:00	143	119	23	0	1
15:00	227	198	26	1	2
16:00	195	152	43	0	0
17:00	161	143	18	0	0
18:00	127	114	11	0	2
19:00	72	63	8	0	1
20:00	52	48	3	0	1
21:00	57	55	2	0	0
22:00	16	15	1	0	0
23:00	10	10	0	0	0
Total					
12H(7-19)	1749	1471	262	5	11
16H(6-22)	2005	1707	280	5	13
18H(6-24)	2031	1732	281	5	13
24H(0-24)	2103	1796	288	5	14
AM Peak	08:00 216	08:00 187	08:00 28	11:00 2	07:00 2
PM Peak	15:00 227	15:00 198	16:00 43	15:00 1	12:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	1	0	0
01:00	4	3	1	0	0
02:00	4	4	0	0	0
03:00	9	7	2	0	0
04:00	28	23	4	0	1
05:00	88	77	11	0	0
06:00	139	123	15	0	1
07:00	232	197	31	0	4
08:00	487	434	52	1	0
09:00	216	176	37	2	1
10:00	197	161	34	1	1
11:00	240	196	40	3	1
12:00	249	211	36	0	2
13:00	234	204	29	1	0
14:00	324	280	42	0	2
15:00	424	357	60	3	4
16:00	356	293	63	0	0
17:00	308	275	33	0	0
18:00	227	204	21	0	2
19:00	147	130	15	0	2
20:00	84	78	5	0	1
21:00	77	75	2	0	0
22:00	31	29	2	0	0
23:00	17	16	1	0	0
Total					
12H(7-19)	3494	2988	478	11	17
16H(6-22)	3941	3394	515	11	21
18H(6-24)	3989	3439	518	11	21
24H(0-24)	4126	3556	537	11	22
AM Peak	08:00 487	08:00 434	08:00 52	11:00 3	07:00 4
PM Peak	15:00 424	15:00 357	16:00 63	15:00 3	15:00 4

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	6	32.1	27.5	4.5	0	0	0	2	2	2	0	0	0	0	0	0
01:00	4	36.7	32.5	4.1	0	0	0	0	1	2	1	0	0	0	0	0
02:00	3	33.8	30.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
03:00	1	-	37.5	-	0	0	0	0	0	0	1	0	0	0	0	0
04:00	10	26.6	20.5	5.9	0	2	3	2	3	0	0	0	0	0	0	0
05:00	47	30.5	23.7	6.6	2	4	6	10	19	6	0	0	0	0	0	0
06:00	55	31.5	25.2	6.0	1	5	3	8	31	6	1	0	0	0	0	0
07:00	138	31.0	26.0	4.8	0	4	7	43	60	21	3	0	0	0	0	0
08:00	291	27.8	22.0	5.6	10	28	46	118	79	9	1	0	0	0	0	0
09:00	105	29.7	24.5	5.1	1	5	9	37	42	11	0	0	0	0	0	0
10:00	122	30.0	24.8	5.1	0	7	11	38	53	12	1	0	0	0	0	0
11:00	122	30.1	25.1	4.8	1	4	8	42	52	15	0	0	0	0	0	0
12:00	127	31.0	25.7	5.2	1	4	7	39	57	16	2	1	0	0	0	0
13:00	136	30.3	24.3	5.7	2	10	11	44	53	14	2	0	0	0	0	0
14:00	198	29.7	24.7	4.8	2	6	15	75	81	17	2	0	0	0	0	0
15:00	205	29.3	23.9	5.2	2	14	21	72	81	14	1	0	0	0	0	0
16:00	198	29.6	25.0	4.4	2	4	11	73	92	15	1	0	0	0	0	0
17:00	157	31.4	25.7	5.5	3	5	9	45	67	24	4	0	0	0	0	0
18:00	124	31.3	26.1	5.0	0	6	2	37	58	17	4	0	0	0	0	0
19:00	121	31.7	27.0	4.5	0	0	5	34	55	23	3	1	0	0	0	0
20:00	59	32.6	26.5	5.9	1	3	3	10	26	15	1	0	0	0	0	0
21:00	36	31.4	26.3	5.0	0	1	3	8	16	8	0	0	0	0	0	0
22:00	24	34.3	26.0	8.0	0	3	2	6	5	4	4	0	0	0	0	0
23:00	9	35.1	28.1	6.8	0	0	1	1	5	1	0	1	0	0	0	0
Total																
2H(10-12)	244	30.0	24.9	4.9	1	11	19	80	105	27	1	0	0	0	0	0
2H(14-16)	403	29.5	24.3	5.1	4	20	36	147	162	31	3	0	0	0	0	0
12H(7-19)	1923	30.0	24.6	5.3	24	97	157	663	775	185	21	1	0	0	0	0
24H(0-24)	2298	30.4	24.8	5.4	28	115	183	744	939	254	32	3	0	0	0	0
AM Peak	08:00	01:00	03:00	05:00	08:00	08:00	08:00	08:00	08:00	07:00	07:00	00:00	00:00	00:00	00:00	00:00
	291	36.7	37.5	6.6	10	28	46	118	79	21	3	0	0	0	0	0
PM Peak	15:00	23:00	23:00	22:00	17:00	15:00	15:00	14:00	16:00	17:00	17:00	12:00	12:00	12:00	12:00	12:00
	205	35.1	28.1	8.0	3	14	21	75	92	24	4	1	0	0	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	8	31.4	28.1	3.2	0	0	0	1	5	2	0	0	0	0	0	0
01:00	2	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
02:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
03:00	6	31.2	25.8	5.2	0	0	1	1	3	1	0	0	0	0	0	0
04:00	15	29.9	21.8	7.8	0	5	1	2	5	2	0	0	0	0	0	0
05:00	46	30.1	24.1	5.7	1	3	5	13	19	5	0	0	0	0	0	0
06:00	71	32.1	26.4	5.5	1	3	1	17	37	9	2	1	0	0	0	0
07:00	120	28.3	24.4	3.7	0	1	11	54	49	5	0	0	0	0	0	0
08:00	256	29.2	25.1	3.9	2	4	5	109	122	12	2	0	0	0	0	0
09:00	137	28.7	24.5	4.0	0	3	11	60	55	8	0	0	0	0	0	0
10:00	131	29.5	24.1	5.2	6	2	7	53	56	6	1	0	0	0	0	0
11:00	110	29.9	25.9	3.8	0	2	5	28	66	9	0	0	0	0	0	0
12:00	156	29.8	25.3	4.4	0	5	8	53	78	11	0	1	0	0	0	0
13:00	132	29.4	24.7	4.5	0	5	10	48	60	8	1	0	0	0	0	0
14:00	154	29.6	24.5	4.9	0	8	16	50	69	9	2	0	0	0	0	0
15:00	229	30.6	25.7	4.7	1	3	11	83	101	25	4	0	1	0	0	0
16:00	188	30.2	25.9	4.1	0	2	9	62	93	19	3	0	0	0	0	0
17:00	197	29.9	26.0	3.8	1	3	4	53	124	10	2	0	0	0	0	0
18:00	143	31.5	25.8	5.5	4	4	4	37	74	18	1	0	1	0	0	0
19:00	88	30.4	24.8	5.5	0	7	9	20	41	11	0	0	0	0	0	0
20:00	59	31.9	27.8	4.0	0	0	2	6	42	6	2	1	0	0	0	0
21:00	62	31.8	23.9	7.7	1	12	6	10	17	15	1	0	0	0	0	0
22:00	19	34.7	27.0	7.4	0	2	0	5	6	4	1	1	0	0	0	0
23:00	11	31.0	25.7	5.1	0	1	0	2	7	1	0	0	0	0	0	0
Total																
2H(10-12)	241	29.8	24.9	4.7	6	4	12	81	122	15	1	0	0	0	0	0
2H(14-16)	383	30.2	25.2	4.8	1	11	27	133	170	34	6	0	1	0	0	0
12H(7-19)	1953	29.8	25.2	4.4	14	42	101	690	947	140	16	1	2	0	0	0
24H(0-24)	2342	30.1	25.3	4.7	17	75	126	768	1132	196	22	4	2	0	0	0
AM Peak	08:00	06:00	00:00	04:00	10:00	04:00	07:00	08:00	08:00	08:00	06:00	06:00	00:00	00:00	00:00	00:00
	256	32.1	28.1	7.8	6	5	11	109	122	12	2	1	0	0	0	0
PM Peak	15:00	22:00	20:00	21:00	18:00	21:00	14:00	15:00	17:00	15:00	15:00	12:00	15:00	12:00	12:00	12:00
	229	34.7	27.8	7.7	4	12	16	83	124	25	4	1	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	14	31.6	27.9	3.7	0	0	0	3	7	4	0	0	0	0	0	0
01:00	6	35.1	30.8	4.1	0	0	0	0	3	2	1	0	0	0	0	0
02:00	5	32.8	28.5	4.2	0	0	0	1	2	2	0	0	0	0	0	0
03:00	7	34.2	27.5	6.5	0	0	1	1	3	1	1	0	0	0	0	0
04:00	25	28.5	21.3	7.0	0	7	4	4	8	2	0	0	0	0	0	0
05:00	93	30.3	23.9	6.1	3	7	11	23	38	11	0	0	0	0	0	0
06:00	126	31.9	25.9	5.8	2	8	4	25	68	15	3	1	0	0	0	0
07:00	258	29.8	25.3	4.4	0	5	18	97	109	26	3	0	0	0	0	0
08:00	547	28.7	23.4	5.1	12	32	51	227	201	21	3	0	0	0	0	0
09:00	242	29.1	24.5	4.5	1	8	20	97	97	19	0	0	0	0	0	0
10:00	253	29.8	24.4	5.1	6	9	18	91	109	18	2	0	0	0	0	0
11:00	232	30.0	25.5	4.4	1	6	13	70	118	24	0	0	0	0	0	0
12:00	283	30.4	25.5	4.7	1	9	15	92	135	27	2	2	0	0	0	0
13:00	268	29.9	24.5	5.1	2	15	21	92	113	22	3	0	0	0	0	0
14:00	352	29.6	24.6	4.9	2	14	31	125	150	26	4	0	0	0	0	0
15:00	434	30.1	24.9	5.0	3	17	32	155	182	39	5	0	1	0	0	0
16:00	386	29.9	25.4	4.3	2	6	20	135	185	34	4	0	0	0	0	0
17:00	354	30.6	25.8	4.6	4	8	13	98	191	34	6	0	0	0	0	0
18:00	267	31.4	26.0	5.3	4	10	6	74	132	35	5	0	1	0	0	0
19:00	209	31.3	26.1	5.0	0	7	14	54	96	34	3	1	0	0	0	0
20:00	118	32.4	27.1	5.1	1	3	5	16	68	21	3	1	0	0	0	0
21:00	98	31.9	24.8	6.9	1	13	9	18	33	23	1	0	0	0	0	0
22:00	43	34.4	26.5	7.7	0	5	2	11	11	8	5	1	0	0	0	0
23:00	20	32.9	26.8	5.9	0	1	1	3	12	2	0	1	0	0	0	0
Total																
2H(10-12)	485	29.9	24.9	4.8	7	15	31	161	227	42	2	0	0	0	0	0
2H(14-16)	786	29.9	24.8	4.9	5	31	63	280	332	65	9	0	1	0	0	0
12H(7-19)	3876	29.9	24.9	4.9	38	139	258	1353	1722	325	37	2	2	0	0	0
24H(0-24)	4640	30.3	25.0	5.1	45	190	309	1512	2071	450	54	7	2	0	0	0
AM Peak	08:00	01:00	01:00	04:00	08:00	08:00	08:00	08:00	08:00	07:00	06:00	06:00	00:00	00:00	00:00	00:00
	547	35.1	30.8	7.0	12	32	51	227	201	26	3	1	0	0	0	0
PM Peak	15:00	22:00	20:00	22:00	17:00	15:00	15:00	15:00	17:00	15:00	17:00	12:00	15:00	12:00	12:00	12:00
	434	34.4	27.1	7.7	4	17	32	155	191	39	6	2	1	0	0	0

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	3	35.2	29.2	5.8	0	0	0	1	0	2	0	0	0	0	0	0
01:00	6	38.5	30.0	8.2	0	0	1	0	2	2	0	1	0	0	0	0
02:00	2	43.7	40.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
03:00	2	32.0	17.8	13.8	1	0	0	0	1	0	0	0	0	0	0	0
04:00	5	27.5	27.5	0.0	0	0	0	0	5	0	0	0	0	0	0	0
05:00	51	31.8	25.7	5.9	1	3	4	6	29	7	1	0	0	0	0	0
06:00	58	33.1	26.8	6.1	1	2	3	8	33	8	2	0	1	0	0	0
07:00	142	30.4	25.6	4.6	0	5	8	42	69	17	1	0	0	0	0	0
08:00	276	28.1	23.4	4.6	0	16	32	128	89	9	2	0	0	0	0	0
09:00	111	29.6	25.1	4.4	0	5	4	40	53	9	0	0	0	0	0	0
10:00	138	29.8	24.0	5.7	2	11	13	47	50	14	1	0	0	0	0	0
11:00	113	31.1	26.1	4.8	0	4	3	35	53	14	4	0	0	0	0	0
12:00	124	30.5	24.9	5.4	2	7	5	44	50	14	2	0	0	0	0	0
13:00	137	30.9	25.1	5.6	2	7	11	41	52	23	1	0	0	0	0	0
14:00	183	30.0	24.7	5.0	2	6	15	67	74	16	3	0	0	0	0	0
15:00	212	30.1	25.1	4.8	1	4	21	72	86	27	0	1	0	0	0	0
16:00	199	30.7	26.1	4.4	2	0	11	55	105	23	2	1	0	0	0	0
17:00	195	30.9	25.4	5.3	4	6	15	48	96	24	2	0	0	0	0	0
18:00	121	31.1	26.9	4.1	0	0	5	32	58	25	1	0	0	0	0	0
19:00	85	32.9	27.7	5.1	0	3	1	16	40	20	5	0	0	0	0	0
20:00	84	32.7	27.2	5.3	0	2	6	15	36	23	1	1	0	0	0	0
21:00	37	32.1	27.5	4.4	0	0	2	6	21	6	2	0	0	0	0	0
22:00	30	33.6	25.1	8.3	3	2	1	5	11	6	2	0	0	0	0	0
23:00	17	33.7	26.1	7.4	1	1	1	2	6	6	0	0	0	0	0	0
Total																
2H(10-12)	251	30.5	24.9	5.4	2	15	16	82	103	28	5	0	0	0	0	0
2H(14-16)	395	30.1	25.0	4.9	3	10	36	139	160	43	3	1	0	0	0	0
12H(7-19)	1951	30.2	25.1	5.0	15	71	143	651	835	215	19	2	0	0	0	0
24H(0-24)	2331	30.8	25.4	5.2	22	84	162	710	1019	295	33	5	1	0	0	0
AM Peak	08:00	02:00	02:00	03:00	10:00	08:00	08:00	08:00	08:00	07:00	11:00	01:00	06:00	00:00	00:00	00:00
	276	43.7	40.0	13.8	2	16	32	128	89	17	4	1	1	0	0	0
PM Peak	15:00	23:00	19:00	22:00	17:00	12:00	15:00	15:00	16:00	15:00	19:00	15:00	12:00	12:00	12:00	12:00
	212	33.7	27.7	8.3	4	7	21	72	105	27	5	1	0	0	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	27.5	27.5	0.0	0	0	0	0	4	0	0	0	0	0	0	0
01:00	4	36.0	27.5	8.2	0	0	1	0	2	0	1	0	0	0	0	0
02:00	3	28.8	25.8	2.9	0	0	0	1	2	0	0	0	0	0	0	0
03:00	4	34.9	25.0	9.6	0	1	0	1	0	2	0	0	0	0	0	0
04:00	11	28.0	20.3	7.5	1	3	0	3	4	0	0	0	0	0	0	0
05:00	52	31.1	24.8	6.1	2	3	1	16	25	4	0	1	0	0	0	0
06:00	63	32.7	28.1	4.4	0	1	1	9	33	16	3	0	0	0	0	0
07:00	124	29.3	25.6	3.6	0	1	5	44	65	9	0	0	0	0	0	0
08:00	232	29.0	25.0	3.9	1	6	8	87	124	5	1	0	0	0	0	0
09:00	131	30.2	24.4	5.6	3	7	6	53	48	12	1	1	0	0	0	0
10:00	112	29.4	24.0	5.2	3	4	9	45	45	4	2	0	0	0	0	0
11:00	115	29.3	24.5	4.6	1	3	5	56	41	8	0	1	0	0	0	0
12:00	118	30.6	25.0	5.4	0	9	8	31	56	12	2	0	0	0	0	0
13:00	135	29.8	23.7	5.8	4	9	16	39	56	10	1	0	0	0	0	0
14:00	157	30.5	25.1	5.2	2	5	11	51	70	15	2	1	0	0	0	0
15:00	220	30.3	24.8	5.3	4	12	9	74	97	23	1	0	0	0	0	0
16:00	202	30.9	26.4	4.3	0	3	6	60	100	28	5	0	0	0	0	0
17:00	203	32.6	26.7	5.7	1	2	4	64	102	24	3	1	0	0	0	2
18:00	133	31.4	26.1	5.1	3	2	3	38	68	14	5	0	0	0	0	0
19:00	107	31.8	25.9	5.6	0	9	3	23	53	17	1	1	0	0	0	0
20:00	75	32.4	27.4	4.8	0	1	1	19	37	11	6	0	0	0	0	0
21:00	64	31.1	25.3	5.5	1	2	1	27	27	3	1	2	0	0	0	0
22:00	21	33.5	27.7	5.6	0	1	0	3	12	4	0	1	0	0	0	0
23:00	10	30.6	26.5	3.9	0	0	0	4	4	2	0	0	0	0	0	0
Total																
2H(10-12)	227	29.3	24.3	4.9	4	7	14	101	86	12	2	1	0	0	0	0
2H(14-16)	377	30.4	24.9	5.2	6	17	20	125	167	38	3	1	0	0	0	0
12H(7-19)	1882	30.4	25.2	5.0	22	63	90	642	872	164	23	4	0	0	0	2
24H(0-24)	2300	30.8	25.4	5.2	26	84	98	748	1075	223	35	9	0	0	0	2
AM Peak	08:00	01:00	06:00	03:00	09:00	09:00	10:00	08:00	08:00	06:00	06:00	05:00	00:00	00:00	00:00	00:00
	232	36.0	28.1	9.6	3	7	9	87	124	16	3	1	0	0	0	0
PM Peak	15:00	22:00	22:00	13:00	13:00	15:00	13:00	15:00	17:00	16:00	20:00	21:00	12:00	12:00	12:00	17:00
	220	33.5	27.7	5.8	4	12	16	74	102	28	6	2	0	0	0	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	7	31.8	28.2	3.5	0	0	0	1	4	2	0	0	0	0	0	0
01:00	10	37.1	29.0	7.8	0	0	2	0	4	2	1	1	0	0	0	0
02:00	5	40.0	31.5	8.2	0	0	0	1	2	0	1	1	0	0	0	0
03:00	6	33.3	22.6	10.3	1	1	0	1	1	2	0	0	0	0	0	0
04:00	16	29.8	22.5	7.0	1	3	0	3	9	0	0	0	0	0	0	0
05:00	103	31.5	25.3	6.0	3	6	5	22	54	11	1	1	0	0	0	0
06:00	121	33.0	27.5	5.3	1	3	4	17	66	24	5	0	1	0	0	0
07:00	266	29.9	25.6	4.2	0	6	13	86	134	26	1	0	0	0	0	0
08:00	508	28.6	24.1	4.3	1	22	40	215	213	14	3	0	0	0	0	0
09:00	242	29.9	24.7	5.0	3	12	10	93	101	21	1	1	0	0	0	0
10:00	250	29.6	24.0	5.5	5	15	22	92	95	18	3	0	0	0	0	0
11:00	228	30.3	25.3	4.8	1	7	8	91	94	22	4	1	0	0	0	0
12:00	242	30.6	25.0	5.4	2	16	13	75	106	26	4	0	0	0	0	0
13:00	272	30.4	24.4	5.8	6	16	27	80	108	33	2	0	0	0	0	0
14:00	340	30.2	24.9	5.1	4	11	26	118	144	31	5	1	0	0	0	0
15:00	432	30.2	25.0	5.0	5	16	30	146	183	50	1	1	0	0	0	0
16:00	401	30.8	26.3	4.4	2	3	17	115	205	51	7	1	0	0	0	0
17:00	398	31.8	26.0	5.6	5	8	19	112	198	48	5	1	0	0	0	2
18:00	254	31.3	26.5	4.6	3	2	8	70	126	39	6	0	0	0	0	0
19:00	192	32.4	26.7	5.5	0	12	4	39	93	37	6	1	0	0	0	0
20:00	159	32.5	27.3	5.0	0	3	7	34	73	34	7	1	0	0	0	0
21:00	101	31.5	26.1	5.2	1	2	3	33	48	9	3	2	0	0	0	0
22:00	51	33.8	26.2	7.3	3	3	1	8	23	10	2	1	0	0	0	0
23:00	27	32.7	26.2	6.2	1	1	1	6	10	8	0	0	0	0	0	0
Total																
2H(10-12)	478	30.0	24.6	5.2	6	22	30	183	189	40	7	1	0	0	0	0
2H(14-16)	772	30.2	25.0	5.1	9	27	56	264	327	81	6	2	0	0	0	0
12H(7-19)	3833	30.3	25.1	5.0	37	134	233	1293	1707	379	42	6	0	0	0	2
24H(0-24)	4631	30.8	25.4	5.2	48	168	260	1458	2094	518	68	14	1	0	0	2
AM Peak	08:00	02:00	02:00	03:00	10:00	08:00	08:00	08:00	08:00	07:00	06:00	01:00	06:00	00:00	00:00	00:00
	508	40.0	31.5	10.3	5	22	40	215	213	26	5	1	1	0	0	0
PM Peak	15:00	22:00	20:00	22:00	13:00	12:00	15:00	15:00	16:00	16:00	16:00	21:00	12:00	12:00	12:00	17:00
	432	33.8	27.3	7.3	6	16	30	146	205	51	7	2	0	0	0	2

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	39.4	28.8	10.3	0	0	1	0	2	0	0	1	0	0	0	0
01:00	6	34.1	25.0	8.8	0	1	0	3	0	1	1	0	0	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	0	0	1	0	0	0
03:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	9	32.5	29.7	2.6	0	0	0	0	5	4	0	0	0	0	0	0
05:00	41	31.0	24.1	6.6	1	6	1	9	20	3	1	0	0	0	0	0
06:00	54	31.8	25.6	6.0	1	4	2	11	28	6	2	0	0	0	0	0
07:00	151	29.7	25.3	4.3	0	3	11	49	77	10	0	1	0	0	0	0
08:00	263	28.1	23.0	4.9	1	20	39	108	83	12	0	0	0	0	0	0
09:00	102	30.4	25.1	5.1	2	4	5	31	50	9	1	0	0	0	0	0
10:00	112	30.0	25.1	4.7	0	5	5	41	52	7	1	1	0	0	0	0
11:00	116	31.1	25.8	5.1	1	3	9	28	59	14	1	1	0	0	0	0
12:00	106	30.8	24.7	5.9	1	10	5	31	46	10	3	0	0	0	0	0
13:00	171	30.8	24.7	5.9	4	13	9	46	78	19	2	0	0	0	0	0
14:00	200	29.2	23.6	5.4	4	12	24	73	74	11	2	0	0	0	0	0
15:00	197	30.0	25.1	4.7	1	4	24	52	97	18	1	0	0	0	0	0
16:00	193	30.7	26.4	4.2	2	0	6	52	109	21	2	1	0	0	0	0
17:00	174	30.8	26.6	4.0	0	3	2	47	94	26	2	0	0	0	0	0
18:00	143	31.2	26.7	4.3	0	3	2	38	75	21	4	0	0	0	0	0
19:00	106	31.8	26.8	4.8	0	3	5	20	56	19	3	0	0	0	0	0
20:00	82	32.1	27.4	4.6	0	2	2	16	39	22	1	0	0	0	0	0
21:00	49	30.4	26.1	4.2	0	1	3	11	28	6	0	0	0	0	0	0
22:00	28	35.3	27.9	7.1	1	1	0	5	12	5	3	1	0	0	0	0
23:00	9	32.1	28.1	3.9	0	0	0	2	4	3	0	0	0	0	0	0
Total																
2H(10-12)	228	30.5	25.4	4.9	1	8	14	69	111	21	2	2	0	0	0	0
2H(14-16)	397	29.6	24.3	5.1	5	16	48	125	171	29	3	0	0	0	0	0
12H(7-19)	1928	30.2	25.0	5.0	16	80	141	596	894	178	19	4	0	0	0	0
24H(0-24)	2318	30.6	25.3	5.1	19	98	155	673	1088	248	30	6	1	0	0	0
AM Peak	08:00	00:00	02:00	00:00	09:00	08:00	08:00	08:00	08:00	11:00	06:00	00:00	02:00	00:00	00:00	00:00
	263	39.4	47.5	10.3	2	20	39	108	83	14	2	1	1	0	0	0
PM Peak	14:00	22:00	23:00	22:00	13:00	13:00	14:00	14:00	16:00	17:00	18:00	16:00	12:00	12:00	12:00	12:00
	200	35.3	28.1	7.1	4	13	24	73	109	26	4	1	0	0	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	6	38.6	31.7	6.6	0	0	0	0	4	0	1	1	0	0	0	0
01:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
02:00	4	37.8	31.3	6.3	0	0	0	1	0	2	1	0	0	0	0	0
03:00	4	31.3	28.8	2.5	0	0	0	0	3	1	0	0	0	0	0	0
04:00	17	32.6	23.4	8.8	1	3	0	7	2	3	0	1	0	0	0	0
05:00	49	31.1	24.7	6.2	2	4	1	12	25	4	1	0	0	0	0	0
06:00	63	31.9	27.4	4.4	0	1	2	10	36	12	2	0	0	0	0	0
07:00	122	29.5	25.3	4.1	0	4	0	53	54	10	1	0	0	0	0	0
08:00	230	29.4	24.6	4.6	5	4	13	89	107	10	2	0	0	0	0	0
09:00	117	30.0	24.5	5.3	3	3	12	38	51	8	2	0	0	0	0	0
10:00	103	30.1	24.8	5.1	4	1	4	39	45	10	0	0	0	0	0	0
11:00	112	30.1	25.3	4.6	0	4	3	47	44	12	2	0	0	0	0	0
12:00	118	31.2	25.7	5.3	1	4	7	36	50	18	1	1	0	0	0	0
13:00	168	29.4	24.6	4.6	0	11	8	57	83	9	0	0	0	0	0	0
14:00	155	30.5	24.8	5.5	5	4	11	54	59	21	1	0	0	0	0	0
15:00	200	30.9	25.2	5.5	2	13	9	58	95	19	3	0	1	0	0	0
16:00	198	30.9	26.8	4.0	0	2	8	42	113	31	2	0	0	0	0	0
17:00	194	30.8	26.5	4.2	0	3	3	60	98	25	5	0	0	0	0	0
18:00	145	31.4	26.4	4.8	1	3	5	41	68	23	4	0	0	0	0	0
19:00	114	31.9	26.6	5.1	0	3	5	30	53	18	4	1	0	0	0	0
20:00	90	30.5	26.2	4.2	0	1	1	32	46	9	0	0	1	0	0	0
21:00	69	31.3	25.3	5.8	1	3	5	21	28	8	3	0	0	0	0	0
22:00	34	34.2	28.5	5.5	0	0	0	9	15	6	2	2	0	0	0	0
23:00	9	37.5	28.1	9.0	1	0	0	1	3	2	2	0	0	0	0	0
Total																
2H(10-12)	215	30.1	25.1	4.8	4	5	7	86	89	22	2	0	0	0	0	0
2H(14-16)	355	30.7	25.0	5.5	7	17	20	112	154	40	4	0	1	0	0	0
12H(7-19)	1862	30.4	25.4	4.9	21	56	83	614	867	196	23	1	1	0	0	0
24H(0-24)	2322	30.8	25.6	5.0	26	71	97	738	1082	261	39	6	2	0	0	0
AM Peak	08:00	00:00	00:00	04:00	08:00	05:00	08:00	08:00	08:00	06:00	06:00	00:00	00:00	00:00	00:00	00:00
	230	38.6	31.7	8.8	5	4	13	89	107	12	2	1	0	0	0	0
PM Peak	15:00	23:00	22:00	23:00	14:00	15:00	14:00	17:00	16:00	16:00	17:00	22:00	15:00	12:00	12:00	12:00
	200	37.5	28.5	9.0	5	13	11	60	113	31	5	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	10	38.7	30.5	7.9	0	0	1	0	6	0	1	2	0	0	0	0
01:00	7	33.0	24.6	8.1	0	1	0	4	0	1	1	0	0	0	0	0
02:00	5	43.9	34.5	9.1	0	0	0	1	0	2	1	0	1	0	0	0
03:00	5	32.3	29.5	2.7	0	0	0	0	3	2	0	0	0	0	0	0
04:00	26	33.7	25.6	7.8	1	3	0	7	7	7	0	1	0	0	0	0
05:00	90	31.0	24.4	6.4	3	10	2	21	45	7	2	0	0	0	0	0
06:00	117	32.0	26.6	5.2	1	5	4	21	64	18	4	0	0	0	0	0
07:00	273	29.6	25.3	4.2	0	7	11	102	131	20	1	1	0	0	0	0
08:00	493	28.8	23.7	4.9	6	24	52	197	190	22	2	0	0	0	0	0
09:00	219	30.2	24.7	5.2	5	7	17	69	101	17	3	0	0	0	0	0
10:00	215	30.0	25.0	4.9	4	6	9	80	97	17	1	1	0	0	0	0
11:00	228	30.6	25.6	4.8	1	7	12	75	103	26	3	1	0	0	0	0
12:00	224	31.0	25.2	5.6	2	14	12	67	96	28	4	1	0	0	0	0
13:00	339	30.1	24.7	5.3	4	24	17	103	161	28	2	0	0	0	0	0
14:00	355	29.8	24.1	5.5	9	16	35	127	133	32	3	0	0	0	0	0
15:00	397	30.4	25.1	5.1	3	17	33	110	192	37	4	0	1	0	0	0
16:00	391	30.8	26.6	4.1	2	2	14	94	222	52	4	1	0	0	0	0
17:00	368	30.8	26.5	4.1	0	6	5	107	192	51	7	0	0	0	0	0
18:00	288	31.3	26.5	4.6	1	6	7	79	143	44	8	0	0	0	0	0
19:00	220	31.8	26.7	4.9	0	6	10	50	109	37	7	1	0	0	0	0
20:00	172	31.3	26.7	4.4	0	3	3	48	85	31	1	0	1	0	0	0
21:00	118	31.0	25.6	5.2	1	4	8	32	56	14	3	0	0	0	0	0
22:00	62	34.7	28.2	6.2	1	1	0	14	27	11	5	3	0	0	0	0
23:00	18	35.1	28.1	6.7	1	0	0	3	7	5	2	0	0	0	0	0
Total																
2H(10-12)	443	30.3	25.3	4.9	5	13	21	155	200	43	4	2	0	0	0	0
2H(14-16)	752	30.2	24.6	5.3	12	33	68	237	325	69	7	0	1	0	0	0
12H(7-19)	3790	30.3	25.2	4.9	37	136	224	1210	1761	374	42	5	1	0	0	0
24H(0-24)	4640	30.7	25.4	5.1	45	169	252	1411	2170	509	69	12	3	0	0	0
AM Peak	08:00 493	02:00 43.9	02:00 34.5	02:00 9.1	08:00 6	08:00 24	08:00 52	08:00 197	08:00 190	11:00 26	06:00 4	00:00 2	02:00 1	00:00 0	00:00 0	00:00 0
PM Peak	15:00 397	23:00 35.1	22:00 28.2	23:00 6.7	14:00 9	13:00 24	14:00 35	14:00 127	16:00 222	16:00 52	18:00 8	22:00 3	15:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
01:00	5	40.4	34.5	5.7	0	0	0	0	1	2	1	1	0	0	0	0
02:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
03:00	4	32.5	32.5	0.0	0	0	0	0	0	4	0	0	0	0	0	0
04:00	11	35.9	28.9	6.7	0	1	0	0	6	2	2	0	0	0	0	0
05:00	44	31.7	24.7	6.7	1	5	2	12	15	8	1	0	0	0	0	0
06:00	51	31.5	24.7	6.6	1	7	2	9	23	9	0	0	0	0	0	0
07:00	125	30.6	25.7	4.7	0	3	7	39	62	12	1	0	1	0	0	0
08:00	262	28.9	22.8	5.9	13	15	38	86	96	14	0	0	0	0	0	0
09:00	126	30.6	25.6	4.8	0	6	6	33	67	12	2	0	0	0	0	0
10:00	113	30.6	25.2	5.3	2	3	8	39	43	17	1	0	0	0	0	0
11:00	102	32.2	27.1	5.0	0	2	5	24	44	23	4	0	0	0	0	0
12:00	128	31.6	25.9	5.4	0	6	7	37	56	15	7	0	0	0	0	0
13:00	147	30.4	25.5	4.7	1	5	7	44	73	16	1	0	0	0	0	0
14:00	223	29.0	23.8	5.1	2	17	16	92	80	16	0	0	0	0	0	0
15:00	248	29.8	23.6	5.9	7	18	28	85	81	28	1	0	0	0	0	0
16:00	214	30.4	25.6	4.6	3	3	11	64	107	25	1	0	0	0	0	0
17:00	201	30.4	25.7	4.5	2	1	9	72	91	23	2	1	0	0	0	0
18:00	164	30.4	26.3	4.0	0	2	4	52	83	21	2	0	0	0	0	0
19:00	128	32.2	27.5	4.5	1	1	1	27	68	24	6	0	0	0	0	0
20:00	99	33.3	27.4	5.7	0	5	4	13	49	23	3	2	0	0	0	0
21:00	74	35.1	29.2	5.7	0	1	2	11	27	27	4	0	2	0	0	0
22:00	41	33.8	27.3	6.3	0	3	1	9	13	12	3	0	0	0	0	0
23:00	9	37.4	29.2	7.9	0	1	0	1	2	3	2	0	0	0	0	0
Total																
2H(10-12)	215	31.5	26.1	5.2	2	5	13	63	87	40	5	0	0	0	0	0
2H(14-16)	471	29.4	23.7	5.6	9	35	44	177	161	44	1	0	0	0	0	0
12H(7-19)	2053	30.4	25.0	5.2	30	81	146	667	883	222	22	1	1	0	0	0
24H(0-24)	2521	31.0	25.4	5.4	33	106	158	750	1087	336	44	4	3	0	0	0
AM Peak	08:00	01:00	01:00	04:00	08:00	08:00	08:00	08:00	08:00	11:00	11:00	01:00	07:00	00:00	00:00	00:00
	262	40.4	34.5	6.7	13	15	38	86	96	23	4	1	1	0	0	0
PM Peak	15:00	23:00	21:00	23:00	15:00	15:00	15:00	14:00	16:00	15:00	12:00	20:00	21:00	12:00	12:00	12:00
	248	37.4	29.2	7.9	7	18	28	92	107	28	7	2	2	0	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	3	28.8	25.8	2.9	0	0	0	1	2	0	0	0	0	0	0	0
03:00	7	31.2	24.6	6.4	0	1	0	2	3	1	0	0	0	0	0	0
04:00	17	30.4	21.4	8.7	2	4	0	4	4	3	0	0	0	0	0	0
05:00	64	30.2	24.4	5.6	2	4	3	20	29	6	0	0	0	0	0	0
06:00	62	32.0	26.6	5.2	0	1	5	16	25	12	3	0	0	0	0	0
07:00	106	31.3	26.9	4.2	0	2	4	18	66	13	3	0	0	0	0	0
08:00	225	28.7	24.8	3.7	1	5	5	101	104	9	0	0	0	0	0	0
09:00	95	29.0	24.5	4.3	1	2	5	44	36	7	0	0	0	0	0	0
10:00	121	29.4	24.3	5.0	2	7	4	48	55	3	2	0	0	0	0	0
11:00	119	30.0	25.4	4.5	2	1	5	41	59	10	1	0	0	0	0	0
12:00	126	30.6	25.8	4.7	0	5	2	43	60	14	1	1	0	0	0	0
13:00	159	30.4	25.1	5.2	0	9	10	51	73	13	1	2	0	0	0	0
14:00	176	30.4	25.0	5.2	1	7	13	62	73	17	2	0	1	0	0	0
15:00	263	30.0	25.5	4.3	2	1	14	104	111	27	4	0	0	0	0	0
16:00	225	31.2	26.7	4.3	0	3	6	60	120	27	9	0	0	0	0	0
17:00	211	31.1	26.4	4.5	0	3	6	69	97	31	3	2	0	0	0	0
18:00	183	31.8	27.3	4.4	0	2	3	41	101	31	3	1	1	0	0	0
19:00	153	32.1	25.8	6.1	1	9	9	42	65	19	6	1	1	0	0	0
20:00	96	31.8	27.6	4.1	0	1	2	17	54	19	3	0	0	0	0	0
21:00	80	32.3	26.0	6.1	2	3	7	12	42	11	2	1	0	0	0	0
22:00	42	30.8	26.7	4.0	0	1	0	11	23	7	0	0	0	0	0	0
23:00	17	31.7	28.1	3.5	0	0	0	2	12	2	1	0	0	0	0	0
Total																
2H(10-12)	240	29.8	24.8	4.7	4	8	9	89	114	13	3	0	0	0	0	0
2H(14-16)	439	30.2	25.3	4.7	3	8	27	166	184	44	6	0	1	0	0	0
12H(7-19)	2009	30.4	25.7	4.6	9	47	77	682	955	202	29	6	2	0	0	0
24H(0-24)	2551	30.8	25.8	4.8	16	71	103	809	1215	282	44	8	3	0	0	0
AM Peak	08:00	06:00	00:00	04:00	04:00	10:00	06:00	08:00	08:00	07:00	06:00	00:00	00:00	00:00	00:00	00:00
	225	32.0	27.5	8.7	2	7	5	101	104	13	3	0	0	0	0	0
PM Peak	15:00	21:00	23:00	21:00	15:00	13:00	15:00	15:00	16:00	17:00	16:00	13:00	14:00	12:00	12:00	12:00
	263	32.3	28.1	6.1	2	9	14	104	120	31	9	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
01:00	5	40.4	34.5	5.7	0	0	0	0	1	2	1	1	0	0	0	0
02:00	4	29.8	22.5	7.1	0	1	0	1	2	0	0	0	0	0	0	0
03:00	11	34.1	27.5	6.3	0	1	0	2	3	5	0	0	0	0	0	0
04:00	28	33.3	24.3	8.7	2	5	0	4	10	5	2	0	0	0	0	0
05:00	108	30.8	24.5	6.1	3	9	5	32	44	14	1	0	0	0	0	0
06:00	113	31.9	25.7	6.0	1	8	7	25	48	21	3	0	0	0	0	0
07:00	231	31.0	26.3	4.5	0	5	11	57	128	25	4	0	1	0	0	0
08:00	487	29.0	23.8	5.1	14	20	43	187	200	23	0	0	0	0	0	0
09:00	221	29.9	25.1	4.6	1	8	11	77	103	19	2	0	0	0	0	0
10:00	234	30.0	24.7	5.1	4	10	12	87	98	20	3	0	0	0	0	0
11:00	221	31.1	26.2	4.8	2	3	10	65	103	33	5	0	0	0	0	0
12:00	254	31.1	25.9	5.0	0	11	9	80	116	29	8	1	0	0	0	0
13:00	306	30.4	25.3	4.9	1	14	17	95	146	29	2	2	0	0	0	0
14:00	399	29.7	24.3	5.2	3	24	29	154	153	33	2	0	1	0	0	0
15:00	511	30.0	24.6	5.3	9	19	42	189	192	55	5	0	0	0	0	0
16:00	439	30.8	26.2	4.5	3	6	17	124	227	52	10	0	0	0	0	0
17:00	412	30.7	26.1	4.5	2	4	15	141	188	54	5	3	0	0	0	0
18:00	347	31.2	26.8	4.2	0	4	7	93	184	52	5	1	1	0	0	0
19:00	281	32.2	26.6	5.5	2	10	10	69	133	43	12	1	1	0	0	0
20:00	195	32.7	27.5	5.0	0	6	6	30	103	42	6	2	0	0	0	0
21:00	154	33.8	27.5	6.1	2	4	9	23	69	38	6	1	2	0	0	0
22:00	83	32.4	27.0	5.2	0	4	1	20	36	19	3	0	0	0	0	0
23:00	26	33.9	28.5	5.3	0	1	0	3	14	5	3	0	0	0	0	0
Total																
2H(10-12)	455	30.6	25.4	5.0	6	13	22	152	201	53	8	0	0	0	0	0
2H(14-16)	910	29.9	24.5	5.2	12	43	71	343	345	88	7	0	1	0	0	0
12H(7-19)	4062	30.4	25.3	4.9	39	128	223	1349	1838	424	51	7	3	0	0	0
24H(0-24)	5072	30.9	25.6	5.1	49	177	261	1559	2302	618	88	12	6	0	0	0
AM Peak	08:00 487	01:00 40.4	01:00 34.5	04:00 8.7	08:00 14	08:00 20	08:00 43	08:00 187	08:00 200	11:00 33	11:00 5	01:00 1	07:00 1	00:00 0	00:00 0	00:00 0
PM Peak	15:00 511	23:00 33.9	23:00 28.5	21:00 6.1	15:00 9	14:00 24	15:00 42	15:00 189	16:00 227	15:00 55	19:00 12	17:00 3	21:00 2	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	6	32.8	30.0	2.7	0	0	0	0	3	3	0	0	0	0	0	0
01:00	7	34.4	30.4	3.9	0	0	0	0	4	2	1	0	0	0	0	0
02:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	3	33.7	25.8	7.6	0	0	1	0	1	1	0	0	0	0	0	0
05:00	21	32.7	25.8	6.6	0	2	1	6	6	5	1	0	0	0	0	0
06:00	27	31.9	28.1	3.8	0	0	0	5	15	6	1	0	0	0	0	0
07:00	114	29.6	22.7	6.7	1	20	14	35	30	11	3	0	0	0	0	0
08:00	154	27.7	20.6	6.9	7	38	21	42	35	10	1	0	0	0	0	0
09:00	110	31.5	26.0	5.4	0	8	2	28	53	16	3	0	0	0	0	0
10:00	123	31.5	26.9	4.4	0	1	6	27	66	18	5	0	0	0	0	0
11:00	140	31.5	27.2	4.2	1	1	1	32	76	26	3	0	0	0	0	0
12:00	137	31.7	26.2	5.3	3	2	5	38	65	20	3	1	0	0	0	0
13:00	129	31.7	26.8	4.7	1	2	3	35	56	31	1	0	0	0	0	0
14:00	126	32.0	27.3	4.5	0	4	2	22	67	29	2	0	0	0	0	0
15:00	113	30.7	25.1	5.5	4	2	6	38	47	15	1	0	0	0	0	0
16:00	109	32.0	27.2	4.7	0	2	5	18	61	21	0	2	0	0	0	0
17:00	101	32.4	27.4	4.9	1	0	2	26	46	23	1	2	0	0	0	0
18:00	111	32.1	27.5	4.4	1	0	2	24	55	26	3	0	0	0	0	0
19:00	80	33.7	28.8	4.7	0	1	1	14	30	29	5	0	0	0	0	0
20:00	75	32.7	28.1	4.4	0	0	3	14	31	25	2	0	0	0	0	0
21:00	35	34.4	29.5	4.7	0	0	0	5	16	10	3	1	0	0	0	0
22:00	43	33.6	28.7	4.7	0	0	1	6	23	9	3	1	0	0	0	0
23:00	19	31.3	28.6	2.7	0	0	0	1	13	5	0	0	0	0	0	0
Total																
2H(10-12)	263	31.5	27.1	4.3	1	2	7	59	142	44	8	0	0	0	0	0
2H(14-16)	239	31.5	26.3	5.1	4	6	8	60	114	44	3	0	0	0	0	0
12H(7-19)	1467	31.6	25.8	5.6	19	80	69	365	657	246	26	5	0	0	0	0
24H(0-24)	1785	32.0	26.3	5.6	19	83	76	417	800	341	42	7	0	0	0	0
AM Peak	08:00	01:00	01:00	04:00	08:00	08:00	08:00	08:00	11:00	11:00	10:00	00:00	00:00	00:00	00:00	00:00
	154	34.4	30.4	7.6	7	38	21	42	76	26	5	0	0	0	0	0
PM Peak	12:00	21:00	21:00	15:00	15:00	14:00	15:00	12:00	14:00	13:00	19:00	16:00	12:00	12:00	12:00	12:00
	137	34.4	29.5	5.5	4	4	6	38	67	31	5	2	0	0	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	8	29.5	25.6	3.7	0	0	0	4	3	1	0	0	0	0	0	0
01:00	7	31.2	25.4	5.7	0	1	0	0	6	0	0	0	0	0	0	0
02:00	3	41.1	29.2	11.5	0	0	0	2	0	0	0	1	0	0	0	0
03:00	3	32.2	29.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
04:00	4	33.6	22.6	10.6	1	0	0	1	1	1	0	0	0	0	0	0
05:00	14	32.6	26.1	6.3	0	1	1	3	6	2	1	0	0	0	0	0
06:00	17	35.8	28.1	7.5	0	1	0	4	8	1	1	2	0	0	0	0
07:00	55	29.5	24.0	5.3	0	3	8	19	20	4	1	0	0	0	0	0
08:00	72	28.5	22.9	5.4	0	8	11	23	27	3	0	0	0	0	0	0
09:00	93	30.6	25.2	5.2	2	2	5	32	42	7	3	0	0	0	0	0
10:00	119	31.8	26.8	4.8	0	0	5	35	60	13	2	4	0	0	0	0
11:00	134	31.4	26.9	4.3	1	0	3	33	73	21	2	1	0	0	0	0
12:00	117	29.9	25.1	4.6	0	4	7	44	50	10	2	0	0	0	0	0
13:00	124	29.9	25.0	4.7	0	7	5	45	55	11	1	0	0	0	0	0
14:00	142	29.8	24.3	5.3	4	7	4	59	57	9	2	0	0	0	0	0
15:00	131	31.1	24.7	6.2	3	8	16	29	55	18	1	1	0	0	0	0
16:00	111	31.1	24.0	6.9	5	14	3	28	44	16	1	0	0	0	0	0
17:00	116	31.6	27.0	4.5	0	1	2	32	61	15	3	2	0	0	0	0
18:00	113	33.1	27.8	5.1	0	2	2	20	64	17	6	0	2	0	0	0
19:00	84	31.4	26.1	5.1	0	2	6	22	41	10	2	1	0	0	0	0
20:00	75	31.3	26.1	5.0	0	2	4	23	34	8	4	0	0	0	0	0
21:00	51	30.3	26.6	3.6	0	0	0	18	24	9	0	0	0	0	0	0
22:00	40	30.3	27.3	3.0	0	0	0	8	26	6	0	0	0	0	0	0
23:00	15	29.2	26.2	3.0	0	0	0	5	9	1	0	0	0	0	0	0
Total																
2H(10-12)	253	31.6	26.9	4.5	1	0	8	68	133	34	4	5	0	0	0	0
2H(14-16)	273	30.4	24.5	5.7	7	15	20	88	112	27	3	1	0	0	0	0
12H(7-19)	1327	31.0	25.5	5.4	15	56	71	399	608	144	24	8	2	0	0	0
24H(0-24)	1648	31.1	25.6	5.3	16	63	82	489	768	184	32	12	2	0	0	0
AM Peak	11:00 134	02:00 41.1	02:00 29.2	02:00 11.5	09:00 2	08:00 8	08:00 11	10:00 35	11:00 73	11:00 21	09:00 3	10:00 4	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 142	18:00 33.1	18:00 27.8	16:00 6.9	16:00 5	16:00 14	15:00 16	14:00 59	18:00 64	15:00 18	18:00 6	17:00 2	18:00 2	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	14	31.6	27.5	3.9	0	0	0	4	6	4	0	0	0	0	0	0
01:00	14	33.4	27.9	5.4	0	1	0	0	10	2	1	0	0	0	0	0
02:00	5	36.5	27.5	8.7	0	0	0	3	1	0	0	1	0	0	0	0
03:00	3	32.2	29.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
04:00	7	33.2	24.0	8.8	1	0	1	1	2	2	0	0	0	0	0	0
05:00	35	32.6	25.9	6.4	0	3	2	9	12	7	2	0	0	0	0	0
06:00	44	33.7	28.1	5.4	0	1	0	9	23	7	2	2	0	0	0	0
07:00	169	29.6	23.1	6.3	1	23	22	54	50	15	4	0	0	0	0	0
08:00	226	28.1	21.3	6.5	7	46	32	65	62	13	1	0	0	0	0	0
09:00	203	31.1	25.6	5.3	2	10	7	60	95	23	6	0	0	0	0	0
10:00	242	31.7	26.9	4.6	0	1	11	62	126	31	7	4	0	0	0	0
11:00	274	31.4	27.1	4.2	2	1	4	65	149	47	5	1	0	0	0	0
12:00	254	30.9	25.7	5.0	3	6	12	82	115	30	5	1	0	0	0	0
13:00	253	30.9	25.9	4.8	1	9	8	80	111	42	2	0	0	0	0	0
14:00	268	31.1	25.7	5.2	4	11	6	81	124	38	4	0	0	0	0	0
15:00	244	30.9	24.9	5.9	7	10	22	67	102	33	2	1	0	0	0	0
16:00	220	31.9	25.6	6.1	5	16	8	46	105	37	1	2	0	0	0	0
17:00	217	32.0	27.2	4.7	1	1	4	58	107	38	4	4	0	0	0	0
18:00	224	32.6	27.7	4.8	1	2	4	44	119	43	9	0	2	0	0	0
19:00	164	32.7	27.4	5.1	0	3	7	36	71	39	7	1	0	0	0	0
20:00	150	32.1	27.1	4.8	0	2	7	37	65	33	6	0	0	0	0	0
21:00	86	32.2	27.8	4.3	0	0	0	23	40	19	3	1	0	0	0	0
22:00	83	32.2	28.0	4.0	0	0	1	14	49	15	3	1	0	0	0	0
23:00	34	30.6	27.5	3.0	0	0	0	6	22	6	0	0	0	0	0	0
Total																
2H(10-12)	516	31.6	27.0	4.4	2	2	15	127	275	78	12	5	0	0	0	0
2H(14-16)	512	31.0	25.3	5.5	11	21	28	148	226	71	6	1	0	0	0	0
12H(7-19)	2794	31.4	25.6	5.5	34	136	140	764	1265	390	50	13	2	0	0	0
24H(0-24)	3433	31.6	26.0	5.5	35	146	158	906	1568	525	74	19	2	0	0	0
AM Peak	11:00	02:00	03:00	04:00	08:00	08:00	08:00	08:00	11:00	11:00	10:00	10:00	00:00	00:00	00:00	00:00
	274	36.5	29.2	8.8	7	46	32	65	149	47	7	4	0	0	0	0
PM Peak	14:00	19:00	22:00	16:00	15:00	16:00	15:00	12:00	14:00	18:00	18:00	17:00	18:00	12:00	12:00	12:00
	268	32.7	28.0	6.1	7	16	22	82	124	43	9	4	2	0	0	0

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	8	38.3	33.1	5.0	0	0	0	0	2	4	1	1	0	0	0	0
01:00	4	31.3	28.8	2.5	0	0	0	0	3	1	0	0	0	0	0	0
02:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	2	29.8	22.5	7.1	0	0	1	0	1	0	0	0	0	0	0	0
04:00	5	38.3	31.5	6.5	0	0	0	1	1	1	2	0	0	0	0	0
05:00	8	37.7	28.8	8.6	1	0	0	0	1	6	0	0	0	0	0	0
06:00	16	33.5	28.4	4.9	0	0	1	2	7	5	1	0	0	0	0	0
07:00	25	32.1	27.9	4.1	0	0	1	4	12	8	0	0	0	0	0	0
08:00	35	30.9	27.1	3.7	0	0	0	11	16	8	0	0	0	0	0	0
09:00	56	33.1	27.6	5.4	0	3	2	4	32	12	3	0	0	0	0	0
10:00	97	31.7	27.1	4.4	0	1	3	24	45	22	2	0	0	0	0	0
11:00	106	31.2	25.8	5.2	1	6	5	22	55	17	0	0	0	0	0	0
12:00	116	31.1	25.7	5.2	2	3	9	27	55	20	0	0	0	0	0	0
13:00	137	30.7	26.1	4.4	0	3	8	34	70	22	0	0	0	0	0	0
14:00	75	31.0	26.4	4.4	0	2	4	14	44	10	1	0	0	0	0	0
15:00	96	31.9	27.8	4.0	0	1	0	18	53	21	3	0	0	0	0	0
16:00	93	32.2	27.2	4.8	1	2	1	19	47	21	2	0	0	0	0	0
17:00	156	31.9	27.0	4.7	2	3	1	36	77	35	2	0	0	0	0	0
18:00	97	31.8	27.7	4.0	0	0	2	22	46	25	2	0	0	0	0	0
19:00	93	32.6	27.8	4.7	1	1	0	18	47	22	4	0	0	0	0	0
20:00	51	34.1	27.4	6.5	1	4	0	6	22	15	3	0	0	0	0	0
21:00	46	31.7	27.0	4.6	0	1	1	12	21	10	1	0	0	0	0	0
22:00	13	34.2	26.4	7.6	1	0	0	5	2	4	1	0	0	0	0	0
23:00	10	31.7	27.5	4.1	0	0	0	3	4	3	0	0	0	0	0	0
Total																
2H(10-12)	203	31.5	26.4	4.9	1	7	8	46	100	39	2	0	0	0	0	0
2H(14-16)	171	31.6	27.2	4.2	0	3	4	32	97	31	4	0	0	0	0	0
12H(7-19)	1089	31.6	26.8	4.7	6	24	36	235	552	221	15	0	0	0	0	0
24H(0-24)	1346	32.0	27.0	4.8	10	30	39	282	664	292	28	1	0	0	0	0
AM Peak	11:00	00:00	00:00	05:00	05:00	11:00	11:00	10:00	11:00	10:00	09:00	00:00	00:00	00:00	00:00	00:00
	106	38.3	33.1	8.6	1	6	5	24	55	22	3	1	0	0	0	0
PM Peak	17:00	22:00	15:00	22:00	12:00	20:00	12:00	17:00	17:00	17:00	19:00	12:00	12:00	12:00	12:00	12:00
	156	34.2	27.8	7.6	2	4	9	36	77	35	4	0	0	0	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	7	28.6	26.1	2.4	0	0	0	2	5	0	0	0	0	0	0	0
01:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
04:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
05:00	6	28.2	22.5	5.5	0	1	0	3	2	0	0	0	0	0	0	0
06:00	10	30.3	26.0	4.1	0	0	1	2	6	1	0	0	0	0	0	0
07:00	16	27.6	24.4	3.1	0	0	1	8	7	0	0	0	0	0	0	0
08:00	101	30.4	26.0	4.3	0	3	3	29	54	11	1	0	0	0	0	0
09:00	43	30.5	25.9	4.5	0	2	0	14	21	6	0	0	0	0	0	0
10:00	81	30.2	25.1	4.9	0	4	4	30	34	7	2	0	0	0	0	0
11:00	108	30.1	25.7	4.2	0	2	4	37	54	10	0	1	0	0	0	0
12:00	87	30.7	25.7	4.8	0	4	3	26	42	11	1	0	0	0	0	0
13:00	134	30.9	26.7	4.0	1	0	3	35	73	20	2	0	0	0	0	0
14:00	114	31.1	25.9	5.1	1	3	6	34	50	19	0	1	0	0	0	0
15:00	95	32.0	27.5	4.3	0	1	0	25	45	20	4	0	0	0	0	0
16:00	112	31.9	27.1	4.6	1	0	3	31	47	28	2	0	0	0	0	0
17:00	96	31.5	26.8	4.5	1	1	1	24	52	15	1	1	0	0	0	0
18:00	99	30.5	25.4	4.9	1	3	4	33	48	7	3	0	0	0	0	0
19:00	106	31.9	26.1	5.6	1	1	7	31	54	5	4	2	1	0	0	0
20:00	79	30.1	26.2	3.7	0	0	4	21	46	7	1	0	0	0	0	0
21:00	43	29.5	25.4	4.0	0	1	2	14	23	3	0	0	0	0	0	0
22:00	22	32.7	27.3	5.2	0	0	0	8	10	2	1	1	0	0	0	0
23:00	5	29.1	24.5	4.5	0	0	1	1	3	0	0	0	0	0	0	0
Total																
2H(10-12)	189	30.2	25.5	4.5	0	6	8	67	88	17	2	1	0	0	0	0
2H(14-16)	209	31.6	26.6	4.8	1	4	6	59	95	39	4	1	0	0	0	0
12H(7-19)	1086	30.9	26.2	4.6	5	23	32	326	527	154	16	3	0	0	0	0
24H(0-24)	1369	30.9	26.2	4.6	6	26	47	408	680	173	22	6	1	0	0	0
AM Peak	11:00	04:00	04:00	05:00	00:00	10:00	10:00	11:00	08:00	08:00	10:00	11:00	00:00	00:00	00:00	00:00
	108	33.7	30.0	5.5	0	4	4	37	54	11	2	1	0	0	0	0
PM Peak	13:00	22:00	15:00	19:00	13:00	12:00	19:00	13:00	13:00	16:00	15:00	19:00	19:00	12:00	12:00	12:00
	134	32.7	27.5	5.6	1	4	7	35	73	28	4	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	15	35.3	29.8	5.3	0	0	0	2	7	4	1	1	0	0	0	0
01:00	5	30.8	28.5	2.2	0	0	0	0	4	1	0	0	0	0	0	0
02:00	2	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
03:00	3	30.2	24.2	5.8	0	0	1	0	2	0	0	0	0	0	0	0
04:00	7	36.8	31.1	5.6	0	0	0	1	2	2	2	0	0	0	0	0
05:00	14	34.3	26.1	7.9	1	1	0	3	3	6	0	0	0	0	0	0
06:00	26	32.4	27.5	4.7	0	0	2	4	13	6	1	0	0	0	0	0
07:00	41	30.7	26.5	4.1	0	0	2	12	19	8	0	0	0	0	0	0
08:00	136	30.6	26.3	4.2	0	3	3	40	70	19	1	0	0	0	0	0
09:00	99	32.1	26.8	5.0	0	5	2	18	53	18	3	0	0	0	0	0
10:00	178	31.1	26.2	4.8	0	5	7	54	79	29	4	0	0	0	0	0
11:00	214	30.7	25.8	4.7	1	8	9	59	109	27	0	1	0	0	0	0
12:00	203	30.9	25.7	5.0	2	7	12	53	97	31	1	0	0	0	0	0
13:00	271	30.8	26.4	4.2	1	3	11	69	143	42	2	0	0	0	0	0
14:00	189	31.1	26.1	4.8	1	5	10	48	94	29	1	1	0	0	0	0
15:00	191	31.9	27.7	4.1	0	2	0	43	98	41	7	0	0	0	0	0
16:00	205	32.0	27.1	4.7	2	2	4	50	94	49	4	0	0	0	0	0
17:00	252	31.8	26.9	4.7	3	4	2	60	129	50	3	1	0	0	0	0
18:00	196	31.3	26.5	4.6	1	3	6	55	94	32	5	0	0	0	0	0
19:00	199	32.3	26.9	5.2	2	2	7	49	101	27	8	2	1	0	0	0
20:00	130	31.9	26.7	5.0	1	4	4	27	68	22	4	0	0	0	0	0
21:00	89	30.7	26.2	4.4	0	2	3	26	44	13	1	0	0	0	0	0
22:00	35	33.3	26.9	6.1	1	0	0	13	12	6	2	1	0	0	0	0
23:00	15	31.0	26.5	4.3	0	0	1	4	7	3	0	0	0	0	0	0
Total																
2H(10-12)	392	30.9	26.0	4.8	1	13	16	113	188	56	4	1	0	0	0	0
2H(14-16)	380	31.6	26.9	4.6	1	7	10	91	192	70	8	1	0	0	0	0
12H(7-19)	2175	31.3	26.5	4.6	11	47	68	561	1079	375	31	3	0	0	0	0
24H(0-24)	2715	31.5	26.6	4.7	16	56	86	690	1344	465	50	7	1	0	0	0
AM Peak	11:00	04:00	04:00	05:00	05:00	11:00	11:00	11:00	11:00	10:00	10:00	00:00	00:00	00:00	00:00	00:00
	214	36.8	31.1	7.9	1	8	9	59	109	29	4	1	0	0	0	0
PM Peak	13:00	22:00	15:00	22:00	17:00	12:00	12:00	13:00	13:00	17:00	19:00	19:00	19:00	12:00	12:00	12:00
	271	33.3	27.7	6.1	3	7	12	69	143	50	8	2	1	0	0	0

Paul Castle Associates

Tween Bridge ATC 5, Coulman Street

Direction: Southbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
02:00	2	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
03:00	3	37.7	32.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
04:00	13	31.8	25.2	6.3	0	2	0	2	7	2	0	0	0	0	0	0
05:00	46	33.5	26.1	7.2	1	6	2	2	21	13	1	0	0	0	0	0
06:00	64	31.8	26.6	5.0	0	3	1	16	31	11	2	0	0	0	0	0
07:00	131	31.1	26.0	4.9	1	6	4	30	70	19	1	0	0	0	0	0
08:00	271	28.6	23.6	4.8	1	15	40	97	105	13	0	0	0	0	0	0
09:00	108	31.0	25.2	5.6	1	7	6	30	48	15	0	1	0	0	0	0
10:00	96	30.6	25.8	4.6	1	2	4	28	49	11	1	0	0	0	0	0
11:00	110	30.1	25.5	4.4	0	1	10	36	49	13	1	0	0	0	0	0
12:00	125	32.0	26.2	5.6	1	6	3	31	66	11	5	2	0	0	0	0
13:00	118	30.4	25.3	5.0	3	1	7	39	52	16	0	0	0	0	0	0
14:00	181	28.5	23.3	5.1	1	9	35	62	64	9	1	0	0	0	0	0
15:00	197	28.8	24.0	4.7	1	8	21	84	68	15	0	0	0	0	0	0
16:00	161	31.1	25.8	5.1	1	5	12	44	69	28	2	0	0	0	0	0
17:00	147	31.4	26.5	4.7	0	2	10	34	75	22	3	1	0	0	0	0
18:00	100	32.2	27.7	4.4	0	2	1	19	51	24	3	0	0	0	0	0
19:00	75	33.2	26.4	6.6	2	5	2	15	30	18	2	1	0	0	0	0
20:00	32	31.3	25.3	5.8	0	3	2	7	14	6	0	0	0	0	0	0
21:00	20	34.6	28.3	6.1	0	1	0	5	5	7	2	0	0	0	0	0
22:00	15	33.1	26.5	6.3	0	1	1	3	6	3	1	0	0	0	0	0
23:00	7	36.4	28.2	7.9	0	1	0	0	3	2	1	0	0	0	0	0
Total																
2H(10-12)	206	30.3	25.6	4.5	1	3	14	64	98	24	2	0	0	0	0	0
2H(14-16)	378	28.7	23.7	4.9	2	17	56	146	132	24	1	0	0	0	0	0
12H(7-19)	1745	30.4	25.1	5.1	11	64	153	534	766	196	17	4	0	0	0	0
24H(0-24)	2023	30.7	25.3	5.3	14	87	162	585	884	259	27	5	0	0	0	0
AM Peak	08:00	03:00	03:00	05:00	05:00	08:00	08:00	08:00	08:00	07:00	06:00	09:00	00:00	00:00	00:00	00:00
	271	37.7	32.5	7.2	1	15	40	97	105	19	2	1	0	0	0	0
PM Peak	15:00	23:00	21:00	23:00	13:00	14:00	14:00	15:00	17:00	16:00	12:00	12:00	12:00	12:00	12:00	12:00
	197	36.4	28.3	7.9	3	9	35	84	75	28	5	2	0	0	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	4	34.0	26.3	7.5	0	0	1	1	0	2	0	0	0	0	0	0
01:00	3	32.7	27.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
02:00	2	22.5	22.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
03:00	6	30.6	26.7	3.8	0	0	0	2	3	1	0	0	0	0	0	0
04:00	15	31.2	24.5	6.5	0	2	1	4	5	3	0	0	0	0	0	0
05:00	42	30.5	24.0	6.3	2	4	1	11	22	1	1	0	0	0	0	0
06:00	75	31.7	26.6	4.9	0	3	1	15	48	5	1	2	0	0	0	0
07:00	101	29.9	25.6	4.2	0	3	3	32	56	5	2	0	0	0	0	0
08:00	216	29.0	25.1	3.8	1	2	12	79	114	7	1	0	0	0	0	0
09:00	108	29.8	25.1	4.5	0	2	11	36	48	10	1	0	0	0	0	0
10:00	101	30.2	25.5	4.5	2	2	2	32	53	10	0	0	0	0	0	0
11:00	130	30.3	24.9	5.3	1	6	11	43	54	12	3	0	0	0	0	0
12:00	124	29.8	25.0	4.6	0	4	9	46	53	10	2	0	0	0	0	0
13:00	116	30.3	24.9	5.2	1	5	9	40	46	13	2	0	0	0	0	0
14:00	143	28.8	24.7	3.9	0	4	5	66	59	9	0	0	0	0	0	0
15:00	227	29.9	25.1	4.6	2	6	13	81	101	23	1	0	0	0	0	0
16:00	195	30.7	26.0	4.5	2	2	9	54	104	21	2	1	0	0	0	0
17:00	161	31.5	26.3	5.0	3	3	8	30	94	20	2	1	0	0	0	0
18:00	127	31.9	26.4	5.3	3	2	4	28	71	15	2	2	0	0	0	0
19:00	72	31.3	24.8	6.3	1	7	2	24	28	7	2	1	0	0	0	0
20:00	52	31.2	26.8	4.2	0	2	0	10	31	9	0	0	0	0	0	0
21:00	57	29.6	23.6	5.8	1	7	3	17	26	3	0	0	0	0	0	0
22:00	16	29.3	23.2	5.9	1	0	2	8	3	2	0	0	0	0	0	0
23:00	10	33.2	28.0	5.0	0	0	0	3	4	2	1	0	0	0	0	0
Total																
2H(10-12)	231	30.3	25.1	5.0	3	8	13	75	107	22	3	0	0	0	0	0
2H(14-16)	370	29.5	25.0	4.4	2	10	18	147	160	32	1	0	0	0	0	0
12H(7-19)	1749	30.2	25.4	4.6	15	41	96	567	853	155	18	4	0	0	0	0
24H(0-24)	2103	30.4	25.4	4.8	20	66	107	665	1024	191	23	7	0	0	0	0
AM Peak	08:00	00:00	01:00	00:00	05:00	11:00	08:00	08:00	08:00	11:00	11:00	06:00	00:00	00:00	00:00	00:00
	216	34.0	27.5	7.5	2	6	12	79	114	12	3	2	0	0	0	0
PM Peak	15:00	23:00	23:00	19:00	17:00	19:00	15:00	15:00	16:00	15:00	12:00	18:00	12:00	12:00	12:00	12:00
	227	33.2	28.0	6.3	3	7	13	81	104	23	2	2	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	34.0	26.3	7.5	0	0	1	1	0	2	0	0	0	0	0	0
01:00	4	31.2	26.3	4.8	0	0	0	2	1	1	0	0	0	0	0	0
02:00	4	23.7	18.8	4.8	0	1	1	2	0	0	0	0	0	0	0	0
03:00	9	33.6	28.6	4.9	0	0	0	2	4	2	1	0	0	0	0	0
04:00	28	31.4	24.8	6.3	0	4	1	6	12	5	0	0	0	0	0	0
05:00	88	32.1	25.1	6.8	3	10	3	13	43	14	2	0	0	0	0	0
06:00	139	31.7	26.6	4.9	0	6	2	31	79	16	3	2	0	0	0	0
07:00	232	30.6	25.8	4.6	1	9	7	62	126	24	3	0	0	0	0	0
08:00	487	28.9	24.2	4.5	2	17	52	176	219	20	1	0	0	0	0	0
09:00	216	30.4	25.2	5.1	1	9	17	66	96	25	1	1	0	0	0	0
10:00	197	30.4	25.7	4.6	3	4	6	60	102	21	1	0	0	0	0	0
11:00	240	30.2	25.1	4.9	1	7	21	79	103	25	4	0	0	0	0	0
12:00	249	30.9	25.6	5.1	1	10	12	77	119	21	7	2	0	0	0	0
13:00	234	30.4	25.1	5.1	4	6	16	79	98	29	2	0	0	0	0	0
14:00	324	28.7	23.9	4.6	1	13	40	128	123	18	1	0	0	0	0	0
15:00	424	29.4	24.6	4.7	3	14	34	165	169	38	1	0	0	0	0	0
16:00	356	30.9	25.9	4.8	3	7	21	98	173	49	4	1	0	0	0	0
17:00	308	31.4	26.4	4.9	3	5	18	64	169	42	5	2	0	0	0	0
18:00	227	32.1	26.9	5.0	3	4	5	47	122	39	5	2	0	0	0	0
19:00	147	32.3	25.6	6.5	3	12	4	39	58	25	4	2	0	0	0	0
20:00	84	31.3	26.3	4.9	0	5	2	17	45	15	0	0	0	0	0	0
21:00	77	31.2	24.8	6.2	1	8	3	22	31	10	2	0	0	0	0	0
22:00	31	31.3	24.8	6.3	1	1	3	11	9	5	1	0	0	0	0	0
23:00	17	34.4	28.1	6.1	0	1	0	3	7	4	2	0	0	0	0	0
Total																
2H(10-12)	437	30.3	25.4	4.8	4	11	27	139	205	46	5	0	0	0	0	0
2H(14-16)	748	29.1	24.3	4.7	4	27	74	293	292	56	2	0	0	0	0	0
12H(7-19)	3494	30.3	25.3	4.9	26	105	249	1101	1619	351	35	8	0	0	0	0
24H(0-24)	4126	30.6	25.3	5.0	34	153	269	1250	1908	450	50	12	0	0	0	0
AM Peak	08:00	00:00	03:00	00:00	05:00	08:00	08:00	08:00	08:00	09:00	11:00	06:00	00:00	00:00	00:00	00:00
	487	34.0	28.6	7.5	3	17	52	176	219	25	4	2	0	0	0	0
PM Peak	15:00	23:00	23:00	19:00	13:00	15:00	14:00	15:00	16:00	16:00	12:00	12:00	12:00	12:00	12:00	12:00
	424	34.4	28.1	6.5	4	14	40	165	173	49	7	2	0	0	0	0

Paul Castle Associates



Appendix F: Automatic Traffic Survey Reports – Link 6

Tween Bridge ATC 6, Moor Edges Road



Direction: Eastbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	1	2	0	0	3	1	0	1	1
01:00	0	0	0	1	0	1	0	0	0
02:00	0	0	0	0	1	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0
04:00	1	1	0	2	0	2	2	1	1
05:00	9	12	12	11	4	1	6	10	8
06:00	16	12	9	12	7	4	15	13	11
07:00	29	28	39	33	10	5	35	33	26
08:00	44	38	41	35	34	15	37	39	35
09:00	32	22	25	30	32	21	26	27	27
10:00	28	23	41	18	23	19	31	28	26
11:00	20	24	27	24	35	23	32	25	26
12:00	29	25	25	26	27	21	23	26	25
13:00	30	33	38	30	26	16	40	34	30
14:00	21	34	44	39	22	14	23	32	28
15:00	28	32	38	39	28	16	38	35	31
16:00	37	33	25	44	19	16	29	34	29
17:00	32	28	27	21	33	28	28	28	28
18:00	14	23	21	20	17	19	11	18	18
19:00	19	13	20	13	15	7	23	18	16
20:00	6	10	10	17	13	9	6	10	10
21:00	9	6	9	14	5	2	8	9	8
22:00	4	3	1	5	4	3	3	3	3
23:00	0	1	2	1	5	1	2	1	2
Total									
12H(7-19)	344	343	391	365	294	218	353	359	330
16H(6-22)	394	384	439	421	334	240	405	409	374
18H(6-24)	398	388	442	427	343	244	410	413	379
24H(0-24)	409	403	454	441	351	249	418	425	389
AM Peak	08:00 44	08:00 38	08:00 41	08:00 35	11:00 35	11:00 23	08:00 37	08:00 39	08:00 35
PM Peak	16:00 37	14:00 34	14:00 44	16:00 44	15:00 28	17:00 33	13:00 40	15:00 35	15:00 31

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Direction: Westbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	1	0	1	0	4	1	2	1	1
01:00	1	1	1	0	0	1	0	1	1
02:00	0	2	0	0	1	0	1	1	1
03:00	1	0	2	1	3	5	0	1	2
04:00	1	1	1	1	1	0	3	1	1
05:00	6	11	13	12	0	0	4	10	7
06:00	12	11	11	14	2	2	14	12	9
07:00	23	22	18	29	37	15	19	22	23
08:00	37	41	47	36	36	21	50	42	38
09:00	30	34	35	23	23	10	37	32	27
10:00	35	27	28	28	38	17	30	30	29
11:00	30	24	32	32	29	35	29	29	30
12:00	41	32	29	39	35	29	33	35	34
13:00	25	32	28	28	24	24	37	30	28
14:00	40	33	48	44	38	20	42	41	38
15:00	45	38	32	60	27	24	32	41	37
16:00	43	54	50	44	21	21	50	48	40
17:00	38	31	36	52	20	30	42	40	36
18:00	31	33	39	37	24	23	29	34	31
19:00	15	15	17	21	20	16	22	18	18
20:00	8	12	5	9	5	8	8	7	7
21:00	4	1	8	12	9	5	10	7	7
22:00	2	3	1	5	4	5	4	3	3
23:00	1	0	2	1	2	1	0	1	1
Total									
12H(7-19)	418	401	422	452	352	269	430	425	392
16H(6-22)	457	440	463	508	388	297	484	470	434
18H(6-24)	460	443	466	514	394	303	488	474	438
24H(0-24)	472	458	484	528	403	310	498	488	450
AM Peak	08:00 37	08:00 41	08:00 47	08:00 36	10:00 38	11:00 35	08:00 50	08:00 42	08:00 38
PM Peak	15:00 45	16:00 54	16:00 50	15:00 60	14:00 38	17:00 30	16:00 50	16:00 48	16:00 40

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Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	2	2	1	0	7	2	2	1	2
01:00	1	1	1	1	0	2	0	1	1
02:00	0	2	0	0	2	0	1	1	1
03:00	1	0	2	1	3	5	0	1	2
04:00	2	2	1	3	1	2	5	3	2
05:00	17	23	25	23	4	1	10	20	15
06:00	28	23	20	26	9	6	29	25	20
07:00	52	50	57	62	47	20	54	55	49
08:00	81	79	88	71	70	36	87	81	73
09:00	62	56	60	53	55	31	63	59	54
10:00	63	50	69	46	61	36	61	58	55
11:00	50	48	59	56	64	58	61	55	57
12:00	70	57	54	65	62	50	56	60	59
13:00	55	65	66	58	50	40	77	64	59
14:00	61	67	92	83	60	34	65	74	66
15:00	73	70	70	99	55	40	70	76	68
16:00	80	87	75	88	40	37	79	82	69
17:00	70	59	63	79	41	63	70	68	64
18:00	45	56	60	57	41	42	40	52	49
19:00	34	28	37	34	35	23	45	36	34
20:00	14	22	15	26	18	14	14	18	18
21:00	13	7	17	26	14	7	18	16	15
22:00	6	6	2	10	8	7	6	7	7
23:00	1	1	4	2	7	2	2	2	3
Total									
12H(7-19)	762	744	813	817	646	487	783	784	722
16H(6-22)	851	824	902	929	722	537	889	879	808
18H(6-24)	858	831	908	941	737	547	898	887	817
24H(0-24)	881	861	938	969	754	559	916	913	840
AM Peak	08:00 81	08:00 79	08:00 88	08:00 71	08:00 70	11:00 58	08:00 87	08:00 81	08:00 73
PM Peak	16:00 80	16:00 87	14:00 92	15:00 99	12:00 62	17:00 63	16:00 79	16:00 82	16:00 69

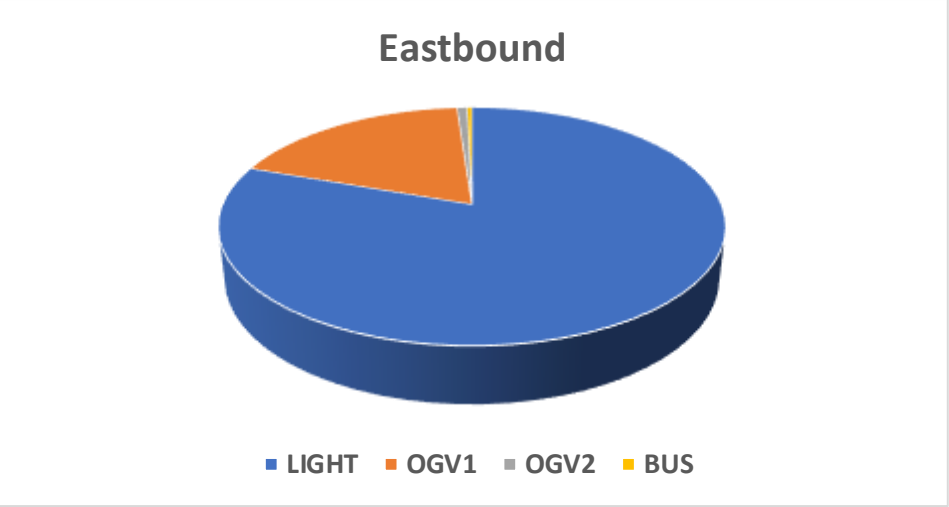
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Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	409	323	83	1	2
Wed 7 Jun 2023	403	323	77	1	2
Thu 8 Jun 2023	454	364	84	4	2
Fri 9 Jun 2023	441	347	85	8	1
Sat 10 Jun 2023	351	296	53	1	1
Sun 11 Jun 2023	249	218	31	0	0
Mon 12 Jun 2023	418	319	91	6	2
5 Day Ave.	425	335	84	4	2
7 Day Ave.	389	313	72	3	1

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	79.0%	20.3%	0.2%	0.5%
Wed 7 Jun 2023	100.0%	80.1%	19.1%	0.2%	0.5%
Thu 8 Jun 2023	100.0%	80.2%	18.5%	0.9%	0.4%
Fri 9 Jun 2023	100.0%	78.7%	19.3%	1.8%	0.2%
Sat 10 Jun 2023	100.0%	84.3%	15.1%	0.3%	0.3%
Sun 11 Jun 2023	100.0%	87.6%	12.4%	0.0%	0.0%
Mon 12 Jun 2023	100.0%	76.3%	21.8%	1.4%	0.5%
5 Day Ave.	100.0%	78.9%	19.8%	0.9%	0.4%
7 Day Ave.	100.0%	80.4%	18.5%	0.8%	0.4%

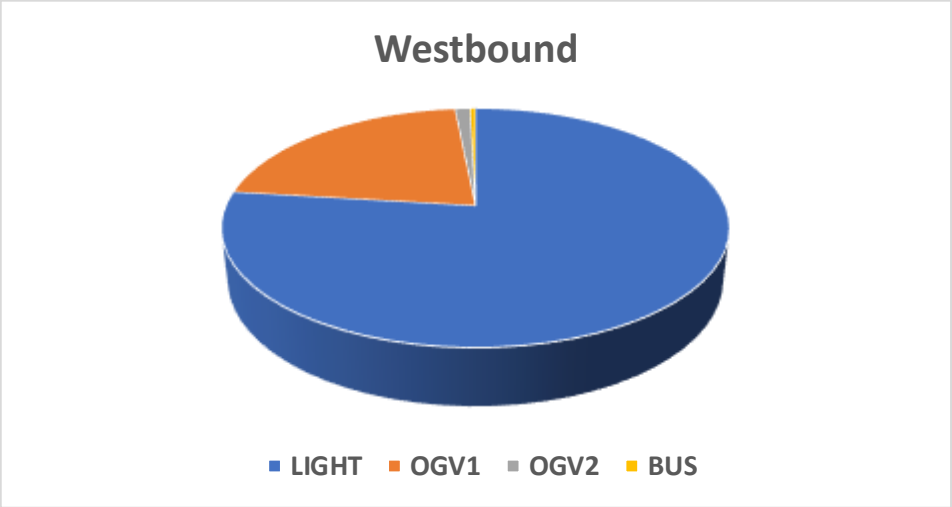
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Direction: Westbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	472	344	122	3	3
Wed 7 Jun 2023	458	355	94	7	2
Thu 8 Jun 2023	484	365	108	7	4
Fri 9 Jun 2023	528	400	118	9	1
Sat 10 Jun 2023	403	330	72	1	0
Sun 11 Jun 2023	310	263	43	2	2
Mon 12 Jun 2023	498	369	121	7	1
5 Day Ave.	488	367	113	7	2
7 Day Ave.	450	347	97	5	2

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	72.9%	25.8%	0.6%	0.6%
Wed 7 Jun 2023	100.0%	77.5%	20.5%	1.5%	0.4%
Thu 8 Jun 2023	100.0%	75.4%	22.3%	1.4%	0.8%
Fri 9 Jun 2023	100.0%	75.8%	22.3%	1.7%	0.2%
Sat 10 Jun 2023	100.0%	81.9%	17.9%	0.2%	0.0%
Sun 11 Jun 2023	100.0%	84.8%	13.9%	0.6%	0.6%
Mon 12 Jun 2023	100.0%	74.1%	24.3%	1.4%	0.2%
5 Day Ave.	100.0%	75.1%	23.1%	1.4%	0.5%
7 Day Ave.	100.0%	76.9%	21.5%	1.1%	0.4%

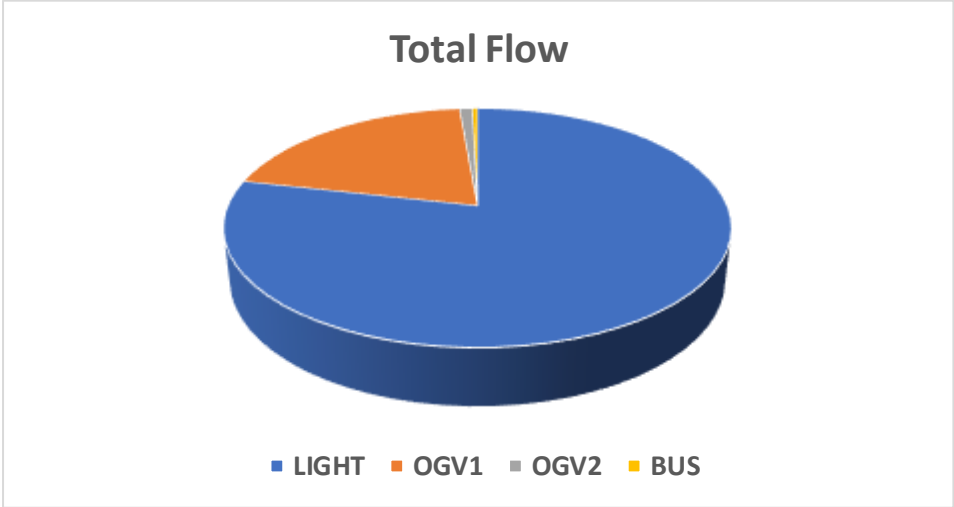
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	881	667	205	4	5
Wed 7 Jun 2023	861	678	171	8	4
Thu 8 Jun 2023	938	729	192	11	6
Fri 9 Jun 2023	969	747	203	17	2
Sat 10 Jun 2023	754	626	125	2	1
Sun 11 Jun 2023	559	481	74	2	2
Mon 12 Jun 2023	916	688	212	13	3
5 Day Ave.	913	702	197	11	4
7 Day Ave.	840	659	169	8	3

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	75.7%	23.3%	0.5%	0.6%
Wed 7 Jun 2023	100.0%	78.7%	19.9%	0.9%	0.5%
Thu 8 Jun 2023	100.0%	77.7%	20.5%	1.2%	0.6%
Fri 9 Jun 2023	100.0%	77.1%	20.9%	1.8%	0.2%
Sat 10 Jun 2023	100.0%	83.0%	16.6%	0.3%	0.1%
Sun 11 Jun 2023	100.0%	86.0%	13.2%	0.4%	0.4%
Mon 12 Jun 2023	100.0%	75.1%	23.1%	1.4%	0.3%
5 Day Ave.	100.0%	76.9%	21.5%	1.2%	0.4%
7 Day Ave.	100.0%	78.5%	20.1%	1.0%	0.4%

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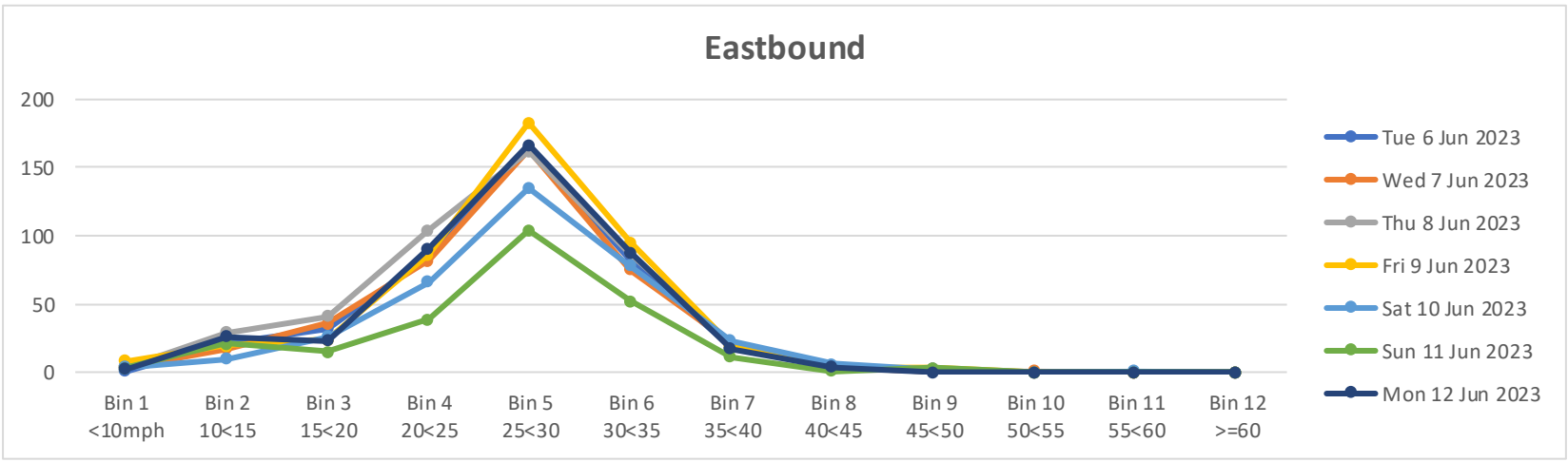


Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	409	32.8	26.5	6.1	1	21	32	85	165	82	18	4	1	0	0	0
Wed 7 Jun 2023	403	33.0	26.4	6.4	4	17	36	82	163	75	21	3	1	1	0	0
Thu 8 Jun 2023	454	32.8	26.0	6.6	4	29	41	104	162	87	21	4	2	0	0	0
Fri 9 Jun 2023	441	33.4	26.8	6.4	8	19	24	86	183	95	19	4	3	0	0	0
Sat 10 Jun 2023	351	34.2	27.4	6.6	4	10	26	66	135	78	23	6	2	0	1	0
Sun 11 Jun 2023	249	33.6	26.4	6.9	3	21	15	39	104	52	11	1	3	0	0	0
Mon 12 Jun 2023	418	32.8	26.4	6.1	2	26	23	91	167	88	17	4	0	0	0	0
5 Day Ave.	425	33.0	26.4	6.3	4	22	31	90	168	85	19	4	1	0	0	0
7 Day Ave.	389	33.2	26.6	6.4	4	20	28	79	154	80	19	4	2	0	0	0

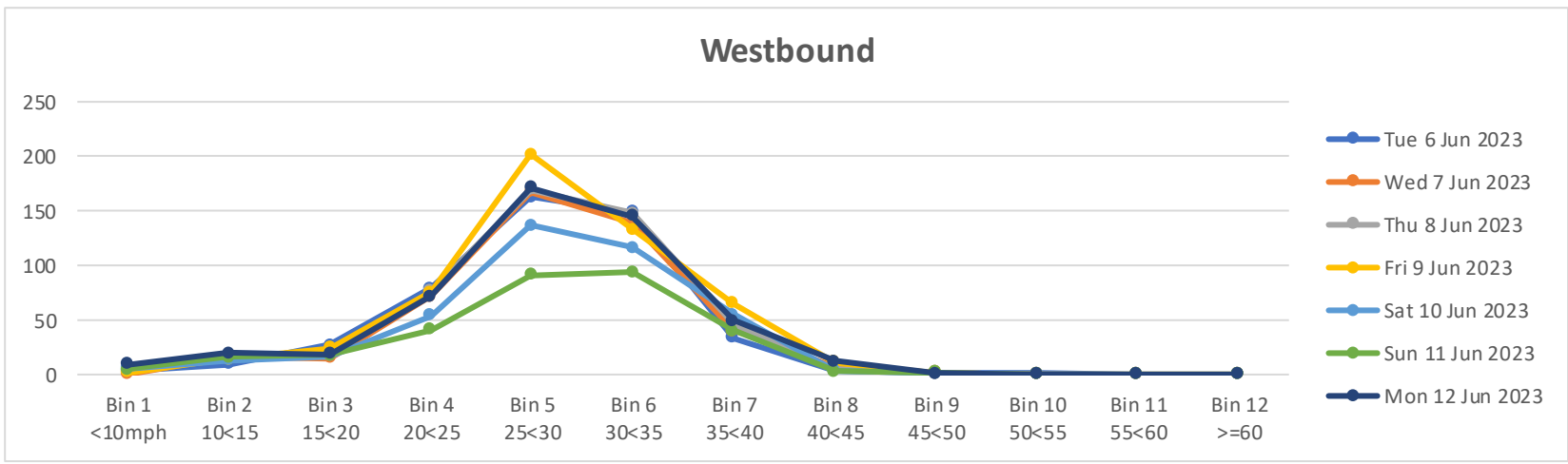
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Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	472	34.5	28.2	6.1	4	9	27	79	163	149	34	4	2	1	0	0
Wed 7 Jun 2023	458	34.7	28.6	5.9	0	16	15	72	167	139	40	8	1	0	0	0
Thu 8 Jun 2023	484	34.7	28.4	6.1	3	15	20	76	169	148	47	5	1	0	0	0
Fri 9 Jun 2023	528	35.2	28.7	6.2	2	14	24	75	202	133	65	11	2	0	0	0
Sat 10 Jun 2023	403	35.5	28.6	6.6	6	13	17	54	137	116	55	4	1	0	0	0
Sun 11 Jun 2023	310	35.7	28.3	7.2	5	16	18	41	91	94	40	3	2	0	0	0
Mon 12 Jun 2023	498	35.3	28.3	6.8	9	20	19	72	171	145	49	12	1	0	0	0
5 Day Ave.	488	34.9	28.4	6.2	4	15	21	75	174	143	47	8	1	0	0	0
7 Day Ave.	450	35.1	28.4	6.4	4	15	20	67	157	132	47	7	1	0	0	0

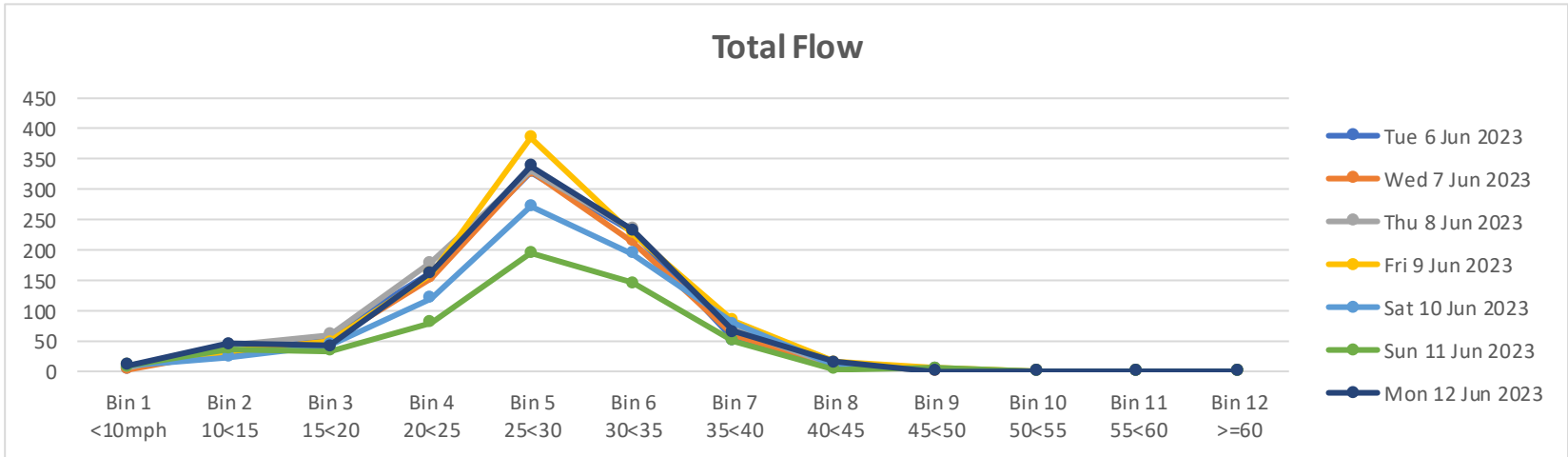
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	881	33.8	27.4	6.1	5	30	59	164	328	231	52	8	3	1	0	0
Wed 7 Jun 2023	861	34.0	27.6	6.2	4	33	51	154	330	214	61	11	2	1	0	0
Thu 8 Jun 2023	938	33.9	27.2	6.5	7	44	61	180	331	235	68	9	3	0	0	0
Fri 9 Jun 2023	969	34.5	27.8	6.4	10	33	48	161	385	228	84	15	5	0	0	0
Sat 10 Jun 2023	754	34.9	28.1	6.6	10	23	43	120	272	194	78	10	3	0	1	0
Sun 11 Jun 2023	559	34.8	27.4	7.1	8	37	33	80	195	146	51	4	5	0	0	0
Mon 12 Jun 2023	916	34.2	27.4	6.5	11	46	42	163	338	233	66	16	1	0	0	0
5 Day Ave.	913	34.1	27.5	6.3	7	37	52	164	342	228	66	12	3	0	0	0
7 Day Ave.	840	34.3	27.6	6.5	8	35	48	146	311	212	66	10	3	0	0	0

Paul Castle Associates



Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	48	32.4	25.7	6.5	0	5	2	13	15	11	2	0	0	0	0	0
Wed 7 Jun 2023	47	32.0	25.2	6.6	0	6	1	12	22	3	2	1	0	0	0	0
Thu 8 Jun 2023	68	29.3	22.0	7.0	3	11	11	17	17	9	0	0	0	0	0	0
Fri 9 Jun 2023	42	32.5	26.7	5.6	0	1	3	11	17	8	1	1	0	0	0	0
Sat 10 Jun 2023	58	33.6	27.2	6.2	0	3	4	11	21	14	5	0	0	0	0	0
Sun 11 Jun 2023	42	31.9	25.0	6.6	0	6	2	9	16	8	1	0	0	0	0	0
Mon 12 Jun 2023	63	31.9	25.1	6.6	0	7	3	19	23	7	3	1	0	0	0	0
5 Day Ave.	54	31.6	24.9	6.5	1	6	4	14	19	8	2	1	0	0	0	0
7 Day Ave.	53	31.9	25.3	6.5	0	6	4	13	19	9	2	0	0	0	0	0

Paul Castle Associates

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	65	33.1	25.9	6.9	2	3	6	14	23	13	3	1	0	0	0	0
Wed 7 Jun 2023	51	31.8	26.4	5.2	0	2	1	17	19	10	2	0	0	0	0	0
Thu 8 Jun 2023	60	34.8	28.3	6.2	1	1	4	8	19	21	6	0	0	0	0	0
Fri 9 Jun 2023	60	34.0	28.8	5.0	0	0	2	8	31	11	7	1	0	0	0	0
Sat 10 Jun 2023	67	34.3	28.5	5.5	0	1	3	12	23	22	5	1	0	0	0	0
Sun 11 Jun 2023	52	34.1	26.8	7.0	0	4	3	12	16	13	3	0	1	0	0	0
Mon 12 Jun 2023	59	32.4	25.9	6.3	2	1	4	17	22	9	4	0	0	0	0	0
5 Day Ave.	59	33.2	27.1	5.9	1	1	3	13	23	13	4	0	0	0	0	0
7 Day Ave.	59	33.5	27.3	6.0	1	2	3	13	22	14	4	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	113	32.8	25.8	6.7	2	8	8	27	38	24	5	1	0	0	0	0
Wed 7 Jun 2023	98	31.9	25.8	5.9	0	8	2	29	41	13	4	1	0	0	0	0
Thu 8 Jun 2023	128	32.6	25.0	7.4	4	12	15	25	36	30	6	0	0	0	0	0
Fri 9 Jun 2023	102	33.5	27.9	5.4	0	1	5	19	48	19	8	2	0	0	0	0
Sat 10 Jun 2023	125	34.0	27.9	5.9	0	4	7	23	44	36	10	1	0	0	0	0
Sun 11 Jun 2023	94	33.1	26.0	6.9	0	10	5	21	32	21	4	0	1	0	0	0
Mon 12 Jun 2023	122	32.2	25.5	6.4	2	8	7	36	45	16	7	1	0	0	0	0
5 Day Ave.	113	32.6	26.0	6.4	2	7	7	27	42	20	6	1	0	0	0	0
7 Day Ave.	112	32.9	26.3	6.4	1	7	7	26	41	23	6	1	0	0	0	0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	49	32.6	26.9	5.6	0	1	3	11	25	6	1	2	0	0	0	0
Wed 7 Jun 2023	66	32.5	25.5	6.7	0	3	10	15	27	8	1	1	0	1	0	0
Thu 8 Jun 2023	82	34.3	27.4	6.6	0	4	6	12	35	20	2	1	2	0	0	0
Fri 9 Jun 2023	78	34.3	27.0	7.0	1	5	5	14	27	19	6	0	1	0	0	0
Sat 10 Jun 2023	50	35.6	27.4	7.9	2	1	2	10	21	9	3	1	0	0	1	0
Sun 11 Jun 2023	30	35.4	28.0	7.1	0	2	2	2	14	7	2	0	1	0	0	0
Mon 12 Jun 2023	61	32.0	26.0	5.8	0	4	4	13	28	9	3	0	0	0	0	0
5 Day Ave.	67	33.1	26.6	6.3	0	3	6	13	28	12	3	1	1	0	0	0
7 Day Ave.	59	33.8	26.9	6.7	0	3	5	11	25	11	3	1	1	0	0	0

Paul Castle Associates

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	85	35.0	28.6	6.2	0	3	5	12	27	28	9	1	0	0	0	0
Wed 7 Jun 2023	71	36.0	28.6	7.1	0	5	2	10	23	20	9	1	1	0	0	0
Thu 8 Jun 2023	80	34.6	27.9	6.5	1	3	3	17	23	25	7	1	0	0	0	0
Fri 9 Jun 2023	104	35.8	28.9	6.7	1	2	5	18	33	29	12	3	1	0	0	0
Sat 10 Jun 2023	65	36.7	26.9	9.4	6	4	4	6	17	17	9	1	1	0	0	0
Sun 11 Jun 2023	44	38.3	29.9	8.1	1	3	0	6	8	14	11	0	1	0	0	0
Mon 12 Jun 2023	74	36.4	28.5	7.7	1	6	2	9	23	21	8	4	0	0	0	0
5 Day Ave.	83	35.5	28.5	6.8	1	4	3	13	26	25	9	2	0	0	0	0
7 Day Ave.	75	36.1	28.5	7.4	1	4	3	11	22	22	9	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	134	34.2	27.9	6.0	0	4	8	23	52	34	10	3	0	0	0	0
Wed 7 Jun 2023	137	34.5	27.1	7.1	0	8	12	25	50	28	10	2	1	1	0	0
Thu 8 Jun 2023	162	34.4	27.7	6.5	1	7	9	29	58	45	9	2	2	0	0	0
Fri 9 Jun 2023	182	35.2	28.1	6.9	2	7	10	32	60	48	18	3	2	0	0	0
Sat 10 Jun 2023	115	36.2	27.1	8.8	8	5	6	16	38	26	12	2	1	0	1	0
Sun 11 Jun 2023	74	37.1	29.1	7.7	1	5	2	8	22	21	13	0	2	0	0	0
Mon 12 Jun 2023	135	34.6	27.4	7.0	1	10	6	22	51	30	11	4	0	0	0	0
5 Day Ave.	150	34.6	27.6	6.7	1	7	9	26	54	37	12	3	1	0	0	0
7 Day Ave.	134	35.2	27.8	7.1	2	7	8	22	47	33	12	2	1	0	0	0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

06/06/2023					
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	1	1	0	0	0
05:00	9	9	0	0	0
06:00	16	13	3	0	0
07:00	29	26	3	0	0
08:00	44	39	5	0	0
09:00	32	25	7	0	0
10:00	28	14	13	0	1
11:00	20	15	5	0	0
12:00	29	23	5	1	0
13:00	30	15	15	0	0
14:00	21	17	4	0	0
15:00	28	22	5	0	1
16:00	37	32	5	0	0
17:00	32	28	4	0	0
18:00	14	12	2	0	0
19:00	19	17	2	0	0
20:00	6	3	3	0	0
21:00	9	8	1	0	0
22:00	4	3	1	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	344	268	73	1	2
16H(6-22)	394	309	82	1	2
18H(6-24)	398	312	83	1	2
24H(0-24)	409	323	83	1	2
AM Peak	08:00 44	08:00 39	10:00 13	00:00 0	10:00 1
PM Peak	16:00 37	16:00 32	13:00 15	12:00 1	15:00 1

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	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	1	0	1	0	0
05:00	8	7	1	0	0
06:00	12	12	0	0	0
07:00	23	18	5	0	0
08:00	37	30	6	1	0
09:00	30	19	9	1	1
10:00	35	22	13	0	0
11:00	30	22	8	0	0
12:00	41	25	15	1	0
13:00	25	13	11	0	1
14:00	40	31	8	0	1
15:00	45	32	13	0	0
16:00	43	33	10	0	0
17:00	38	26	12	0	0
18:00	31	29	2	0	0
19:00	15	10	5	0	0
20:00	8	7	1	0	0
21:00	4	4	0	0	0
22:00	2	0	2	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	418	300	112	3	3
16H(6-22)	457	333	118	3	3
18H(6-24)	460	334	120	3	3
24H(0-24)	472	344	122	3	3
AM Peak	08:00 37	08:00 30	10:00 13	08:00 1	09:00 1
PM Peak	15:00 45	16:00 33	12:00 15	12:00 1	13:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	1	1	0	0	0
04:00	2	1	1	0	0
05:00	17	16	1	0	0
06:00	28	25	3	0	0
07:00	52	44	8	0	0
08:00	81	69	11	1	0
09:00	62	44	16	1	1
10:00	63	36	26	0	1
11:00	50	37	13	0	0
12:00	70	48	20	2	0
13:00	55	28	26	0	1
14:00	61	48	12	0	1
15:00	73	54	18	0	1
16:00	80	65	15	0	0
17:00	70	54	16	0	0
18:00	45	41	4	0	0
19:00	34	27	7	0	0
20:00	14	10	4	0	0
21:00	13	12	1	0	0
22:00	6	3	3	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	762	568	185	4	5
16H(6-22)	851	642	200	4	5
18H(6-24)	858	646	203	4	5
24H(0-24)	881	667	205	4	5
AM Peak	08:00 81	08:00 69	10:00 26	08:00 1	09:00 1
PM Peak	16:00 80	16:00 65	13:00 26	12:00 2	13:00 1

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	1	1	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	12	12	0	0	0
06:00	12	11	1	0	0
07:00	28	23	5	0	0
08:00	38	34	4	0	0
09:00	22	20	2	0	0
10:00	23	18	5	0	0
11:00	24	18	6	0	0
12:00	25	16	8	0	1
13:00	33	21	12	0	0
14:00	34	23	11	0	0
15:00	32	23	9	0	0
16:00	33	28	3	1	1
17:00	28	25	3	0	0
18:00	23	19	4	0	0
19:00	13	12	1	0	0
20:00	10	9	1	0	0
21:00	6	6	0	0	0
22:00	3	2	1	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	343	268	72	1	2
16H(6-22)	384	306	75	1	2
18H(6-24)	388	309	76	1	2
24H(0-24)	403	323	77	1	2
AM Peak	08:00	08:00	11:00	00:00	00:00
	38	34	6	0	0
PM Peak	14:00	16:00	13:00	16:00	12:00
	34	28	12	1	1

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	2	2	0	0	0
03:00	0	0	0	0	0
04:00	1	1	0	0	0
05:00	11	10	1	0	0
06:00	11	9	2	0	0
07:00	22	18	3	1	0
08:00	41	34	7	0	0
09:00	34	24	8	2	0
10:00	27	24	3	0	0
11:00	24	17	6	1	0
12:00	32	24	7	1	0
13:00	32	21	10	0	1
14:00	33	19	13	1	0
15:00	38	26	11	1	0
16:00	54	45	8	0	1
17:00	31	28	3	0	0
18:00	33	27	6	0	0
19:00	15	14	1	0	0
20:00	12	8	4	0	0
21:00	1	1	0	0	0
22:00	3	2	1	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	401	307	85	7	2
16H(6-22)	440	339	92	7	2
18H(6-24)	443	341	93	7	2
24H(0-24)	458	355	94	7	2
AM Peak	08:00	08:00	09:00	09:00	00:00
	41	34	8	2	0
PM Peak	16:00	16:00	14:00	12:00	13:00
	54	45	13	1	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	1	1	0	0
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	0	0	0	0	0
04:00	2	2	0	0	0
05:00	23	22	1	0	0
06:00	23	20	3	0	0
07:00	50	41	8	1	0
08:00	79	68	11	0	0
09:00	56	44	10	2	0
10:00	50	42	8	0	0
11:00	48	35	12	1	0
12:00	57	40	15	1	1
13:00	65	42	22	0	1
14:00	67	42	24	1	0
15:00	70	49	20	1	0
16:00	87	73	11	1	2
17:00	59	53	6	0	0
18:00	56	46	10	0	0
19:00	28	26	2	0	0
20:00	22	17	5	0	0
21:00	7	7	0	0	0
22:00	6	4	2	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	744	575	157	8	4
16H(6-22)	824	645	167	8	4
18H(6-24)	831	650	169	8	4
24H(0-24)	861	678	171	8	4
AM Peak	08:00	08:00	11:00	09:00	00:00
	79	68	12	2	0
PM Peak	16:00	16:00	14:00	12:00	16:00
	87	73	24	1	2

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

08/06/2023					
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	12	11	1	0	0
06:00	9	8	1	0	0
07:00	39	35	2	2	0
08:00	41	36	5	0	0
09:00	25	22	3	0	0
10:00	41	24	16	1	0
11:00	27	19	7	0	1
12:00	25	19	6	0	0
13:00	38	29	8	0	1
14:00	44	34	9	1	0
15:00	38	29	9	0	0
16:00	25	22	3	0	0
17:00	27	22	5	0	0
18:00	21	15	6	0	0
19:00	20	19	1	0	0
20:00	10	9	1	0	0
21:00	9	8	1	0	0
22:00	1	1	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	391	306	79	4	2
16H(6-22)	439	350	83	4	2
18H(6-24)	442	353	83	4	2
24H(0-24)	454	364	84	4	2
AM Peak	08:00	08:00	10:00	07:00	11:00
	41	36	16	2	1
PM Peak	14:00	14:00	14:00	14:00	13:00
	44	34	9	1	1

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	2	1	1	0	0
04:00	1	0	1	0	0
05:00	13	11	2	0	0
06:00	11	10	1	0	0
07:00	18	15	3	0	0
08:00	47	34	10	2	1
09:00	35	25	9	1	0
10:00	28	15	13	0	0
11:00	32	21	9	2	0
12:00	29	21	6	0	2
13:00	28	21	7	0	0
14:00	48	32	14	1	1
15:00	32	24	7	1	0
16:00	50	41	9	0	0
17:00	36	32	4	0	0
18:00	39	30	9	0	0
19:00	17	14	3	0	0
20:00	5	5	0	0	0
21:00	8	8	0	0	0
22:00	1	1	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	422	311	100	7	4
16H(6-22)	463	348	104	7	4
18H(6-24)	466	351	104	7	4
24H(0-24)	484	365	108	7	4
AM Peak	08:00	08:00	10:00	08:00	08:00
	47	34	13	2	1
PM Peak	16:00	16:00	14:00	14:00	12:00
	50	41	14	1	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	2	1	1	0	0
04:00	1	0	1	0	0
05:00	25	22	3	0	0
06:00	20	18	2	0	0
07:00	57	50	5	2	0
08:00	88	70	15	2	1
09:00	60	47	12	1	0
10:00	69	39	29	1	0
11:00	59	40	16	2	1
12:00	54	40	12	0	2
13:00	66	50	15	0	1
14:00	92	66	23	2	1
15:00	70	53	16	1	0
16:00	75	63	12	0	0
17:00	63	54	9	0	0
18:00	60	45	15	0	0
19:00	37	33	4	0	0
20:00	15	14	1	0	0
21:00	17	16	1	0	0
22:00	2	2	0	0	0
23:00	4	4	0	0	0
Total					
12H(7-19)	813	617	179	11	6
16H(6-22)	902	698	187	11	6
18H(6-24)	908	704	187	11	6
24H(0-24)	938	729	192	11	6
AM Peak	08:00	08:00	10:00	07:00	08:00
	88	70	29	2	1
PM Peak	14:00	14:00	14:00	14:00	12:00
	92	66	23	2	2

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	0	1	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	11	9	2	0	0
06:00	12	11	1	0	0
07:00	33	29	2	2	0
08:00	35	33	2	0	0
09:00	30	21	8	0	1
10:00	18	12	6	0	0
11:00	24	17	7	0	0
12:00	26	20	6	0	0
13:00	30	16	11	3	0
14:00	39	31	7	1	0
15:00	39	33	6	0	0
16:00	44	33	9	2	0
17:00	27	20	7	0	0
18:00	20	18	2	0	0
19:00	13	11	2	0	0
20:00	17	13	4	0	0
21:00	14	12	2	0	0
22:00	5	5	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	365	283	73	8	1
16H(6-22)	421	330	82	8	1
18H(6-24)	427	336	82	8	1
24H(0-24)	441	347	85	8	1
AM Peak	08:00 35	08:00 33	09:00 8	07:00 2	09:00 1
PM Peak	16:00 44	15:00 33	13:00 11	13:00 3	12:00 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	1	0	0	0
04:00	1	0	1	0	0
05:00	12	10	2	0	0
06:00	14	13	1	0	0
07:00	29	23	6	0	0
08:00	36	26	8	2	0
09:00	23	15	6	1	1
10:00	28	18	10	0	0
11:00	32	27	5	0	0
12:00	39	28	11	0	0
13:00	28	18	9	1	0
14:00	44	27	14	3	0
15:00	60	49	10	1	0
16:00	44	32	12	0	0
17:00	52	44	7	1	0
18:00	37	34	3	0	0
19:00	21	15	6	0	0
20:00	9	8	1	0	0
21:00	12	7	5	0	0
22:00	5	4	1	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	452	341	101	9	1
16H(6-22)	508	384	114	9	1
18H(6-24)	514	389	115	9	1
24H(0-24)	528	400	118	9	1
AM Peak	08:00 36	11:00 27	10:00 10	08:00 2	09:00 1
PM Peak	15:00 60	15:00 49	14:00 14	14:00 3	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	0	1	0	0
02:00	0	0	0	0	0
03:00	1	1	0	0	0
04:00	3	2	1	0	0
05:00	23	19	4	0	0
06:00	26	24	2	0	0
07:00	62	52	8	2	0
08:00	71	59	10	2	0
09:00	53	36	14	1	2
10:00	46	30	16	0	0
11:00	56	44	12	0	0
12:00	65	48	17	0	0
13:00	58	34	20	4	0
14:00	83	58	21	4	0
15:00	99	82	16	1	0
16:00	88	65	21	2	0
17:00	79	64	14	1	0
18:00	57	52	5	0	0
19:00	34	26	8	0	0
20:00	26	21	5	0	0
21:00	26	19	7	0	0
22:00	10	9	1	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	817	624	174	17	2
16H(6-22)	929	714	196	17	2
18H(6-24)	941	725	197	17	2
24H(0-24)	969	747	203	17	2
AM Peak	08:00 71	08:00 59	10:00 16	07:00 2	09:00 2
PM Peak	15:00 99	15:00 82	14:00 21	13:00 4	12:00 0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

10/06/2023					
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	0	0	0	0	0
05:00	4	4	0	0	0
06:00	7	6	1	0	0
07:00	10	8	2	0	0
08:00	34	30	4	0	0
09:00	32	27	5	0	0
10:00	23	19	4	0	0
11:00	35	30	5	0	0
12:00	27	23	4	0	0
13:00	26	23	3	0	0
14:00	22	17	4	1	0
15:00	28	21	7	0	0
16:00	19	15	4	0	0
17:00	21	19	2	0	0
18:00	17	15	2	0	0
19:00	15	15	0	0	0
20:00	13	11	2	0	0
21:00	5	5	0	0	0
22:00	4	1	2	0	1
23:00	5	3	2	0	0
Total					
12H(7-19)	294	247	46	1	0
16H(6-22)	334	284	49	1	0
18H(6-24)	343	288	53	1	1
24H(0-24)	351	296	53	1	1
AM Peak	11:00	08:00	09:00	00:00	00:00
	35	30	5	0	0
PM Peak	15:00	12:00	15:00	14:00	22:00
	28	23	7	1	1

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	0	0	0	0	0
02:00	1	1	0	0	0
03:00	3	2	1	0	0
04:00	1	0	1	0	0
05:00	0	0	0	0	0
06:00	2	2	0	0	0
07:00	37	29	8	0	0
08:00	36	26	10	0	0
09:00	23	16	7	0	0
10:00	38	28	10	0	0
11:00	29	24	5	0	0
12:00	35	33	2	0	0
13:00	24	22	2	0	0
14:00	38	34	3	1	0
15:00	27	23	4	0	0
16:00	21	16	5	0	0
17:00	20	14	6	0	0
18:00	24	23	1	0	0
19:00	20	18	2	0	0
20:00	5	3	2	0	0
21:00	9	6	3	0	0
22:00	4	4	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	352	288	63	1	0
16H(6-22)	388	317	70	1	0
18H(6-24)	394	323	70	1	0
24H(0-24)	403	330	72	1	0
AM Peak	10:00	07:00	08:00	00:00	00:00
	38	29	10	0	0
PM Peak	14:00	14:00	17:00	14:00	12:00
	38	34	6	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	0	0	0	0	0
02:00	2	2	0	0	0
03:00	3	2	1	0	0
04:00	1	0	1	0	0
05:00	4	4	0	0	0
06:00	9	8	1	0	0
07:00	47	37	10	0	0
08:00	70	56	14	0	0
09:00	55	43	12	0	0
10:00	61	47	14	0	0
11:00	64	54	10	0	0
12:00	62	56	6	0	0
13:00	50	45	5	0	0
14:00	60	51	7	2	0
15:00	55	44	11	0	0
16:00	40	31	9	0	0
17:00	41	33	8	0	0
18:00	41	38	3	0	0
19:00	35	33	2	0	0
20:00	18	14	4	0	0
21:00	14	11	3	0	0
22:00	8	5	2	0	1
23:00	7	5	2	0	0
Total					
12H(7-19)	646	535	109	2	0
16H(6-22)	722	601	119	2	0
18H(6-24)	737	611	123	2	1
24H(0-24)	754	626	125	2	1
AM Peak	08:00	08:00	08:00	00:00	00:00
	70	56	14	0	0
PM Peak	12:00	12:00	15:00	14:00	22:00
	62	56	11	2	1

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound					
11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	2	2	0	0	0
05:00	1	1	0	0	0
06:00	4	4	0	0	0
07:00	5	4	1	0	0
08:00	15	13	2	0	0
09:00	21	20	1	0	0
10:00	19	16	3	0	0
11:00	23	21	2	0	0
12:00	21	17	4	0	0
13:00	16	12	4	0	0
14:00	14	13	1	0	0
15:00	16	13	3	0	0
16:00	16	15	1	0	0
17:00	33	31	2	0	0
18:00	19	13	6	0	0
19:00	7	7	0	0	0
20:00	9	8	1	0	0
21:00	2	2	0	0	0
22:00	3	3	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	218	188	30	0	0
16H(6-22)	240	209	31	0	0
18H(6-24)	244	213	31	0	0
24H(0-24)	249	218	31	0	0
AM Peak	11:00	11:00	10:00	00:00	00:00
	23	21	3	0	0
PM Peak	17:00	17:00	18:00	12:00	12:00
	33	31	6	0	0

Paul Castle Associates

Direction: Westbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	5	1	3	0	1
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	2	2	0	0	0
07:00	15	7	8	0	0
08:00	21	15	5	0	1
09:00	10	8	2	0	0
10:00	17	15	2	0	0
11:00	35	32	3	0	0
12:00	29	29	0	0	0
13:00	24	21	3	0	0
14:00	20	18	2	0	0
15:00	24	19	5	0	0
16:00	21	16	4	1	0
17:00	30	28	1	1	0
18:00	23	21	2	0	0
19:00	16	13	3	0	0
20:00	5	5	0	0	0
21:00	5	5	0	0	0
22:00	5	5	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	269	229	37	2	1
16H(6-22)	297	254	40	2	1
18H(6-24)	303	260	40	2	1
24H(0-24)	310	263	43	2	2
AM Peak	11:00	11:00	07:00	00:00	03:00
	35	32	8	0	1
PM Peak	17:00	12:00	15:00	16:00	12:00
	30	29	5	1	0

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	0	0	0	0	0
03:00	5	1	3	0	1
04:00	2	2	0	0	0
05:00	1	1	0	0	0
06:00	6	6	0	0	0
07:00	20	11	9	0	0
08:00	36	28	7	0	1
09:00	31	28	3	0	0
10:00	36	31	5	0	0
11:00	58	53	5	0	0
12:00	50	46	4	0	0
13:00	40	33	7	0	0
14:00	34	31	3	0	0
15:00	40	32	8	0	0
16:00	37	31	5	1	0
17:00	63	59	3	1	0
18:00	42	34	8	0	0
19:00	23	20	3	0	0
20:00	14	13	1	0	0
21:00	7	7	0	0	0
22:00	8	8	0	0	0
23:00	2	2	0	0	0
Total					
12H(7-19)	487	417	67	2	1
16H(6-22)	537	463	71	2	1
18H(6-24)	547	473	71	2	1
24H(0-24)	559	481	74	2	2
AM Peak	11:00	11:00	07:00	00:00	03:00
	58	53	9	0	1
PM Peak	17:00	17:00	15:00	16:00	12:00
	63	59	8	1	0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

12/06/2023					
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	2	1	1	0	0
05:00	6	5	1	0	0
06:00	15	11	3	1	0
07:00	35	30	5	0	0
08:00	37	29	8	0	0
09:00	26	20	5	1	0
10:00	31	20	11	0	0
11:00	32	21	9	1	1
12:00	23	14	8	0	1
13:00	40	31	9	0	0
14:00	23	18	5	0	0
15:00	38	27	9	2	0
16:00	29	24	5	0	0
17:00	28	25	3	0	0
18:00	11	8	2	1	0
19:00	23	20	3	0	0
20:00	6	3	3	0	0
21:00	8	8	0	0	0
22:00	3	3	0	0	0
23:00	2	1	1	0	0
Total					
12H(7-19)	353	267	79	5	2
16H(6-22)	405	309	88	6	2
18H(6-24)	410	313	89	6	2
24H(0-24)	418	319	91	6	2
AM Peak	08:00	07:00	10:00	06:00	11:00
	37	30	11	1	1
PM Peak	13:00	13:00	13:00	15:00	12:00
	40	31	9	2	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	1	1	0	0	0
03:00	0	0	0	0	0
04:00	3	2	1	0	0
05:00	4	4	0	0	0
06:00	14	13	1	0	0
07:00	19	12	7	0	0
08:00	50	41	8	1	0
09:00	37	26	10	1	0
10:00	30	18	12	0	0
11:00	29	22	6	1	0
12:00	33	18	13	1	1
13:00	37	24	13	0	0
14:00	42	29	12	1	0
15:00	32	24	7	1	0
16:00	50	35	14	1	0
17:00	42	35	7	0	0
18:00	29	23	6	0	0
19:00	22	20	2	0	0
20:00	8	7	1	0	0
21:00	10	9	1	0	0
22:00	4	4	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	430	307	115	7	1
16H(6-22)	484	356	120	7	1
18H(6-24)	488	360	120	7	1
24H(0-24)	498	369	121	7	1
AM Peak	08:00	08:00	10:00	08:00	00:00
	50	41	12	1	0
PM Peak	16:00	16:00	16:00	12:00	12:00
	50	35	14	1	1

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	1	1	0	0	0
03:00	0	0	0	0	0
04:00	5	3	2	0	0
05:00	10	9	1	0	0
06:00	29	24	4	1	0
07:00	54	42	12	0	0
08:00	87	70	16	1	0
09:00	63	46	15	2	0
10:00	61	38	23	0	0
11:00	61	43	15	2	1
12:00	56	32	21	1	2
13:00	77	55	22	0	0
14:00	65	47	17	1	0
15:00	70	51	16	3	0
16:00	79	59	19	1	0
17:00	70	60	10	0	0
18:00	40	31	8	1	0
19:00	45	40	5	0	0
20:00	14	10	4	0	0
21:00	18	17	1	0	0
22:00	7	7	0	0	0
23:00	2	1	1	0	0
Total					
12H(7-19)	783	574	194	12	3
16H(6-22)	889	665	208	13	3
18H(6-24)	898	673	209	13	3
24H(0-24)	916	688	212	13	3
AM Peak	08:00	08:00	10:00	09:00	11:00
	87	70	23	2	1
PM Peak	16:00	17:00	13:00	15:00	12:00
	79	60	22	3	2

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	22.5	-	0	0	0	1	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	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
05:00	9	35.4	28.6	6.5	0	0	1	2	1	4	1	0	0	0	0	0
06:00	16	31.8	24.1	7.5	0	3	1	4	5	2	1	0	0	0	0	0
07:00	29	32.6	27.8	4.6	0	1	0	5	13	10	0	0	0	0	0	0
08:00	44	32.5	25.7	6.6	0	4	5	8	14	12	1	0	0	0	0	0
09:00	32	32.4	26.0	6.2	1	1	3	5	15	6	1	0	0	0	0	0
10:00	28	31.9	26.1	5.6	0	1	2	9	9	6	1	0	0	0	0	0
11:00	20	33.2	25.3	7.7	0	4	0	4	6	5	1	0	0	0	0	0
12:00	29	31.9	24.7	6.9	0	4	2	7	11	3	2	0	0	0	0	0
13:00	30	32.7	27.0	5.5	0	1	2	4	17	5	0	1	0	0	0	0
14:00	21	30.6	25.6	4.9	0	1	2	3	13	2	0	0	0	0	0	0
15:00	28	34.0	27.9	5.9	0	0	1	8	12	4	1	2	0	0	0	0
16:00	37	33.7	28.3	5.2	0	0	2	7	15	9	4	0	0	0	0	0
17:00	32	33.2	26.6	6.4	0	1	5	5	12	6	3	0	0	0	0	0
18:00	14	31.9	27.1	4.6	0	0	2	0	9	3	0	0	0	0	0	0
19:00	19	36.4	28.6	7.6	0	0	2	5	4	5	2	0	1	0	0	0
20:00	6	28.4	24.2	4.1	0	0	1	2	3	0	0	0	0	0	0	0
21:00	9	27.5	24.7	2.6	0	0	0	5	4	0	0	0	0	0	0	0
22:00	4	38.7	27.5	10.8	0	0	1	1	1	0	0	1	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	48	32.4	25.7	6.5	0	5	2	13	15	11	2	0	0	0	0	0
2H(14-16)	49	32.6	26.9	5.6	0	1	3	11	25	6	1	2	0	0	0	0
12H(7-19)	344	32.7	26.5	6.0	1	18	26	65	146	71	14	3	0	0	0	0
24H(0-24)	409	32.8	26.5	6.1	1	21	32	85	165	82	18	4	1	0	0	0
AM Peak	08:00	05:00	05:00	11:00	09:00	08:00	08:00	10:00	09:00	08:00	05:00	00:00	00:00	00:00	00:00	00:00
	44	35.4	28.6	7.7	1	4	5	9	15	12	1	0	0	0	0	0
PM Peak	16:00	22:00	19:00	22:00	12:00	12:00	17:00	15:00	13:00	16:00	16:00	15:00	19:00	12:00	12:00	12:00
	37	38.7	28.6	10.8	0	4	5	8	17	9	4	2	1	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
01:00	1	-	27.5	-	0	0	0	0	1	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	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
04:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	8	38.4	30.6	7.5	0	0	0	1	4	2	0	0	1	0	0	0
06:00	12	33.9	27.1	6.6	0	0	1	5	2	2	2	0	0	0	0	0
07:00	23	31.2	27.1	4.0	0	0	1	5	12	5	0	0	0	0	0	0
08:00	37	33.4	27.9	5.3	0	0	3	8	11	13	2	0	0	0	0	0
09:00	30	33.3	28.5	4.6	0	0	1	6	10	12	1	0	0	0	0	0
10:00	35	32.4	25.9	6.3	0	1	5	9	12	6	1	1	0	0	0	0
11:00	30	33.9	25.9	7.7	2	2	1	5	11	7	2	0	0	0	0	0
12:00	41	34.4	27.4	6.7	1	1	4	5	15	11	4	0	0	0	0	0
13:00	25	35.0	28.9	5.9	0	0	1	6	7	8	2	1	0	0	0	0
14:00	40	34.7	28.3	6.3	0	1	4	4	16	9	6	0	0	0	0	0
15:00	45	35.2	28.8	6.2	0	2	1	8	11	19	3	1	0	0	0	0
16:00	43	35.8	29.8	5.8	0	1	2	3	12	22	2	0	1	0	0	0
17:00	38	34.4	28.6	5.6	0	1	1	5	18	9	3	1	0	0	0	0
18:00	31	34.3	29.9	4.3	0	0	0	5	8	16	2	0	0	0	0	0
19:00	15	32.8	27.8	4.8	0	0	1	2	8	3	1	0	0	0	0	0
20:00	8	39.2	29.4	9.5	1	0	0	0	2	3	2	0	0	0	0	0
21:00	4	47.3	35.0	11.9	0	0	0	0	2	1	0	0	0	1	0	0
22:00	2	41.0	30.0	10.6	0	0	0	1	0	0	1	0	0	0	0	0
23:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	65	33.1	25.9	6.9	2	3	6	14	23	13	3	1	0	0	0	0
2H(14-16)	85	35.0	28.6	6.2	0	3	5	12	27	28	9	1	0	0	0	0
12H(7-19)	418	34.3	28.1	5.9	3	9	24	69	143	137	28	4	1	0	0	0
24H(0-24)	472	34.5	28.2	6.1	4	9	27	79	163	149	34	4	2	1	0	0
AM Peak	08:00	05:00	04:00	11:00	11:00	11:00	10:00	10:00	07:00	08:00	06:00	10:00	05:00	00:00	00:00	00:00
	37	38.4	32.5	7.7	2	2	5	9	12	13	2	1	1	0	0	0
PM Peak	15:00	21:00	21:00	21:00	12:00	15:00	12:00	15:00	17:00	16:00	14:00	13:00	16:00	21:00	12:00	12:00
	45	47.3	35.0	11.9	1	2	4	8	18	22	6	1	1	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
01:00	1	-	27.5	-	0	0	0	0	1	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	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
04:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
05:00	17	36.7	29.6	6.9	0	0	1	3	5	6	1	0	1	0	0	0
06:00	28	32.7	25.4	7.1	0	3	2	9	7	4	3	0	0	0	0	0
07:00	52	32.0	27.5	4.3	0	1	1	10	25	15	0	0	0	0	0	0
08:00	81	33.0	26.7	6.1	0	4	8	16	25	25	3	0	0	0	0	0
09:00	62	33.0	27.2	5.6	1	1	4	11	25	18	2	0	0	0	0	0
10:00	63	32.1	26.0	5.9	0	2	7	18	21	12	2	1	0	0	0	0
11:00	50	33.5	25.6	7.6	2	6	1	9	17	12	3	0	0	0	0	0
12:00	70	33.4	26.3	6.9	1	5	6	12	26	14	6	0	0	0	0	0
13:00	55	33.8	27.9	5.7	0	1	3	10	24	13	2	2	0	0	0	0
14:00	61	33.5	27.3	5.9	0	2	6	7	29	11	6	0	0	0	0	0
15:00	73	34.7	28.5	6.0	0	2	2	16	23	23	4	3	0	0	0	0
16:00	80	34.9	29.1	5.6	0	1	4	10	27	31	6	0	1	0	0	0
17:00	70	33.9	27.6	6.0	0	2	6	10	30	15	6	1	0	0	0	0
18:00	45	33.7	29.1	4.5	0	0	2	5	17	19	2	0	0	0	0	0
19:00	34	34.9	28.2	6.4	0	0	3	7	12	8	3	0	1	0	0	0
20:00	14	35.3	27.2	7.9	1	0	1	2	5	3	2	0	0	0	0	0
21:00	13	36.2	27.9	8.0	0	0	0	5	6	1	0	0	0	1	0	0
22:00	6	38.4	28.3	9.7	0	0	1	2	1	0	1	1	0	0	0	0
23:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	113	32.8	25.8	6.7	2	8	8	27	38	24	5	1	0	0	0	0
2H(14-16)	134	34.2	27.9	6.0	0	4	8	23	52	34	10	3	0	0	0	0
12H(7-19)	762	33.6	27.4	6.0	4	27	50	134	289	208	42	7	1	0	0	0
24H(0-24)	881	33.8	27.4	6.1	5	30	59	164	328	231	52	8	3	1	0	0
AM Peak	08:00 81	05:00 36.7	04:00 30.0	11:00 7.6	11:00 2	11:00 6	08:00 8	10:00 18	07:00 25	08:00 25	06:00 3	10:00 1	05:00 1	00:00 0	00:00 0	00:00 0
PM Peak	16:00 80	22:00 38.4	16:00 29.1	22:00 9.7	12:00 1	12:00 5	12:00 6	15:00 16	17:00 30	16:00 31	12:00 6	15:00 3	16:00 1	21:00 1	12:00 0	12:00 0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	2	29.8	22.5	7.1	0	0	1	0	1	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	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
05:00	12	36.4	30.8	5.4	0	0	0	2	2	7	0	1	0	0	0	0
06:00	12	34.0	27.9	5.8	0	0	1	3	3	4	1	0	0	0	0	0
07:00	28	33.3	27.3	5.8	1	0	2	2	15	7	1	0	0	0	0	0
08:00	38	33.7	27.4	6.1	0	1	4	6	15	8	4	0	0	0	0	0
09:00	22	31.1	25.7	5.2	0	0	3	7	8	3	1	0	0	0	0	0
10:00	23	30.7	25.5	4.9	0	1	1	7	12	1	1	0	0	0	0	0
11:00	24	33.0	24.8	7.9	0	5	0	5	10	2	1	1	0	0	0	0
12:00	25	31.6	24.1	7.2	2	2	0	7	11	2	1	0	0	0	0	0
13:00	33	33.0	26.0	6.7	1	1	3	8	12	5	3	0	0	0	0	0
14:00	34	33.4	25.3	7.8	0	3	5	7	13	4	1	0	0	1	0	0
15:00	32	31.5	25.8	5.5	0	0	5	8	14	4	0	1	0	0	0	0
16:00	33	35.3	27.0	7.9	0	3	4	4	9	10	2	0	1	0	0	0
17:00	28	32.4	26.8	5.4	0	1	2	4	16	3	2	0	0	0	0	0
18:00	23	31.4	27.9	3.3	0	0	0	4	13	6	0	0	0	0	0	0
19:00	13	33.6	27.1	6.3	0	0	2	3	3	4	1	0	0	0	0	0
20:00	10	33.9	28.5	5.2	0	0	0	3	3	3	1	0	0	0	0	0
21:00	6	32.0	24.2	7.5	0	0	2	2	1	0	1	0	0	0	0	0
22:00	3	36.5	27.5	8.7	0	0	1	0	0	2	0	0	0	0	0	0
23:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
Total																
2H(10-12)	47	32.0	25.2	6.6	0	6	1	12	22	3	2	1	0	0	0	0
2H(14-16)	66	32.5	25.5	6.7	0	3	10	15	27	8	1	1	0	1	0	0
12H(7-19)	343	32.8	26.2	6.4	4	17	29	69	148	55	17	2	1	1	0	0
24H(0-24)	403	33.0	26.4	6.4	4	17	36	82	163	75	21	3	1	1	0	0
AM Peak	08:00	05:00	05:00	11:00	07:00	11:00	08:00	09:00	07:00	08:00	08:00	05:00	00:00	00:00	00:00	00:00
	38	36.4	30.8	7.9	1	5	4	7	15	8	4	1	0	0	0	0
PM Peak	14:00	22:00	20:00	22:00	12:00	14:00	14:00	13:00	17:00	16:00	13:00	15:00	16:00	14:00	12:00	12:00
	34	36.5	28.5	8.7	2	3	5	8	16	10	3	1	1	1	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	1	0	0	0	0	0	0
02:00	2	27.5	27.5	0.0	0	0	0	0	2	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	1	0	0	0	0	0	0	0
05:00	11	37.7	31.1	6.4	0	0	0	2	3	3	2	1	0	0	0	0
06:00	11	34.3	28.0	6.1	0	0	1	3	2	4	1	0	0	0	0	0
07:00	22	37.0	30.2	6.5	0	0	2	2	6	7	4	1	0	0	0	0
08:00	41	34.2	28.8	5.1	0	0	1	9	14	12	5	0	0	0	0	0
09:00	34	35.7	29.1	6.4	0	2	0	4	13	10	4	1	0	0	0	0
10:00	27	32.3	26.0	6.0	0	2	1	7	12	3	2	0	0	0	0	0
11:00	24	31.3	26.9	4.3	0	0	0	10	7	7	0	0	0	0	0	0
12:00	32	32.8	25.8	6.8	0	4	2	5	12	8	1	0	0	0	0	0
13:00	32	33.4	27.8	5.4	0	2	0	3	18	7	2	0	0	0	0	0
14:00	33	35.9	28.6	7.0	0	2	0	7	11	8	4	0	1	0	0	0
15:00	38	36.2	28.7	7.2	0	3	2	3	12	12	5	1	0	0	0	0
16:00	54	34.2	29.3	4.8	0	0	2	6	22	20	3	1	0	0	0	0
17:00	31	35.0	29.1	5.7	0	1	0	4	13	11	0	2	0	0	0	0
18:00	33	36.3	30.7	5.4	0	0	1	4	8	14	5	1	0	0	0	0
19:00	15	34.1	28.5	5.4	0	0	1	3	4	6	1	0	0	0	0	0
20:00	12	33.8	29.2	4.4	0	0	1	0	5	6	0	0	0	0	0	0
21:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	3	37.9	27.5	10.0	0	0	1	0	1	0	1	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	51	31.8	26.4	5.2	0	2	1	17	19	10	2	0	0	0	0	0
2H(14-16)	71	36.0	28.6	7.1	0	5	2	10	23	20	9	1	1	0	0	0
12H(7-19)	401	34.7	28.5	6.0	0	16	11	64	148	119	35	7	1	0	0	0
24H(0-24)	458	34.7	28.6	5.9	0	16	15	72	167	139	40	8	1	0	0	0
AM Peak	08:00	05:00	01:00	07:00	00:00	09:00	07:00	11:00	08:00	08:00	08:00	05:00	00:00	00:00	00:00	00:00
	41	37.7	32.5	6.5	0	2	2	10	14	12	5	1	0	0	0	0
PM Peak	16:00	22:00	18:00	22:00	12:00	12:00	12:00	14:00	16:00	16:00	15:00	17:00	14:00	12:00	12:00	12:00
	54	37.9	30.7	10.0	0	4	2	7	22	20	5	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	2	29.8	22.5	7.1	0	0	1	0	1	0	0	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
02:00	2	27.5	27.5	0.0	0	0	0	0	2	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	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
05:00	23	36.9	31.0	5.7	0	0	0	4	5	10	2	2	0	0	0	0
06:00	23	34.0	27.9	5.8	0	0	2	6	5	8	2	0	0	0	0	0
07:00	50	35.1	28.6	6.2	1	0	4	4	21	14	5	1	0	0	0	0
08:00	79	34.0	28.1	5.6	0	1	5	15	29	20	9	0	0	0	0	0
09:00	56	34.1	27.8	6.1	0	2	3	11	21	13	5	1	0	0	0	0
10:00	50	31.5	25.8	5.5	0	3	2	14	24	4	3	0	0	0	0	0
11:00	48	32.5	25.8	6.4	0	5	0	15	17	9	1	1	0	0	0	0
12:00	57	32.3	25.1	7.0	2	6	2	12	23	10	2	0	0	0	0	0
13:00	65	33.2	26.9	6.1	1	3	3	11	30	12	5	0	0	0	0	0
14:00	67	34.7	26.9	7.6	0	5	5	14	24	12	5	0	1	1	0	0
15:00	70	34.2	27.4	6.6	0	3	7	11	26	16	5	2	0	0	0	0
16:00	87	34.9	28.4	6.2	0	3	6	10	31	30	5	1	1	0	0	0
17:00	59	33.8	28.0	5.6	0	2	2	8	29	14	2	2	0	0	0	0
18:00	56	34.6	29.6	4.8	0	0	1	8	21	20	5	1	0	0	0	0
19:00	28	33.8	27.9	5.8	0	0	3	6	7	10	2	0	0	0	0	0
20:00	22	33.7	28.9	4.7	0	0	1	3	8	9	1	0	0	0	0	0
21:00	7	31.9	24.6	7.0	0	0	2	2	2	0	1	0	0	0	0	0
22:00	6	36.2	27.5	8.4	0	0	2	0	1	2	1	0	0	0	0	0
23:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
Total																
2H(10-12)	98	31.9	25.8	5.9	0	8	2	29	41	13	4	1	0	0	0	0
2H(14-16)	137	34.5	27.1	7.1	0	8	12	25	50	28	10	2	1	1	0	0
12H(7-19)	744	33.9	27.4	6.3	4	33	40	133	296	174	52	9	2	1	0	0
24H(0-24)	861	34.0	27.6	6.2	4	33	51	154	330	214	61	11	2	1	0	0
AM Peak	08:00	05:00	01:00	00:00	07:00	11:00	08:00	08:00	08:00	08:00	08:00	05:00	00:00	00:00	00:00	00:00
	79	36.9	32.5	7.1	1	5	5	15	29	20	9	2	0	0	0	0
PM Peak	16:00	22:00	18:00	22:00	12:00	12:00	15:00	14:00	16:00	16:00	13:00	15:00	14:00	14:00	12:00	12:00
	87	36.2	29.6	8.4	2	6	7	14	31	30	5	2	1	1	0	0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	12	31.7	26.3	5.3	0	0	2	2	5	3	0	0	0	0	0	0
06:00	9	31.2	28.1	3.0	0	0	0	1	6	2	0	0	0	0	0	0
07:00	39	34.8	28.5	6.1	0	0	5	4	13	13	3	1	0	0	0	0
08:00	41	33.2	26.2	6.8	0	3	4	9	14	8	2	1	0	0	0	0
09:00	25	32.9	26.9	5.8	0	2	0	5	11	6	1	0	0	0	0	0
10:00	41	29.1	21.3	7.5	3	8	5	10	10	5	0	0	0	0	0	0
11:00	27	29.5	23.1	6.3	0	3	6	7	7	4	0	0	0	0	0	0
12:00	25	31.2	24.1	6.8	1	2	1	10	8	1	2	0	0	0	0	0
13:00	38	32.9	26.6	6.1	0	2	1	12	14	6	2	1	0	0	0	0
14:00	44	33.0	25.9	6.9	0	3	6	8	15	11	0	0	1	0	0	0
15:00	38	35.3	29.2	5.8	0	1	0	4	20	9	2	1	1	0	0	0
16:00	25	33.3	26.7	6.4	0	1	1	10	5	5	3	0	0	0	0	0
17:00	27	33.6	26.6	6.8	0	2	2	6	9	5	3	0	0	0	0	0
18:00	21	32.3	26.8	5.3	0	0	2	6	7	5	1	0	0	0	0	0
19:00	20	31.3	24.5	6.6	0	1	5	4	6	3	1	0	0	0	0	0
20:00	10	32.9	26.5	6.1	0	1	0	1	7	0	1	0	0	0	0	0
21:00	9	28.7	24.2	4.3	0	0	1	5	2	1	0	0	0	0	0	0
22:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
23:00	2	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
Total																
2H(10-12)	68	29.3	22.0	7.0	3	11	11	17	17	9	0	0	0	0	0	0
2H(14-16)	82	34.3	27.4	6.6	0	4	6	12	35	20	2	1	2	0	0	0
12H(7-19)	391	33.0	26.0	6.8	4	27	33	91	133	78	19	4	2	0	0	0
24H(0-24)	454	32.8	26.0	6.6	4	29	41	104	162	87	21	4	2	0	0	0
AM Peak	08:00	07:00	07:00	10:00	10:00	10:00	11:00	10:00	08:00	07:00	07:00	07:00	00:00	00:00	00:00	00:00
	41	34.8	28.5	7.5	3	8	6	10	14	13	3	1	0	0	0	0
PM Peak	14:00	15:00	15:00	14:00	12:00	14:00	14:00	13:00	15:00	14:00	16:00	13:00	14:00	12:00	12:00	12:00
	44	35.3	29.2	6.9	1	3	6	12	20	11	3	1	1	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
01:00	1	-	22.5	-	0	0	0	1	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	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
04:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	13	33.0	28.7	4.2	0	0	0	3	4	6	0	0	0	0	0	0
06:00	11	36.6	28.9	7.4	0	0	1	3	2	3	1	1	0	0	0	0
07:00	18	31.5	28.6	2.7	0	0	0	1	12	5	0	0	0	0	0	0
08:00	47	33.6	27.2	6.2	0	3	1	13	12	15	3	0	0	0	0	0
09:00	35	34.5	27.9	6.3	1	0	2	7	10	12	3	0	0	0	0	0
10:00	28	34.4	28.1	6.1	1	0	1	4	11	9	2	0	0	0	0	0
11:00	32	35.3	28.6	6.4	0	1	3	4	8	12	4	0	0	0	0	0
12:00	29	31.8	25.1	6.5	0	2	5	6	9	6	1	0	0	0	0	0
13:00	28	32.2	25.4	6.6	0	3	2	6	12	3	2	0	0	0	0	0
14:00	48	35.2	28.1	6.9	1	2	2	8	12	19	3	1	0	0	0	0
15:00	32	33.7	27.5	6.0	0	1	1	9	11	6	4	0	0	0	0	0
16:00	50	36.3	31.1	5.1	0	0	1	2	19	18	9	0	1	0	0	0
17:00	36	37.4	30.7	6.5	0	2	0	1	13	12	6	2	0	0	0	0
18:00	39	36.0	31.0	4.9	0	1	0	0	16	14	8	0	0	0	0	0
19:00	17	32.2	27.2	4.8	0	0	1	4	8	3	1	0	0	0	0	0
20:00	5	38.4	30.5	7.6	0	0	0	1	2	1	0	1	0	0	0	0
21:00	8	31.4	27.5	3.8	0	0	0	2	4	2	0	0	0	0	0	0
22:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
23:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
Total																
2H(10-12)	60	34.8	28.3	6.2	1	1	4	8	19	21	6	0	0	0	0	0
2H(14-16)	80	34.6	27.9	6.5	1	3	3	17	23	25	7	1	0	0	0	0
12H(7-19)	422	34.9	28.5	6.2	3	15	18	61	145	131	45	3	1	0	0	0
24H(0-24)	484	34.7	28.4	6.1	3	15	20	76	169	148	47	5	1	0	0	0
AM Peak	08:00	06:00	00:00	06:00	09:00	08:00	11:00	08:00	07:00	08:00	11:00	06:00	00:00	00:00	00:00	00:00
	47	36.6	32.5	7.4	1	3	3	13	12	15	4	1	0	0	0	0
PM Peak	16:00	20:00	16:00	20:00	14:00	13:00	12:00	15:00	16:00	14:00	16:00	17:00	16:00	12:00	12:00	12:00
	50	38.4	31.1	7.6	1	3	5	9	19	19	9	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
01:00	1	-	22.5	-	0	0	0	1	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	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
04:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	25	32.5	27.5	4.8	0	0	2	5	9	9	0	0	0	0	0	0
06:00	20	34.5	28.5	5.8	0	0	1	4	8	5	1	1	0	0	0	0
07:00	57	34.0	28.6	5.2	0	0	5	5	25	18	3	1	0	0	0	0
08:00	88	33.4	26.7	6.5	0	6	5	22	26	23	5	1	0	0	0	0
09:00	60	33.8	27.5	6.1	1	2	2	12	21	18	4	0	0	0	0	0
10:00	69	32.0	24.1	7.7	4	8	6	14	21	14	2	0	0	0	0	0
11:00	59	33.2	26.1	6.9	0	4	9	11	15	16	4	0	0	0	0	0
12:00	54	31.5	24.6	6.6	1	4	6	16	17	7	3	0	0	0	0	0
13:00	66	32.6	26.1	6.3	0	5	3	18	26	9	4	1	0	0	0	0
14:00	92	34.2	27.1	6.9	1	5	8	16	27	30	3	1	1	0	0	0
15:00	70	34.6	28.4	5.9	0	2	1	13	31	15	6	1	1	0	0	0
16:00	75	35.7	29.6	5.9	0	1	2	12	24	23	12	0	1	0	0	0
17:00	63	36.0	28.9	6.9	0	4	2	7	22	17	9	2	0	0	0	0
18:00	60	35.1	29.5	5.4	0	1	2	6	23	19	9	0	0	0	0	0
19:00	37	31.9	25.7	5.9	0	1	6	8	14	6	2	0	0	0	0	0
20:00	15	34.7	27.8	6.7	0	1	0	2	9	1	1	1	0	0	0	0
21:00	17	30.2	25.7	4.3	0	0	1	7	6	3	0	0	0	0	0	0
22:00	2	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
23:00	4	28.8	26.3	2.5	0	0	0	1	3	0	0	0	0	0	0	0
Total																
2H(10-12)	128	32.6	25.0	7.4	4	12	15	25	36	30	6	0	0	0	0	0
2H(14-16)	162	34.4	27.7	6.5	1	7	9	29	58	45	9	2	2	0	0	0
12H(7-19)	813	34.1	27.3	6.6	7	42	51	152	278	209	64	7	3	0	0	0
24H(0-24)	938	33.9	27.2	6.5	7	44	61	180	331	235	68	9	3	0	0	0
AM Peak	08:00	06:00	00:00	10:00	10:00	10:00	11:00	08:00	08:00	08:00	08:00	06:00	00:00	00:00	00:00	00:00
	88	34.5	32.5	7.7	4	8	9	22	26	23	5	1	0	0	0	0
PM Peak	14:00	17:00	16:00	14:00	12:00	13:00	14:00	13:00	15:00	14:00	16:00	17:00	14:00	12:00	12:00	12:00
	92	36.0	29.6	6.9	1	5	8	18	31	30	12	2	1	0	0	0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	42.5	-	0	0	0	0	0	0	0	1	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	44.8	37.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
05:00	11	29.5	25.2	4.1	0	0	1	4	5	1	0	0	0	0	0	0
06:00	12	33.3	27.5	5.6	0	1	0	1	6	4	0	0	0	0	0	0
07:00	33	32.0	26.3	5.5	1	1	0	8	17	5	1	0	0	0	0	0
08:00	35	32.9	25.7	7.0	2	2	1	8	11	11	0	0	0	0	0	0
09:00	30	32.4	26.8	5.4	0	2	0	6	15	6	1	0	0	0	0	0
10:00	18	30.1	25.3	4.6	0	0	2	7	6	3	0	0	0	0	0	0
11:00	24	34.1	27.7	6.2	0	1	1	4	11	5	1	1	0	0	0	0
12:00	26	33.4	26.0	7.1	1	2	1	4	12	4	2	0	0	0	0	0
13:00	30	31.7	23.9	7.6	2	2	5	5	10	5	1	0	0	0	0	0
14:00	39	32.9	25.5	7.2	1	2	4	9	17	3	2	0	1	0	0	0
15:00	39	35.4	28.5	6.6	0	3	1	5	10	16	4	0	0	0	0	0
16:00	44	33.6	27.1	6.3	1	2	2	6	20	10	3	0	0	0	0	0
17:00	27	33.4	28.2	4.9	0	0	2	3	13	7	2	0	0	0	0	0
18:00	20	37.3	30.8	6.3	0	0	1	0	10	6	1	1	1	0	0	0
19:00	13	29.4	24.8	4.4	0	0	1	7	3	2	0	0	0	0	0	0
20:00	17	35.7	27.2	8.2	0	1	2	3	6	3	1	0	1	0	0	0
21:00	14	30.2	26.8	3.3	0	0	0	4	8	2	0	0	0	0	0	0
22:00	5	28.3	25.5	2.7	0	0	0	2	3	0	0	0	0	0	0	0
23:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
Total																
2H(10-12)	42	32.5	26.7	5.6	0	1	3	11	17	8	1	1	0	0	0	0
2H(14-16)	78	34.3	27.0	7.0	1	5	5	14	27	19	6	0	1	0	0	0
12H(7-19)	365	33.5	26.7	6.5	8	17	20	65	152	81	18	2	2	0	0	0
24H(0-24)	441	33.4	26.8	6.4	8	19	24	86	183	95	19	4	3	0	0	0
AM Peak	08:00	04:00	01:00	04:00	08:00	08:00	10:00	07:00	07:00	08:00	07:00	01:00	00:00	00:00	00:00	00:00
	35	44.8	42.5	7.1	2	2	2	8	17	11	1	1	0	0	0	0
PM Peak	16:00	18:00	23:00	20:00	13:00	15:00	13:00	14:00	16:00	15:00	15:00	18:00	14:00	12:00	12:00	12:00
	44	37.3	32.5	8.2	2	3	5	9	20	16	4	1	1	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
04:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
05:00	12	33.2	28.8	4.3	0	0	0	2	6	3	1	0	0	0	0	0
06:00	14	35.6	29.6	5.8	0	0	1	1	6	3	3	0	0	0	0	0
07:00	29	36.1	29.6	6.3	0	1	1	4	8	9	6	0	0	0	0	0
08:00	36	32.4	27.8	4.5	0	0	1	9	14	11	1	0	0	0	0	0
09:00	23	32.1	25.5	6.3	0	1	4	5	7	5	1	0	0	0	0	0
10:00	28	32.1	27.3	4.6	0	0	2	4	17	3	2	0	0	0	0	0
11:00	32	35.4	30.2	5.1	0	0	0	4	14	8	5	1	0	0	0	0
12:00	39	35.3	29.3	5.8	0	1	1	5	15	10	7	0	0	0	0	0
13:00	28	34.2	28.4	5.6	0	1	1	3	13	7	3	0	0	0	0	0
14:00	44	35.1	28.6	6.3	0	0	3	10	14	10	5	2	0	0	0	0
15:00	60	36.3	29.0	7.0	1	2	2	8	19	19	7	1	1	0	0	0
16:00	44	36.4	28.4	7.7	0	2	5	5	15	8	7	1	1	0	0	0
17:00	52	36.9	29.8	6.8	1	2	0	3	21	17	4	4	0	0	0	0
18:00	37	37.3	30.6	6.5	0	2	0	1	15	10	7	2	0	0	0	0
19:00	21	35.0	27.5	7.2	0	1	3	2	8	3	4	0	0	0	0	0
20:00	9	35.0	29.7	5.1	0	0	0	2	2	4	1	0	0	0	0	0
21:00	12	32.2	27.1	5.0	0	0	0	5	4	2	1	0	0	0	0	0
22:00	5	31.2	23.5	7.4	0	1	0	2	1	1	0	0	0	0	0	0
23:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
Total																
2H(10-12)	60	34.0	28.8	5.0	0	0	2	8	31	11	7	1	0	0	0	0
2H(14-16)	104	35.8	28.9	6.7	1	2	5	18	33	29	12	3	1	0	0	0
12H(7-19)	452	35.4	28.9	6.3	2	12	20	61	172	117	55	11	2	0	0	0
24H(0-24)	528	35.2	28.7	6.2	2	14	24	75	202	133	65	11	2	0	0	0
AM Peak	08:00	07:00	11:00	09:00	00:00	07:00	09:00	08:00	10:00	08:00	07:00	11:00	00:00	00:00	00:00	00:00
	36	36.1	30.2	6.3	0	1	4	9	17	11	6	1	0	0	0	0
PM Peak	15:00	18:00	18:00	16:00	15:00	15:00	16:00	14:00	17:00	15:00	12:00	17:00	15:00	12:00	12:00	12:00
	60	37.3	30.6	7.7	1	2	5	10	21	19	7	4	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	42.5	-	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0
04:00	3	42.1	34.2	7.6	0	0	0	0	1	1	0	1	0	0	0	0
05:00	23	31.7	27.1	4.5	0	0	1	6	11	4	1	0	0	0	0	0
06:00	26	34.6	28.7	5.7	0	1	1	2	12	7	3	0	0	0	0	0
07:00	62	34.2	27.8	6.1	1	2	1	12	25	14	7	0	0	0	0	0
08:00	71	32.9	26.7	5.9	2	2	2	17	25	22	1	0	0	0	0	0
09:00	53	32.3	26.3	5.8	0	3	4	11	22	11	2	0	0	0	0	0
10:00	46	31.4	26.5	4.7	0	0	4	11	23	6	2	0	0	0	0	0
11:00	56	35.0	29.1	5.6	0	1	1	8	25	13	6	2	0	0	0	0
12:00	65	34.7	28.0	6.5	1	3	2	9	27	14	9	0	0	0	0	0
13:00	58	33.3	26.1	7.0	2	3	6	8	23	12	4	0	0	0	0	0
14:00	83	34.3	27.1	6.9	1	2	7	19	31	13	7	2	1	0	0	0
15:00	99	35.9	28.8	6.8	1	5	3	13	29	35	11	1	1	0	0	0
16:00	88	35.0	27.7	7.1	1	4	7	11	35	18	10	1	1	0	0	0
17:00	79	35.7	29.3	6.2	1	2	2	6	34	24	6	4	0	0	0	0
18:00	57	37.3	30.7	6.4	0	2	1	1	25	16	8	3	1	0	0	0
19:00	34	33.1	26.5	6.4	0	1	4	9	11	5	4	0	0	0	0	0
20:00	26	35.6	28.1	7.3	0	1	2	5	8	7	2	0	1	0	0	0
21:00	26	31.2	26.9	4.1	0	0	0	9	12	4	1	0	0	0	0	0
22:00	10	30.1	24.5	5.4	0	1	0	4	4	1	0	0	0	0	0	0
23:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
Total																
2H(10-12)	102	33.5	27.9	5.4	0	1	5	19	48	19	8	2	0	0	0	0
2H(14-16)	182	35.2	28.1	6.9	2	7	10	32	60	48	18	3	2	0	0	0
12H(7-19)	817	34.6	27.9	6.5	10	29	40	126	324	198	73	13	4	0	0	0
24H(0-24)	969	34.5	27.8	6.4	10	33	48	161	385	228	84	15	5	0	0	0
AM Peak	08:00 71	04:00 42.1	01:00 42.5	04:00 7.6	08:00 2	09:00 3	09:00 4	08:00 17	07:00 25	08:00 22	07:00 7	11:00 2	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	15:00 99	18:00 37.3	18:00 30.7	20:00 7.3	13:00 2	15:00 5	14:00 7	14:00 19	16:00 35	15:00 35	15:00 11	17:00 4	14:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	3	47.9	37.5	10.0	0	0	0	0	1	0	1	0	1	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	17.5	-	0	0	1	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	4	30.3	23.8	6.3	0	0	1	2	0	1	0	0	0	0	0	0
06:00	7	32.7	27.5	5.0	0	0	0	2	4	0	1	0	0	0	0	0
07:00	10	31.5	24.5	6.7	0	1	2	1	4	2	0	0	0	0	0	0
08:00	34	31.6	26.3	5.1	0	0	4	7	18	4	0	1	0	0	0	0
09:00	32	33.7	27.3	6.2	0	2	1	6	13	7	3	0	0	0	0	0
10:00	23	33.2	26.8	6.1	0	0	3	6	8	3	3	0	0	0	0	0
11:00	35	33.9	27.4	6.4	0	3	1	5	13	11	2	0	0	0	0	0
12:00	27	32.3	26.0	6.0	0	1	3	8	7	7	1	0	0	0	0	0
13:00	26	35.9	27.3	8.3	0	2	4	3	7	6	2	2	0	0	0	0
14:00	22	38.0	28.9	8.8	1	0	0	4	10	4	2	0	0	0	1	0
15:00	28	33.6	26.3	7.1	1	1	2	6	11	5	1	1	0	0	0	0
16:00	19	38.3	31.2	6.8	0	0	0	3	7	4	3	1	1	0	0	0
17:00	21	32.9	27.5	5.2	0	0	2	4	8	6	1	0	0	0	0	0
18:00	17	36.3	29.3	6.8	0	0	2	2	5	5	2	1	0	0	0	0
19:00	15	35.4	26.6	8.5	2	0	0	2	5	5	1	0	0	0	0	0
20:00	13	30.5	27.5	2.9	0	0	0	2	9	2	0	0	0	0	0	0
21:00	5	31.2	27.5	3.5	0	0	0	1	3	1	0	0	0	0	0	0
22:00	4	33.0	30.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
23:00	5	34.2	28.5	5.5	0	0	0	2	0	3	0	0	0	0	0	0
Total																
2H(10-12)	58	33.6	27.2	6.2	0	3	4	11	21	14	5	0	0	0	0	0
2H(14-16)	50	35.6	27.4	7.9	2	1	2	10	21	9	3	1	0	0	1	0
12H(7-19)	294	34.3	27.4	6.7	2	10	24	55	111	64	20	6	1	0	1	0
24H(0-24)	351	34.2	27.4	6.6	4	10	26	66	135	78	23	6	2	0	1	0
AM Peak	11:00	00:00	00:00	00:00	00:00	11:00	08:00	08:00	08:00	11:00	09:00	08:00	00:00	00:00	00:00	00:00
	35	47.9	37.5	10.0	0	3	4	7	18	11	3	1	1	0	0	0
PM Peak	15:00	16:00	16:00	14:00	19:00	13:00	13:00	12:00	15:00	12:00	16:00	13:00	16:00	12:00	14:00	12:00
	28	38.3	31.2	8.8	2	2	4	8	11	7	3	2	1	0	1	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	33.0	30.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	3	32.2	29.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
04:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
07:00	37	32.9	27.6	5.1	0	1	1	7	17	9	2	0	0	0	0	0
08:00	36	34.3	27.4	6.7	0	3	0	9	12	7	5	0	0	0	0	0
09:00	23	35.7	29.9	5.6	0	1	0	1	10	7	4	0	0	0	0	0
10:00	38	33.8	28.0	5.5	0	1	2	7	12	14	2	0	0	0	0	0
11:00	29	35.0	29.2	5.6	0	0	1	5	11	8	3	1	0	0	0	0
12:00	35	34.4	27.5	6.6	0	1	5	4	13	7	5	0	0	0	0	0
13:00	24	35.4	28.5	6.6	0	1	2	2	8	9	1	1	0	0	0	0
14:00	38	38.0	27.2	10.5	4	3	2	4	7	9	7	1	1	0	0	0
15:00	27	34.8	26.6	7.9	2	1	2	2	10	8	2	0	0	0	0	0
16:00	21	37.4	31.5	5.6	0	0	1	0	8	6	5	1	0	0	0	0
17:00	20	36.8	30.0	6.6	0	1	0	3	5	6	5	0	0	0	0	0
18:00	24	35.9	31.7	4.1	0	0	0	1	7	11	5	0	0	0	0	0
19:00	20	34.4	29.3	4.9	0	0	0	4	8	5	3	0	0	0	0	0
20:00	5	37.5	30.5	6.7	0	0	0	1	2	0	2	0	0	0	0	0
21:00	9	37.4	31.9	5.3	0	0	0	1	2	3	3	0	0	0	0	0
22:00	4	31.2	26.3	4.8	0	0	0	2	1	1	0	0	0	0	0	0
23:00	2	23.7	20.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
Total																
2H(10-12)	67	34.3	28.5	5.5	0	1	3	12	23	22	5	1	0	0	0	0
2H(14-16)	65	36.7	26.9	9.4	6	4	4	6	17	17	9	1	1	0	0	0
12H(7-19)	352	35.5	28.5	6.8	6	13	16	45	120	101	46	4	1	0	0	0
24H(0-24)	403	35.5	28.6	6.6	6	13	17	54	137	116	55	4	1	0	0	0
AM Peak	10:00 38	09:00 35.7	02:00 37.5	08:00 6.7	00:00 0	08:00 3	10:00 2	08:00 9	07:00 17	10:00 14	08:00 5	11:00 1	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 38	14:00 38.0	21:00 31.9	14:00 10.5	14:00 4	14:00 3	12:00 5	12:00 4	12:00 13	18:00 11	14:00 7	13:00 1	14:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	7	40.8	33.2	7.3	0	0	0	0	3	2	1	0	1	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	2	42.2	27.5	14.1	0	0	1	0	0	0	1	0	0	0	0	0
03:00	3	32.2	29.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
04:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
05:00	4	30.3	23.8	6.3	0	0	1	2	0	1	0	0	0	0	0	0
06:00	9	33.6	28.6	4.9	0	0	0	2	4	2	1	0	0	0	0	0
07:00	47	32.7	27.0	5.5	0	2	3	8	21	11	2	0	0	0	0	0
08:00	70	33.0	26.9	6.0	0	3	4	16	30	11	5	1	0	0	0	0
09:00	55	34.6	28.4	6.0	0	3	1	7	23	14	7	0	0	0	0	0
10:00	61	33.5	27.6	5.7	0	1	5	13	20	17	5	0	0	0	0	0
11:00	64	34.5	28.2	6.0	0	3	2	10	24	19	5	1	0	0	0	0
12:00	62	33.5	26.9	6.4	0	2	8	12	20	14	6	0	0	0	0	0
13:00	50	35.7	27.9	7.5	0	3	6	5	15	15	3	3	0	0	0	0
14:00	60	38.0	27.8	9.8	5	3	2	8	17	13	9	1	1	0	1	0
15:00	55	34.1	26.4	7.4	3	2	4	8	21	13	3	1	0	0	0	0
16:00	40	37.7	31.4	6.1	0	0	1	3	15	10	8	2	1	0	0	0
17:00	41	34.9	28.7	6.0	0	1	2	7	13	12	6	0	0	0	0	0
18:00	41	36.3	30.7	5.4	0	0	2	3	12	16	7	1	0	0	0	0
19:00	35	35.1	28.1	6.7	2	0	0	6	13	10	4	0	0	0	0	0
20:00	18	32.8	28.3	4.3	0	0	0	3	11	2	2	0	0	0	0	0
21:00	14	35.6	30.4	5.1	0	0	0	2	5	4	3	0	0	0	0	0
22:00	8	32.4	28.1	4.2	0	0	0	2	3	3	0	0	0	0	0	0
23:00	7	32.6	26.1	6.3	0	0	1	3	0	3	0	0	0	0	0	0
Total																
2H(10-12)	125	34.0	27.9	5.9	0	4	7	23	44	36	10	1	0	0	0	0
2H(14-16)	115	36.2	27.1	8.8	8	5	6	16	38	26	12	2	1	0	1	0
12H(7-19)	646	34.9	28.0	6.7	8	23	40	100	231	165	66	10	2	0	1	0
24H(0-24)	754	34.9	28.1	6.6	10	23	43	120	272	194	78	10	3	0	1	0
AM Peak	08:00	02:00	00:00	02:00	00:00	08:00	10:00	08:00	08:00	11:00	09:00	08:00	00:00	00:00	00:00	00:00
	70	42.2	33.2	14.1	0	3	5	16	30	19	7	1	1	0	0	0
PM Peak	12:00	14:00	16:00	14:00	14:00	13:00	12:00	12:00	15:00	18:00	14:00	13:00	14:00	12:00	14:00	12:00
	62	38.0	31.4	9.8	5	3	8	12	21	16	9	3	1	0	1	0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
01:00	1	-	37.5	-	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	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
05:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	4	33.0	30.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
07:00	5	28.8	26.5	2.2	0	0	0	1	4	0	0	0	0	0	0	0
08:00	15	30.3	24.8	5.3	0	0	4	2	7	2	0	0	0	0	0	0
09:00	21	32.6	24.2	8.1	0	5	1	3	8	2	2	0	0	0	0	0
10:00	19	31.9	25.9	5.8	0	2	0	4	9	4	0	0	0	0	0	0
11:00	23	31.8	24.2	7.3	0	4	2	5	7	4	1	0	0	0	0	0
12:00	21	31.9	24.6	7.0	0	3	2	4	8	3	1	0	0	0	0	0
13:00	16	35.6	28.4	6.9	0	1	1	1	6	6	0	1	0	0	0	0
14:00	14	35.3	26.1	8.9	0	2	1	2	6	2	0	0	1	0	0	0
15:00	16	34.7	29.7	4.8	0	0	1	0	8	5	2	0	0	0	0	0
16:00	16	34.7	24.1	10.2	2	3	0	1	5	3	2	0	0	0	0	0
17:00	33	30.7	26.0	4.6	0	1	2	8	17	5	0	0	0	0	0	0
18:00	19	36.8	28.8	7.7	1	0	0	3	7	6	1	0	1	0	0	0
19:00	7	30.4	26.8	3.5	0	0	0	2	4	1	0	0	0	0	0	0
20:00	9	38.1	30.3	7.5	0	0	0	2	3	3	0	0	1	0	0	0
21:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
22:00	3	33.8	30.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
23:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
Total																
2H(10-12)	42	31.9	25.0	6.6	0	6	2	9	16	8	1	0	0	0	0	0
2H(14-16)	30	35.4	28.0	7.1	0	2	2	2	14	7	2	0	1	0	0	0
12H(7-19)	218	33.2	26.0	7.0	3	21	14	34	92	42	9	1	2	0	0	0
24H(0-24)	249	33.6	26.4	6.9	3	21	15	39	104	52	11	1	3	0	0	0
AM Peak	11:00	04:00	01:00	09:00	00:00	09:00	08:00	11:00	10:00	10:00	09:00	00:00	00:00	00:00	00:00	00:00
	23	33.7	37.5	8.1	0	5	4	5	9	4	2	0	0	0	0	0
PM Peak	17:00	21:00	21:00	16:00	16:00	12:00	12:00	17:00	17:00	13:00	15:00	13:00	14:00	12:00	12:00	12:00
	33	38.7	35.0	10.2	2	3	2	8	17	6	2	1	1	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
01:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	5	34.1	29.5	4.5	0	0	0	1	1	3	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	46.0	35.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
07:00	15	36.9	30.5	6.2	0	0	1	1	5	5	2	1	0	0	0	0
08:00	21	35.1	27.5	7.3	1	0	3	1	7	7	2	0	0	0	0	0
09:00	10	36.6	27.0	9.3	0	1	2	1	2	1	3	0	0	0	0	0
10:00	17	37.3	29.0	8.1	0	1	1	2	6	4	2	0	1	0	0	0
11:00	35	32.3	25.8	6.3	0	3	2	10	10	9	1	0	0	0	0	0
12:00	29	32.8	25.1	7.5	1	3	2	7	7	8	1	0	0	0	0	0
13:00	24	34.5	28.8	5.6	0	1	0	4	8	9	2	0	0	0	0	0
14:00	20	36.8	28.5	8.0	0	2	0	6	1	6	5	0	0	0	0	0
15:00	24	39.4	31.1	8.1	1	1	0	0	7	8	6	0	1	0	0	0
16:00	21	35.5	27.7	7.5	0	1	3	3	5	5	4	0	0	0	0	0
17:00	30	37.6	29.3	7.9	0	2	4	0	8	7	9	0	0	0	0	0
18:00	23	35.5	27.1	8.1	2	1	0	2	9	8	0	1	0	0	0	0
19:00	16	34.8	30.6	4.0	0	0	0	1	6	7	2	0	0	0	0	0
20:00	5	31.2	27.5	3.5	0	0	0	1	3	1	0	0	0	0	0	0
21:00	5	32.8	28.5	4.2	0	0	0	1	2	2	0	0	0	0	0	0
22:00	5	33.3	30.5	2.7	0	0	0	0	2	3	0	0	0	0	0	0
23:00	1	-	37.5	-	0	0	0	0	0	0	1	0	0	0	0	0
Total																
2H(10-12)	52	34.1	26.8	7.0	0	4	3	12	16	13	3	0	1	0	0	0
2H(14-16)	44	38.3	29.9	8.1	1	3	0	6	8	14	11	0	1	0	0	0
12H(7-19)	269	35.7	28.0	7.5	5	16	18	37	75	77	37	2	2	0	0	0
24H(0-24)	310	35.7	28.3	7.2	5	16	18	41	91	94	40	3	2	0	0	0
AM Peak	11:00	06:00	06:00	06:00	08:00	11:00	08:00	11:00	11:00	11:00	09:00	06:00	10:00	00:00	00:00	00:00
	35	46.0	35.0	10.6	1	3	3	10	10	9	3	1	1	0	0	0
PM Peak	17:00	15:00	23:00	18:00	18:00	12:00	17:00	12:00	18:00	13:00	17:00	18:00	15:00	12:00	12:00	12:00
	30	39.4	37.5	8.1	2	3	4	7	9	9	9	1	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
01:00	2	39.8	32.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	5	34.1	29.5	4.5	0	0	0	1	1	3	0	0	0	0	0	0
04:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
05:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	6	37.7	31.7	5.8	0	0	0	0	3	2	0	1	0	0	0	0
07:00	20	35.4	29.5	5.7	0	0	1	2	9	5	2	1	0	0	0	0
08:00	36	33.3	26.4	6.6	1	0	7	3	14	9	2	0	0	0	0	0
09:00	31	33.8	25.1	8.5	0	6	3	4	10	3	5	0	0	0	0	0
10:00	36	34.6	27.4	7.0	0	3	1	6	15	8	2	0	1	0	0	0
11:00	58	32.1	25.2	6.7	0	7	4	15	17	13	2	0	0	0	0	0
12:00	50	32.4	24.9	7.2	1	6	4	11	15	11	2	0	0	0	0	0
13:00	40	34.9	28.6	6.0	0	2	1	5	14	15	2	1	0	0	0	0
14:00	34	36.2	27.5	8.3	0	4	1	8	7	8	5	0	1	0	0	0
15:00	40	37.7	30.5	6.9	1	1	1	0	15	13	8	0	1	0	0	0
16:00	37	35.3	26.2	8.8	2	4	3	4	10	8	6	0	0	0	0	0
17:00	63	34.4	27.6	6.6	0	3	6	8	25	12	9	0	0	0	0	0
18:00	42	36.1	27.9	7.9	3	1	0	5	16	14	1	1	1	0	0	0
19:00	23	33.8	29.5	4.2	0	0	0	3	10	8	2	0	0	0	0	0
20:00	14	35.9	29.3	6.4	0	0	0	3	6	4	0	0	1	0	0	0
21:00	7	35.4	30.4	4.9	0	0	0	1	2	3	1	0	0	0	0	0
22:00	8	33.3	30.6	2.6	0	0	0	0	3	5	0	0	0	0	0	0
23:00	2	41.0	30.0	10.6	0	0	0	1	0	0	1	0	0	0	0	0
Total																
2H(10-12)	94	33.1	26.0	6.9	0	10	5	21	32	21	4	0	1	0	0	0
2H(14-16)	74	37.1	29.1	7.7	1	5	2	8	22	21	13	0	2	0	0	0
12H(7-19)	487	34.7	27.1	7.3	8	37	32	71	167	119	46	3	4	0	0	0
24H(0-24)	559	34.8	27.4	7.1	8	37	33	80	195	146	51	4	5	0	0	0
AM Peak	11:00	01:00	01:00	09:00	08:00	11:00	08:00	11:00	11:00	11:00	09:00	06:00	10:00	00:00	00:00	00:00
	58	39.8	32.5	8.5	1	7	7	15	17	13	5	1	1	0	0	0
PM Peak	17:00	23:00	22:00	23:00	18:00	12:00	17:00	12:00	17:00	13:00	17:00	13:00	14:00	12:00	12:00	12:00
	63	41.0	30.6	10.6	3	6	6	11	25	15	9	1	1	0	0	0

Paul Castle Associates

Tween Bridge ATC 6, Moor Edges Road

Direction: Eastbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
05:00	6	31.2	25.8	5.2	0	0	1	1	3	1	0	0	0	0	0	0
06:00	15	34.1	28.5	5.4	0	0	1	2	7	3	2	0	0	0	0	0
07:00	35	33.1	26.7	6.2	1	2	0	8	12	12	0	0	0	0	0	0
08:00	37	33.4	27.1	6.1	0	3	1	6	14	12	1	0	0	0	0	0
09:00	26	32.5	26.2	6.1	0	1	3	7	7	7	1	0	0	0	0	0
10:00	31	32.0	24.6	7.2	0	5	1	8	13	2	1	1	0	0	0	0
11:00	32	31.9	25.6	6.1	0	2	2	11	10	5	2	0	0	0	0	0
12:00	23	32.1	25.8	6.1	0	2	1	4	14	1	0	1	0	0	0	0
13:00	40	32.9	27.3	5.4	0	1	3	7	17	10	2	0	0	0	0	0
14:00	23	31.5	25.3	6.0	0	2	2	4	12	2	1	0	0	0	0	0
15:00	38	32.4	26.4	5.7	0	2	2	9	16	7	2	0	0	0	0	0
16:00	29	33.2	28.7	4.4	0	0	0	5	14	9	0	1	0	0	0	0
17:00	28	32.9	26.4	6.3	0	1	4	5	10	6	2	0	0	0	0	0
18:00	11	33.6	24.8	8.5	0	2	0	4	3	1	0	1	0	0	0	0
19:00	23	32.8	24.9	7.6	1	3	1	4	7	7	0	0	0	0	0	0
20:00	6	39.1	30.0	8.8	0	0	1	1	1	0	3	0	0	0	0	0
21:00	8	29.5	25.6	3.7	0	0	0	4	3	1	0	0	0	0	0	0
22:00	3	32.2	29.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
23:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
Total																
2H(10-12)	63	31.9	25.1	6.6	0	7	3	19	23	7	3	1	0	0	0	0
2H(14-16)	61	32.0	26.0	5.8	0	4	4	13	28	9	3	0	0	0	0	0
12H(7-19)	353	32.7	26.4	6.1	1	23	19	78	142	74	12	4	0	0	0	0
24H(0-24)	418	32.8	26.4	6.1	2	26	23	91	167	88	17	4	0	0	0	0
AM Peak	08:00	06:00	04:00	10:00	07:00	10:00	09:00	11:00	08:00	07:00	06:00	10:00	00:00	00:00	00:00	00:00
	37	34.1	30.0	7.2	1	5	3	11	14	12	2	1	0	0	0	0
PM Peak	13:00	20:00	20:00	20:00	19:00	19:00	17:00	15:00	13:00	13:00	20:00	12:00	12:00	12:00	12:00	12:00
	40	39.1	30.0	8.8	1	3	4	9	17	10	3	1	0	0	0	0

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	22.5	-	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	3	38.8	35.8	2.9	0	0	0	0	0	1	2	0	0	0	0	0
05:00	4	40.1	31.3	8.5	0	0	0	1	1	1	0	1	0	0	0	0
06:00	14	35.2	28.9	6.0	0	1	0	1	5	6	1	0	0	0	0	0
07:00	19	38.0	29.9	7.9	0	0	2	3	5	5	2	1	1	0	0	0
08:00	50	33.2	28.5	4.5	0	0	2	7	23	15	3	0	0	0	0	0
09:00	37	32.8	26.8	5.8	0	2	2	8	13	11	1	0	0	0	0	0
10:00	30	33.1	27.2	5.7	0	0	3	8	10	6	3	0	0	0	0	0
11:00	29	31.5	24.6	6.7	2	1	1	9	12	3	1	0	0	0	0	0
12:00	33	31.9	24.8	6.9	0	4	3	9	10	5	2	0	0	0	0	0
13:00	37	35.4	29.3	5.9	0	2	1	3	10	18	3	0	0	0	0	0
14:00	42	35.8	28.6	6.9	0	3	1	5	16	11	4	2	0	0	0	0
15:00	32	37.3	28.3	8.7	1	3	1	4	7	10	4	2	0	0	0	0
16:00	50	36.1	29.8	6.1	0	1	2	5	18	15	7	2	0	0	0	0
17:00	42	37.6	31.2	6.2	1	0	1	1	13	16	8	2	0	0	0	0
18:00	29	35.8	31.3	4.4	0	0	0	1	11	12	4	1	0	0	0	0
19:00	22	34.3	24.4	9.5	4	1	0	3	8	4	2	0	0	0	0	0
20:00	8	33.5	22.6	10.6	1	2	0	1	2	1	1	0	0	0	0	0
21:00	10	37.0	31.0	5.8	0	0	0	1	4	3	1	1	0	0	0	0
22:00	4	31.3	28.8	2.5	0	0	0	0	3	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)	59	32.4	25.9	6.3	2	1	4	17	22	9	4	0	0	0	0	0
2H(14-16)	74	36.4	28.5	7.7	1	6	2	9	23	21	8	4	0	0	0	0
12H(7-19)	430	35.2	28.4	6.5	4	16	19	63	148	127	42	10	1	0	0	0
24H(0-24)	498	35.3	28.3	6.8	9	20	19	72	171	145	49	12	1	0	0	0
AM Peak	08:00	05:00	04:00	05:00	11:00	09:00	10:00	11:00	08:00	08:00	08:00	05:00	07:00	00:00	00:00	00:00
	50	40.1	35.8	8.5	2	2	3	9	23	15	3	1	1	0	0	0
PM Peak	16:00	17:00	18:00	20:00	19:00	12:00	12:00	12:00	16:00	13:00	17:00	14:00	12:00	12:00	12:00	12:00
	50	37.6	31.3	10.6	4	4	3	9	18	18	8	2	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	22.5	-	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	5	37.8	33.5	4.2	0	0	0	0	1	2	2	0	0	0	0	0
05:00	10	35.1	28.0	6.9	0	0	1	2	4	2	0	1	0	0	0	0
06:00	29	34.5	28.7	5.6	0	1	1	3	12	9	3	0	0	0	0	0
07:00	54	35.0	27.8	6.9	1	2	2	11	17	17	2	1	1	0	0	0
08:00	87	33.3	27.9	5.2	0	3	3	13	37	27	4	0	0	0	0	0
09:00	63	32.6	26.5	5.9	0	3	5	15	20	18	2	0	0	0	0	0
10:00	61	32.7	25.9	6.6	0	5	4	16	23	8	4	1	0	0	0	0
11:00	61	31.7	25.1	6.3	2	3	3	20	22	8	3	0	0	0	0	0
12:00	56	32.0	25.2	6.5	0	6	4	13	24	6	2	1	0	0	0	0
13:00	77	34.1	28.2	5.7	0	3	4	10	27	28	5	0	0	0	0	0
14:00	65	34.4	27.4	6.8	0	5	3	9	28	13	5	2	0	0	0	0
15:00	70	34.8	27.3	7.2	1	5	3	13	23	17	6	2	0	0	0	0
16:00	79	35.1	29.4	5.5	0	1	2	10	32	24	7	3	0	0	0	0
17:00	70	36.2	29.3	6.6	1	1	5	6	23	22	10	2	0	0	0	0
18:00	40	36.1	29.5	6.4	0	2	0	5	14	13	4	2	0	0	0	0
19:00	45	33.5	24.7	8.5	5	4	1	7	15	11	2	0	0	0	0	0
20:00	14	36.4	25.8	10.2	1	2	1	2	3	1	4	0	0	0	0	0
21:00	18	34.4	28.6	5.6	0	0	0	5	7	4	1	1	0	0	0	0
22:00	7	31.5	28.9	2.4	0	0	0	0	5	2	0	0	0	0	0	0
23:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
Total																
2H(10-12)	122	32.2	25.5	6.4	2	8	7	36	45	16	7	1	0	0	0	0
2H(14-16)	135	34.6	27.4	7.0	1	10	6	22	51	30	11	4	0	0	0	0
12H(7-19)	783	34.1	27.5	6.4	5	39	38	141	290	201	54	14	1	0	0	0
24H(0-24)	916	34.2	27.4	6.5	11	46	42	163	338	233	66	16	1	0	0	0
AM Peak	08:00	04:00	04:00	00:00	11:00	10:00	09:00	11:00	08:00	08:00	08:00	05:00	07:00	00:00	00:00	00:00
	87	37.8	33.5	7.1	2	5	5	20	37	27	4	1	1	0	0	0
PM Peak	16:00	20:00	18:00	20:00	19:00	12:00	17:00	12:00	16:00	13:00	17:00	16:00	12:00	12:00	12:00	12:00
	79	36.4	29.5	10.2	5	6	5	13	32	28	10	3	0	0	0	0

Paul Castle Associates



Appendix G: Automatic Traffic Survey Reports – Link 7

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	0	1	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	1	1	0	0	0	0	0	0	0
05:00	1	1	2	2	1	1	2	2	1
06:00	1	0	1	1	1	1	0	1	1
07:00	3	1	3	3	5	1	2	2	3
08:00	6	5	5	6	8	5	10	6	6
09:00	13	4	4	8	5	9	5	7	7
10:00	10	4	12	5	7	6	13	9	8
11:00	4	8	7	7	8	12	10	7	8
12:00	7	5	7	6	7	10	7	7	7
13:00	5	6	6	8	6	5	8	7	6
14:00	6	7	10	8	2	5	9	8	7
15:00	4	5	2	12	4	5	3	5	5
16:00	10	4	5	9	2	5	5	7	6
17:00	7	5	8	8	5	10	7	7	7
18:00	5	4	3	3	5	4	7	4	4
19:00	3	1	1	1	4	2	4	2	2
20:00	0	2	2	6	3	3	3	3	3
21:00	3	0	1	3	1	2	2	2	2
22:00	1	1	1	1	3	1	1	1	1
23:00	0	0	0	0	4	0	0	0	1
Total	80	58	70	84	63	74	89	76	74
12H(7-19)	87	61	75	95	72	82	98	83	81
16H(6-22)	88	62	76	96	79	83	99	84	83
18H(6-24)	90	65	78	98	80	84	101	86	85
AM Peak	09:00 13	11:00 8	10:00 12	09:00 8	08:00 8	11:00 12	10:00 13	10:00 9	10:00 8
PM Peak	16:00 10	14:00 7	14:00 10	15:00 12	12:00 6	17:00 10	12:00 10	14:00 8	17:00 7

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	0	0	0	0	0	0	0	0	0
01:00	0	1	0	0	0	0	0	0	0
02:00	0	0	0	0	1	2	0	0	0
03:00	0	0	0	0	0	5	0	0	1
04:00	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	1	0	0
06:00	3	2	1	1	0	1	2	2	1
07:00	1	1	2	2	5	1	1	1	2
08:00	5	4	6	4	6	4	7	5	5
09:00	3	6	4	8	2	6	6	5	5
10:00	7	6	3	6	10	3	9	6	6
11:00	6	8	10	8	6	11	12	9	9
12:00	7	9	4	4	9	5	11	7	7
13:00	8	6	5	3	1	6	8	6	6
14:00	8	3	10	8	7	3	7	7	7
15:00	5	5	4	10	3	4	2	5	5
16:00	6	6	4	8	5	11	3	5	6
17:00	10	2	7	9	2	6	8	7	6
18:00	1	2	4	8	5	4	5	4	4
19:00	1	2	2	4	3	3	2	2	2
20:00	1	0	2	3	0	1	4	2	2
21:00	0	0	1	0	1	0	1	0	0
22:00	0	0	0	1	0	3	2	1	1
23:00	0	0	0	0	0	0	0	0	0
Total	67	58	63	78	63	64	79	69	67
12H(7-19)	72	62	69	86	67	69	88	75	73
16H(6-22)	72	62	69	87	67	72	90	76	74
18H(6-24)	72	63	69	87	68	79	91	76	76
AM Peak	10:00 7	11:00 8	11:00 10	09:00 8	10:00 10	11:00 11	11:00 12	11:00 9	11:00 9
PM Peak	17:00 10	12:00 9	14:00 10	15:00 10	12:00 9	16:00 11	12:00 11	14:00 7	12:00 7

Paul Castle Associates



Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	0	1	0	0	0	0	0	0	0
01:00	0	1	0	0	0	0	0	0	0
02:00	0	0	0	0	1	2	0	0	0
03:00	0	0	0	0	0	5	0	0	1
04:00	1	1	0	0	0	0	0	0	0
05:00	1	1	2	2	1	1	3	2	2
06:00	4	2	2	2	1	2	2	2	2
07:00	4	2	5	5	10	2	3	4	4
08:00	11	9	11	10	14	9	17	12	12
09:00	16	10	8	16	7	15	11	12	12
10:00	17	10	15	11	17	9	22	15	14
11:00	10	16	17	15	14	23	22	16	17
12:00	14	14	9	11	15	12	21	14	14
13:00	13	12	11	11	9	11	16	13	12
14:00	14	10	20	16	9	8	16	15	13
15:00	9	10	6	22	7	9	5	10	10
16:00	16	10	9	17	7	16	8	12	12
17:00	17	7	15	17	7	16	15	14	13
18:00	6	6	7	11	10	8	12	8	9
19:00	4	3	3	5	7	5	6	4	5
20:00	1	2	4	9	3	4	7	5	4
21:00	3	0	2	3	2	2	3	2	2
22:00	1	1	1	2	3	4	3	2	2
23:00	0	0	0	0	4	0	0	0	1
Total	147	116	133	162	126	138	168	145	141
12H(7-19)	159	123	144	181	139	151	186	159	155
16H(6-22)	160	124	145	183	146	155	189	160	157
18H(6-24)	162	128	147	185	148	163	192	163	161
AM Peak	10:00 17	11:00 16	11:00 17	09:00 16	10:00 17	11:00 23	10:00 22	11:00 16	11:00 17
PM Peak	17:00 17	12:00 14	14:00 20	15:00 22	12:00 15	16:00 16	12:00 21	14:00 15	12:00 14

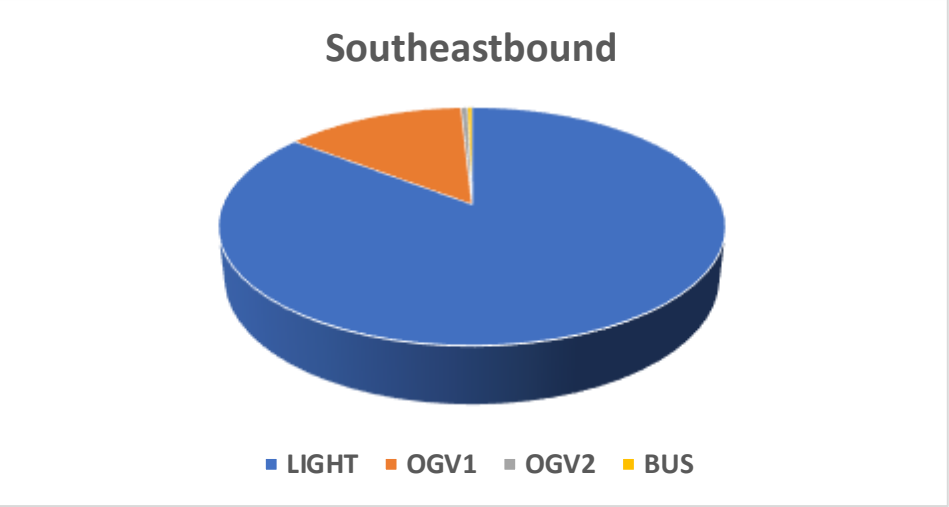
Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	90	72	18	0	0
Wed 7 Jun 2023	65	55	10	0	0
Thu 8 Jun 2023	78	68	9	1	0
Fri 9 Jun 2023	98	86	11	0	1
Sat 10 Jun 2023	80	66	14	0	0
Sun 11 Jun 2023	84	74	8	2	0
Mon 12 Jun 2023	101	88	12	0	1
5 Day Ave.	86	74	12	0	0
7 Day Ave.	85	73	12	0	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	80.0%	20.0%	0.0%	0.0%
Wed 7 Jun 2023	100.0%	84.6%	15.4%	0.0%	0.0%
Thu 8 Jun 2023	100.0%	87.2%	11.5%	1.3%	0.0%
Fri 9 Jun 2023	100.0%	87.8%	11.2%	0.0%	1.0%
Sat 10 Jun 2023	100.0%	82.5%	17.5%	0.0%	0.0%
Sun 11 Jun 2023	100.0%	88.1%	9.5%	2.4%	0.0%
Mon 12 Jun 2023	100.0%	87.1%	11.9%	0.0%	1.0%
5 Day Ave.	100.0%	85.4%	13.9%	0.2%	0.5%
7 Day Ave.	100.0%	85.4%	13.8%	0.5%	0.3%

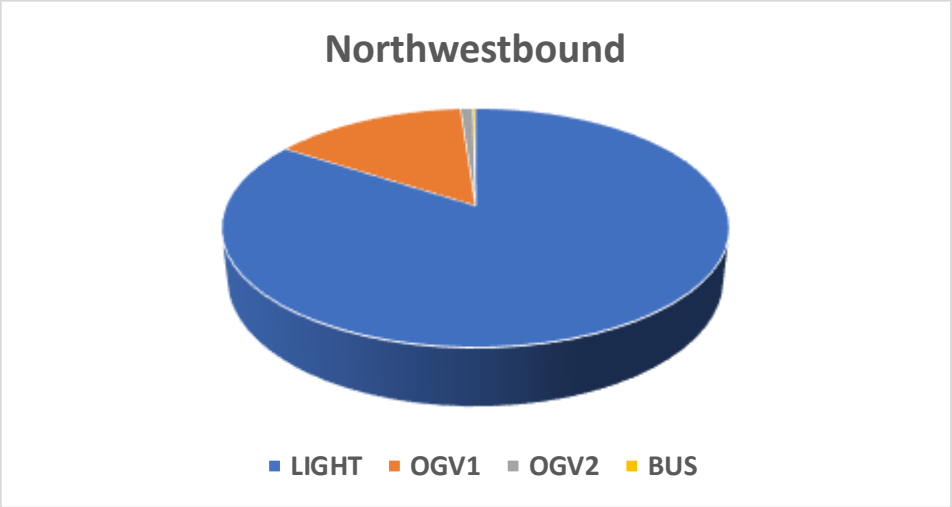
Paul Castle Associates



Direction: Northwestbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	72	59	13	0	0
Wed 7 Jun 2023	63	50	12	1	0
Thu 8 Jun 2023	69	60	9	0	0
Fri 9 Jun 2023	87	74	11	2	0
Sat 10 Jun 2023	68	59	9	0	0
Sun 11 Jun 2023	79	67	11	1	0
Mon 12 Jun 2023	91	76	13	1	1
5 Day Ave.	76	64	12	1	0
7 Day Ave.	76	64	11	1	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	81.9%	18.1%	0.0%	0.0%
Wed 7 Jun 2023	100.0%	79.4%	19.0%	1.6%	0.0%
Thu 8 Jun 2023	100.0%	87.0%	13.0%	0.0%	0.0%
Fri 9 Jun 2023	100.0%	85.1%	12.6%	2.3%	0.0%
Sat 10 Jun 2023	100.0%	86.8%	13.2%	0.0%	0.0%
Sun 11 Jun 2023	100.0%	84.8%	13.9%	1.3%	0.0%
Mon 12 Jun 2023	100.0%	83.5%	14.3%	1.1%	1.1%
5 Day Ave.	100.0%	83.5%	15.2%	1.0%	0.3%
7 Day Ave.	100.0%	84.1%	14.7%	0.9%	0.2%

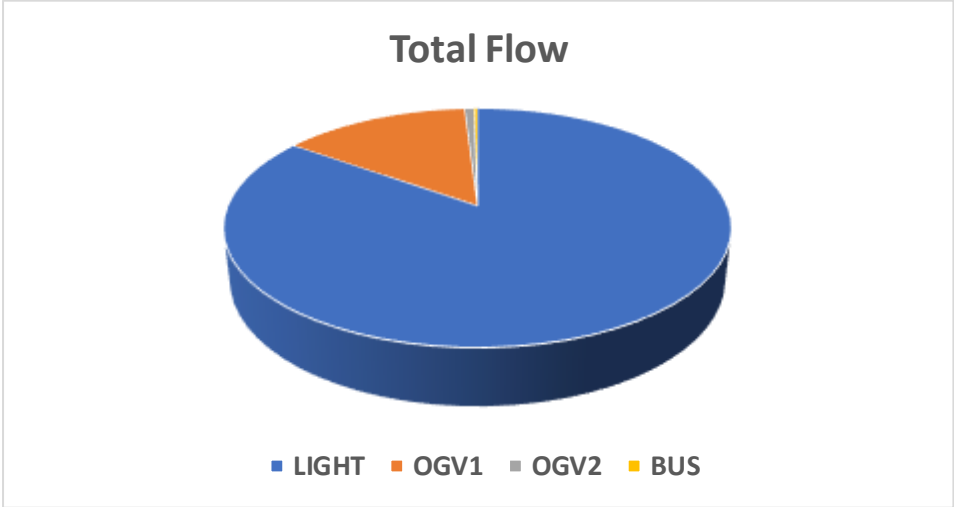
Paul Castle Associates



Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	162	131	31	0	0
Wed 7 Jun 2023	128	105	22	1	0
Thu 8 Jun 2023	147	128	18	1	0
Fri 9 Jun 2023	185	160	22	2	1
Sat 10 Jun 2023	148	125	23	0	0
Sun 11 Jun 2023	163	141	19	3	0
Mon 12 Jun 2023	192	164	25	1	2
5 Day Ave.	163	138	24	1	1
7 Day Ave.	161	136	23	1	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	80.9%	19.1%	0.0%	0.0%
Wed 7 Jun 2023	100.0%	82.0%	17.2%	0.8%	0.0%
Thu 8 Jun 2023	100.0%	87.1%	12.2%	0.7%	0.0%
Fri 9 Jun 2023	100.0%	86.5%	11.9%	1.1%	0.5%
Sat 10 Jun 2023	100.0%	84.5%	15.5%	0.0%	0.0%
Sun 11 Jun 2023	100.0%	86.5%	11.7%	1.8%	0.0%
Mon 12 Jun 2023	100.0%	85.4%	13.0%	0.5%	1.0%
5 Day Ave.	100.0%	84.5%	14.5%	0.6%	0.4%
7 Day Ave.	100.0%	84.8%	14.2%	0.7%	0.3%

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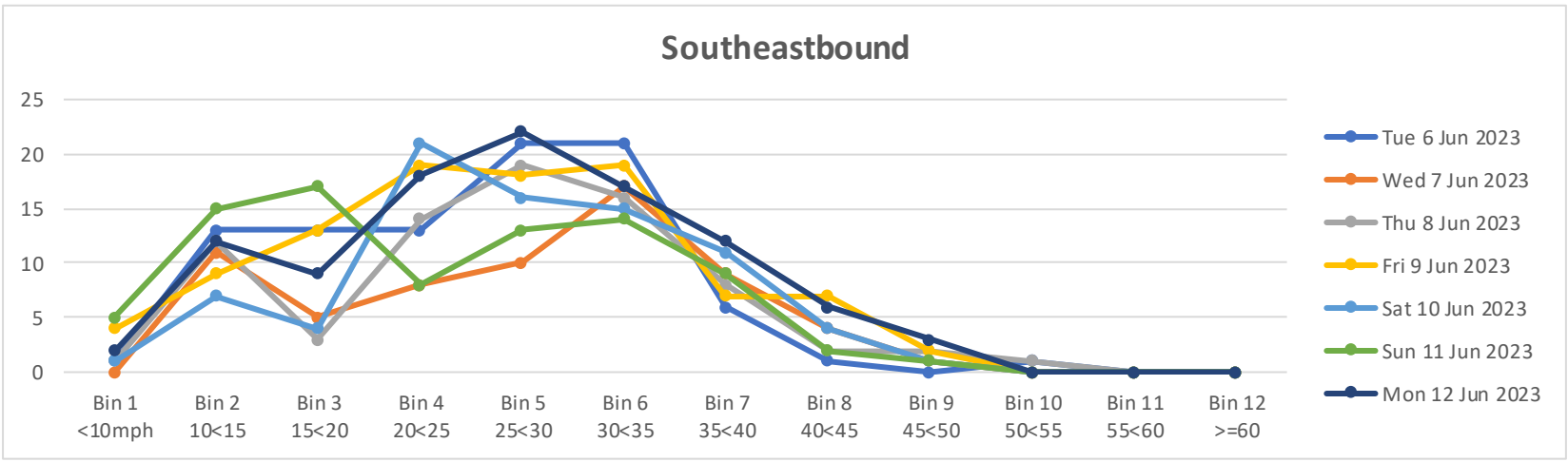


Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	90	34.0	25.2	8.5	1	13	13	13	21	21	6	1	0	1	0	0
Wed 7 Jun 2023	65	37.4	27.5	9.5	0	11	5	8	10	17	9	4	1	0	0	0
Thu 8 Jun 2023	78	36.7	26.9	9.4	1	12	3	14	19	16	8	2	2	1	0	0
Fri 9 Jun 2023	98	36.0	26.2	9.5	4	9	13	19	18	19	7	7	2	0	0	0
Sat 10 Jun 2023	80	36.2	27.4	8.5	1	7	4	21	16	15	11	4	1	0	0	0
Sun 11 Jun 2023	84	33.9	23.7	9.8	5	15	17	8	13	14	9	2	1	0	0	0
Mon 12 Jun 2023	101	36.9	27.1	9.5	2	12	9	18	22	17	12	6	3	0	0	0
5 Day Ave.	86	36.2	26.6	9.3	2	11	9	14	18	18	8	4	2	0	0	0
7 Day Ave.	85	35.9	26.3	9.2	2	11	9	14	17	17	9	4	1	0	0	0

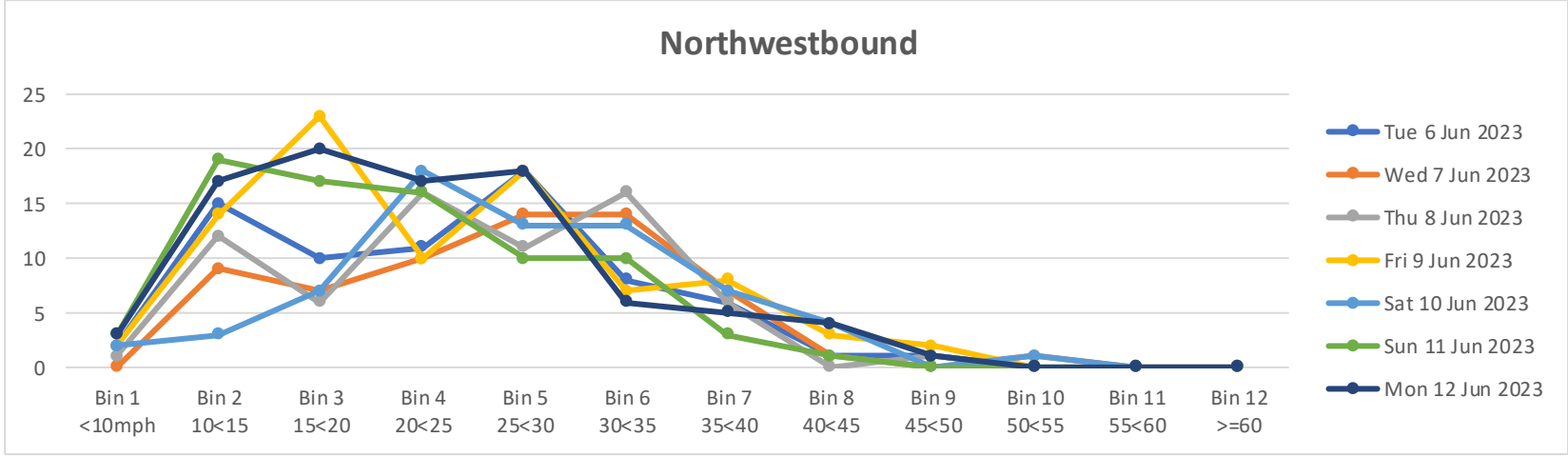
Paul Castle Associates



Direction: Northwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	72	32.9	23.6	9.0	2	15	10	11	18	8	6	1	1	0	0	0
Wed 7 Jun 2023	63	35.4	26.3	8.8	0	9	7	10	14	14	7	1	0	1	0	0
Thu 8 Jun 2023	69	33.8	24.9	8.6	1	12	6	16	11	16	6	0	1	0	0	0
Fri 9 Jun 2023	87	33.5	23.7	9.4	2	14	23	10	18	7	8	3	2	0	0	0
Sat 10 Jun 2023	68	36.2	27.1	8.7	2	3	7	18	13	13	7	4	0	1	0	0
Sun 11 Jun 2023	79	29.6	21.2	8.1	3	19	17	16	10	10	3	1	0	0	0	0
Mon 12 Jun 2023	91	32.0	22.7	9.0	3	17	20	17	18	6	5	4	1	0	0	0
5 Day Ave.	76	33.5	24.2	8.9	2	13	13	13	16	10	6	2	1	0	0	0
7 Day Ave.	76	33.3	24.2	8.8	2	13	13	14	15	11	6	2	1	0	0	0

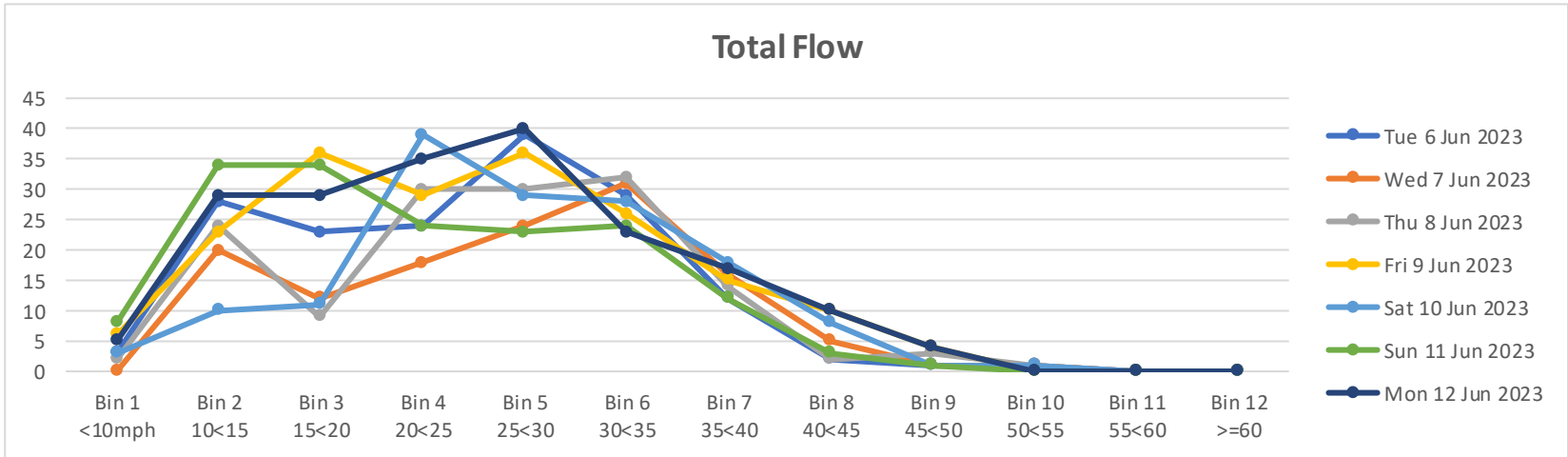
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	162	33.5	24.5	8.7	3	28	23	24	39	29	12	2	1	1	0	0
Wed 7 Jun 2023	128	36.4	26.9	9.1	0	20	12	18	24	31	16	5	1	1	0	0
Thu 8 Jun 2023	147	35.4	26.0	9.0	2	24	9	30	30	32	14	2	3	1	0	0
Fri 9 Jun 2023	185	34.9	25.0	9.5	6	23	36	29	36	26	15	10	4	0	0	0
Sat 10 Jun 2023	148	36.2	27.3	8.6	3	10	11	39	29	28	18	8	1	1	0	0
Sun 11 Jun 2023	163	31.9	22.5	9.1	8	34	34	24	23	24	12	3	1	0	0	0
Mon 12 Jun 2023	192	34.8	25.0	9.5	5	29	29	35	40	23	17	10	4	0	0	0
5 Day Ave.	163	35.0	25.5	9.2	3	25	22	27	34	28	15	6	3	1	0	0
7 Day Ave.	161	34.7	25.3	9.1	4	24	22	28	32	28	15	6	2	1	0	0

Paul Castle Associates



Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	14	32.3	23.2	8.7	0	4	2	0	5	2	1	0	0	0	0	0
Wed 7 Jun 2023	12	30.4	21.3	8.8	0	5	0	3	2	1	1	0	0	0	0	0
Thu 8 Jun 2023	19	32.1	23.3	8.5	1	4	1	3	6	3	1	0	0	0	0	0
Fri 9 Jun 2023	12	34.4	24.2	9.8	0	3	1	3	2	1	1	1	0	0	0	0
Sat 10 Jun 2023	15	37.9	27.9	9.6	1	1	0	4	2	3	3	1	0	0	0	0
Sun 11 Jun 2023	18	25.2	17.8	7.1	1	8	3	2	3	1	0	0	0	0	0	0
Mon 12 Jun 2023	23	32.0	24.3	7.4	1	3	1	6	6	6	0	0	0	0	0	0
5 Day Ave.	16	32.2	23.2	8.7	0	4	1	3	4	3	1	0	0	0	0	0
7 Day Ave.	16	32.0	23.1	8.6	1	4	1	3	4	2	1	0	0	0	0	0

Paul Castle Associates

Direction: Northwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	13	29.3	21.0	8.0	0	5	1	2	3	2	0	0	0	0	0	0
Wed 7 Jun 2023	14	32.0	25.0	6.7	0	2	0	4	6	1	1	0	0	0	0	0
Thu 8 Jun 2023	13	30.7	22.5	7.9	0	4	1	1	5	2	0	0	0	0	0	0
Fri 9 Jun 2023	14	31.1	22.5	8.3	0	3	3	3	3	0	2	0	0	0	0	0
Sat 10 Jun 2023	16	31.9	24.4	7.2	1	0	2	7	2	3	1	0	0	0	0	0
Sun 11 Jun 2023	14	27.3	20.4	6.7	0	4	3	3	3	1	0	0	0	0	0	0
Mon 12 Jun 2023	21	27.8	19.9	7.6	2	3	7	4	3	1	1	0	0	0	0	0
5 Day Ave.	15	30.2	22.2	7.7	0	3	2	3	4	1	1	0	0	0	0	0
7 Day Ave.	15	30.0	22.2	7.5	0	3	2	3	4	1	1	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	27	30.7	22.1	8.3	0	9	3	2	8	4	1	0	0	0	0	0
Wed 7 Jun 2023	26	31.4	23.3	7.8	0	7	0	7	8	2	2	0	0	0	0	0
Thu 8 Jun 2023	32	31.4	23.0	8.1	1	8	2	4	11	5	1	0	0	0	0	0
Fri 9 Jun 2023	26	32.5	23.3	8.9	0	6	4	6	5	1	3	1	0	0	0	0
Sat 10 Jun 2023	31	34.9	26.1	8.5	2	1	2	11	4	6	4	1	0	0	0	0
Sun 11 Jun 2023	32	26.1	18.9	7.0	1	12	6	5	6	2	0	0	0	0	0	0
Mon 12 Jun 2023	44	30.2	22.2	7.7	3	6	8	10	9	7	1	0	0	0	0	0
5 Day Ave.	31	31.3	22.8	8.2	1	7	3	6	8	4	2	0	0	0	0	0
7 Day Ave.	31	31.0	22.7	8.1	1	7	4	6	7	4	2	0	0	0	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	10	34.0	25.5	8.2	0	2	1	0	3	4	0	0	0	0	0	0
Wed 7 Jun 2023	12	41.0	30.8	9.8	0	1	1	1	1	5	1	1	1	0	0	0
Thu 8 Jun 2023	12	40.5	29.6	10.5	0	2	0	1	3	3	1	1	1	0	0	0
Fri 9 Jun 2023	20	41.7	30.8	10.5	0	2	1	3	4	2	4	2	2	0	0	0
Sat 10 Jun 2023	6	39.7	30.0	9.4	0	1	0	0	1	2	2	0	0	0	0	0
Sun 11 Jun 2023	10	38.5	29.0	9.1	0	0	2	1	3	2	1	0	1	0	0	0
Mon 12 Jun 2023	12	36.2	25.0	10.8	0	2	3	2	2	0	1	2	0	0	0	0
5 Day Ave.	13	38.7	28.3	10.0	0	2	1	1	3	3	1	1	1	0	0	0
7 Day Ave.	12	38.8	28.7	9.8	0	1	1	1	2	3	1	1	1	0	0	0

Paul Castle Associates

Direction: Northwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	13	31.6	21.7	9.5	0	5	1	2	3	1	0	1	0	0	0	0
Wed 7 Jun 2023	8	41.1	28.8	11.9	0	1	1	0	3	2	0	0	0	1	0	0
Thu 8 Jun 2023	14	31.9	23.9	7.7	0	3	0	5	3	2	1	0	0	0	0	0
Fri 9 Jun 2023	18	37.7	26.7	10.6	0	2	5	1	4	1	3	1	1	0	0	0
Sat 10 Jun 2023	10	35.2	24.6	10.2	1	1	1	2	2	2	0	1	0	0	0	0
Sun 11 Jun 2023	7	26.9	19.6	7.0	0	2	2	2	0	1	0	0	0	0	0	0
Mon 12 Jun 2023	9	26.6	19.7	6.7	0	3	2	1	3	0	0	0	0	0	0	0
5 Day Ave.	12	33.8	24.2	9.3	0	3	2	2	3	1	1	0	0	0	0	0
7 Day Ave.	11	33.0	23.6	9.1	0	2	2	2	3	1	1	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	23	32.7	23.4	9.0	0	7	2	2	6	5	0	1	0	0	0	0
Wed 7 Jun 2023	20	40.8	30.0	10.5	0	2	2	1	4	7	1	1	1	1	0	0
Thu 8 Jun 2023	26	36.3	26.5	9.4	0	5	0	6	6	5	2	1	1	0	0	0
Fri 9 Jun 2023	38	39.8	28.8	10.6	0	4	6	4	8	3	7	3	3	0	0	0
Sat 10 Jun 2023	16	36.9	26.6	10.0	1	2	1	2	3	4	2	1	0	0	0	0
Sun 11 Jun 2023	17	34.9	25.1	9.4	0	2	4	3	3	3	1	0	1	0	0	0
Mon 12 Jun 2023	21	32.5	22.7	9.4	0	5	5	3	5	0	1	2	0	0	0	0
5 Day Ave.	26	36.4	26.3	9.8	0	5	3	3	6	4	2	2	1	0	0	0
7 Day Ave.	23	36.3	26.2	9.7	0	4	3	3	5	4	2	1	1	0	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound					
06/06/2023					
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	1	1	0	0	0
05:00	1	1	0	0	0
06:00	1	1	0	0	0
07:00	3	3	0	0	0
08:00	6	5	1	0	0
09:00	13	10	3	0	0
10:00	10	6	4	0	0
11:00	4	3	1	0	0
12:00	7	5	2	0	0
13:00	5	3	2	0	0
14:00	6	6	0	0	0
15:00	4	3	1	0	0
16:00	10	9	1	0	0
17:00	7	5	2	0	0
18:00	5	4	1	0	0
19:00	3	3	0	0	0
20:00	0	0	0	0	0
21:00	3	3	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	80	62	18	0	0
16H(6-22)	87	69	18	0	0
18H(6-24)	88	70	18	0	0
24H(0-24)	90	72	18	0	0
AM Peak	09:00 13	09:00 10	10:00 4	00:00 0	00:00 0
PM Peak	16:00 10	16:00 9	12:00 2	12:00 0	12:00 0

Paul Castle Associates

Direction: Northwestbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	3	3	0	0	0
07:00	1	1	0	0	0
08:00	5	3	2	0	0
09:00	3	3	0	0	0
10:00	7	6	1	0	0
11:00	6	5	1	0	0
12:00	7	4	3	0	0
13:00	8	6	2	0	0
14:00	8	7	1	0	0
15:00	5	5	0	0	0
16:00	6	5	1	0	0
17:00	10	8	2	0	0
18:00	1	1	0	0	0
19:00	1	1	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	67	54	13	0	0
16H(6-22)	72	59	13	0	0
18H(6-24)	72	59	13	0	0
24H(0-24)	72	59	13	0	0
AM Peak	10:00 7	10:00 6	08:00 2	00:00 0	00:00 0
PM Peak	17:00 10	17:00 8	12:00 3	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	1	1	0	0	0
05:00	1	1	0	0	0
06:00	4	4	0	0	0
07:00	4	4	0	0	0
08:00	11	8	3	0	0
09:00	16	13	3	0	0
10:00	17	12	5	0	0
11:00	10	8	2	0	0
12:00	14	9	5	0	0
13:00	13	9	4	0	0
14:00	14	13	1	0	0
15:00	9	8	1	0	0
16:00	16	14	2	0	0
17:00	17	13	4	0	0
18:00	6	5	1	0	0
19:00	4	4	0	0	0
20:00	1	1	0	0	0
21:00	3	3	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	147	116	31	0	0
16H(6-22)	159	128	31	0	0
18H(6-24)	160	129	31	0	0
24H(0-24)	162	131	31	0	0
AM Peak	10:00 17	09:00 13	10:00 5	00:00 0	00:00 0
PM Peak	17:00 17	16:00 14	12:00 5	12:00 0	12:00 0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	0	1	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	0	0	0	0	0
07:00	1	1	0	0	0
08:00	5	5	0	0	0
09:00	4	4	0	0	0
10:00	4	3	1	0	0
11:00	8	7	1	0	0
12:00	5	5	0	0	0
13:00	6	3	3	0	0
14:00	7	6	1	0	0
15:00	5	4	1	0	0
16:00	4	3	1	0	0
17:00	5	4	1	0	0
18:00	4	4	0	0	0
19:00	1	1	0	0	0
20:00	2	2	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	58	49	9	0	0
16H(6-22)	61	52	9	0	0
18H(6-24)	62	53	9	0	0
24H(0-24)	65	55	10	0	0
AM Peak	11:00	11:00	00:00	00:00	00:00
	8	7	1	0	0
PM Peak	14:00	14:00	13:00	12:00	12:00
	7	6	3	0	0

Paul Castle Associates

Direction: Northwestbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	0	1	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	4	3	1	0	0
09:00	6	4	1	1	0
10:00	6	4	2	0	0
11:00	8	6	2	0	0
12:00	9	8	1	0	0
13:00	6	4	2	0	0
14:00	3	3	0	0	0
15:00	5	5	0	0	0
16:00	6	4	2	0	0
17:00	2	2	0	0	0
18:00	2	2	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)	58	46	11	1	0
16H(6-22)	62	50	11	1	0
18H(6-24)	62	50	11	1	0
24H(0-24)	63	50	12	1	0
AM Peak	11:00	11:00	10:00	09:00	00:00
	8	6	2	1	0
PM Peak	12:00	12:00	13:00	12:00	12:00
	9	8	2	0	0

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	0	1	0	0
01:00	1	0	1	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	2	2	0	0	0
07:00	2	2	0	0	0
08:00	9	8	1	0	0
09:00	10	8	1	1	0
10:00	10	7	3	0	0
11:00	16	13	3	0	0
12:00	14	13	1	0	0
13:00	12	7	5	0	0
14:00	10	9	1	0	0
15:00	10	9	1	0	0
16:00	10	7	3	0	0
17:00	7	6	1	0	0
18:00	6	6	0	0	0
19:00	3	3	0	0	0
20:00	2	2	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	116	95	20	1	0
16H(6-22)	123	102	20	1	0
18H(6-24)	124	103	20	1	0
24H(0-24)	128	105	22	1	0
AM Peak	11:00	11:00	10:00	09:00	00:00
	16	13	3	1	0
PM Peak	12:00	12:00	13:00	12:00	12:00
	14	13	5	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound					
08/06/2023					
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	2	2	0	0	0
06:00	1	1	0	0	0
07:00	3	2	1	0	0
08:00	5	5	0	0	0
09:00	4	4	0	0	0
10:00	12	10	2	0	0
11:00	7	7	0	0	0
12:00	5	4	0	1	0
13:00	6	6	0	0	0
14:00	10	8	2	0	0
15:00	2	2	0	0	0
16:00	5	3	2	0	0
17:00	8	7	1	0	0
18:00	3	2	1	0	0
19:00	1	1	0	0	0
20:00	2	2	0	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	70	60	9	1	0
16H(6-22)	75	65	9	1	0
18H(6-24)	76	66	9	1	0
24H(0-24)	78	68	9	1	0
AM Peak	10:00	10:00	10:00	00:00	00:00
	12	10	2	0	0
PM Peak	14:00	14:00	14:00	12:00	12:00
	10	8	2	1	0

Paul Castle Associates

Direction: Northwestbound					
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	2	0	0	0
08:00	6	4	2	0	0
09:00	4	4	0	0	0
10:00	3	2	1	0	0
11:00	10	9	1	0	0
12:00	4	4	0	0	0
13:00	5	4	1	0	0
14:00	10	9	1	0	0
15:00	4	3	1	0	0
16:00	4	3	1	0	0
17:00	7	7	0	0	0
18:00	4	3	1	0	0
19:00	2	2	0	0	0
20:00	2	2	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	63	54	9	0	0
16H(6-22)	69	60	9	0	0
18H(6-24)	69	60	9	0	0
24H(0-24)	69	60	9	0	0
AM Peak	11:00	11:00	08:00	00:00	00:00
	10	9	2	0	0
PM Peak	14:00	14:00	13:00	12:00	12:00
	10	9	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	2	2	0	0	0
06:00	2	2	0	0	0
07:00	5	4	1	0	0
08:00	11	9	2	0	0
09:00	8	8	0	0	0
10:00	15	12	3	0	0
11:00	17	16	1	0	0
12:00	9	8	0	1	0
13:00	11	10	1	0	0
14:00	20	17	3	0	0
15:00	6	5	1	0	0
16:00	9	6	3	0	0
17:00	15	14	1	0	0
18:00	7	5	2	0	0
19:00	3	3	0	0	0
20:00	4	4	0	0	0
21:00	2	2	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	133	114	18	1	0
16H(6-22)	144	125	18	1	0
18H(6-24)	145	126	18	1	0
24H(0-24)	147	128	18	1	0
AM Peak	11:00	11:00	10:00	00:00	00:00
	17	16	3	0	0
PM Peak	14:00	14:00	14:00	12:00	12:00
	20	17	3	1	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound					
09/06/2023					
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	2	2	0	0	0
06:00	1	1	0	0	0
07:00	3	3	0	0	0
08:00	6	5	1	0	0
09:00	8	7	1	0	0
10:00	5	2	3	0	0
11:00	7	5	2	0	0
12:00	7	6	1	0	0
13:00	8	7	1	0	0
14:00	8	7	0	0	1
15:00	12	12	0	0	0
16:00	9	8	1	0	0
17:00	8	7	1	0	0
18:00	3	3	0	0	0
19:00	1	1	0	0	0
20:00	6	6	0	0	0
21:00	3	3	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	84	72	11	0	1
16H(6-22)	95	83	11	0	1
18H(6-24)	96	84	11	0	1
24H(0-24)	98	86	11	0	1
AM Peak	09:00	09:00	10:00	00:00	00:00
	8	7	3	0	0
PM Peak	15:00	15:00	12:00	12:00	14:00
	12	12	1	0	1

Paul Castle Associates

Direction: Northwestbound					
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	2	0	0	0
08:00	4	2	2	0	0
09:00	8	8	0	0	0
10:00	6	3	3	0	0
11:00	8	7	1	0	0
12:00	4	4	0	0	0
13:00	3	2	1	0	0
14:00	8	8	0	0	0
15:00	10	8	1	1	0
16:00	8	6	2	0	0
17:00	9	7	1	1	0
18:00	8	8	0	0	0
19:00	4	4	0	0	0
20:00	3	3	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	78	65	11	2	0
16H(6-22)	86	73	11	2	0
18H(6-24)	87	74	11	2	0
24H(0-24)	87	74	11	2	0
AM Peak	09:00	09:00	10:00	00:00	00:00
	8	8	3	0	0
PM Peak	15:00	14:00	16:00	15:00	12:00
	10	8	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	2	2	0	0	0
06:00	2	2	0	0	0
07:00	5	5	0	0	0
08:00	10	7	3	0	0
09:00	16	15	1	0	0
10:00	11	5	6	0	0
11:00	15	12	3	0	0
12:00	11	10	1	0	0
13:00	11	9	2	0	0
14:00	16	15	0	0	1
15:00	22	20	1	1	0
16:00	17	14	3	0	0
17:00	17	14	2	1	0
18:00	11	11	0	0	0
19:00	5	5	0	0	0
20:00	9	9	0	0	0
21:00	3	3	0	0	0
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	162	137	22	2	1
16H(6-22)	181	156	22	2	1
18H(6-24)	183	158	22	2	1
24H(0-24)	185	160	22	2	1
AM Peak	09:00	09:00	10:00	00:00	00:00
	16	15	6	0	0
PM Peak	15:00	15:00	16:00	15:00	14:00
	22	20	3	1	1

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

10/06/2023					
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	1	1	0	0	0
07:00	5	4	1	0	0
08:00	8	7	1	0	0
09:00	5	4	1	0	0
10:00	7	6	1	0	0
11:00	8	8	0	0	0
12:00	6	5	1	0	0
13:00	6	6	0	0	0
14:00	2	2	0	0	0
15:00	4	4	0	0	0
16:00	2	2	0	0	0
17:00	5	3	2	0	0
18:00	5	5	0	0	0
19:00	4	4	0	0	0
20:00	3	2	1	0	0
21:00	1	1	0	0	0
22:00	3	0	3	0	0
23:00	4	1	3	0	0
Total					
12H(7-19)	63	56	7	0	0
16H(6-22)	72	64	8	0	0
18H(6-24)	79	65	14	0	0
24H(0-24)	80	66	14	0	0
AM Peak	08:00	11:00	07:00	00:00	00:00
	8	8	1	0	0
PM Peak	12:00	13:00	22:00	12:00	12:00
	6	6	3	0	0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	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	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	5	4	1	0	0
08:00	6	4	2	0	0
09:00	2	2	0	0	0
10:00	10	8	2	0	0
11:00	6	6	0	0	0
12:00	9	9	0	0	0
13:00	3	3	0	0	0
14:00	7	6	1	0	0
15:00	3	3	0	0	0
16:00	5	4	1	0	0
17:00	2	0	2	0	0
18:00	5	5	0	0	0
19:00	3	3	0	0	0
20:00	0	0	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	63	54	9	0	0
16H(6-22)	67	58	9	0	0
18H(6-24)	67	58	9	0	0
24H(0-24)	68	59	9	0	0
AM Peak	10:00	10:00	08:00	00:00	00:00
	10	8	2	0	0
PM Peak	12:00	12:00	17:00	12:00	12:00
	9	9	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	1	1	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	1	1	0	0	0
07:00	10	8	2	0	0
08:00	14	11	3	0	0
09:00	7	6	1	0	0
10:00	17	14	3	0	0
11:00	14	14	0	0	0
12:00	15	14	1	0	0
13:00	9	9	0	0	0
14:00	9	8	1	0	0
15:00	7	7	0	0	0
16:00	7	6	1	0	0
17:00	7	3	4	0	0
18:00	10	10	0	0	0
19:00	7	7	0	0	0
20:00	3	2	1	0	0
21:00	2	2	0	0	0
22:00	3	0	3	0	0
23:00	4	1	3	0	0
Total					
12H(7-19)	126	110	16	0	0
16H(6-22)	139	122	17	0	0
18H(6-24)	146	123	23	0	0
24H(0-24)	148	125	23	0	0
AM Peak	10:00	10:00	08:00	00:00	00:00
	17	14	3	0	0
PM Peak	12:00	12:00	17:00	12:00	12:00
	15	14	4	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound					
11/06/2023					
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	1	1	0	0	0
07:00	1	1	0	0	0
08:00	5	4	1	0	0
09:00	9	8	1	0	0
10:00	6	5	0	1	0
11:00	12	11	1	0	0
12:00	7	5	2	0	0
13:00	5	3	2	0	0
14:00	5	5	0	0	0
15:00	5	5	0	0	0
16:00	5	4	1	0	0
17:00	10	9	0	1	0
18:00	4	4	0	0	0
19:00	2	2	0	0	0
20:00	3	3	0	0	0
21:00	2	2	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	74	64	8	2	0
16H(6-22)	82	72	8	2	0
18H(6-24)	83	73	8	2	0
24H(0-24)	84	74	8	2	0
AM Peak	11:00	11:00	08:00	10:00	00:00
	12	11	1	1	0
PM Peak	17:00	17:00	12:00	17:00	12:00
	10	9	2	1	0

Paul Castle Associates

Direction: Northwestbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	2	1	1	0	0
03:00	5	0	5	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	1	1	0	0	0
08:00	4	3	1	0	0
09:00	6	5	1	0	0
10:00	3	3	0	0	0
11:00	11	11	0	0	0
12:00	5	5	0	0	0
13:00	6	5	1	0	0
14:00	3	3	0	0	0
15:00	4	4	0	0	0
16:00	11	8	2	1	0
17:00	6	6	0	0	0
18:00	4	4	0	0	0
19:00	3	3	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	3	3	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	64	58	5	1	0
16H(6-22)	69	63	5	1	0
18H(6-24)	72	66	5	1	0
24H(0-24)	79	67	11	1	0
AM Peak	11:00	11:00	03:00	00:00	00:00
	11	11	5	0	0
PM Peak	16:00	16:00	16:00	16:00	12:00
	11	8	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	2	1	1	0	0
03:00	5	0	5	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	2	2	0	0	0
08:00	9	7	2	0	0
09:00	15	13	2	0	0
10:00	9	8	0	1	0
11:00	23	22	1	0	0
12:00	12	10	2	0	0
13:00	11	8	3	0	0
14:00	8	8	0	0	0
15:00	9	9	0	0	0
16:00	16	12	3	1	0
17:00	16	15	0	1	0
18:00	8	8	0	0	0
19:00	5	5	0	0	0
20:00	4	4	0	0	0
21:00	2	2	0	0	0
22:00	4	4	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	138	122	13	3	0
16H(6-22)	151	135	13	3	0
18H(6-24)	155	139	13	3	0
24H(0-24)	163	141	19	3	0
AM Peak	11:00	11:00	03:00	10:00	00:00
	23	22	5	1	0
PM Peak	16:00	17:00	13:00	16:00	12:00
	16	15	3	1	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound					
12/06/2023					
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	2	2	0	0	0
06:00	0	0	0	0	0
07:00	2	2	0	0	0
08:00	10	10	0	0	0
09:00	5	4	1	0	0
10:00	13	10	3	0	0
11:00	10	9	0	0	1
12:00	10	8	2	0	0
13:00	8	7	1	0	0
14:00	9	7	2	0	0
15:00	3	3	0	0	0
16:00	5	4	1	0	0
17:00	7	7	0	0	0
18:00	7	7	0	0	0
19:00	4	4	0	0	0
20:00	3	1	2	0	0
21:00	2	2	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	89	78	10	0	1
16H(6-22)	98	85	12	0	1
18H(6-24)	99	86	12	0	1
24H(0-24)	101	88	12	0	1
AM Peak	10:00	08:00	10:00	00:00	11:00
	13	10	3	0	1
PM Peak	12:00	12:00	12:00	12:00	12:00
	10	8	2	0	0

Paul Castle Associates

Direction: Northwestbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	2	2	0	0	0
07:00	1	1	0	0	0
08:00	7	6	1	0	0
09:00	6	5	1	0	0
10:00	9	6	3	0	0
11:00	12	10	2	0	0
12:00	11	9	1	0	1
13:00	8	6	2	0	0
14:00	7	6	1	0	0
15:00	2	2	0	0	0
16:00	3	2	1	0	0
17:00	8	7	1	0	0
18:00	5	5	0	0	0
19:00	2	1	0	1	0
20:00	4	4	0	0	0
21:00	1	1	0	0	0
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	79	65	13	0	1
16H(6-22)	88	73	13	1	1
18H(6-24)	90	75	13	1	1
24H(0-24)	91	76	13	1	1
AM Peak	11:00	11:00	10:00	00:00	00:00
	12	10	3	0	0
PM Peak	12:00	12:00	13:00	19:00	12:00
	11	9	2	1	1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	3	3	0	0	0
06:00	2	2	0	0	0
07:00	3	3	0	0	0
08:00	17	16	1	0	0
09:00	11	9	2	0	0
10:00	22	16	6	0	0
11:00	22	19	2	0	1
12:00	21	17	3	0	1
13:00	16	13	3	0	0
14:00	16	13	3	0	0
15:00	5	5	0	0	0
16:00	8	6	2	0	0
17:00	15	14	1	0	0
18:00	12	12	0	0	0
19:00	6	5	0	1	0
20:00	7	5	2	0	0
21:00	3	3	0	0	0
22:00	3	3	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	168	143	23	0	2
16H(6-22)	186	158	25	1	2
18H(6-24)	189	161	25	1	2
24H(0-24)	192	164	25	1	2
AM Peak	10:00	11:00	10:00	00:00	11:00
	22	19	6	0	1
PM Peak	12:00	12:00	12:00	19:00	12:00
	21	17	3	1	1

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
05:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
06:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
07:00	3	31.6	20.8	10.4	0	1	1	0	0	1	0	0	0	0	0	0
08:00	6	34.8	27.5	7.1	0	0	1	1	2	1	1	0	0	0	0	0
09:00	13	30.2	24.0	5.9	0	1	1	6	4	0	1	0	0	0	0	0
10:00	10	34.4	25.5	8.6	0	2	1	0	4	2	1	0	0	0	0	0
11:00	4	24.8	17.5	7.1	0	2	1	0	1	0	0	0	0	0	0	0
12:00	7	35.4	24.6	10.4	0	2	1	0	1	2	1	0	0	0	0	0
13:00	5	24.2	18.5	5.5	0	1	3	0	1	0	0	0	0	0	0	0
14:00	6	33.5	25.0	8.2	0	1	1	0	2	2	0	0	0	0	0	0
15:00	4	36.1	26.3	9.5	0	1	0	0	1	2	0	0	0	0	0	0
16:00	10	37.8	29.0	8.5	0	1	0	2	2	3	1	1	0	0	0	0
17:00	7	29.5	19.7	9.4	1	1	3	0	0	2	0	0	0	0	0	0
18:00	5	35.8	31.5	4.2	0	0	0	0	2	2	1	0	0	0	0	0
19:00	3	35.2	29.2	5.8	0	0	0	1	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	3	32.7	27.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
22:00	1	-	52.5	-	0	0	0	0	0	0	0	0	0	1	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	14	32.3	23.2	8.7	0	4	2	0	5	2	1	0	0	0	0	0
2H(14-16)	10	34.0	25.5	8.2	0	2	1	0	3	4	0	0	0	0	0	0
12H(7-19)	80	33.2	24.6	8.3	1	13	13	9	20	17	6	1	0	0	0	0
24H(0-24)	90	34.0	25.2	8.5	1	13	13	13	21	21	6	1	0	1	0	0
AM Peak	09:00	08:00	06:00	07:00	00:00	10:00	07:00	09:00	09:00	10:00	08:00	00:00	00:00	00:00	00:00	00:00
	13	34.8	32.5	10.4	0	2	1	6	4	2	1	0	0	0	0	0
PM Peak	16:00	16:00	22:00	12:00	17:00	12:00	13:00	16:00	14:00	16:00	12:00	16:00	12:00	22:00	12:00	12:00
	10	37.8	52.5	10.4	1	2	3	2	2	3	1	1	0	1	0	0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	3	40.0	29.2	10.4	0	0	1	0	0	1	1	0	0	0	0	0
07:00	1	-	47.5	-	0	0	0	0	0	0	0	0	1	0	0	0
08:00	5	29.8	22.5	7.1	0	1	1	0	3	0	0	0	0	0	0	0
09:00	3	22.7	17.5	5.0	0	1	1	1	0	0	0	0	0	0	0	0
10:00	7	28.8	21.1	7.5	0	2	1	2	1	1	0	0	0	0	0	0
11:00	6	30.5	20.8	9.3	0	3	0	0	2	1	0	0	0	0	0	0
12:00	7	32.7	21.9	10.5	1	1	1	2	0	1	1	0	0	0	0	0
13:00	8	36.0	25.1	10.6	1	0	2	1	1	1	2	0	0	0	0	0
14:00	8	28.9	20.6	8.0	0	3	1	1	2	1	0	0	0	0	0	0
15:00	5	36.4	23.5	12.4	0	2	0	1	1	0	0	1	0	0	0	0
16:00	6	33.6	26.7	6.6	0	0	1	1	3	0	1	0	0	0	0	0
17:00	10	32.9	25.5	7.1	0	1	1	2	4	1	1	0	0	0	0	0
18:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
19:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
20:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	13	29.3	21.0	8.0	0	5	1	2	3	2	0	0	0	0	0	0
2H(14-16)	13	31.6	21.7	9.5	0	5	1	2	3	1	0	1	0	0	0	0
12H(7-19)	67	32.5	23.3	8.9	2	14	9	11	18	6	5	1	1	0	0	0
24H(0-24)	72	32.9	23.6	9.0	2	15	10	11	18	8	6	1	1	0	0	0
AM Peak	10:00	06:00	07:00	06:00	00:00	11:00	06:00	10:00	08:00	06:00	06:00	00:00	07:00	00:00	00:00	00:00
	7	40.0	47.5	10.4	0	3	1	2	3	1	1	0	1	0	0	0
PM Peak	17:00	15:00	19:00	15:00	12:00	14:00	13:00	12:00	17:00	12:00	13:00	15:00	12:00	12:00	12:00	12:00
	10	36.4	32.5	12.4	1	3	2	2	4	1	2	1	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
05:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
06:00	4	39.0	30.0	8.7	0	0	1	0	0	2	1	0	0	0	0	0
07:00	4	43.9	27.5	15.8	0	1	1	0	0	1	0	0	1	0	0	0
08:00	11	32.7	25.2	7.2	0	1	2	1	5	1	1	0	0	0	0	0
09:00	16	29.2	22.8	6.2	0	2	2	7	4	0	1	0	0	0	0	0
10:00	17	32.2	23.7	8.2	0	4	2	2	5	3	1	0	0	0	0	0
11:00	10	28.0	19.5	8.2	0	5	1	0	3	1	0	0	0	0	0	0
12:00	14	33.7	23.3	10.1	1	3	2	2	1	3	2	0	0	0	0	0
13:00	13	32.2	22.5	9.3	1	1	5	1	2	1	2	0	0	0	0	0
14:00	14	30.9	22.5	8.1	0	4	2	1	4	3	0	0	0	0	0	0
15:00	9	35.7	24.7	10.6	0	3	0	1	2	2	0	1	0	0	0	0
16:00	16	36.1	28.1	7.7	0	1	1	3	5	3	2	1	0	0	0	0
17:00	17	31.8	23.1	8.4	1	2	4	2	4	3	1	0	0	0	0	0
18:00	6	35.1	30.8	4.1	0	0	0	0	3	2	1	0	0	0	0	0
19:00	4	35.2	30.0	5.0	0	0	0	1	0	3	0	0	0	0	0	0
20:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	3	32.7	27.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
22:00	1	-	52.5	-	0	0	0	0	0	0	0	0	0	1	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	27	30.7	22.1	8.3	0	9	3	2	8	4	1	0	0	0	0	0
2H(14-16)	23	32.7	23.4	9.0	0	7	2	2	6	5	0	1	0	0	0	0
12H(7-19)	147	32.9	24.0	8.6	3	27	22	20	38	23	11	2	1	0	0	0
24H(0-24)	162	33.5	24.5	8.7	3	28	23	24	39	29	12	2	1	1	0	0
AM Peak	10:00	07:00	06:00	07:00	00:00	11:00	08:00	09:00	08:00	10:00	06:00	00:00	07:00	00:00	00:00	00:00
	17	43.9	30.0	15.8	0	5	2	7	5	3	1	0	1	0	0	0
PM Peak	17:00	16:00	22:00	15:00	12:00	14:00	13:00	16:00	16:00	12:00	12:00	15:00	12:00	22:00	12:00	12:00
	17	36.1	52.5	10.6	1	4	5	3	5	3	2	1	0	1	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	27.5	-	0	0	0	0	1	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	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
05:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	-	42.5	-	0	0	0	0	0	0	0	1	0	0	0	0
08:00	5	37.8	33.5	4.2	0	0	0	0	1	2	2	0	0	0	0	0
09:00	4	30.1	21.3	8.5	0	1	1	1	0	1	0	0	0	0	0	0
10:00	4	36.7	30.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
11:00	8	23.3	16.9	6.2	0	5	0	2	1	0	0	0	0	0	0	0
12:00	5	32.1	21.5	10.2	0	2	1	0	0	2	0	0	0	0	0	0
13:00	6	40.0	31.7	8.0	0	0	0	2	0	2	1	1	0	0	0	0
14:00	7	45.0	33.2	11.3	0	1	0	0	1	2	1	1	1	0	0	0
15:00	5	34.8	27.5	7.1	0	0	1	1	0	3	0	0	0	0	0	0
16:00	4	41.7	28.8	12.5	0	1	0	0	1	1	0	1	0	0	0	0
17:00	5	36.2	25.5	10.4	0	1	1	0	1	1	1	0	0	0	0	0
18:00	4	36.2	31.3	4.8	0	0	0	0	2	1	1	0	0	0	0	0
19:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
20:00	2	37.5	37.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	32.5	-	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)	12	30.4	21.3	8.8	0	5	0	3	2	1	1	0	0	0	0	0
2H(14-16)	12	41.0	30.8	9.8	0	1	1	1	1	5	1	1	1	0	0	0
12H(7-19)	58	37.5	27.3	9.8	0	11	4	7	8	16	7	4	1	0	0	0
24H(0-24)	65	37.4	27.5	9.5	0	11	5	8	10	17	9	4	1	0	0	0
AM Peak	11:00	08:00	07:00	09:00	00:00	11:00	09:00	11:00	00:00	08:00	08:00	07:00	00:00	00:00	00:00	00:00
	8	37.8	42.5	8.5	0	5	1	2	1	2	2	1	0	0	0	0
PM Peak	14:00	14:00	20:00	16:00	12:00	12:00	12:00	13:00	18:00	15:00	20:00	13:00	14:00	12:00	12:00	12:00
	7	45.0	37.5	12.5	0	2	1	2	2	3	2	1	1	0	0	0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	27.5	-	0	0	0	0	1	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	41.0	30.0	10.6	0	0	0	1	0	0	1	0	0	0	0	0
07:00	1	-	42.5	-	0	0	0	0	0	0	0	1	0	0	0	0
08:00	4	37.0	27.5	9.1	0	0	1	1	0	1	1	0	0	0	0	0
09:00	6	34.4	24.2	9.8	0	2	0	1	0	3	0	0	0	0	0	0
10:00	6	29.4	23.3	5.8	0	1	0	2	3	0	0	0	0	0	0	0
11:00	8	34.0	26.3	7.4	0	1	0	2	3	1	1	0	0	0	0	0
12:00	9	32.9	23.1	9.5	0	2	3	0	1	2	1	0	0	0	0	0
13:00	6	37.6	25.0	12.1	0	2	1	0	0	1	2	0	0	0	0	0
14:00	3	51.8	30.8	20.2	0	1	0	0	1	0	0	0	0	1	0	0
15:00	5	33.8	27.5	6.1	0	0	1	0	2	2	0	0	0	0	0	0
16:00	6	34.8	27.5	7.1	0	0	1	1	2	1	1	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	22.5	22.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
19:00	2	33.7	30.0	3.5	0	0	0	0	1	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)	14	32.0	25.0	6.7	0	2	0	4	6	1	1	0	0	0	0	0
2H(14-16)	8	41.1	28.8	11.9	0	1	1	0	3	2	0	0	0	1	0	0
12H(7-19)	58	35.3	26.0	9.0	0	9	7	9	12	13	6	1	0	1	0	0
24H(0-24)	63	35.4	26.3	8.8	0	9	7	10	14	14	7	1	0	1	0	0
AM Peak	11:00 8	06:00 41.0	07:00 42.5	06:00 10.6	00:00 0	09:00 2	08:00 1	10:00 2	10:00 3	09:00 3	06:00 1	07:00 1	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	12:00 9	14:00 51.8	17:00 32.5	14:00 20.2	12:00 0	12:00 2	12:00 3	18:00 2	15:00 2	12:00 2	13:00 2	12:00 0	12:00 0	14:00 1	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
01:00	1	-	27.5	-	0	0	0	0	1	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	1	0	0	0	0	0	0	0
05:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
06:00	2	41.0	30.0	10.6	0	0	0	1	0	0	1	0	0	0	0	0
07:00	2	42.5	42.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
08:00	9	38.2	30.8	7.1	0	0	1	1	1	3	3	0	0	0	0	0
09:00	10	32.3	23.0	9.0	0	3	1	2	0	4	0	0	0	0	0	0
10:00	10	32.9	26.0	6.7	0	1	0	3	4	1	1	0	0	0	0	0
11:00	16	30.1	21.6	8.2	0	6	0	4	4	1	1	0	0	0	0	0
12:00	14	32.2	22.5	9.4	0	4	4	0	1	4	1	0	0	0	0	0
13:00	12	39.1	28.3	10.4	0	2	1	2	0	3	3	1	0	0	0	0
14:00	10	46.3	32.5	13.3	0	2	0	0	2	2	1	1	1	1	0	0
15:00	10	34.0	27.5	6.2	0	0	2	1	2	5	0	0	0	0	0	0
16:00	10	37.3	28.0	9.0	0	1	1	1	3	2	1	1	0	0	0	0
17:00	7	37.0	27.5	9.1	0	1	1	0	1	3	1	0	0	0	0	0
18:00	6	34.4	28.3	5.8	0	0	0	2	2	1	1	0	0	0	0	0
19:00	3	33.7	25.8	7.6	0	0	1	0	1	1	0	0	0	0	0	0
20:00	2	37.5	37.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	32.5	-	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)	26	31.4	23.3	7.8	0	7	0	7	8	2	2	0	0	0	0	0
2H(14-16)	20	40.8	30.0	10.5	0	2	2	1	4	7	1	1	1	1	0	0
12H(7-19)	116	36.4	26.7	9.4	0	20	11	16	20	29	13	5	1	1	0	0
24H(0-24)	128	36.4	26.9	9.1	0	20	12	18	24	31	16	5	1	1	0	0
AM Peak	11:00	07:00	07:00	06:00	00:00	11:00	08:00	11:00	10:00	09:00	08:00	07:00	00:00	00:00	00:00	00:00
	16	42.5	42.5	10.6	0	6	1	4	4	4	3	2	0	0	0	0
PM Peak	12:00	14:00	20:00	14:00	12:00	12:00	12:00	13:00	16:00	15:00	13:00	13:00	14:00	14:00	12:00	12:00
	14	46.3	37.5	13.3	0	4	4	2	3	5	3	1	1	1	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	2	0	0	0	0	0	0	0	0
06:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
07:00	3	37.7	32.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
08:00	5	44.4	31.5	12.4	0	0	0	2	1	1	0	0	0	1	0	0
09:00	4	36.7	30.0	6.5	0	0	0	1	1	1	1	0	0	0	0	0
10:00	12	32.5	22.1	10.0	1	4	0	1	3	2	1	0	0	0	0	0
11:00	7	30.4	25.4	4.9	0	0	1	2	3	1	0	0	0	0	0	0
12:00	5	36.4	23.5	12.4	0	2	0	1	1	0	0	1	0	0	0	0
13:00	6	40.2	27.5	12.2	0	1	1	0	2	1	0	0	1	0	0	0
14:00	10	37.6	27.5	9.7	0	2	0	1	3	2	1	1	0	0	0	0
15:00	2	51.0	40.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
16:00	5	36.4	30.5	5.7	0	0	0	1	1	2	1	0	0	0	0	0
17:00	8	33.2	23.8	9.2	0	2	1	1	2	1	1	0	0	0	0	0
18:00	3	41.5	32.5	8.7	0	0	0	1	0	0	2	0	0	0	0	0
19:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
20:00	2	37.2	22.5	14.1	0	1	0	0	0	1	0	0	0	0	0	0
21:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
22:00	1	-	22.5	-	0	0	0	1	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)	19	32.1	23.3	8.5	1	4	1	3	6	3	1	0	0	0	0	0
2H(14-16)	12	40.5	29.6	10.5	0	2	0	1	3	3	1	1	1	0	0	0
12H(7-19)	70	37.1	27.1	9.6	1	11	3	11	18	13	8	2	2	1	0	0
24H(0-24)	78	36.7	26.9	9.4	1	12	3	14	19	16	8	2	2	1	0	0
AM Peak	10:00	08:00	06:00	08:00	10:00	10:00	11:00	05:00	10:00	10:00	07:00	00:00	00:00	08:00	00:00	00:00
	12	44.4	32.5	12.4	1	4	1	2	3	2	1	0	0	1	0	0
PM Peak	14:00	15:00	15:00	20:00	12:00	12:00	13:00	12:00	14:00	14:00	18:00	12:00	13:00	12:00	12:00	12:00
	10	51.0	40.0	14.1	0	2	1	1	3	2	2	1	1	0	0	0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	37.5	-	0	0	0	0	0	0	1	0	0	0	0	0
07:00	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
08:00	6	39.2	25.8	12.9	0	1	2	0	1	1	0	0	1	0	0	0
09:00	4	29.8	22.5	7.1	0	0	2	1	0	1	0	0	0	0	0	0
10:00	3	33.8	30.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
11:00	10	27.4	20.0	7.2	0	4	1	1	4	0	0	0	0	0	0	0
12:00	4	30.1	21.3	8.5	0	1	1	1	0	1	0	0	0	0	0	0
13:00	5	37.5	24.5	12.5	0	2	0	1	0	0	2	0	0	0	0	0
14:00	10	33.5	25.0	8.2	0	2	0	3	2	2	1	0	0	0	0	0
15:00	4	27.8	21.3	6.3	0	1	0	2	1	0	0	0	0	0	0	0
16:00	4	33.7	28.8	4.8	0	0	0	1	1	2	0	0	0	0	0	0
17:00	7	33.2	25.4	7.6	0	1	0	3	0	3	0	0	0	0	0	0
18:00	4	41.0	26.4	14.1	1	0	0	1	0	0	2	0	0	0	0	0
19:00	2	32.5	32.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
20:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
21:00	1	-	22.5	-	0	0	0	1	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)	13	30.7	22.5	7.9	0	4	1	1	5	2	0	0	0	0	0	0
2H(14-16)	14	31.9	23.9	7.7	0	3	0	5	3	2	1	0	0	0	0	0
12H(7-19)	63	33.5	24.5	8.7	1	12	6	14	10	14	5	0	1	0	0	0
24H(0-24)	69	33.8	24.9	8.6	1	12	6	16	11	16	6	0	1	0	0	0
AM Peak	11:00	08:00	06:00	08:00	00:00	11:00	08:00	09:00	11:00	07:00	06:00	00:00	08:00	00:00	00:00	00:00
	10	39.2	37.5	12.9	0	4	2	1	4	2	1	0	1	0	0	0
PM Peak	14:00	18:00	19:00	18:00	18:00	13:00	12:00	14:00	14:00	17:00	13:00	12:00	12:00	12:00	12:00	12:00
	10	41.0	32.5	14.1	1	2	1	3	2	3	2	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	2	0	0	0	0	0	0	0	0
06:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
07:00	5	36.2	32.5	3.5	0	0	0	0	1	3	1	0	0	0	0	0
08:00	11	41.3	28.4	12.4	0	1	2	2	2	2	0	0	1	1	0	0
09:00	8	34.0	26.3	7.4	0	0	2	2	1	2	1	0	0	0	0	0
10:00	15	33.9	23.9	9.7	1	4	0	1	4	4	1	0	0	0	0	0
11:00	17	29.2	22.2	6.7	0	4	2	3	7	1	0	0	0	0	0	0
12:00	9	33.2	22.5	10.3	0	3	1	2	1	1	0	1	0	0	0	0
13:00	11	38.4	26.1	11.9	0	3	1	1	2	1	2	0	1	0	0	0
14:00	20	35.4	26.3	8.9	0	4	0	4	5	4	2	1	0	0	0	0
15:00	6	39.8	27.5	11.8	0	1	0	2	1	1	0	0	1	0	0	0
16:00	9	35.0	29.7	5.1	0	0	0	2	2	4	1	0	0	0	0	0
17:00	15	33.0	24.5	8.2	0	3	1	4	2	4	1	0	0	0	0	0
18:00	7	41.1	29.0	11.7	1	0	0	2	0	0	4	0	0	0	0	0
19:00	3	33.8	30.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
20:00	4	32.6	23.8	8.5	0	1	0	1	1	1	0	0	0	0	0	0
21:00	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
22:00	1	-	22.5	-	0	0	0	1	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)	32	31.4	23.0	8.1	1	8	2	4	11	5	1	0	0	0	0	0
2H(14-16)	26	36.3	26.5	9.4	0	5	0	6	6	5	2	1	1	0	0	0
12H(7-19)	133	35.5	25.9	9.3	2	23	9	25	28	27	13	2	3	1	0	0
24H(0-24)	147	35.4	26.0	9.0	2	24	9	30	30	32	14	2	3	1	0	0
AM Peak	11:00 17	08:00 41.3	06:00 35.0	08:00 12.4	10:00 1	10:00 4	08:00 2	11:00 3	11:00 7	10:00 4	06:00 1	00:00 0	08:00 1	08:00 1	00:00 0	00:00 0
PM Peak	14:00 20	18:00 41.1	19:00 30.8	13:00 11.9	18:00 1	14:00 4	12:00 1	14:00 4	14:00 5	14:00 4	18:00 4	12:00 1	13:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
06:00	1	-	8.0	-	1	0	0	0	0	0	0	0	0	0	0	0
07:00	3	32.7	27.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
08:00	6	36.4	25.9	10.2	1	0	0	1	2	1	1	0	0	0	0	0
09:00	8	34.0	26.3	7.4	0	1	1	0	3	3	0	0	0	0	0	0
10:00	5	39.7	28.5	10.8	0	1	0	0	2	1	0	1	0	0	0	0
11:00	7	29.9	21.1	8.5	0	2	1	3	0	0	1	0	0	0	0	0
12:00	7	33.8	26.1	7.5	0	0	2	1	2	1	1	0	0	0	0	0
13:00	8	32.9	22.5	10.0	0	1	4	1	0	1	0	1	0	0	0	0
14:00	8	42.8	33.8	8.8	0	0	1	0	2	0	3	2	0	0	0	0
15:00	12	40.7	28.8	11.5	0	2	0	3	2	2	1	0	2	0	0	0
16:00	9	33.8	23.1	10.3	1	1	1	3	1	1	0	1	0	0	0	0
17:00	8	35.0	24.4	10.2	1	0	1	3	1	1	0	1	0	0	0	0
18:00	3	42.9	32.5	10.0	0	0	0	1	0	1	0	1	0	0	0	0
19:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
20:00	6	31.2	22.5	8.4	0	1	2	1	0	2	0	0	0	0	0	0
21:00	3	33.8	30.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
22:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	12	34.4	24.2	9.8	0	3	1	3	2	1	1	1	0	0	0	0
2H(14-16)	20	41.7	30.8	10.5	0	2	1	3	4	2	4	2	2	0	0	0
12H(7-19)	84	36.4	26.4	9.7	3	8	11	17	16	13	7	7	2	0	0	0
24H(0-24)	98	36.0	26.2	9.5	4	9	13	19	18	19	7	7	2	0	0	0
AM Peak	09:00 8	10:00 39.7	10:00 28.5	10:00 10.8	06:00 1	11:00 2	09:00 1	11:00 3	09:00 3	09:00 3	08:00 1	10:00 1	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	15:00 12	18:00 42.9	14:00 33.8	15:00 11.5	16:00 1	15:00 2	13:00 4	15:00 3	12:00 2	15:00 2	14:00 3	14:00 2	15:00 2	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
07:00	2	46.0	35.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
08:00	4	31.7	25.0	6.5	0	0	1	1	1	1	0	0	0	0	0	0
09:00	8	27.3	20.0	7.1	0	2	3	1	1	1	0	0	0	0	0	0
10:00	6	27.7	21.7	5.8	0	1	1	2	2	0	0	0	0	0	0	0
11:00	8	33.6	23.1	10.2	0	2	2	1	1	0	2	0	0	0	0	0
12:00	4	34.9	25.0	9.6	0	0	2	0	1	0	1	0	0	0	0	0
13:00	3	30.2	24.2	5.8	0	0	1	0	2	0	0	0	0	0	0	0
14:00	8	34.3	24.4	9.6	0	1	3	0	2	0	2	0	0	0	0	0
15:00	10	40.4	28.5	11.5	0	1	2	1	2	1	1	1	1	0	0	0
16:00	8	28.8	20.0	8.5	0	2	4	0	1	0	1	0	0	0	0	0
17:00	9	28.1	19.2	8.6	1	3	1	1	2	1	0	0	0	0	0	0
18:00	8	31.5	21.3	9.8	1	1	2	2	0	1	1	0	0	0	0	0
19:00	4	43.6	33.8	9.5	0	0	0	0	2	1	0	0	1	0	0	0
20:00	3	41.2	27.5	13.2	0	0	1	1	0	0	0	1	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	14	31.1	22.5	8.3	0	3	3	3	3	0	2	0	0	0	0	0
2H(14-16)	18	37.7	26.7	10.6	0	2	5	1	4	1	3	1	1	0	0	0
12H(7-19)	78	32.5	23.1	9.1	2	13	22	9	16	5	8	2	1	0	0	0
24H(0-24)	87	33.5	23.7	9.4	2	14	23	10	18	7	8	3	2	0	0	0
AM Peak	09:00	07:00	07:00	07:00	00:00	09:00	09:00	10:00	10:00	06:00	11:00	07:00	00:00	00:00	00:00	00:00
	8	46.0	35.0	10.6	0	2	3	2	2	1	2	1	0	0	0	0
PM Peak	15:00	19:00	19:00	20:00	17:00	17:00	16:00	18:00	13:00	15:00	14:00	15:00	15:00	12:00	12:00	12:00
	10	43.6	33.8	13.2	1	3	4	2	2	1	2	1	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
06:00	2	38.2	20.3	17.3	1	0	0	0	0	1	0	0	0	0	0	0
07:00	5	38.4	30.5	7.6	0	0	0	1	2	1	0	1	0	0	0	0
08:00	10	34.3	25.6	8.4	1	0	1	2	3	2	1	0	0	0	0	0
09:00	16	31.1	23.1	7.7	0	3	4	1	4	4	0	0	0	0	0	0
10:00	11	33.9	24.8	8.8	0	2	1	2	4	1	0	1	0	0	0	0
11:00	15	31.7	22.2	9.2	0	4	3	4	1	0	3	0	0	0	0	0
12:00	11	33.8	25.7	7.8	0	0	4	1	3	1	2	0	0	0	0	0
13:00	11	32.1	23.0	8.8	0	1	5	1	2	1	0	1	0	0	0	0
14:00	16	39.5	29.1	10.1	0	1	4	0	4	0	5	2	0	0	0	0
15:00	22	40.3	28.6	11.2	0	3	2	4	4	3	2	1	3	0	0	0
16:00	17	31.3	21.6	9.3	1	3	5	3	2	1	1	1	0	0	0	0
17:00	17	31.5	21.7	9.5	2	3	2	4	3	2	0	1	0	0	0	0
18:00	11	35.5	24.4	10.7	1	1	2	3	0	2	1	1	0	0	0	0
19:00	5	42.0	33.5	8.2	0	0	0	0	2	2	0	0	1	0	0	0
20:00	9	34.2	24.2	9.7	0	1	3	2	0	2	0	1	0	0	0	0
21:00	3	33.8	30.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
22:00	2	31.0	20.0	10.6	0	1	0	0	1	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)	26	32.5	23.3	8.9	0	6	4	6	5	1	3	1	0	0	0	0
2H(14-16)	38	39.8	28.8	10.6	0	4	6	4	8	3	7	3	3	0	0	0
12H(7-19)	162	34.7	24.8	9.5	5	21	33	26	32	18	15	9	3	0	0	0
24H(0-24)	185	34.9	25.0	9.5	6	23	36	29	36	26	15	10	4	0	0	0
AM Peak	09:00	07:00	07:00	06:00	06:00	11:00	09:00	11:00	09:00	09:00	11:00	07:00	00:00	00:00	00:00	00:00
	16	38.4	30.5	17.3	1	4	4	4	4	4	3	1	0	0	0	0
PM Peak	15:00	19:00	19:00	15:00	17:00	15:00	13:00	15:00	14:00	15:00	14:00	14:00	15:00	12:00	12:00	12:00
	22	42.0	33.5	11.2	2	3	5	4	4	3	5	2	3	0	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	1	0	0	0	0	0	0	0
06:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
07:00	5	32.5	25.5	6.7	0	0	1	2	0	2	0	0	0	0	0	0
08:00	8	37.9	28.1	9.4	0	0	1	3	1	2	0	0	1	0	0	0
09:00	5	33.4	25.5	7.6	0	0	1	2	1	0	1	0	0	0	0	0
10:00	7	38.1	26.9	10.8	1	0	0	2	1	2	0	1	0	0	0	0
11:00	8	38.2	28.8	9.2	0	1	0	2	1	1	3	0	0	0	0	0
12:00	6	38.2	29.2	8.8	0	0	0	3	1	0	1	1	0	0	0	0
13:00	6	30.5	20.8	9.3	0	3	0	0	2	1	0	0	0	0	0	0
14:00	2	37.2	22.5	14.1	0	1	0	0	0	1	0	0	0	0	0	0
15:00	4	38.7	33.8	4.8	0	0	0	0	1	1	2	0	0	0	0	0
16:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
17:00	5	36.4	30.5	5.7	0	0	0	1	1	2	1	0	0	0	0	0
18:00	5	35.8	31.5	4.2	0	0	0	0	2	2	1	0	0	0	0	0
19:00	4	40.5	25.0	15.0	0	2	0	0	0	1	0	1	0	0	0	0
20:00	3	37.1	29.2	7.6	0	0	0	1	1	0	1	0	0	0	0	0
21:00	1	-	42.5	-	0	0	0	0	0	0	0	1	0	0	0	0
22:00	3	36.5	27.5	8.7	0	0	0	2	0	0	1	0	0	0	0	0
23:00	4	26.7	22.5	4.1	0	0	1	2	1	0	0	0	0	0	0	0
Total																
2H(10-12)	15	37.9	27.9	9.6	1	1	0	4	2	3	3	1	0	0	0	0
2H(14-16)	6	39.7	30.0	9.4	0	1	0	0	1	2	2	0	0	0	0	0
12H(7-19)	63	36.2	27.6	8.3	1	5	3	16	12	14	9	2	1	0	0	0
24H(0-24)	80	36.2	27.4	8.5	1	7	4	21	16	15	11	4	1	0	0	0
AM Peak	08:00	11:00	11:00	10:00	10:00	11:00	07:00	08:00	05:00	07:00	11:00	10:00	08:00	00:00	00:00	00:00
	8	38.2	28.8	10.8	1	1	1	3	1	2	3	1	1	0	0	0
PM Peak	12:00	19:00	21:00	19:00	12:00	13:00	23:00	12:00	13:00	17:00	15:00	12:00	12:00	12:00	12:00	12:00
	6	40.5	42.5	15.0	0	3	1	3	2	2	2	1	0	0	0	0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	1	-	52.5	-	0	0	0	0	0	0	0	0	0	1	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	5	33.9	24.5	9.1	0	1	0	2	1	0	1	0	0	0	0	0
08:00	6	37.0	29.2	7.5	0	0	1	0	3	0	2	0	0	0	0	0
09:00	2	29.8	22.5	7.1	0	0	1	0	1	0	0	0	0	0	0	0
10:00	10	30.7	23.6	6.9	1	0	0	6	1	2	0	0	0	0	0	0
11:00	6	34.3	25.8	8.2	0	0	2	1	1	1	1	0	0	0	0	0
12:00	9	36.8	27.5	9.0	0	0	1	4	2	0	0	2	0	0	0	0
13:00	3	31.6	20.8	10.4	0	1	1	0	0	1	0	0	0	0	0	0
14:00	7	38.1	26.9	10.8	1	0	0	2	1	2	0	1	0	0	0	0
15:00	3	27.1	19.2	7.6	0	1	1	0	1	0	0	0	0	0	0	0
16:00	5	37.2	31.5	5.5	0	0	0	1	0	3	1	0	0	0	0	0
17:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
18:00	5	34.2	28.5	5.5	0	0	0	2	0	3	0	0	0	0	0	0
19:00	3	36.8	30.8	5.8	0	0	0	0	2	0	1	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	-	42.5	-	0	0	0	0	0	0	0	1	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)	16	31.9	24.4	7.2	1	0	2	7	2	3	1	0	0	0	0	0
2H(14-16)	10	35.2	24.6	10.2	1	1	1	2	2	2	0	1	0	0	0	0
12H(7-19)	63	34.8	26.3	8.1	2	3	7	18	11	13	6	3	0	0	0	0
24H(0-24)	68	36.2	27.1	8.7	2	3	7	18	13	13	7	4	0	1	0	0
AM Peak	10:00 10	08:00 37.0	02:00 52.5	07:00 9.1	10:00 1	07:00 1	11:00 2	10:00 6	08:00 3	10:00 2	08:00 2	00:00 0	00:00 0	02:00 1	00:00 0	00:00 0
PM Peak	12:00 9	17:00 38.7	21:00 42.5	14:00 10.8	14:00 1	13:00 1	12:00 1	12:00 4	12:00 2	16:00 3	16:00 1	12:00 2	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	1	-	52.5	-	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0
06:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
07:00	10	32.8	25.0	7.5	0	1	1	4	1	2	1	0	0	0	0	0
08:00	14	37.2	28.6	8.4	0	0	2	3	4	2	2	0	1	0	0	0
09:00	7	31.9	24.6	7.0	0	0	2	2	2	0	1	0	0	0	0	0
10:00	17	33.8	24.9	8.6	2	0	0	8	2	4	0	1	0	0	0	0
11:00	14	36.4	27.5	8.5	0	1	2	3	2	2	4	0	0	0	0	0
12:00	15	37.1	28.2	8.6	0	0	1	7	3	0	1	3	0	0	0	0
13:00	9	30.2	20.8	9.0	0	4	1	0	2	2	0	0	0	0	0	0
14:00	9	37.1	25.9	10.8	1	1	0	2	1	3	0	1	0	0	0	0
15:00	7	37.4	27.5	9.6	0	1	1	0	2	1	2	0	0	0	0	0
16:00	7	35.5	29.6	5.7	0	0	0	2	1	3	1	0	0	0	0	0
17:00	7	37.3	31.8	5.3	0	0	0	1	1	3	2	0	0	0	0	0
18:00	10	35.0	30.0	4.9	0	0	0	2	2	5	1	0	0	0	0	0
19:00	7	39.5	27.5	11.5	0	2	0	0	2	1	1	1	0	0	0	0
20:00	3	37.1	29.2	7.6	0	0	0	1	1	0	1	0	0	0	0	0
21:00	2	42.5	42.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
22:00	3	36.5	27.5	8.7	0	0	0	2	0	0	1	0	0	0	0	0
23:00	4	26.7	22.5	4.1	0	0	1	2	1	0	0	0	0	0	0	0
Total																
2H(10-12)	31	34.9	26.1	8.5	2	1	2	11	4	6	4	1	0	0	0	0
2H(14-16)	16	36.9	26.6	10.0	1	2	1	2	3	4	2	1	0	0	0	0
12H(7-19)	126	35.5	27.0	8.2	3	8	10	34	23	27	15	5	1	0	0	0
24H(0-24)	148	36.2	27.3	8.6	3	10	11	39	29	28	18	8	1	1	0	0
AM Peak	10:00	08:00	02:00	10:00	10:00	07:00	08:00	10:00	08:00	10:00	11:00	10:00	08:00	02:00	00:00	00:00
	17	37.2	52.5	8.6	2	1	2	8	4	4	4	1	1	1	0	0
PM Peak	12:00	21:00	21:00	19:00	14:00	13:00	12:00	12:00	12:00	18:00	15:00	12:00	12:00	12:00	12:00	12:00
	15	42.5	42.5	11.5	1	4	1	7	3	5	2	3	0	0	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
07:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
08:00	5	32.0	23.5	8.2	0	0	3	0	0	2	0	0	0	0	0	0
09:00	9	38.6	28.1	10.1	0	2	0	0	3	2	1	1	0	0	0	0
10:00	6	28.2	19.2	8.8	0	3	1	0	1	1	0	0	0	0	0	0
11:00	12	23.9	17.1	6.5	1	5	2	2	2	0	0	0	0	0	0	0
12:00	7	29.4	21.8	7.3	0	1	3	0	2	1	0	0	0	0	0	0
13:00	5	34.7	23.5	10.8	0	1	2	0	0	1	1	0	0	0	0	0
14:00	5	35.7	27.5	7.9	0	0	1	1	1	1	1	0	0	0	0	0
15:00	5	41.9	30.5	11.0	0	0	1	0	2	1	0	0	1	0	0	0
16:00	5	22.3	14.7	7.4	2	1	0	2	0	0	0	0	0	0	0	0
17:00	10	39.8	28.0	11.4	0	2	2	0	0	1	5	0	0	0	0	0
18:00	4	30.2	17.8	12.0	2	0	0	1	0	1	0	0	0	0	0	0
19:00	2	22.5	22.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
20:00	3	37.9	27.5	10.0	0	0	1	0	1	0	1	0	0	0	0	0
21:00	2	44.8	37.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
22:00	1	-	32.5	-	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)	18	25.2	17.8	7.1	1	8	3	2	3	1	0	0	0	0	0	0
2H(14-16)	10	38.5	29.0	9.1	0	0	2	1	3	2	1	0	1	0	0	0
12H(7-19)	74	33.3	23.0	9.9	5	15	15	6	12	11	8	1	1	0	0	0
24H(0-24)	84	33.9	23.7	9.8	5	15	17	8	13	14	9	2	1	0	0	0
AM Peak	11:00	09:00	06:00	09:00	11:00	11:00	08:00	11:00	09:00	08:00	09:00	09:00	00:00	00:00	00:00	00:00
	12	38.6	32.5	10.1	1	5	3	2	3	2	1	1	0	0	0	0
PM Peak	17:00	21:00	21:00	18:00	16:00	17:00	12:00	16:00	12:00	12:00	17:00	21:00	15:00	12:00	12:00	12:00
	10	44.8	37.5	12.0	2	2	3	2	2	1	5	1	1	0	0	0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	2	12.5	12.5	0.0	0	2	0	0	0	0	0	0	0	0	0	0
03:00	5	34.8	27.5	7.1	0	0	0	3	0	1	1	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	1	0	0	0	0	0	0	0	0	0
07:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
08:00	4	34.9	25.0	9.6	0	1	0	1	0	2	0	0	0	0	0	0
09:00	6	29.3	21.7	7.4	0	2	0	1	3	0	0	0	0	0	0	0
10:00	3	35.0	24.2	10.4	0	1	0	0	1	1	0	0	0	0	0	0
11:00	11	25.1	19.3	5.6	0	3	3	3	2	0	0	0	0	0	0	0
12:00	5	17.6	12.7	4.8	2	1	2	0	0	0	0	0	0	0	0	0
13:00	6	29.3	21.7	7.4	0	1	2	1	1	1	0	0	0	0	0	0
14:00	3	18.8	15.8	2.9	0	1	2	0	0	0	0	0	0	0	0	0
15:00	4	31.0	22.5	8.2	0	1	0	2	0	1	0	0	0	0	0	0
16:00	11	27.1	19.3	7.5	0	3	5	1	1	0	1	0	0	0	0	0
17:00	6	32.8	22.6	9.9	1	0	1	2	1	0	1	0	0	0	0	0
18:00	4	16.3	13.8	2.5	0	3	1	0	0	0	0	0	0	0	0	0
19:00	3	42.9	32.5	10.0	0	0	0	1	0	1	0	1	0	0	0	0
20:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	3	32.7	27.5	5.0	0	0	0	1	1	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)	14	27.3	20.4	6.7	0	4	3	3	3	1	0	0	0	0	0	0
2H(14-16)	7	26.9	19.6	7.0	0	2	2	2	0	1	0	0	0	0	0	0
12H(7-19)	64	27.9	20.0	7.6	3	17	16	11	9	6	2	0	0	0	0	0
24H(0-24)	79	29.6	21.2	8.1	3	19	17	16	10	10	3	1	0	0	0	0
AM Peak	11:00	10:00	07:00	10:00	00:00	11:00	11:00	03:00	09:00	08:00	03:00	00:00	00:00	00:00	00:00	00:00
	11	35.0	32.5	10.4	0	3	3	3	3	2	1	0	0	0	0	0
PM Peak	16:00	19:00	19:00	19:00	12:00	16:00	16:00	15:00	13:00	13:00	16:00	19:00	12:00	12:00	12:00	12:00
	11	42.9	32.5	10.0	2	3	5	2	1	1	1	1	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	2	12.5	12.5	0.0	0	2	0	0	0	0	0	0	0	0	0	0
03:00	5	34.8	27.5	7.1	0	0	0	3	0	1	1	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	2	36.0	25.0	10.6	0	0	1	0	0	1	0	0	0	0	0	0
07:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
08:00	9	32.8	24.2	8.3	0	1	3	1	0	4	0	0	0	0	0	0
09:00	15	35.3	25.5	9.4	0	4	0	1	6	2	1	1	0	0	0	0
10:00	9	30.2	20.8	9.0	0	4	1	0	2	2	0	0	0	0	0	0
11:00	23	24.4	18.2	6.0	1	8	5	5	4	0	0	0	0	0	0	0
12:00	12	26.0	18.0	7.7	2	2	5	0	2	1	0	0	0	0	0	0
13:00	11	31.5	22.5	8.7	0	2	4	1	1	2	1	0	0	0	0	0
14:00	8	32.1	23.1	8.6	0	1	3	1	1	1	1	0	0	0	0	0
15:00	9	37.5	26.9	10.1	0	1	1	2	2	2	0	0	1	0	0	0
16:00	16	25.7	17.9	7.5	2	4	5	3	1	0	1	0	0	0	0	0
17:00	16	37.2	26.0	10.9	1	2	3	2	1	1	6	0	0	0	0	0
18:00	8	24.3	15.8	8.3	2	3	1	1	0	1	0	0	0	0	0	0
19:00	5	37.8	28.5	8.9	0	0	0	3	0	1	0	1	0	0	0	0
20:00	4	37.6	28.8	8.5	0	0	1	0	1	1	1	0	0	0	0	0
21:00	2	44.8	37.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
22:00	4	33.7	28.8	4.8	0	0	0	1	1	2	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)	32	26.1	18.9	7.0	1	12	6	5	6	2	0	0	0	0	0	0
2H(14-16)	17	34.9	25.1	9.4	0	2	4	3	3	3	1	0	1	0	0	0
12H(7-19)	138	30.9	21.6	9.0	8	32	31	17	21	17	10	1	1	0	0	0
24H(0-24)	163	31.9	22.5	9.1	8	34	34	24	23	24	12	3	1	0	0	0
AM Peak	11:00	06:00	07:00	06:00	11:00	11:00	11:00	11:00	09:00	08:00	03:00	09:00	00:00	00:00	00:00	00:00
	23	36.0	30.0	10.6	1	8	5	5	6	4	1	1	0	0	0	0
PM Peak	16:00	21:00	21:00	17:00	12:00	16:00	12:00	16:00	12:00	13:00	17:00	19:00	15:00	12:00	12:00	12:00
	16	44.8	37.5	10.9	2	4	5	3	2	2	6	1	1	0	0	0

Paul Castle Associates

Tween Bridge ATC 7, High Bridge Road

Direction: Southeastbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	41.0	30.0	10.6	0	0	0	1	0	0	1	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	46.0	35.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
08:00	10	35.2	26.5	8.4	0	1	1	2	3	2	0	1	0	0	0	0
09:00	5	33.8	27.5	6.1	0	0	0	2	2	0	1	0	0	0	0	0
10:00	13	34.8	27.2	7.4	1	0	1	1	4	6	0	0	0	0	0	0
11:00	10	26.6	20.5	5.9	0	3	0	5	2	0	0	0	0	0	0	0
12:00	10	32.0	23.0	8.6	0	2	2	3	0	2	1	0	0	0	0	0
13:00	8	39.4	30.6	8.4	0	0	1	1	2	1	2	1	0	0	0	0
14:00	9	34.5	24.2	10.0	0	1	3	2	1	0	1	1	0	0	0	0
15:00	3	43.0	27.5	15.0	0	1	0	0	1	0	0	1	0	0	0	0
16:00	5	41.4	29.5	11.5	0	0	1	1	1	1	0	0	1	0	0	0
17:00	7	42.9	30.4	12.0	1	0	0	0	2	2	1	0	1	0	0	0
18:00	7	42.2	28.9	12.8	0	2	0	0	1	2	1	0	1	0	0	0
19:00	4	38.7	33.8	4.8	0	0	0	0	1	1	2	0	0	0	0	0
20:00	3	44.1	29.2	14.4	0	1	0	0	0	0	2	0	0	0	0	0
21:00	2	46.0	35.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
22:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	23	32.0	24.3	7.4	1	3	1	6	6	6	0	0	0	0	0	0
2H(14-16)	12	36.2	25.0	10.8	0	2	3	2	2	0	1	2	0	0	0	0
12H(7-19)	89	36.3	26.6	9.3	2	10	9	17	20	16	7	5	3	0	0	0
24H(0-24)	101	36.9	27.1	9.5	2	12	9	18	22	17	12	6	3	0	0	0
AM Peak	10:00	07:00	07:00	05:00	10:00	11:00	08:00	11:00	10:00	10:00	05:00	07:00	00:00	00:00	00:00	00:00
	13	46.0	35.0	10.6	1	3	1	5	4	6	1	1	0	0	0	0
PM Peak	12:00	21:00	21:00	15:00	17:00	12:00	14:00	12:00	13:00	12:00	13:00	13:00	16:00	12:00	12:00	12:00
	10	46.0	35.0	15.0	1	2	3	3	2	2	2	1	1	0	0	0

Paul Castle Associates

Direction: Northwestbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
06:00	2	49.5	27.5	21.2	0	1	0	0	0	0	0	1	0	0	0	0
07:00	1	-	47.5	-	0	0	0	0	0	0	0	0	1	0	0	0
08:00	7	33.3	23.2	9.8	0	1	2	2	1	0	0	1	0	0	0	0
09:00	6	29.8	22.5	7.1	0	1	1	2	1	1	0	0	0	0	0	0
10:00	9	25.5	20.3	5.1	0	1	4	2	2	0	0	0	0	0	0	0
11:00	12	29.3	19.7	9.3	2	2	3	2	1	1	1	0	0	0	0	0
12:00	11	26.5	18.9	7.4	1	3	3	0	4	0	0	0	0	0	0	0
13:00	8	29.4	21.3	7.9	0	2	1	4	0	0	1	0	0	0	0	0
14:00	7	28.2	21.1	6.9	0	2	1	1	3	0	0	0	0	0	0	0
15:00	2	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
16:00	3	46.5	37.5	8.7	0	0	0	0	1	0	0	2	0	0	0	0
17:00	8	32.9	25.6	7.0	0	0	2	2	2	1	1	0	0	0	0	0
18:00	5	37.0	28.5	8.2	0	0	1	1	0	2	1	0	0	0	0	0
19:00	2	43.3	25.0	17.7	0	1	0	0	0	0	1	0	0	0	0	0
20:00	4	24.8	17.5	7.1	0	2	1	0	1	0	0	0	0	0	0	0
21:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	2	28.7	25.0	3.5	0	0	0	1	1	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)	21	27.8	19.9	7.6	2	3	7	4	3	1	1	0	0	0	0	0
2H(14-16)	9	26.6	19.7	6.7	0	3	2	1	3	0	0	0	0	0	0	0
12H(7-19)	79	31.6	22.5	8.8	3	13	19	16	15	5	4	3	1	0	0	0
24H(0-24)	91	32.0	22.7	9.0	3	17	20	17	18	6	5	4	1	0	0	0
AM Peak	11:00 12	06:00 49.5	07:00 47.5	06:00 21.2	11:00 2	11:00 2	10:00 4	08:00 2	10:00 2	05:00 1	11:00 1	06:00 1	07:00 1	00:00 0	00:00 0	00:00 0
PM Peak	12:00 11	16:00 46.5	16:00 37.5	19:00 17.7	12:00 1	12:00 3	12:00 3	13:00 4	12:00 4	18:00 2	13:00 1	16:00 2	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	3	38.7	30.8	7.6	0	0	0	1	0	1	1	0	0	0	0	0
06:00	2	49.5	27.5	21.2	0	1	0	0	0	0	0	1	0	0	0	0
07:00	3	50.0	39.2	10.4	0	0	0	0	1	0	0	1	1	0	0	0
08:00	17	34.3	25.1	8.9	0	2	3	4	4	2	0	2	0	0	0	0
09:00	11	31.9	24.8	6.8	0	1	1	4	3	1	1	0	0	0	0	0
10:00	22	31.9	24.3	7.3	1	1	5	3	6	6	0	0	0	0	0	0
11:00	22	28.1	20.0	7.8	2	5	3	7	3	1	1	0	0	0	0	0
12:00	21	29.2	20.9	8.1	1	5	5	3	4	2	1	0	0	0	0	0
13:00	16	35.5	25.9	9.3	0	2	2	5	2	1	3	1	0	0	0	0
14:00	16	31.8	22.8	8.7	0	3	4	3	4	0	1	1	0	0	0	0
15:00	5	35.7	22.5	12.7	0	2	1	0	1	0	0	1	0	0	0	0
16:00	8	43.6	32.5	10.7	0	0	1	1	2	1	0	2	1	0	0	0
17:00	15	37.9	27.9	9.6	1	0	2	2	4	3	2	0	1	0	0	0
18:00	12	39.8	28.8	10.7	0	2	1	1	1	4	2	0	1	0	0	0
19:00	6	41.0	30.8	9.8	0	1	0	0	1	1	3	0	0	0	0	0
20:00	7	34.5	22.5	11.5	0	3	1	0	1	0	2	0	0	0	0	0
21:00	3	41.5	32.5	8.7	0	0	0	0	2	0	0	1	0	0	0	0
22:00	3	28.7	20.8	7.6	0	1	0	1	1	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)	44	30.2	22.2	7.7	3	6	8	10	9	7	1	0	0	0	0	0
2H(14-16)	21	32.5	22.7	9.4	0	5	5	3	5	0	1	2	0	0	0	0
12H(7-19)	168	34.3	24.7	9.3	5	23	28	33	35	21	11	8	4	0	0	0
24H(0-24)	192	34.8	25.0	9.5	5	29	29	35	40	23	17	10	4	0	0	0
AM Peak	10:00 22	07:00 50.0	07:00 39.2	06:00 21.2	11:00 2	11:00 5	10:00 5	11:00 7	10:00 6	10:00 6	05:00 1	08:00 2	07:00 1	00:00 0	00:00 0	00:00 0
PM Peak	12:00 21	16:00 43.6	16:00 32.5	15:00 12.7	12:00 1	12:00 5	12:00 5	13:00 5	12:00 4	18:00 4	13:00 3	16:00 2	16:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates



Appendix H: Automatic Traffic Survey Reports – Link 8

Tween Bank ATC 8, Green Bank Road



Direction: Northbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	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	0	0	0	0
06:00	2	1	1	0	1	0	1	1	1
07:00	4	8	4	6	5	1	4	5	5
08:00	5	3	5	0	1	2	1	3	2
09:00	6	6	2	6	3	4	2	4	4
10:00	5	1	5	3	3	6	2	3	4
11:00	1	4	0	1	0	0	3	2	1
12:00	3	4	1	4	5	2	0	2	3
13:00	9	2	3	1	2	2	3	4	3
14:00	2	1	6	3	4	0	2	3	3
15:00	4	5	6	3	2	2	0	4	3
16:00	2	3	1	2	2	2	4	2	2
17:00	3	3	2	5	1	1	3	3	3
18:00	1	1	4	5	2	1	4	3	3
19:00	0	2	0	3	0	2	0	1	1
20:00	0	0	0	1	1	2	1	0	1
21:00	0	0	0	1	1	0	1	0	0
22:00	0	0	0	0	1	1	0	0	0
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	45	41	39	39	30	23	28	38	35
16H(6-22)	47	44	40	44	33	27	31	41	38
18H(6-24)	47	44	40	44	34	28	31	41	38
24H(0-24)	48	44	40	44	34	28	31	41	38
AM Peak	09:00	07:00	08:00	07:00	07:00	10:00	07:00	07:00	07:00
	6	8	5	6	5	6	4	5	5
PM Peak	13:00	15:00	14:00	17:00	12:00	12:00	16:00	13:00	13:00
	9	5	6	5	5	2	4	4	3

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Direction: Southbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	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	3	2	2	2	1	0	2	2	2
06:00	1	0	1	1	0	1	0	1	1
07:00	2	2	0	2	3	0	2	2	2
08:00	4	5	5	3	112	3	2	4	19
09:00	6	4	4	3	60	6	2	4	12
10:00	4	2	2	3	13	3	2	3	4
11:00	2	3	3	3	3	4	1	2	3
12:00	6	2	2	3	1	4	1	3	3
13:00	4	5	3	4	4	3	4	4	4
14:00	4	4	6	9	4	2	3	5	5
15:00	6	2	6	4	1	3	4	4	4
16:00	8	5	2	3	2	4	4	4	4
17:00	4	4	5	5	3	7	6	5	5
18:00	1	2	5	1	2	3	3	2	2
19:00	2	2	1	0	1	0	0	1	1
20:00	0	2	1	1	2	2	2	1	1
21:00	1	0	0	1	2	0	1	1	1
22:00	1	1	0	1	0	0	1	1	1
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	51	40	43	43	208	42	34	42	66
16H(6-22)	55	44	46	46	213	45	37	46	69
18H(6-24)	56	45	46	47	213	45	38	46	70
24H(0-24)	59	47	48	49	214	45	40	49	72
AM Peak	09:00	08:00	08:00	08:00	08:00	09:00	05:00	08:00	08:00
	6	5	5	3	112	6	2	4	19
PM Peak	16:00	13:00	14:00	14:00	13:00	17:00	17:00	14:00	17:00
	8	5	6	9	4	7	6	5	5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	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	4	2	2	2	1	0	2	2	2
06:00	3	1	2	1	1	1	1	1	2
07:00	6	10	4	8	8	1	6	7	6
08:00	9	8	10	3	113	5	3	7	22
09:00	12	10	6	9	63	10	4	8	16
10:00	9	3	7	6	16	9	4	6	8
11:00	3	7	3	4	3	4	4	4	4
12:00	9	6	3	7	6	6	1	5	5
13:00	13	7	6	5	6	5	7	8	7
14:00	6	5	12	12	8	2	5	8	7
15:00	10	7	12	7	3	5	4	8	7
16:00	10	8	3	5	4	6	8	7	6
17:00	7	7	7	10	4	8	9	8	7
18:00	2	3	9	6	4	4	7	5	5
19:00	2	4	1	3	1	2	0	2	2
20:00	0	2	1	2	3	4	3	2	2
21:00	1	0	0	2	3	0	2	1	1
22:00	1	1	0	1	1	1	1	1	1
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	96	81	82	82	238	65	62	81	101
16H(6-22)	102	88	86	90	246	72	68	87	107
18H(6-24)	103	89	86	91	247	73	69	88	108
24H(0-24)	107	91	88	93	248	73	71	90	110
AM Peak	09:00	07:00	08:00	09:00	08:00	09:00	07:00	09:00	08:00
	12	10	10	9	113	10	6	8	22
PM Peak	13:00	16:00	14:00	14:00	14:00	17:00	17:00	14:00	17:00
	13	8	12	12	8	8	9	8	7

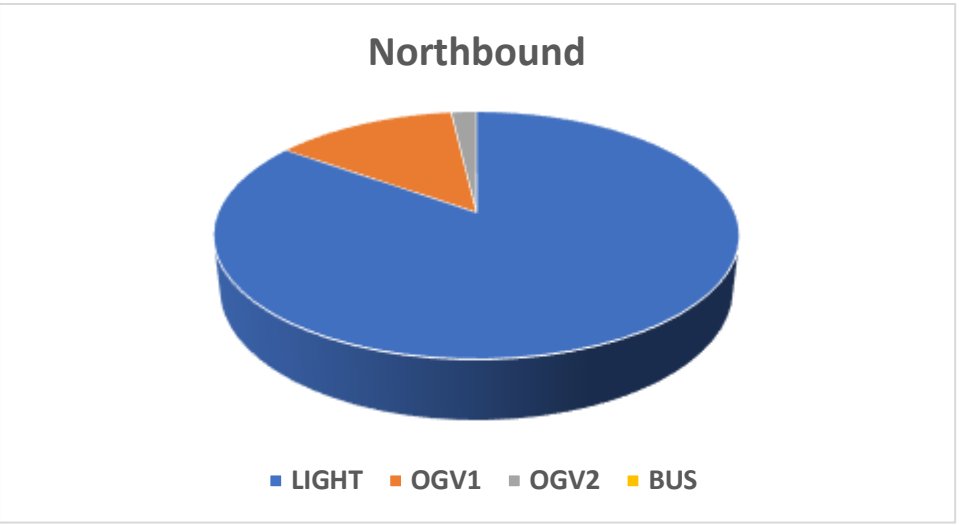
Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	48	40	7	1	0
Wed 7 Jun 2023	44	35	8	1	0
Thu 8 Jun 2023	40	35	5	0	0
Fri 9 Jun 2023	44	35	8	1	0
Sat 10 Jun 2023	34	31	3	0	0
Sun 11 Jun 2023	28	25	2	1	0
Mon 12 Jun 2023	31	27	3	1	0
5 Day Ave.	41	34	6	1	0
7 Day Ave.	38	33	5	1	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	83.3%	14.6%	2.1%	0.0%
Wed 7 Jun 2023	100.0%	79.5%	18.2%	2.3%	0.0%
Thu 8 Jun 2023	100.0%	87.5%	12.5%	0.0%	0.0%
Fri 9 Jun 2023	100.0%	79.5%	18.2%	2.3%	0.0%
Sat 10 Jun 2023	100.0%	91.2%	8.8%	0.0%	0.0%
Sun 11 Jun 2023	100.0%	89.3%	7.1%	3.6%	0.0%
Mon 12 Jun 2023	100.0%	87.1%	9.7%	3.2%	0.0%
5 Day Ave.	100.0%	83.1%	15.0%	1.9%	0.0%
7 Day Ave.	100.0%	84.8%	13.4%	1.9%	0.0%

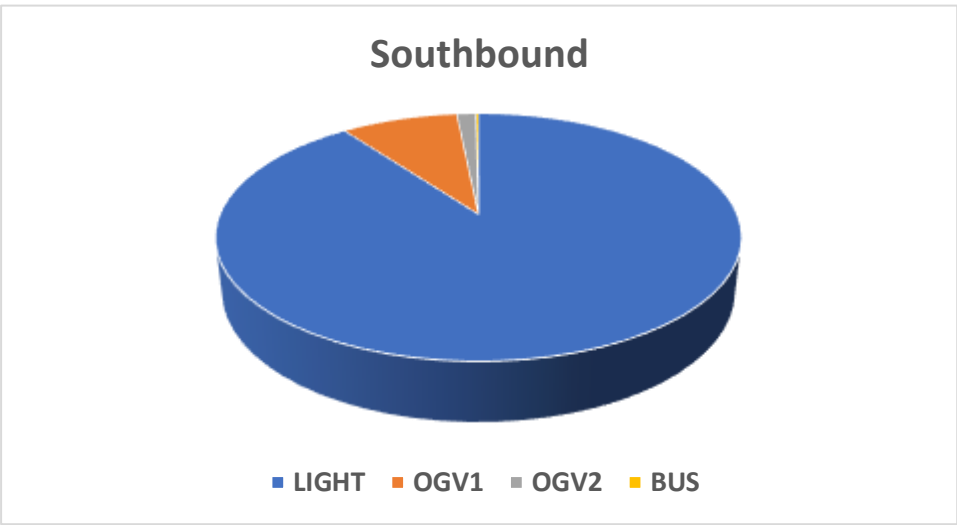
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Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	59	47	9	2	1
Wed 7 Jun 2023	47	38	9	0	0
Thu 8 Jun 2023	48	44	4	0	0
Fri 9 Jun 2023	49	39	10	0	0
Sat 10 Jun 2023	214	205	4	5	0
Sun 11 Jun 2023	45	44	1	0	0
Mon 12 Jun 2023	40	34	6	0	0
5 Day Ave.	49	40	8	0	0
7 Day Ave.	72	64	6	1	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	79.7%	15.3%	3.4%	1.7%
Wed 7 Jun 2023	100.0%	80.9%	19.1%	0.0%	0.0%
Thu 8 Jun 2023	100.0%	91.7%	8.3%	0.0%	0.0%
Fri 9 Jun 2023	100.0%	79.6%	20.4%	0.0%	0.0%
Sat 10 Jun 2023	100.0%	95.8%	1.9%	2.3%	0.0%
Sun 11 Jun 2023	100.0%	97.8%	2.2%	0.0%	0.0%
Mon 12 Jun 2023	100.0%	85.0%	15.0%	0.0%	0.0%
5 Day Ave.	100.0%	83.1%	15.6%	0.8%	0.4%
7 Day Ave.	100.0%	89.8%	8.6%	1.4%	0.2%

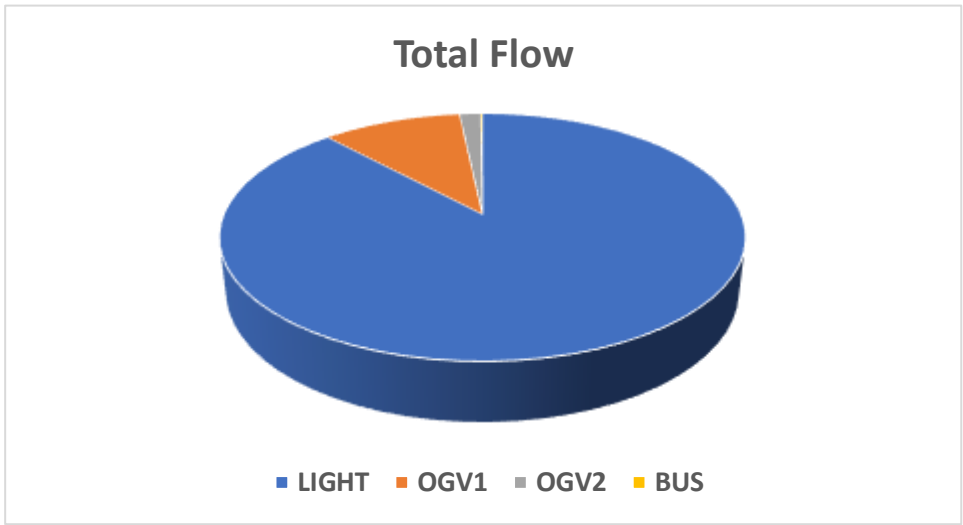
Paul Castle Associates



Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	107	87	16	3	1
Wed 7 Jun 2023	91	73	17	1	0
Thu 8 Jun 2023	88	79	9	0	0
Fri 9 Jun 2023	93	74	18	1	0
Sat 10 Jun 2023	248	236	7	5	0
Sun 11 Jun 2023	73	69	3	1	0
Mon 12 Jun 2023	71	61	9	1	0
5 Day Ave.	90	75	14	1	0
7 Day Ave.	110	97	11	2	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	81.3%	15.0%	2.8%	0.9%
Wed 7 Jun 2023	100.0%	80.2%	18.7%	1.1%	0.0%
Thu 8 Jun 2023	100.0%	89.8%	10.2%	0.0%	0.0%
Fri 9 Jun 2023	100.0%	79.6%	19.4%	1.1%	0.0%
Sat 10 Jun 2023	100.0%	95.2%	2.8%	2.0%	0.0%
Sun 11 Jun 2023	100.0%	94.5%	4.1%	1.4%	0.0%
Mon 12 Jun 2023	100.0%	85.9%	12.7%	1.4%	0.0%
5 Day Ave.	100.0%	83.1%	15.3%	1.3%	0.2%
7 Day Ave.	100.0%	88.1%	10.2%	1.6%	0.1%

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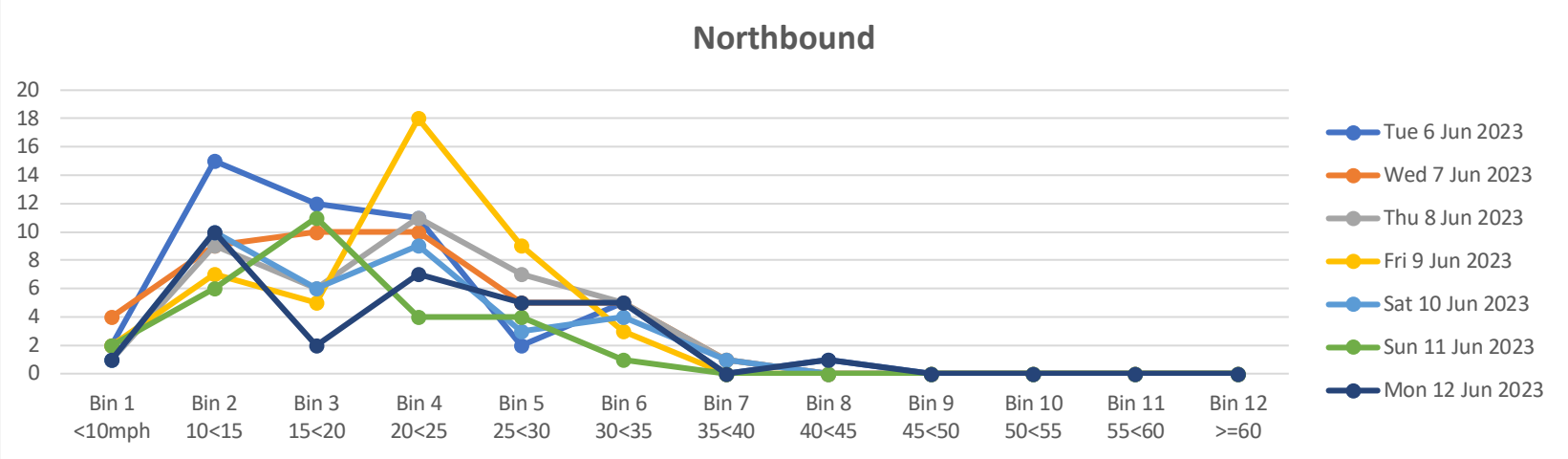


Tween Bank ATC 8, Green Bank Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	48	27.0	19.2	7.5	2	15	12	11	2	5	0	1	0	0	0	0
Wed 7 Jun 2023	44	28.1	20.0	7.7	4	9	10	10	5	5	1	0	0	0	0	0
Thu 8 Jun 2023	40	29.3	21.6	7.4	1	9	6	11	7	5	1	0	0	0	0	0
Fri 9 Jun 2023	44	27.9	21.4	6.3	2	7	5	18	9	3	0	0	0	0	0	0
Sat 10 Jun 2023	34	28.2	20.3	7.6	1	10	6	9	3	4	1	0	0	0	0	0
Sun 11 Jun 2023	28	24.8	18.4	6.2	2	6	11	4	4	1	0	0	0	0	0	0
Mon 12 Jun 2023	31	30.5	21.5	8.7	1	10	2	7	5	5	0	1	0	0	0	0
5 Day Ave.	41	28.6	20.8	7.5	2	10	7	11	6	5	0	0	0	0	0	0
7 Day Ave.	38	28.0	20.4	7.3	2	9	7	10	5	4	0	0	0	0	0	0

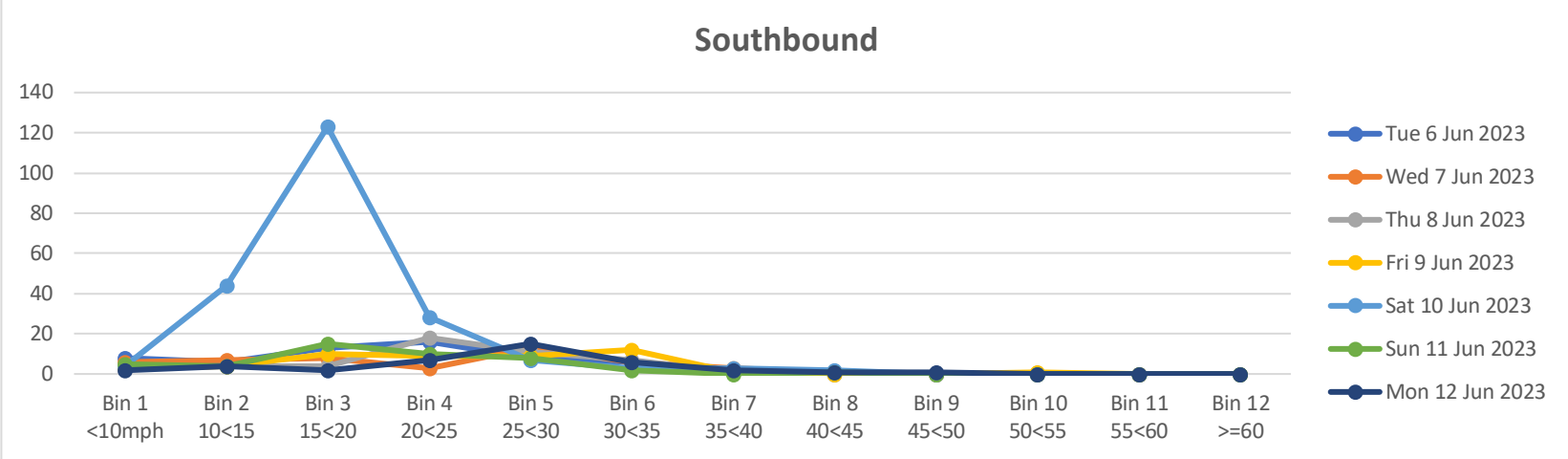
Paul Castle Associates



Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	59	29.1	20.7	8.1	8	6	13	16	8	6	1	1	0	0	0	0
Wed 7 Jun 2023	47	32.2	22.4	9.5	6	7	8	3	13	6	3	1	0	0	0	0
Thu 8 Jun 2023	48	30.5	23.3	7.0	3	4	4	18	11	7	1	0	0	0	0	0
Fri 9 Jun 2023	49	33.2	24.1	8.8	3	4	10	9	9	12	1	0	0	1	0	0
Sat 10 Jun 2023	214	23.5	18.0	5.3	4	44	123	28	7	3	3	2	0	0	0	0
Sun 11 Jun 2023	45	27.7	20.1	7.3	5	4	15	10	8	2	0	1	0	0	0	0
Mon 12 Jun 2023	40	34.7	25.8	8.6	2	4	2	7	15	6	2	1	1	0	0	0
5 Day Ave.	49	31.9	23.2	8.4	4	5	7	11	11	7	2	1	0	0	0	0
7 Day Ave.	72	30.1	22.0	7.8	4	10	25	13	10	6	2	1	0	0	0	0

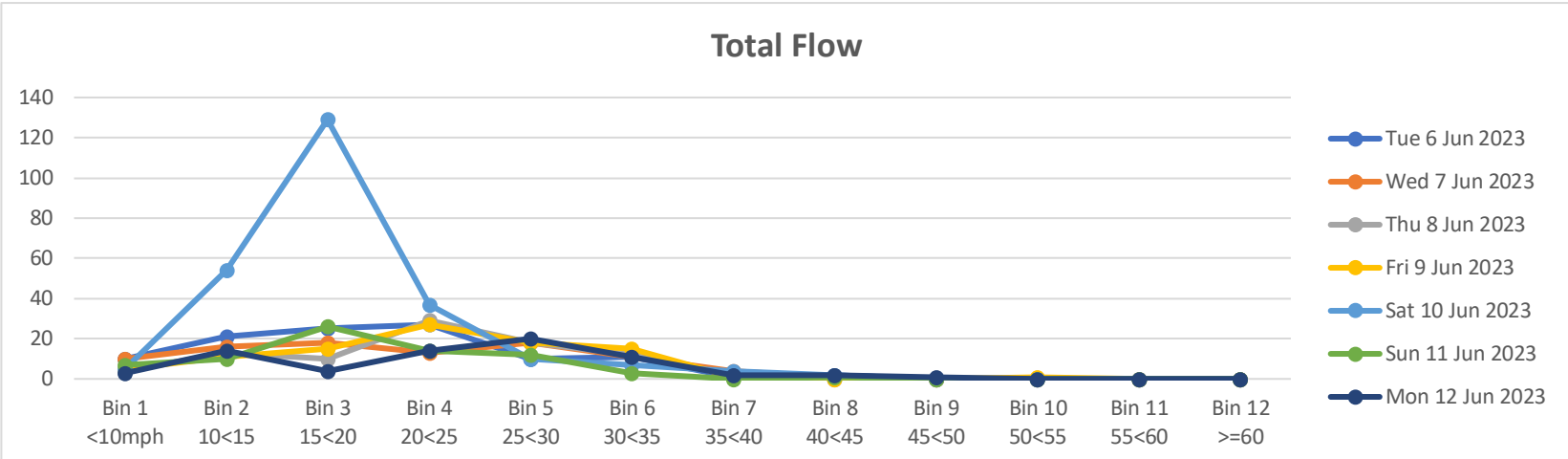
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	107	28.2	20.0	7.9	10	21	25	27	10	11	1	2	0	0	0	0
Wed 7 Jun 2023	91	30.3	21.2	8.7	10	16	18	13	18	11	4	1	0	0	0	0
Thu 8 Jun 2023	88	30.0	22.5	7.2	4	13	10	29	18	12	2	0	0	0	0	0
Fri 9 Jun 2023	93	30.9	22.8	7.8	5	11	15	27	18	15	1	0	0	1	0	0
Sat 10 Jun 2023	248	24.2	18.3	5.7	5	54	129	37	10	7	4	2	0	0	0	0
Sun 11 Jun 2023	73	26.6	19.5	6.9	7	10	26	14	12	3	0	1	0	0	0	0
Mon 12 Jun 2023	71	33.1	23.9	8.8	3	14	4	14	20	11	2	2	1	0	0	0
5 Day Ave.	90	30.5	22.1	8.1	6	15	14	22	17	12	2	1	0	0	0	0
7 Day Ave.	110	29.0	21.2	7.6	6	20	32	23	15	10	2	1	0	0	0	0

Paul Castle Associates



Tween Bank ATC 8, Green Bank Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	6	18.4	14.2	4.1	0	5	0	1	0	0	0	0	0	0	0	0
Wed 7 Jun 2023	5	22.7	17.5	5.0	0	2	1	2	0	0	0	0	0	0	0	0
Thu 8 Jun 2023	5	22.7	17.5	5.0	0	2	1	2	0	0	0	0	0	0	0	0
Fri 9 Jun 2023	4	23.5	17.5	5.8	0	2	0	2	0	0	0	0	0	0	0	0
Sat 10 Jun 2023	3	23.8	20.8	2.9	0	0	1	2	0	0	0	0	0	0	0	0
Sun 11 Jun 2023	6	24.9	16.8	7.8	2	0	2	1	1	0	0	0	0	0	0	0
Mon 12 Jun 2023	5	28.3	21.5	6.5	0	1	1	1	2	0	0	0	0	0	0	0
5 Day Ave.	5	23.1	17.6	5.3	0	2	1	2	0	0	0	0	0	0	0	0
7 Day Ave.	5	23.5	18.0	5.3	0	2	1	2	0	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	6	27.1	20.8	6.1	0	0	4	1	0	1	0	0	0	0	0	0
Wed 7 Jun 2023	5	27.7	18.6	8.8	1	1	1	0	2	0	0	0	0	0	0	0
Thu 8 Jun 2023	5	28.3	25.5	2.7	0	0	0	2	3	0	0	0	0	0	0	0
Fri 9 Jun 2023	6	32.6	24.2	8.2	0	1	1	1	1	2	0	0	0	0	0	0
Sat 10 Jun 2023	16	28.7	20.0	8.3	1	3	6	3	1	0	2	0	0	0	0	0
Sun 11 Jun 2023	7	18.8	14.1	4.5	2	1	4	0	0	0	0	0	0	0	0	0
Mon 12 Jun 2023	3	27.7	22.5	5.0	0	0	1	1	1	0	0	0	0	0	0	0
5 Day Ave.	5	28.7	22.3	6.2	0	0	1	1	1	1	0	0	0	0	0	0
7 Day Ave.	7	27.3	20.8	6.2	1	1	2	1	1	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	12	23.7	17.5	6.0	0	5	4	2	0	1	0	0	0	0	0	0
Wed 7 Jun 2023	10	25.1	18.1	6.8	1	3	2	2	2	0	0	0	0	0	0	0
Thu 8 Jun 2023	10	27.4	21.5	5.7	0	2	1	4	3	0	0	0	0	0	0	0
Fri 9 Jun 2023	10	29.5	21.5	7.7	0	3	1	3	1	2	0	0	0	0	0	0
Sat 10 Jun 2023	19	28.1	20.2	7.7	1	3	7	5	1	0	2	0	0	0	0	0
Sun 11 Jun 2023	13	21.7	15.3	6.1	4	1	6	1	1	0	0	0	0	0	0	0
Mon 12 Jun 2023	8	27.7	21.9	5.6	0	1	2	2	3	0	0	0	0	0	0	0
5 Day Ave.	10	26.7	20.1	6.4	0	3	2	3	2	1	0	0	0	0	0	0
7 Day Ave.	12	26.2	19.4	6.5	1	3	3	3	2	0	0	0	0	0	0	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	6	37.0	25.8	10.8	0	1	1	1	1	1	0	1	0	0	0	0
Wed 7 Jun 2023	6	27.9	20.8	6.8	0	1	2	2	0	1	0	0	0	0	0	0
Thu 8 Jun 2023	12	31.6	23.3	7.9	0	3	1	2	3	3	0	0	0	0	0	0
Fri 9 Jun 2023	6	29.8	20.9	8.6	1	1	0	1	3	0	0	0	0	0	0	0
Sat 10 Jun 2023	6	31.2	22.5	8.4	0	1	2	1	0	2	0	0	0	0	0	0
Sun 11 Jun 2023	2	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
Mon 12 Jun 2023	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
5 Day Ave.	6	32.2	23.7	8.2	0	1	1	1	1	1	0	0	0	0	0	0
7 Day Ave.	6	30.0	22.6	7.1	0	1	1	1	1	1	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	10	27.3	21.6	5.5	1	0	1	6	2	0	0	0	0	0	0	0
Wed 7 Jun 2023	6	33.2	27.5	5.5	0	0	1	0	3	2	0	0	0	0	0	0
Thu 8 Jun 2023	12	30.7	22.6	7.8	2	0	0	6	2	2	0	0	0	0	0	0
Fri 9 Jun 2023	13	36.9	25.6	10.9	0	1	5	1	1	4	0	0	0	1	0	0
Sat 10 Jun 2023	5	40.7	27.5	12.7	0	1	1	0	1	0	1	1	0	0	0	0
Sun 11 Jun 2023	5	28.8	19.6	8.9	1	1	0	1	2	0	0	0	0	0	0	0
Mon 12 Jun 2023	7	40.4	32.5	7.6	0	0	0	0	4	1	1	0	1	0	0	0
5 Day Ave.	10	33.7	25.9	7.5	1	0	1	3	2	2	0	0	0	0	0	0
7 Day Ave.	8	34.0	25.3	8.4	1	0	1	2	2	1	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	16	31.3	23.2	7.9	1	1	2	7	3	1	0	1	0	0	0	0
Wed 7 Jun 2023	12	31.3	24.2	6.9	0	1	3	2	3	3	0	0	0	0	0	0
Thu 8 Jun 2023	24	30.9	23.0	7.7	2	3	1	8	5	5	0	0	0	0	0	0
Fri 9 Jun 2023	19	34.7	24.1	10.2	1	2	5	2	4	4	0	0	0	1	0	0
Sat 10 Jun 2023	11	35.5	24.8	10.3	0	2	3	1	1	2	1	1	0	0	0	0
Sun 11 Jun 2023	7	26.6	19.0	7.4	1	1	2	1	2	0	0	0	0	0	0	0
Mon 12 Jun 2023	9	39.1	31.4	7.4	0	0	0	1	4	2	1	0	1	0	0	0
5 Day Ave.	16	33.5	25.2	8.0	1	1	2	4	4	3	0	0	0	0	0	0
7 Day Ave.	14	32.8	24.2	8.3	1	1	2	3	3	2	0	0	0	0	0	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

06/06/2023

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	4	3	1	0	0
08:00	5	5	0	0	0
09:00	6	3	2	1	0
10:00	5	4	1	0	0
11:00	1	1	0	0	0
12:00	3	2	1	0	0
13:00	9	8	1	0	0
14:00	2	2	0	0	0
15:00	4	3	1	0	0
16:00	2	2	0	0	0
17:00	3	3	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)	45	37	7	1	0
16H(6-22)	47	39	7	1	0
18H(6-24)	47	39	7	1	0
24H(0-24)	48	40	7	1	0
AM Peak	09:00	08:00	09:00	09:00	00:00
	6	5	2	1	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	9	8	1	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	3	3	0	0	0
06:00	1	1	0	0	0
07:00	2	2	0	0	0
08:00	4	2	2	0	0
09:00	6	4	1	1	0
10:00	4	1	2	0	1
11:00	2	0	1	1	0
12:00	6	5	1	0	0
13:00	4	4	0	0	0
14:00	4	4	0	0	0
15:00	6	5	1	0	0
16:00	8	8	0	0	0
17:00	4	4	0	0	0
18:00	1	1	0	0	0
19:00	2	1	1	0	0
20:00	0	0	0	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	51	40	8	2	1
16H(6-22)	55	43	9	2	1
18H(6-24)	56	44	9	2	1
24H(0-24)	59	47	9	2	1
AM Peak	09:00	09:00	08:00	09:00	10:00
	6	4	2	1	1
PM Peak	16:00	16:00	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	4	4	0	0	0
06:00	3	3	0	0	0
07:00	6	5	1	0	0
08:00	9	7	2	0	0
09:00	12	7	3	2	0
10:00	9	5	3	0	1
11:00	3	1	1	1	0
12:00	9	7	2	0	0
13:00	13	12	1	0	0
14:00	6	6	0	0	0
15:00	10	8	2	0	0
16:00	10	10	0	0	0
17:00	7	7	0	0	0
18:00	2	2	0	0	0
19:00	2	1	1	0	0
20:00	0	0	0	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	96	77	15	3	1
16H(6-22)	102	82	16	3	1
18H(6-24)	103	83	16	3	1
24H(0-24)	107	87	16	3	1
AM Peak	09:00	08:00	09:00	09:00	10:00
	12	7	3	2	1
PM Peak	13:00	13:00	12:00	12:00	12:00
	13	12	2	0	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

07/06/2023

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	8	8	0	0	0
08:00	3	1	2	0	0
09:00	6	5	1	0	0
10:00	1	0	1	0	0
11:00	4	2	2	0	0
12:00	4	3	1	0	0
13:00	2	2	0	0	0
14:00	1	1	0	0	0
15:00	5	4	0	1	0
16:00	3	2	1	0	0
17:00	3	3	0	0	0
18:00	1	1	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)	41	32	8	1	0
16H(6-22)	44	35	8	1	0
18H(6-24)	44	35	8	1	0
24H(0-24)	44	35	8	1	0
AM Peak	07:00	07:00	08:00	00:00	00:00
	8	8	2	0	0
PM Peak	15:00	15:00	12:00	15:00	12:00
	5	4	1	1	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	2	2	0	0	0
06:00	0	0	0	0	0
07:00	2	2	0	0	0
08:00	5	4	1	0	0
09:00	4	4	0	0	0
10:00	2	2	0	0	0
11:00	3	1	2	0	0
12:00	2	1	1	0	0
13:00	5	2	3	0	0
14:00	4	3	1	0	0
15:00	2	2	0	0	0
16:00	5	5	0	0	0
17:00	4	3	1	0	0
18:00	2	2	0	0	0
19:00	2	2	0	0	0
20:00	2	2	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	40	31	9	0	0
16H(6-22)	44	35	9	0	0
18H(6-24)	45	36	9	0	0
24H(0-24)	47	38	9	0	0
AM Peak	08:00	08:00	11:00	00:00	00:00
	5	4	2	0	0
PM Peak	13:00	16:00	13:00	12:00	12:00
	5	5	3	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	1	1	0	0	0
07:00	10	10	0	0	0
08:00	8	5	3	0	0
09:00	10	9	1	0	0
10:00	3	2	1	0	0
11:00	7	3	4	0	0
12:00	6	4	2	0	0
13:00	7	4	3	0	0
14:00	5	4	1	0	0
15:00	7	6	0	1	0
16:00	8	7	1	0	0
17:00	7	6	1	0	0
18:00	3	3	0	0	0
19:00	4	4	0	0	0
20:00	2	2	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	81	63	17	1	0
16H(6-22)	88	70	17	1	0
18H(6-24)	89	71	17	1	0
24H(0-24)	91	73	17	1	0
AM Peak	07:00	07:00	11:00	00:00	00:00
	10	10	4	0	0
PM Peak	16:00	16:00	13:00	15:00	12:00
	8	7	3	1	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound					
08/06/2023					
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	4	4	0	0	0
08:00	5	5	0	0	0
09:00	2	0	2	0	0
10:00	5	5	0	0	0
11:00	0	0	0	0	0
12:00	1	1	0	0	0
13:00	3	2	1	0	0
14:00	6	5	1	0	0
15:00	6	6	0	0	0
16:00	1	1	0	0	0
17:00	2	1	1	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)	39	34	5	0	0
16H(6-22)	40	35	5	0	0
18H(6-24)	40	35	5	0	0
24H(0-24)	40	35	5	0	0
AM Peak	08:00	08:00	09:00	00:00	00:00
	5	5	2	0	0
PM Peak	14:00	15:00	13:00	12:00	12:00
	6	6	1	0	0

Paul Castle Associates

Direction: Southbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	2	2	0	0	0
06:00	1	1	0	0	0
07:00	0	0	0	0	0
08:00	5	5	0	0	0
09:00	4	4	0	0	0
10:00	2	2	0	0	0
11:00	3	2	1	0	0
12:00	2	2	0	0	0
13:00	3	3	0	0	0
14:00	6	6	0	0	0
15:00	6	4	2	0	0
16:00	2	1	1	0	0
17:00	5	5	0	0	0
18:00	5	5	0	0	0
19:00	1	1	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	43	39	4	0	0
16H(6-22)	46	42	4	0	0
18H(6-24)	46	42	4	0	0
24H(0-24)	48	44	4	0	0
AM Peak	08:00	08:00	11:00	00:00	00:00
	5	5	1	0	0
PM Peak	14:00	14:00	15:00	12:00	12:00
	6	6	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	2	2	0	0	0
07:00	4	4	0	0	0
08:00	10	10	0	0	0
09:00	6	4	2	0	0
10:00	7	7	0	0	0
11:00	3	2	1	0	0
12:00	3	3	0	0	0
13:00	6	5	1	0	0
14:00	12	11	1	0	0
15:00	12	10	2	0	0
16:00	3	2	1	0	0
17:00	7	6	1	0	0
18:00	9	9	0	0	0
19:00	1	1	0	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	82	73	9	0	0
16H(6-22)	86	77	9	0	0
18H(6-24)	86	77	9	0	0
24H(0-24)	88	79	9	0	0
AM Peak	08:00	08:00	09:00	00:00	00:00
	10	10	2	0	0
PM Peak	14:00	14:00	15:00	12:00	12:00
	12	11	2	0	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

09/06/2023

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	6	5	1	0	0
08:00	0	0	0	0	0
09:00	6	5	1	0	0
10:00	3	2	1	0	0
11:00	1	0	1	0	0
12:00	4	3	1	0	0
13:00	1	1	0	0	0
14:00	3	2	1	0	0
15:00	3	1	1	1	0
16:00	2	2	0	0	0
17:00	5	4	1	0	0
18:00	5	5	0	0	0
19:00	3	3	0	0	0
20:00	1	1	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	39	30	8	1	0
16H(6-22)	44	35	8	1	0
18H(6-24)	44	35	8	1	0
24H(0-24)	44	35	8	1	0
AM Peak	07:00	07:00	07:00	00:00	00:00
	6	5	1	0	0
PM Peak	17:00	18:00	12:00	15:00	12:00
	5	5	1	1	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	2	2	0	0	0
06:00	1	1	0	0	0
07:00	2	2	0	0	0
08:00	3	3	0	0	0
09:00	3	2	1	0	0
10:00	3	1	2	0	0
11:00	3	1	2	0	0
12:00	3	2	1	0	0
13:00	4	3	1	0	0
14:00	9	7	2	0	0
15:00	4	4	0	0	0
16:00	3	3	0	0	0
17:00	5	4	1	0	0
18:00	1	1	0	0	0
19:00	0	0	0	0	0
20:00	1	1	0	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	43	33	10	0	0
16H(6-22)	46	36	10	0	0
18H(6-24)	47	37	10	0	0
24H(0-24)	49	39	10	0	0
AM Peak	08:00	08:00	10:00	00:00	00:00
	3	3	2	0	0
PM Peak	14:00	14:00	14:00	12:00	12:00
	9	7	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	1	1	0	0	0
07:00	8	7	1	0	0
08:00	3	3	0	0	0
09:00	9	7	2	0	0
10:00	6	3	3	0	0
11:00	4	1	3	0	0
12:00	7	5	2	0	0
13:00	5	4	1	0	0
14:00	12	9	3	0	0
15:00	7	5	1	1	0
16:00	5	5	0	0	0
17:00	10	8	2	0	0
18:00	6	6	0	0	0
19:00	3	3	0	0	0
20:00	2	2	0	0	0
21:00	2	2	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	82	63	18	1	0
16H(6-22)	90	71	18	1	0
18H(6-24)	91	72	18	1	0
24H(0-24)	93	74	18	1	0
AM Peak	09:00	07:00	10:00	00:00	00:00
	9	7	3	0	0
PM Peak	14:00	14:00	14:00	15:00	12:00
	12	9	3	1	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound					
10/06/2023					
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	5	5	0	0	0
08:00	1	1	0	0	0
09:00	3	3	0	0	0
10:00	3	2	1	0	0
11:00	0	0	0	0	0
12:00	5	5	0	0	0
13:00	2	2	0	0	0
14:00	4	2	2	0	0
15:00	2	2	0	0	0
16:00	2	2	0	0	0
17:00	1	1	0	0	0
18:00	2	2	0	0	0
19:00	0	0	0	0	0
20:00	1	1	0	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	30	27	3	0	0
16H(6-22)	33	30	3	0	0
18H(6-24)	34	31	3	0	0
24H(0-24)	34	31	3	0	0
AM Peak	07:00	07:00	10:00	00:00	00:00
	5	5	1	0	0
PM Peak	12:00	12:00	14:00	12:00	12:00
	5	5	2	0	0

Paul Castle Associates

Direction: Southbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	0	0	0	0	0
07:00	3	3	0	0	0
08:00	112	109	1	2	0
09:00	60	57	1	2	0
10:00	13	12	0	1	0
11:00	3	3	0	0	0
12:00	1	1	0	0	0
13:00	4	4	0	0	0
14:00	4	3	1	0	0
15:00	1	1	0	0	0
16:00	2	2	0	0	0
17:00	3	2	1	0	0
18:00	2	2	0	0	0
19:00	1	1	0	0	0
20:00	2	2	0	0	0
21:00	2	2	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	208	199	4	5	0
16H(6-22)	213	204	4	5	0
18H(6-24)	213	204	4	5	0
24H(0-24)	214	205	4	5	0
AM Peak	08:00	08:00	08:00	08:00	00:00
	112	109	1	2	0
PM Peak	13:00	13:00	14:00	12:00	12:00
	4	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	1	1	0	0	0
06:00	1	1	0	0	0
07:00	8	8	0	0	0
08:00	113	110	1	2	0
09:00	63	60	1	2	0
10:00	16	14	1	1	0
11:00	3	3	0	0	0
12:00	6	6	0	0	0
13:00	6	6	0	0	0
14:00	8	5	3	0	0
15:00	3	3	0	0	0
16:00	4	4	0	0	0
17:00	4	3	1	0	0
18:00	4	4	0	0	0
19:00	1	1	0	0	0
20:00	3	3	0	0	0
21:00	3	3	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	238	226	7	5	0
16H(6-22)	246	234	7	5	0
18H(6-24)	247	235	7	5	0
24H(0-24)	248	236	7	5	0
AM Peak	08:00	08:00	08:00	08:00	00:00
	113	110	1	2	0
PM Peak	14:00	12:00	14:00	12:00	12:00
	8	6	3	0	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

11/06/2023

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	1	1	0	0	0
08:00	2	2	0	0	0
09:00	4	4	0	0	0
10:00	6	6	0	0	0
11:00	0	0	0	0	0
12:00	2	2	0	0	0
13:00	2	2	0	0	0
14:00	0	0	0	0	0
15:00	2	1	1	0	0
16:00	2	1	0	1	0
17:00	1	1	0	0	0
18:00	1	1	0	0	0
19:00	2	2	0	0	0
20:00	2	1	1	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	23	21	1	1	0
16H(6-22)	27	24	2	1	0
18H(6-24)	28	25	2	1	0
24H(0-24)	28	25	2	1	0
AM Peak	10:00	10:00	00:00	00:00	00:00
	6	6	0	0	0
PM Peak	12:00	12:00	15:00	16:00	12:00
	2	2	1	1	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	0	0	0	0	0
08:00	3	3	0	0	0
09:00	6	6	0	0	0
10:00	3	3	0	0	0
11:00	4	4	0	0	0
12:00	4	3	1	0	0
13:00	3	3	0	0	0
14:00	2	2	0	0	0
15:00	3	3	0	0	0
16:00	4	4	0	0	0
17:00	7	7	0	0	0
18:00	3	3	0	0	0
19:00	0	0	0	0	0
20:00	2	2	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	42	41	1	0	0
16H(6-22)	45	44	1	0	0
18H(6-24)	45	44	1	0	0
24H(0-24)	45	44	1	0	0
AM Peak	09:00	09:00	00:00	00:00	00:00
	6	6	0	0	0
PM Peak	17:00	17:00	12:00	12:00	12:00
	7	7	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	1	1	0	0	0
07:00	1	1	0	0	0
08:00	5	5	0	0	0
09:00	10	10	0	0	0
10:00	9	9	0	0	0
11:00	4	4	0	0	0
12:00	6	5	1	0	0
13:00	5	5	0	0	0
14:00	2	2	0	0	0
15:00	5	4	1	0	0
16:00	6	5	0	1	0
17:00	8	8	0	0	0
18:00	4	4	0	0	0
19:00	2	2	0	0	0
20:00	4	3	1	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	65	62	2	1	0
16H(6-22)	72	68	3	1	0
18H(6-24)	73	69	3	1	0
24H(0-24)	73	69	3	1	0
AM Peak	09:00	09:00	00:00	00:00	00:00
	10	10	0	0	0
PM Peak	17:00	17:00	12:00	16:00	12:00
	8	8	1	1	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

12/06/2023					
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	4	4	0	0	0
08:00	1	1	0	0	0
09:00	2	2	0	0	0
10:00	2	1	1	0	0
11:00	3	3	0	0	0
12:00	0	0	0	0	0
13:00	3	1	1	1	0
14:00	2	2	0	0	0
15:00	0	0	0	0	0
16:00	4	3	1	0	0
17:00	3	3	0	0	0
18:00	4	4	0	0	0
19:00	0	0	0	0	0
20:00	1	1	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	28	24	3	1	0
16H(6-22)	31	27	3	1	0
18H(6-24)	31	27	3	1	0
24H(0-24)	31	27	3	1	0
AM Peak	07:00	07:00	10:00	00:00	00:00
	4	4	1	0	0
PM Peak	16:00	18:00	13:00	13:00	12:00
	4	4	1	1	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	2	2	0	0	0
06:00	0	0	0	0	0
07:00	2	2	0	0	0
08:00	2	2	0	0	0
09:00	2	1	1	0	0
10:00	2	2	0	0	0
11:00	1	1	0	0	0
12:00	1	1	0	0	0
13:00	4	3	1	0	0
14:00	3	1	2	0	0
15:00	4	2	2	0	0
16:00	4	4	0	0	0
17:00	6	6	0	0	0
18:00	3	3	0	0	0
19:00	0	0	0	0	0
20:00	2	2	0	0	0
21:00	1	1	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	34	28	6	0	0
16H(6-22)	37	31	6	0	0
18H(6-24)	38	32	6	0	0
24H(0-24)	40	34	6	0	0
AM Peak	05:00	05:00	09:00	00:00	00:00
	2	2	1	0	0
PM Peak	17:00	17:00	14:00	12:00	12:00
	6	6	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	1	1	0	0	0
07:00	6	6	0	0	0
08:00	3	3	0	0	0
09:00	4	3	1	0	0
10:00	4	3	1	0	0
11:00	4	4	0	0	0
12:00	1	1	0	0	0
13:00	7	4	2	1	0
14:00	5	3	2	0	0
15:00	4	2	2	0	0
16:00	8	7	1	0	0
17:00	9	9	0	0	0
18:00	7	7	0	0	0
19:00	0	0	0	0	0
20:00	3	3	0	0	0
21:00	2	2	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	62	52	9	1	0
16H(6-22)	68	58	9	1	0
18H(6-24)	69	59	9	1	0
24H(0-24)	71	61	9	1	0
AM Peak	07:00	07:00	09:00	00:00	00:00
	6	6	1	0	0
PM Peak	17:00	17:00	13:00	13:00	12:00
	9	9	2	1	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	1	0	0	0	0	0	0	0	0
06:00	2	22.5	22.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
07:00	4	31.0	22.5	8.2	0	1	0	2	0	1	0	0	0	0	0	0
08:00	5	30.4	24.5	5.7	0	0	1	2	1	1	0	0	0	0	0	0
09:00	6	22.1	17.5	4.5	0	2	2	2	0	0	0	0	0	0	0	0
10:00	5	19.1	14.5	4.5	0	4	0	1	0	0	0	0	0	0	0	0
11:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
12:00	3	32.1	19.3	12.4	1	0	1	0	0	1	0	0	0	0	0	0
13:00	9	23.6	16.4	6.9	1	3	4	0	0	1	0	0	0	0	0	0
14:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
15:00	4	40.5	26.3	13.8	0	1	1	0	0	1	0	1	0	0	0	0
16:00	2	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
17:00	3	17.2	14.2	2.9	0	2	1	0	0	0	0	0	0	0	0	0
18:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	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)	6	18.4	14.2	4.1	0	5	0	1	0	0	0	0	0	0	0	0
2H(14-16)	6	37.0	25.8	10.8	0	1	1	1	1	1	0	1	0	0	0	0
12H(7-19)	45	26.9	19.0	7.7	2	15	12	8	2	5	0	1	0	0	0	0
24H(0-24)	48	27.0	19.2	7.5	2	15	12	11	2	5	0	1	0	0	0	0
AM Peak	09:00	07:00	08:00	07:00	00:00	10:00	09:00	06:00	08:00	07:00	00:00	00:00	00:00	00:00	00:00	00:00
	6	31.0	24.5	8.2	0	4	2	2	1	1	0	0	0	0	0	0
PM Peak	13:00	15:00	15:00	15:00	12:00	13:00	13:00	14:00	14:00	12:00	12:00	15:00	12:00	12:00	12:00	12:00
	9	40.5	26.3	13.8	1	3	4	1	1	1	0	1	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	3	27.1	19.2	7.6	0	1	1	0	1	0	0	0	0	0	0	0
06:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
07:00	2	23.7	20.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
08:00	4	30.2	18.9	10.9	1	1	0	1	0	1	0	0	0	0	0	0
09:00	6	27.8	18.5	8.9	2	0	1	1	2	0	0	0	0	0	0	0
10:00	4	29.8	22.5	7.1	0	0	2	1	0	1	0	0	0	0	0	0
11:00	2	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
12:00	6	17.1	12.7	4.3	2	2	2	0	0	0	0	0	0	0	0	0
13:00	4	30.1	21.3	8.5	0	1	1	1	0	1	0	0	0	0	0	0
14:00	4	24.7	17.6	6.8	1	0	1	2	0	0	0	0	0	0	0	0
15:00	6	26.8	24.2	2.6	0	0	0	4	2	0	0	0	0	0	0	0
16:00	8	31.4	20.1	10.9	2	1	1	2	0	1	1	0	0	0	0	0
17:00	4	23.8	21.3	2.5	0	0	1	3	0	0	0	0	0	0	0	0
18:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
19:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	1	-	42.5	-	0	0	0	0	0	0	0	1	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	6	27.1	20.8	6.1	0	0	4	1	0	1	0	0	0	0	0	0
2H(14-16)	10	27.3	21.6	5.5	1	0	1	6	2	0	0	0	0	0	0	0
12H(7-19)	51	27.7	19.7	7.6	8	5	12	16	4	5	1	0	0	0	0	0
24H(0-24)	59	29.1	20.7	8.1	8	6	13	16	8	6	1	1	0	0	0	0
AM Peak	09:00 6	08:00 30.2	06:00 27.5	08:00 10.9	09:00 2	05:00 1	10:00 2	07:00 1	09:00 2	08:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	16:00 8	19:00 33.7	22:00 42.5	16:00 10.9	12:00 2	12:00 2	12:00 2	15:00 4	15:00 2	13:00 1	16:00 1	22:00 1	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	4	26.7	20.0	6.5	0	1	1	1	1	0	0	0	0	0	0	0
06:00	3	27.2	24.2	2.9	0	0	0	2	1	0	0	0	0	0	0	0
07:00	6	28.6	21.7	6.6	0	1	1	3	0	1	0	0	0	0	0	0
08:00	9	30.7	22.0	8.4	1	1	1	3	1	2	0	0	0	0	0	0
09:00	12	25.0	18.0	6.8	2	2	3	3	2	0	0	0	0	0	0	0
10:00	9	25.1	18.1	6.8	0	4	2	2	0	1	0	0	0	0	0	0
11:00	3	18.8	15.8	2.9	0	1	2	0	0	0	0	0	0	0	0	0
12:00	9	23.0	14.9	7.8	3	2	3	0	0	1	0	0	0	0	0	0
13:00	13	25.6	17.9	7.4	1	4	5	1	0	2	0	0	0	0	0	0
14:00	6	27.0	20.1	6.7	1	0	1	3	1	0	0	0	0	0	0	0
15:00	10	33.5	25.0	8.2	0	1	1	4	2	1	0	1	0	0	0	0
16:00	10	29.3	19.1	9.9	2	2	2	2	0	1	1	0	0	0	0	0
17:00	7	22.9	18.2	4.5	0	2	2	3	0	0	0	0	0	0	0	0
18:00	2	36.0	25.0	10.6	0	0	1	0	0	1	0	0	0	0	0	0
19:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	1	-	42.5	-	0	0	0	0	0	0	0	1	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	12	23.7	17.5	6.0	0	5	4	2	0	1	0	0	0	0	0	0
2H(14-16)	16	31.3	23.2	7.9	1	1	2	7	3	1	0	1	0	0	0	0
12H(7-19)	96	27.3	19.4	7.6	10	20	24	24	6	10	1	1	0	0	0	0
24H(0-24)	107	28.2	20.0	7.9	10	21	25	27	10	11	1	2	0	0	0	0
AM Peak	09:00 12	08:00 30.7	06:00 24.2	08:00 8.4	09:00 2	10:00 4	09:00 3	07:00 3	09:00 2	08:00 2	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 13	18:00 36.0	22:00 42.5	18:00 10.6	12:00 3	13:00 4	13:00 5	15:00 4	15:00 2	13:00 2	16:00 1	15:00 1	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	8	26.2	17.6	8.4	1	3	2	0	1	1	0	0	0	0	0	0
08:00	3	36.6	21.0	15.1	1	0	1	0	0	1	0	0	0	0	0	0
09:00	6	24.9	16.8	7.8	2	0	2	1	1	0	0	0	0	0	0	0
10:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
11:00	4	23.7	18.8	4.8	0	1	1	2	0	0	0	0	0	0	0	0
12:00	4	31.5	23.8	7.5	0	1	0	0	3	0	0	0	0	0	0	0
13:00	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
14:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
15:00	5	22.8	18.5	4.2	0	1	2	2	0	0	0	0	0	0	0	0
16:00	3	35.2	29.2	5.8	0	0	0	1	0	2	0	0	0	0	0	0
17:00	3	22.7	17.5	5.0	0	1	1	1	0	0	0	0	0	0	0	0
18:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
19:00	2	23.7	20.0	3.5	0	0	1	1	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	22.7	17.5	5.0	0	2	1	2	0	0	0	0	0	0	0	0
2H(14-16)	6	27.9	20.8	6.8	0	1	2	2	0	1	0	0	0	0	0	0
12H(7-19)	41	28.3	20.0	8.0	4	9	9	8	5	5	1	0	0	0	0	0
24H(0-24)	44	28.1	20.0	7.7	4	9	10	10	5	5	1	0	0	0	0	0
AM Peak	07:00	08:00	06:00	08:00	09:00	07:00	07:00	11:00	07:00	07:00	08:00	00:00	00:00	00:00	00:00	00:00
	8	36.6	22.5	15.1	2	3	2	2	1	1	1	0	0	0	0	0
PM Peak	15:00	16:00	14:00	12:00	12:00	12:00	15:00	15:00	12:00	16:00	12:00	12:00	12:00	12:00	12:00	12:00
	5	35.2	32.5	7.5	0	1	2	2	3	2	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	24.8	17.5	7.1	0	1	0	1	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	32.0	17.8	13.8	1	0	0	0	1	0	0	0	0	0	0	0
08:00	5	32.2	22.5	9.4	0	2	0	0	2	1	0	0	0	0	0	0
09:00	4	13.7	11.4	2.3	1	3	0	0	0	0	0	0	0	0	0	0
10:00	2	13.5	10.3	3.2	1	1	0	0	0	0	0	0	0	0	0	0
11:00	3	30.2	24.2	5.8	0	0	1	0	2	0	0	0	0	0	0	0
12:00	2	36.0	25.0	10.6	0	0	1	0	0	1	0	0	0	0	0	0
13:00	5	35.8	26.5	8.9	0	0	2	0	1	1	1	0	0	0	0	0
14:00	4	33.0	30.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
15:00	2	29.8	22.5	7.1	0	0	1	0	1	0	0	0	0	0	0	0
16:00	5	34.0	20.7	12.8	2	0	0	1	1	0	1	0	0	0	0	0
17:00	4	28.7	23.8	4.8	0	0	1	1	2	0	0	0	0	0	0	0
18:00	2	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
19:00	2	44.4	22.8	20.9	1	0	0	0	0	0	1	0	0	0	0	0
20:00	2	44.8	37.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	27.5	-	0	0	0	0	1	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	27.7	18.6	8.8	1	1	1	0	2	0	0	0	0	0	0	0
2H(14-16)	6	33.2	27.5	5.5	0	0	1	0	3	2	0	0	0	0	0	0
12H(7-19)	40	30.9	21.7	8.9	5	6	8	2	12	5	2	0	0	0	0	0
24H(0-24)	47	32.2	22.4	9.5	6	7	8	3	13	6	3	1	0	0	0	0
AM Peak	08:00 5	08:00 32.2	11:00 24.2	07:00 13.8	07:00 1	09:00 3	11:00 1	05:00 1	08:00 2	08:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 5	20:00 44.8	20:00 37.5	19:00 20.9	16:00 2	12:00 0	13:00 2	16:00 1	14:00 2	14:00 2	13:00 1	20:00 1	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	24.8	17.5	7.1	0	1	0	1	0	0	0	0	0	0	0	0
06:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	10	26.6	17.6	8.7	2	3	2	0	2	1	0	0	0	0	0	0
08:00	8	33.1	21.9	10.7	1	2	1	0	2	1	1	0	0	0	0	0
09:00	10	21.5	14.7	6.6	3	3	2	1	1	0	0	0	0	0	0	0
10:00	3	13.7	11.0	2.6	1	2	0	0	0	0	0	0	0	0	0	0
11:00	7	26.8	21.1	5.6	0	1	2	2	2	0	0	0	0	0	0	0
12:00	6	32.0	24.2	7.5	0	1	1	0	3	1	0	0	0	0	0	0
13:00	7	34.9	26.8	7.9	0	0	2	1	1	2	1	0	0	0	0	0
14:00	5	33.3	30.5	2.7	0	0	0	0	2	3	0	0	0	0	0	0
15:00	7	24.7	19.6	4.9	0	1	3	2	1	0	0	0	0	0	0	0
16:00	8	35.3	23.9	11.1	2	0	0	2	1	2	1	0	0	0	0	0
17:00	7	26.8	21.1	5.6	0	1	2	2	2	0	0	0	0	0	0	0
18:00	3	18.8	15.8	2.9	0	1	2	0	0	0	0	0	0	0	0	0
19:00	4	34.1	21.4	12.3	1	0	1	1	0	0	1	0	0	0	0	0
20:00	2	44.8	37.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	27.5	-	0	0	0	0	1	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	25.1	18.1	6.8	1	3	2	2	2	0	0	0	0	0	0	0
2H(14-16)	12	31.3	24.2	6.9	0	1	3	2	3	3	0	0	0	0	0	0
12H(7-19)	81	29.6	20.8	8.4	9	15	17	10	17	10	3	0	0	0	0	0
24H(0-24)	91	30.3	21.2	8.7	10	16	18	13	18	11	4	1	0	0	0	0
AM Peak	07:00	08:00	06:00	08:00	09:00	07:00	07:00	11:00	07:00	07:00	08:00	00:00	00:00	00:00	00:00	00:00
	10	33.1	22.5	10.7	3	3	2	2	2	1	1	0	0	0	0	0
PM Peak	16:00	20:00	20:00	19:00	16:00	12:00	15:00	15:00	12:00	14:00	13:00	20:00	12:00	12:00	12:00	12:00
	8	44.8	37.5	12.3	2	1	3	2	3	3	1	1	0	0	0	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
07:00	4	26.5	18.8	7.5	0	2	0	1	1	0	0	0	0	0	0	0
08:00	5	23.2	16.6	6.3	1	1	1	2	0	0	0	0	0	0	0	0
09:00	2	43.3	25.0	17.7	0	1	0	0	0	0	1	0	0	0	0	0
10:00	5	22.7	17.5	5.0	0	2	1	2	0	0	0	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
13:00	3	35.2	29.2	5.8	0	0	0	1	0	2	0	0	0	0	0	0
14:00	6	32.6	24.2	8.2	0	1	1	1	1	2	0	0	0	0	0	0
15:00	6	31.2	22.5	8.4	0	2	0	1	2	1	0	0	0	0	0	0
16:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
17:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
18:00	4	23.0	20.0	2.9	0	0	2	2	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																
2H(10-12)	5	22.7	17.5	5.0	0	2	1	2	0	0	0	0	0	0	0	0
2H(14-16)	12	31.6	23.3	7.9	0	3	1	2	3	3	0	0	0	0	0	0
12H(7-19)	39	29.2	21.5	7.4	1	9	6	11	6	5	1	0	0	0	0	0
24H(0-24)	40	29.3	21.6	7.4	1	9	6	11	7	5	1	0	0	0	0	0
AM Peak	08:00	09:00	06:00	09:00	08:00	07:00	08:00	08:00	06:00	00:00	09:00	00:00	00:00	00:00	00:00	00:00
	5	43.3	27.5	17.7	1	2	1	2	1	0	1	0	0	0	0	0
PM Peak	14:00	13:00	13:00	15:00	12:00	15:00	18:00	18:00	15:00	13:00	12:00	12:00	12:00	12:00	12:00	12:00
	6	35.2	29.2	8.4	0	2	2	2	2	2	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
06:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	5	29.5	19.6	9.6	1	1	0	2	0	1	0	0	0	0	0	0
09:00	4	25.2	20.0	5.0	0	1	0	3	0	0	0	0	0	0	0	0
10:00	2	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
11:00	3	27.2	24.2	2.9	0	0	0	2	1	0	0	0	0	0	0	0
12:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
13:00	3	37.1	29.2	7.6	0	0	0	1	1	0	1	0	0	0	0	0
14:00	6	30.1	25.8	4.1	0	0	0	3	2	1	0	0	0	0	0	0
15:00	6	29.3	19.3	9.6	2	0	0	3	0	1	0	0	0	0	0	0
16:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
17:00	5	28.4	20.5	7.6	0	1	2	1	0	1	0	0	0	0	0	0
18:00	5	27.2	21.5	5.5	0	1	0	3	1	0	0	0	0	0	0	0
19:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
20:00	1	-	27.5	-	0	0	0	0	1	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	28.3	25.5	2.7	0	0	0	2	3	0	0	0	0	0	0	0
2H(14-16)	12	30.7	22.6	7.8	2	0	0	6	2	2	0	0	0	0	0	0
12H(7-19)	43	30.5	23.1	7.1	3	4	2	18	9	6	1	0	0	0	0	0
24H(0-24)	48	30.5	23.3	7.0	3	4	4	18	11	7	1	0	0	0	0	0
AM Peak	08:00 5	08:00 29.5	06:00 32.5	08:00 9.6	08:00 1	08:00 1	05:00 2	09:00 3	10:00 2	06:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 6	13:00 37.1	12:00 30.0	15:00 9.6	15:00 2	17:00 1	17:00 2	14:00 3	14:00 2	12:00 1	13:00 1	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
06:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
07:00	4	26.5	18.8	7.5	0	2	0	1	1	0	0	0	0	0	0	0
08:00	10	26.2	18.1	7.8	2	2	1	4	0	1	0	0	0	0	0	0
09:00	6	31.2	21.7	9.2	0	2	0	3	0	0	1	0	0	0	0	0
10:00	7	27.0	20.4	6.4	0	2	1	2	2	0	0	0	0	0	0	0
11:00	3	27.2	24.2	2.9	0	0	0	2	1	0	0	0	0	0	0	0
12:00	3	33.7	25.8	7.6	0	0	1	0	1	1	0	0	0	0	0	0
13:00	6	35.4	29.2	6.1	0	0	0	2	1	2	1	0	0	0	0	0
14:00	12	31.4	25.0	6.2	0	1	1	4	3	3	0	0	0	0	0	0
15:00	12	30.0	20.9	8.7	2	2	0	4	2	2	0	0	0	0	0	0
16:00	3	32.2	29.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
17:00	7	28.8	21.8	6.7	0	1	2	2	1	1	0	0	0	0	0	0
18:00	9	25.3	20.8	4.3	0	1	2	5	1	0	0	0	0	0	0	0
19:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
20:00	1	-	27.5	-	0	0	0	0	1	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	27.4	21.5	5.7	0	2	1	4	3	0	0	0	0	0	0	0
2H(14-16)	24	30.9	23.0	7.7	2	3	1	8	5	5	0	0	0	0	0	0
12H(7-19)	82	29.9	22.3	7.3	4	13	8	29	15	11	2	0	0	0	0	0
24H(0-24)	88	30.0	22.5	7.2	4	13	10	29	18	12	2	0	0	0	0	0
AM Peak	08:00 10	06:00 33.7	06:00 30.0	09:00 9.2	08:00 2	07:00 2	05:00 2	08:00 4	10:00 2	06:00 1	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 12	13:00 35.4	13:00 29.2	15:00 8.7	15:00 2	15:00 2	17:00 2	18:00 5	14:00 3	14:00 3	13:00 1	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	6	30.4	20.9	9.2	1	1	0	2	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	6	24.1	17.5	6.3	0	3	1	1	1	0	0	0	0	0	0	0
10:00	3	25.2	19.2	5.8	0	1	0	2	0	0	0	0	0	0	0	0
11:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
12:00	4	30.2	25.0	5.0	0	0	0	3	0	1	0	0	0	0	0	0
13:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
14:00	3	29.8	19.3	10.1	1	0	0	1	1	0	0	0	0	0	0	0
15:00	3	31.5	22.5	8.7	0	1	0	0	2	0	0	0	0	0	0	0
16:00	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
17:00	5	25.8	21.5	4.2	0	0	2	2	1	0	0	0	0	0	0	0
18:00	5	26.2	22.5	3.5	0	0	1	3	1	0	0	0	0	0	0	0
19:00	3	27.2	24.2	2.9	0	0	0	2	1	0	0	0	0	0	0	0
20:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
21:00	1	-	17.5	-	0	0	1	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	23.5	17.5	5.8	0	2	0	2	0	0	0	0	0	0	0	0
2H(14-16)	6	29.8	20.9	8.6	1	1	0	1	3	0	0	0	0	0	0	0
12H(7-19)	39	27.9	21.1	6.5	2	7	4	16	7	3	0	0	0	0	0	0
24H(0-24)	44	27.9	21.4	6.3	2	7	5	18	9	3	0	0	0	0	0	0
AM Peak	07:00	07:00	07:00	07:00	07:00	09:00	09:00	07:00	07:00	07:00	00:00	00:00	00:00	00:00	00:00	00:00
	6	30.4	20.9	9.2	1	3	1	2	1	1	0	0	0	0	0	0
PM Peak	17:00	16:00	16:00	14:00	14:00	15:00	17:00	12:00	15:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	5	34.8	27.5	10.1	1	1	2	3	2	1	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	24.8	17.5	7.1	0	1	0	1	0	0	0	0	0	0	0	0
06:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	2	25.9	15.3	10.3	1	0	0	1	0	0	0	0	0	0	0	0
08:00	3	31.5	22.5	8.7	0	1	0	0	2	0	0	0	0	0	0	0
09:00	3	27.8	17.7	9.8	1	0	1	0	1	0	0	0	0	0	0	0
10:00	3	32.7	27.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
11:00	3	31.6	20.8	10.4	0	1	1	0	0	1	0	0	0	0	0	0
12:00	3	30.2	24.2	5.8	0	0	1	0	2	0	0	0	0	0	0	0
13:00	4	35.2	30.0	5.0	0	0	0	1	0	3	0	0	0	0	0	0
14:00	9	31.4	23.1	8.1	0	1	4	0	1	3	0	0	0	0	0	0
15:00	4	47.3	31.3	15.5	0	0	1	1	0	1	0	0	0	1	0	0
16:00	3	40.0	29.2	10.4	0	0	1	0	0	1	1	0	0	0	0	0
17:00	5	32.1	22.6	9.2	1	0	0	2	1	1	0	0	0	0	0	0
18:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
21:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	1	-	22.5	-	0	0	0	1	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)	6	32.6	24.2	8.2	0	1	1	1	1	2	0	0	0	0	0	0
2H(14-16)	13	36.9	25.6	10.9	0	1	5	1	1	4	0	0	0	1	0	0
12H(7-19)	43	33.6	24.2	9.1	3	3	10	6	8	11	1	0	0	1	0	0
24H(0-24)	49	33.2	24.1	8.8	3	4	10	9	9	12	1	0	0	1	0	0
AM Peak	08:00 3	10:00 32.7	10:00 27.5	11:00 10.4	07:00 1	05:00 1	09:00 1	05:00 1	08:00 2	10:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 9	15:00 47.3	20:00 32.5	15:00 15.5	17:00 1	14:00 1	14:00 4	17:00 2	12:00 2	13:00 3	16:00 1	12:00 0	12:00 0	15:00 1	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	24.8	17.5	7.1	0	1	0	1	0	0	0	0	0	0	0	0
06:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	8	28.9	19.5	9.1	2	1	0	3	1	1	0	0	0	0	0	0
08:00	3	31.5	22.5	8.7	0	1	0	0	2	0	0	0	0	0	0	0
09:00	9	24.8	17.6	7.0	1	3	2	1	2	0	0	0	0	0	0	0
10:00	6	30.2	23.3	6.6	0	1	0	3	1	1	0	0	0	0	0	0
11:00	4	28.6	18.8	9.5	0	2	1	0	0	1	0	0	0	0	0	0
12:00	7	29.7	24.6	4.9	0	0	1	3	2	1	0	0	0	0	0	0
13:00	5	34.2	28.5	5.5	0	0	0	2	0	3	0	0	0	0	0	0
14:00	12	30.7	22.1	8.3	1	1	4	1	2	3	0	0	0	0	0	0
15:00	7	40.9	27.5	12.9	0	1	1	1	2	1	0	0	0	1	0	0
16:00	5	37.0	28.5	8.2	0	0	1	1	0	2	1	0	0	0	0	0
17:00	10	29.0	22.1	6.7	1	0	2	4	2	1	0	0	0	0	0	0
18:00	6	25.6	21.7	3.8	0	0	2	3	1	0	0	0	0	0	0	0
19:00	3	27.2	24.2	2.9	0	0	0	2	1	0	0	0	0	0	0	0
20:00	2	33.7	30.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
21:00	2	29.8	22.5	7.1	0	0	1	0	1	0	0	0	0	0	0	0
22:00	1	-	22.5	-	0	0	0	1	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	29.5	21.5	7.7	0	3	1	3	1	2	0	0	0	0	0	0
2H(14-16)	19	34.7	24.1	10.2	1	2	5	2	4	4	0	0	0	1	0	0
12H(7-19)	82	31.1	22.7	8.1	5	10	14	22	15	14	1	0	0	1	0	0
24H(0-24)	93	30.9	22.8	7.8	5	11	15	27	18	15	1	0	0	1	0	0
AM Peak	09:00	08:00	10:00	11:00	07:00	09:00	09:00	07:00	08:00	07:00	00:00	00:00	00:00	00:00	00:00	00:00
	9	31.5	23.3	9.5	2	3	2	3	2	1	0	0	0	0	0	0
PM Peak	14:00	15:00	20:00	15:00	14:00	14:00	14:00	17:00	12:00	13:00	16:00	12:00	12:00	15:00	12:00	12:00
	12	40.9	30.0	12.9	1	1	4	4	2	3	1	0	0	1	0	0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	5	32.8	23.5	8.9	0	1	0	3	0	0	1	0	0	0	0	0
08:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
09:00	3	13.7	11.0	2.6	1	2	0	0	0	0	0	0	0	0	0	0
10:00	3	23.8	20.8	2.9	0	0	1	2	0	0	0	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	5	33.8	27.5	6.1	0	0	1	0	2	2	0	0	0	0	0	0
13:00	2	12.5	12.5	0.0	0	2	0	0	0	0	0	0	0	0	0	0
14:00	4	34.0	26.3	7.5	0	0	1	1	0	2	0	0	0	0	0	0
15:00	2	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
16:00	2	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
17:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
18:00	2	22.5	22.5	0.0	0	0	0	2	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	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
21:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
22:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	3	23.8	20.8	2.9	0	0	1	2	0	0	0	0	0	0	0	0
2H(14-16)	6	31.2	22.5	8.4	0	1	2	1	0	2	0	0	0	0	0	0
12H(7-19)	30	28.9	20.9	7.8	1	8	5	8	3	4	1	0	0	0	0	0
24H(0-24)	34	28.2	20.3	7.6	1	10	6	9	3	4	1	0	0	0	0	0
AM Peak	07:00	07:00	07:00	07:00	09:00	09:00	10:00	07:00	00:00	00:00	07:00	00:00	00:00	00:00	00:00	00:00
	5	32.8	23.5	8.9	1	2	1	3	0	0	1	0	0	0	0	0
PM Peak	12:00	14:00	12:00	14:00	12:00	13:00	12:00	18:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	5	34.0	27.5	7.5	0	2	1	2	2	2	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	1	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	3	26.8	20.8	5.8	0	0	2	0	1	0	0	0	0	0	0	0
08:00	112	20.8	17.3	3.4	0	23	73	14	1	1	0	0	0	0	0	0
09:00	60	21.6	17.0	4.5	1	14	39	5	0	0	0	1	0	0	0	0
10:00	13	21.3	16.8	4.4	1	3	6	3	0	0	0	0	0	0	0	0
11:00	3	40.2	34.2	5.8	0	0	0	0	1	0	2	0	0	0	0	0
12:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
13:00	4	31.0	22.5	8.2	0	1	0	2	0	1	0	0	0	0	0	0
14:00	4	35.2	23.8	11.1	0	1	1	0	1	0	1	0	0	0	0	0
15:00	1	-	42.5	-	0	0	0	0	0	0	0	1	0	0	0	0
16:00	2	38.2	20.3	17.3	1	0	0	0	0	1	0	0	0	0	0	0
17:00	3	27.8	17.7	9.8	1	0	1	0	1	0	0	0	0	0	0	0
18:00	2	29.8	22.5	7.1	0	0	1	0	1	0	0	0	0	0	0	0
19:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
20:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
21:00	2	22.5	22.5	0.0	0	0	0	2	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)	16	28.7	20.0	8.3	1	3	6	3	1	0	2	0	0	0	0	0
2H(14-16)	5	40.7	27.5	12.7	0	1	1	0	1	0	1	1	0	0	0	0
12H(7-19)	208	23.3	17.9	5.3	4	43	123	24	6	3	3	2	0	0	0	0
24H(0-24)	214	23.5	18.0	5.3	4	44	123	28	7	3	3	2	0	0	0	0
AM Peak	08:00	11:00	11:00	07:00	09:00	08:00	08:00	08:00	07:00	08:00	11:00	09:00	00:00	00:00	00:00	00:00
	112	40.2	34.2	5.8	1	23	73	14	1	1	2	1	0	0	0	0
PM Peak	13:00	16:00	15:00	16:00	16:00	12:00	14:00	13:00	14:00	13:00	14:00	15:00	12:00	12:00	12:00	12:00
	4	38.2	42.5	17.3	1	1	1	2	1	1	1	1	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	1	0	0	0	0	0	0	0	0
06:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	8	30.3	22.5	7.6	0	1	2	3	1	0	1	0	0	0	0	0
08:00	113	20.8	17.3	3.4	0	24	73	14	1	1	0	0	0	0	0	0
09:00	63	21.5	16.7	4.6	2	16	39	5	0	0	0	1	0	0	0	0
10:00	16	22.1	17.5	4.4	1	3	7	5	0	0	0	0	0	0	0	0
11:00	3	40.2	34.2	5.8	0	0	0	0	1	0	2	0	0	0	0	0
12:00	6	33.5	25.0	8.2	0	1	1	0	2	2	0	0	0	0	0	0
13:00	6	27.6	19.2	8.2	0	3	0	2	0	1	0	0	0	0	0	0
14:00	8	34.2	25.0	8.9	0	1	2	1	1	2	1	0	0	0	0	0
15:00	3	40.8	24.2	16.1	0	1	1	0	0	0	0	1	0	0	0	0
16:00	4	28.7	17.6	10.6	1	1	1	0	0	1	0	0	0	0	0	0
17:00	4	29.8	20.1	9.4	1	0	1	0	2	0	0	0	0	0	0	0
18:00	4	26.7	22.5	4.1	0	0	1	2	1	0	0	0	0	0	0	0
19:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
20:00	3	27.7	22.5	5.0	0	0	1	1	1	0	0	0	0	0	0	0
21:00	3	25.2	19.2	5.8	0	1	0	2	0	0	0	0	0	0	0	0
22:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	19	28.1	20.2	7.7	1	3	7	5	1	0	2	0	0	0	0	0
2H(14-16)	11	35.5	24.8	10.3	0	2	3	1	1	2	1	1	0	0	0	0
12H(7-19)	238	24.2	18.3	5.7	5	51	128	32	9	7	4	2	0	0	0	0
24H(0-24)	248	24.2	18.3	5.7	5	54	129	37	10	7	4	2	0	0	0	0
AM Peak	08:00 113	11:00 40.2	11:00 34.2	07:00 7.6	09:00 2	08:00 24	08:00 73	08:00 14	07:00 1	08:00 1	11:00 2	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 8	15:00 40.8	12:00 25.0	15:00 16.1	16:00 1	13:00 3	14:00 2	13:00 2	12:00 2	12:00 2	14:00 1	15:00 1	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
08:00	2	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
09:00	4	24.8	17.5	7.1	0	2	1	0	1	0	0	0	0	0	0	0
10:00	6	24.9	16.8	7.8	2	0	2	1	1	0	0	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	2	23.7	20.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
13:00	2	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
14:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
15:00	2	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
16:00	2	12.5	12.5	0.0	0	2	0	0	0	0	0	0	0	0	0	0
17:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
18:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
19:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
20:00	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	6	24.9	16.8	7.8	2	0	2	1	1	0	0	0	0	0	0	0
2H(14-16)	2	17.5	17.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
12H(7-19)	23	22.9	17.1	5.5	2	6	10	2	3	0	0	0	0	0	0	0
24H(0-24)	28	24.8	18.4	6.2	2	6	11	4	4	1	0	0	0	0	0	0
AM Peak	10:00	10:00	07:00	10:00	10:00	09:00	10:00	10:00	09:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	6	24.9	17.5	7.8	2	2	2	1	1	0	0	0	0	0	0	0
PM Peak	12:00	20:00	18:00	20:00	12:00	16:00	13:00	12:00	18:00	20:00	12:00	12:00	12:00	12:00	12:00	12:00
	2	34.8	27.5	7.1	0	2	2	1	1	1	0	0	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	1	0	0	0	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	3	26.8	20.8	5.8	0	0	2	0	1	0	0	0	0	0	0	0
09:00	6	27.2	18.4	8.5	1	1	2	1	0	1	0	0	0	0	0	0
10:00	3	12.2	9.5	2.6	2	1	0	0	0	0	0	0	0	0	0	0
11:00	4	17.5	17.5	0.0	0	0	4	0	0	0	0	0	0	0	0	0
12:00	4	38.7	27.5	10.8	0	0	1	1	1	0	0	1	0	0	0	0
13:00	3	22.2	19.2	2.9	0	0	2	1	0	0	0	0	0	0	0	0
14:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
15:00	3	26.6	16.0	10.2	1	1	0	0	1	0	0	0	0	0	0	0
16:00	4	25.1	16.4	8.4	1	1	1	0	1	0	0	0	0	0	0	0
17:00	7	26.5	23.9	2.4	0	0	0	5	2	0	0	0	0	0	0	0
18:00	3	32.7	27.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	2	17.5	17.5	0.0	0	0	2	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)	7	18.8	14.1	4.5	2	1	4	0	0	0	0	0	0	0	0	0
2H(14-16)	5	28.8	19.6	8.9	1	1	0	1	2	0	0	0	0	0	0	0
12H(7-19)	42	28.1	20.3	7.6	5	4	12	10	8	2	0	1	0	0	0	0
24H(0-24)	45	27.7	20.1	7.3	5	4	15	10	8	2	0	1	0	0	0	0
AM Peak	09:00 6	09:00 27.2	08:00 20.8	09:00 8.5	10:00 2	09:00 1	11:00 4	09:00 1	08:00 1	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	17:00 7	12:00 38.7	12:00 27.5	12:00 10.8	15:00 1	15:00 1	13:00 2	17:00 5	17:00 2	18:00 1	12:00 0	12:00 1	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	1	0	0	0	0	0	0	0	0	0
07:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
08:00	5	24.2	18.5	5.5	0	1	3	0	1	0	0	0	0	0	0	0
09:00	10	25.9	18.1	7.5	1	3	3	1	1	1	0	0	0	0	0	0
10:00	9	21.9	14.4	7.3	4	1	2	1	1	0	0	0	0	0	0	0
11:00	4	17.5	17.5	0.0	0	0	4	0	0	0	0	0	0	0	0	0
12:00	6	34.7	25.0	9.4	0	0	2	2	1	0	0	1	0	0	0	0
13:00	5	20.8	18.5	2.2	0	0	4	1	0	0	0	0	0	0	0	0
14:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
15:00	5	24.1	16.6	7.3	1	1	2	0	1	0	0	0	0	0	0	0
16:00	6	22.1	15.1	6.8	1	3	1	0	1	0	0	0	0	0	0	0
17:00	8	27.3	22.5	4.6	0	1	0	5	2	0	0	0	0	0	0	0
18:00	4	31.7	27.5	4.1	0	0	0	1	2	1	0	0	0	0	0	0
19:00	2	28.7	25.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
20:00	4	29.8	22.5	7.1	0	0	2	1	0	1	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	17.5	-	0	0	1	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	13	21.7	15.3	6.1	4	1	6	1	1	0	0	0	0	0	0	0
2H(14-16)	7	26.6	19.0	7.4	1	1	2	1	2	0	0	0	0	0	0	0
12H(7-19)	65	26.5	19.2	7.0	7	10	22	12	11	2	0	1	0	0	0	0
24H(0-24)	73	26.6	19.5	6.9	7	10	26	14	12	3	0	1	0	0	0	0
AM Peak	09:00 10	09:00 25.9	08:00 18.5	09:00 7.5	10:00 4	09:00 3	11:00 4	09:00 1	08:00 1	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	17:00 8	12:00 34.7	18:00 27.5	12:00 9.4	15:00 1	16:00 3	13:00 4	17:00 5	17:00 2	18:00 1	12:00 0	12:00 1	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Tween Bank ATC 8, Green Bank Road

Direction: Northbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	4	36.1	26.3	9.5	0	1	0	0	1	2	0	0	0	0	0	0
08:00	1	-	12.5	-	0	1	0	0	0	0	0	0	0	0	0	0
09:00	2	12.5	12.5	0.0	0	2	0	0	0	0	0	0	0	0	0	0
10:00	2	29.8	22.5	7.1	0	0	1	0	1	0	0	0	0	0	0	0
11:00	3	28.7	20.8	7.6	0	1	0	1	1	0	0	0	0	0	0	0
12:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
13:00	3	12.5	12.5	0.0	0	3	0	0	0	0	0	0	0	0	0	0
14:00	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
15:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
16:00	4	39.2	26.3	12.5	0	1	0	1	1	0	0	1	0	0	0	0
17:00	3	31.8	25.8	5.8	0	0	0	2	0	1	0	0	0	0	0	0
18:00	4	21.6	15.1	6.3	1	1	1	1	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	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
21:00	1	-	27.5	-	0	0	0	0	1	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	28.3	21.5	6.5	0	1	1	1	2	0	0	0	0	0	0	0
2H(14-16)	2	34.8	27.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
12H(7-19)	28	30.0	20.9	8.8	1	10	2	6	4	4	0	1	0	0	0	0
24H(0-24)	31	30.5	21.5	8.7	1	10	2	7	5	5	0	1	0	0	0	0
AM Peak	07:00	07:00	07:00	07:00	00:00	09:00	10:00	06:00	07:00	07:00	00:00	00:00	00:00	00:00	00:00	00:00
	4	36.1	26.3	9.5	0	2	1	1	1	2	0	0	0	0	0	0
PM Peak	16:00	16:00	20:00	16:00	18:00	13:00	18:00	17:00	16:00	14:00	12:00	16:00	12:00	12:00	12:00	12:00
	4	39.2	32.5	12.5	1	3	1	2	1	1	0	1	0	0	0	0

Paul Castle Associates

Direction: Southbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	24.8	17.5	7.1	0	1	0	1	0	0	0	0	0	0	0	0
08:00	2	25.9	15.3	10.3	1	0	0	1	0	0	0	0	0	0	0	0
09:00	2	31.0	20.0	10.6	0	1	0	0	1	0	0	0	0	0	0	0
10:00	2	23.7	20.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
11:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
12:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
13:00	4	41.0	32.5	8.2	0	0	0	1	0	2	0	1	0	0	0	0
14:00	3	32.2	29.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
15:00	4	44.9	35.0	9.6	0	0	0	0	2	0	1	0	1	0	0	0
16:00	4	31.2	26.3	4.8	0	0	0	2	1	1	0	0	0	0	0	0
17:00	6	34.5	29.2	5.2	0	0	0	1	3	1	1	0	0	0	0	0
18:00	3	35.0	24.2	10.4	0	1	0	0	1	1	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	2	32.0	17.8	13.8	1	0	0	0	1	0	0	0	0	0	0	0
21:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	3	27.7	22.5	5.0	0	0	1	1	1	0	0	0	0	0	0	0
2H(14-16)	7	40.4	32.5	7.6	0	0	0	0	4	1	1	0	1	0	0	0
12H(7-19)	34	35.4	26.8	8.3	1	3	1	7	12	6	2	1	1	0	0	0
24H(0-24)	40	34.7	25.8	8.6	2	4	2	7	15	6	2	1	1	0	0	0
AM Peak	05:00	09:00	11:00	09:00	08:00	05:00	05:00	07:00	09:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	2	31.0	27.5	10.6	1	1	1	1	1	0	0	0	0	0	0	0
PM Peak	17:00	15:00	15:00	20:00	20:00	18:00	12:00	16:00	17:00	13:00	15:00	13:00	15:00	12:00	12:00	12:00
	6	44.9	35.0	13.8	1	1	0	2	3	2	1	1	1	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	18.7	15.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
06:00	1	-	22.5	-	0	0	0	1	0	0	0	0	0	0	0	0
07:00	6	32.8	23.3	9.2	0	2	0	1	1	2	0	0	0	0	0	0
08:00	3	22.0	14.3	7.4	1	1	0	1	0	0	0	0	0	0	0	0
09:00	4	24.0	16.3	7.5	0	3	0	0	1	0	0	0	0	0	0	0
10:00	4	26.2	21.3	4.8	0	0	2	1	1	0	0	0	0	0	0	0
11:00	4	29.8	22.5	7.1	0	1	0	1	2	0	0	0	0	0	0	0
12:00	1	-	27.5	-	0	0	0	0	1	0	0	0	0	0	0	0
13:00	7	36.5	23.9	12.1	0	3	0	1	0	2	0	1	0	0	0	0
14:00	5	32.8	28.5	4.2	0	0	0	1	2	2	0	0	0	0	0	0
15:00	4	44.9	35.0	9.6	0	0	0	0	2	0	1	0	1	0	0	0
16:00	8	35.3	26.3	8.8	0	1	0	3	2	1	0	1	0	0	0	0
17:00	9	33.5	28.1	5.3	0	0	0	3	3	2	1	0	0	0	0	0
18:00	7	28.2	19.0	8.9	1	2	1	1	1	1	0	0	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	3	36.1	22.7	12.9	1	0	0	0	1	1	0	0	0	0	0	0
21:00	2	27.5	27.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
22:00	1	-	27.5	-	0	0	0	0	1	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	27.7	21.9	5.6	0	1	2	2	3	0	0	0	0	0	0	0
2H(14-16)	9	39.1	31.4	7.4	0	0	0	1	4	2	1	0	1	0	0	0
12H(7-19)	62	33.4	24.1	9.0	2	13	3	13	16	10	2	2	1	0	0	0
24H(0-24)	71	33.1	23.9	8.8	3	14	4	14	20	11	2	2	1	0	0	0
AM Peak	07:00 6	07:00 32.8	07:00 23.3	07:00 9.2	08:00 1	09:00 3	10:00 2	06:00 1	11:00 2	07:00 2	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	17:00 9	15:00 44.9	15:00 35.0	20:00 12.9	18:00 1	13:00 3	18:00 1	16:00 3	17:00 3	13:00 2	15:00 1	13:00 1	15:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates



Appendix i: Automatic Traffic Survey Reports – Link 9

Tween Bridge ATC 9, A614 Tudworth Road



Direction: Southbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	7	7	5	7	10	9	7	7	7
01:00	1	0	4	1	3	4	1	2	2
02:00	4	3	5	1	4	5	2	3	3
03:00	6	9	10	9	1	3	4	8	6
04:00	9	11	13	13	7	6	17	13	11
05:00	67	59	69	57	31	27	74	65	55
06:00	109	117	114	103	45	39	114	111	92
07:00	244	247	239	246	63	46	261	247	192
08:00	256	221	225	218	147	93	218	238	197
09:00	146	146	145	166	177	129	165	154	123
10:00	149	134	164	169	187	180	146	152	161
11:00	163	173	179	190	198	175	155	172	176
12:00	152	146	154	165	201	203	154	154	168
13:00	176	149	159	185	165	177	172	168	169
14:00	156	181	177	216	177	169	154	177	176
15:00	209	179	188	262	152	161	193	206	192
16:00	242	224	235	254	137	142	227	236	209
17:00	210	211	201	189	128	108	182	199	176
18:00	127	137	135	131	101	88	119	130	120
19:00	79	84	93	87	94	78	62	81	82
20:00	60	58	64	59	69	59	49	58	60
21:00	43	40	56	66	43	33	40	49	46
22:00	16	15	27	35	39	19	21	23	25
23:00	10	13	12	15	19	12	14	13	14
Total									
12H(7-19)	2230	2148	2201	2391	1833	1671	2146	2223	2089
16H(6-22)	2521	2447	2528	2706	2084	1880	2411	2523	2368
18H(6-24)	2547	2475	2567	2756	2142	1911	2446	2558	2406
24H(0-24)	2641	2564	2673	2844	2198	1965	2553	2655	2491
AM Peak	08:00	07:00	07:00	07:00	11:00	10:00	07:00	07:00	08:00
	256	247	239	246	198	180	261	247	197
PM Peak	16:00	16:00	16:00	15:00	12:00	12:00	16:00	16:00	16:00
	242	224	235	262	201	203	227	236	209

Paul Castle Associates

Direction: Northbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	4	4	7	8	16	17	8	6	9
01:00	1	3	2	1	5	1	4	2	2
02:00	3	0	5	1	2	3	5	3	3
03:00	4	8	5	4	1	0	4	5	4
04:00	12	16	10	12	4	6	10	12	10
05:00	46	49	48	40	25	13	22	41	35
06:00	78	78	63	66	32	30	64	70	59
07:00	180	169	185	162	89	53	154	170	142
08:00	234	211	216	222	131	66	196	216	182
09:00	187	146	179	171	167	118	165	170	162
10:00	151	145	127	174	174	150	155	150	154
11:00	152	163	135	164	190	208	170	157	169
12:00	189	138	163	173	234	190	168	166	179
13:00	170	185	169	212	241	188	175	182	191
14:00	219	191	184	211	266	192	206	202	210
15:00	226	254	229	259	264	193	220	238	235
16:00	254	274	250	242	202	134	246	253	229
17:00	269	259	248	236	123	146	226	248	215
18:00	168	165	177	165	116	104	150	165	149
19:00	102	125	101	115	80	80	68	102	96
20:00	59	72	87	80	68	83	70	74	74
21:00	54	45	55	65	59	48	58	55	55
22:00	23	41	42	37	45	25	28	34	34
23:00	20	10	20	25	24	12	19	19	19
Total									
12H(7-19)	2399	2300	2262	2391	2197	1742	2231	2317	2217
16H(6-22)	2692	2620	2568	2717	2436	1983	2491	2618	2501
18H(6-24)	2735	2671	2630	2779	2505	2020	2538	2671	2554
24H(0-24)	2805	2751	2707	2845	2558	2060	2591	2740	2617
AM Peak	08:00	08:00	08:00	08:00	11:00	11:00	08:00	08:00	08:00
	234	211	216	222	190	208	196	216	182
PM Peak	17:00	16:00	16:00	15:00	14:00	15:00	16:00	16:00	15:00
	269	274	250	259	266	193	246	253	235

Paul Castle Associates

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	11	11	12	15	26	26	15	13	17
01:00	2	3	6	2	8	5	7	4	5
02:00	7	3	10	2	6	8	7	6	6
03:00	10	17	15	13	2	3	8	13	10
04:00	21	27	23	25	11	12	27	25	21
05:00	113	108	117	97	56	40	96	106	90
06:00	187	195	177	169	77	69	178	181	150
07:00	424	416	424	408	152	99	415	417	334
08:00	490	432	441	440	278	159	414	443	379
09:00	333	292	324	337	344	247	330	323	315
10:00	300	279	291	343	361	330	301	303	315
11:00	315	336	314	354	388	383	325	329	345
12:00	341	284	317	338	415	393	322	320	347
13:00	346	334	328	397	406	365	347	350	360
14:00	375	372	361	427	443	361	360	379	386
15:00	435	433	417	521	416	354	413	444	427
16:00	496	498	485	496	339	176	473	490	438
17:00	479	470	449	425	251	254	408	446	391
18:00	295	302	312	296	217	192	269	295	269
19:00	181	209	194	202	174	158	130	183	178
20:00	119	130	151	139	117	142	119	132	134
21:00	97	85	111	131	102	81	98	104	101
22:00	39	56	69	72	84	44	49	57	59
23:00	30	23	32	40	43	24	33	32	32
Total									
12H(7-19)	4629	4448	4463	4782	4030	3413	4377	4540	4306
16H(6-22)	5213	5067	5096	5423	4520	3863	4902	5140	4869
18H(6-24)	5382	5146	5197	5535	4647	3931	4984	5229	4960
24H(0-24)	5446	5315	5380	5689	4756	4025	5144	5395	5108
AM Peak	08:00	08:00	08:00	08:00	11:00	11:00	07:00	08:00	08:00
	490	432	441	440	388	383	415	443	379
PM Peak	16:00	16:00	16:00	15:00	14:00	12:00	16:00	16:00	16:00
	496	498	485	521	443	393	473	490	438

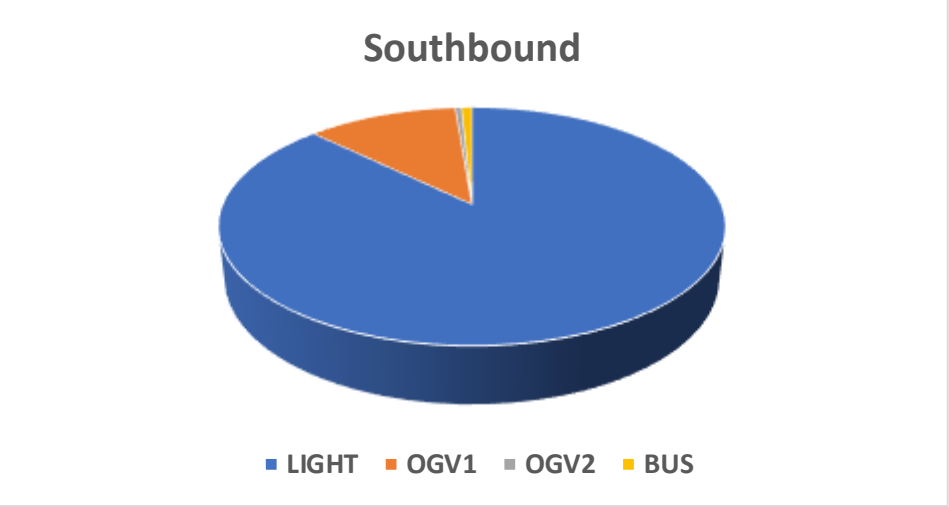
Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2641	2306	293	17	25
Wed 7 Jun 2023	2564	2204	319	13	28
Thu 8 Jun 2023	2673	2307	338	10	18
Fri 9 Jun 2023	2844	2458	348	16	22
Sat 10 Jun 2023	2198	2008	176	7	7
Sun 11 Jun 2023	1965	1775	165	6	19
Mon 12 Jun 2023	2553	2154	365	15	19
5 Day Ave.	2655	2286	333	14	22
7 Day Ave.	2491	2173	286	12	20

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	87.3%	11.1%	0.6%	0.9%
Wed 7 Jun 2023	100.0%	86.0%	12.4%	0.5%	1.1%
Thu 8 Jun 2023	100.0%	86.3%	12.6%	0.4%	0.7%
Fri 9 Jun 2023	100.0%	86.4%	12.2%	0.6%	0.8%
Sat 10 Jun 2023	100.0%	91.4%	8.0%	0.3%	0.3%
Sun 11 Jun 2023	100.0%	90.3%	8.4%	0.3%	1.0%
Mon 12 Jun 2023	100.0%	84.4%	14.3%	0.6%	0.7%
5 Day Ave.	100.0%	86.1%	12.5%	0.5%	0.8%
7 Day Ave.	100.0%	87.2%	11.5%	0.5%	0.8%

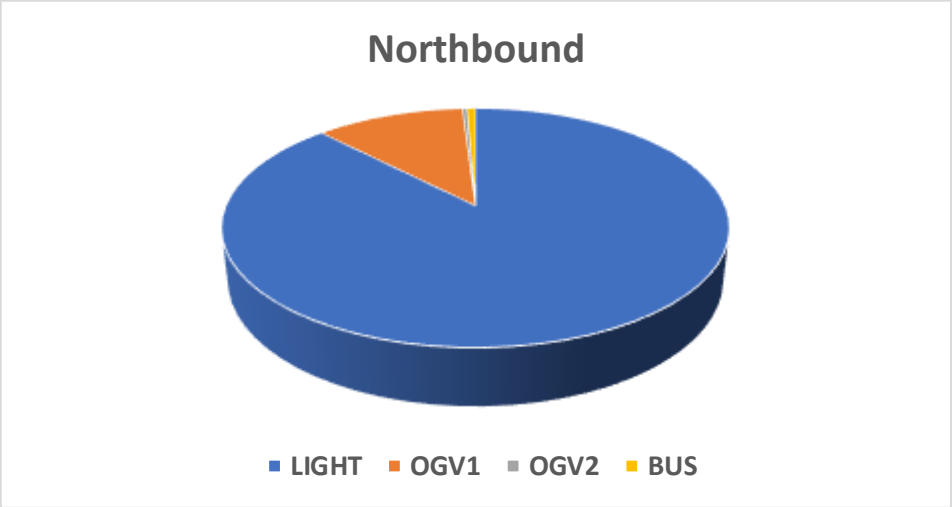
Paul Castle Associates



Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2805	2413	357	13	22
Wed 7 Jun 2023	2751	2379	347	8	17
Thu 8 Jun 2023	2707	2357	327	8	15
Fri 9 Jun 2023	2845	2466	350	10	19
Sat 10 Jun 2023	2558	2362	181	7	8
Sun 11 Jun 2023	2060	1879	158	7	16
Mon 12 Jun 2023	2591	2202	357	12	20
5 Day Ave.	2740	2363	348	10	19
7 Day Ave.	2617	2294	297	9	17

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	86.0%	12.7%	0.5%	0.8%
Wed 7 Jun 2023	100.0%	86.5%	12.6%	0.3%	0.6%
Thu 8 Jun 2023	100.0%	87.1%	12.1%	0.3%	0.6%
Fri 9 Jun 2023	100.0%	86.7%	12.3%	0.4%	0.7%
Sat 10 Jun 2023	100.0%	92.3%	7.1%	0.3%	0.3%
Sun 11 Jun 2023	100.0%	91.2%	7.7%	0.3%	0.8%
Mon 12 Jun 2023	100.0%	85.0%	13.8%	0.5%	0.8%
5 Day Ave.	100.0%	86.3%	12.7%	0.4%	0.7%
7 Day Ave.	100.0%	87.7%	11.3%	0.4%	0.6%

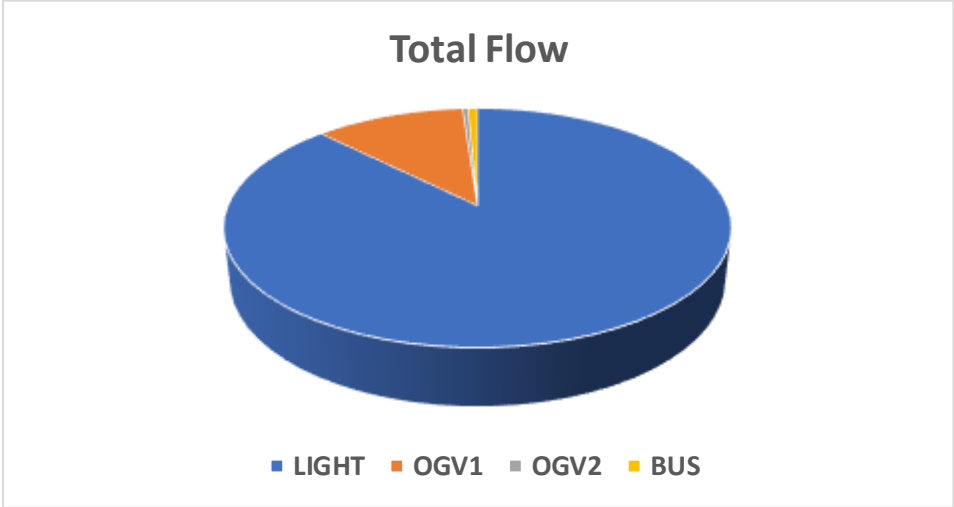
Paul Castle Associates



Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	5446	4719	650	30	47
Wed 7 Jun 2023	5315	4583	666	21	45
Thu 8 Jun 2023	5380	4664	665	18	33
Fri 9 Jun 2023	5689	4924	698	26	41
Sat 10 Jun 2023	4756	4370	357	14	15
Sun 11 Jun 2023	4025	3654	323	13	35
Mon 12 Jun 2023	5144	4356	722	27	39
5 Day Ave.	5395	4649	680	24	41
7 Day Ave.	5108	4467	583	21	36

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	86.7%	11.9%	0.6%	0.9%
Wed 7 Jun 2023	100.0%	86.2%	12.5%	0.4%	0.8%
Thu 8 Jun 2023	100.0%	86.7%	12.4%	0.3%	0.6%
Fri 9 Jun 2023	100.0%	86.6%	12.3%	0.5%	0.7%
Sat 10 Jun 2023	100.0%	91.9%	7.5%	0.3%	0.3%
Sun 11 Jun 2023	100.0%	90.8%	8.0%	0.3%	0.9%
Mon 12 Jun 2023	100.0%	84.7%	14.0%	0.5%	0.8%
5 Day Ave.	100.0%	86.2%	12.6%	0.5%	0.8%
7 Day Ave.	100.0%	87.5%	11.4%	0.4%	0.7%

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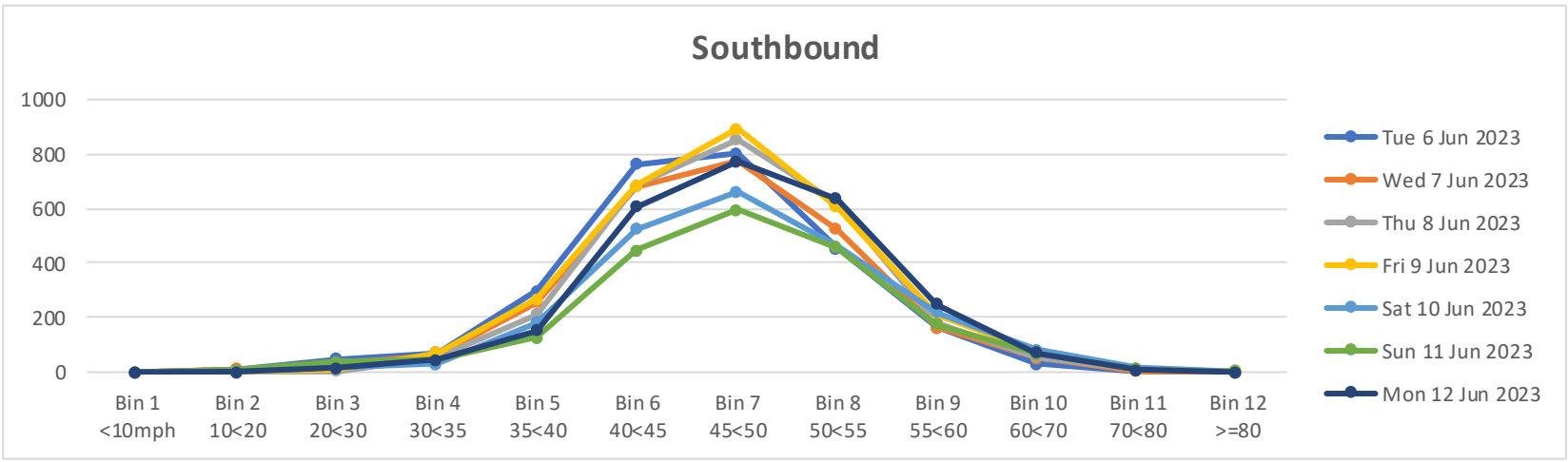


Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	2641	53.0	45.7	7.0	0	9	47	70	299	762	803	454	162	30	4	1
Wed 7 Jun 2023	2564	53.9	46.4	7.2	0	13	35	58	256	682	775	523	165	52	5	0
Thu 8 Jun 2023	2673	54.1	47.4	6.5	0	2	5	51	213	683	853	617	184	57	7	1
Fri 9 Jun 2023	2844	54.5	47.3	7.0	0	3	12	70	268	686	894	608	214	77	9	3
Sat 10 Jun 2023	2198	55.7	47.9	7.5	0	4	17	31	181	525	662	463	218	81	14	2
Sun 11 Jun 2023	1965	55.8	47.7	7.8	0	6	36	44	125	446	597	457	175	66	10	3
Mon 12 Jun 2023	2553	55.0	48.1	6.7	0	2	15	45	153	605	773	636	248	70	6	0
5 Day Ave.	2655	54.1	47.0	6.9	0	6	23	59	238	684	820	568	195	57	6	1
7 Day Ave.	2491	54.6	47.2	7.1	0	6	24	53	214	627	765	537	195	62	8	1

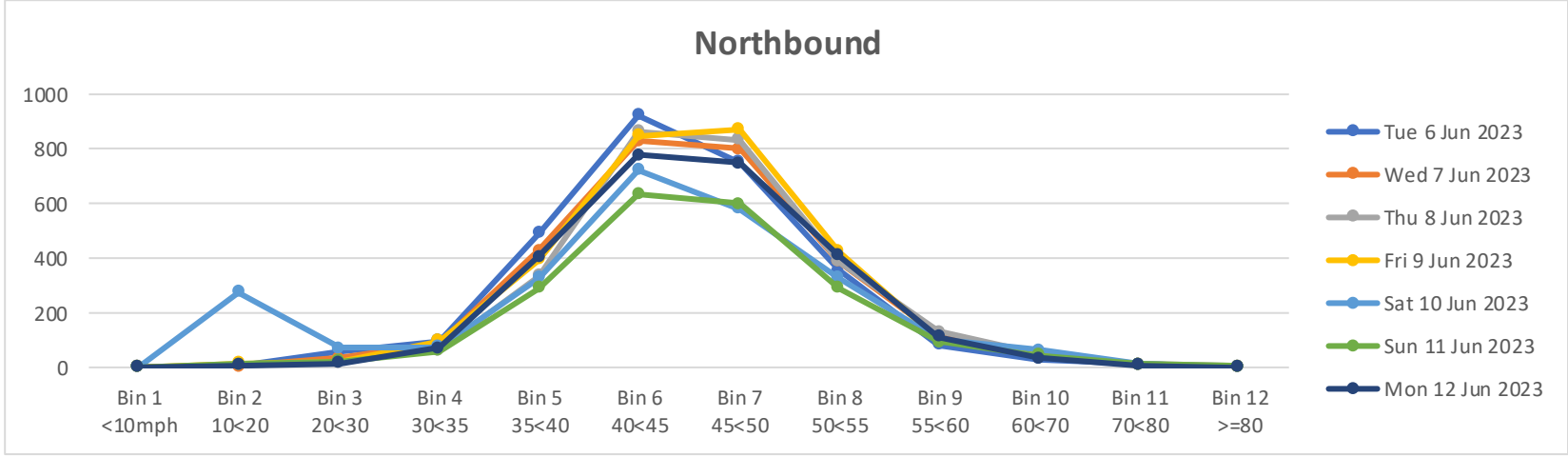
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Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	2805	51.6	44.3	7.1	1	8	56	96	491	922	752	353	82	32	11	1
Wed 7 Jun 2023	2751	52.5	45.2	7.0	1	5	34	88	427	830	800	389	116	53	7	1
Thu 8 Jun 2023	2707	53.0	45.7	7.0	1	9	18	65	334	863	834	389	131	47	12	4
Fri 9 Jun 2023	2845	52.8	45.4	7.2	0	14	21	96	394	850	871	424	106	57	7	5
Sat 10 Jun 2023	2558	54.2	41.9	11.9	2	274	71	75	326	722	582	327	102	62	13	2
Sun 11 Jun 2023	2060	53.3	45.4	7.5	0	11	21	61	292	634	600	290	92	44	10	5
Mon 12 Jun 2023	2591	52.3	45.3	6.8	0	8	16	72	407	779	748	408	111	35	6	1
5 Day Ave.	2740	52.4	45.2	7.0	1	9	29	83	411	849	801	393	109	45	9	2
7 Day Ave.	2617	52.8	44.7	7.8	1	47	34	79	382	800	741	369	106	47	9	3

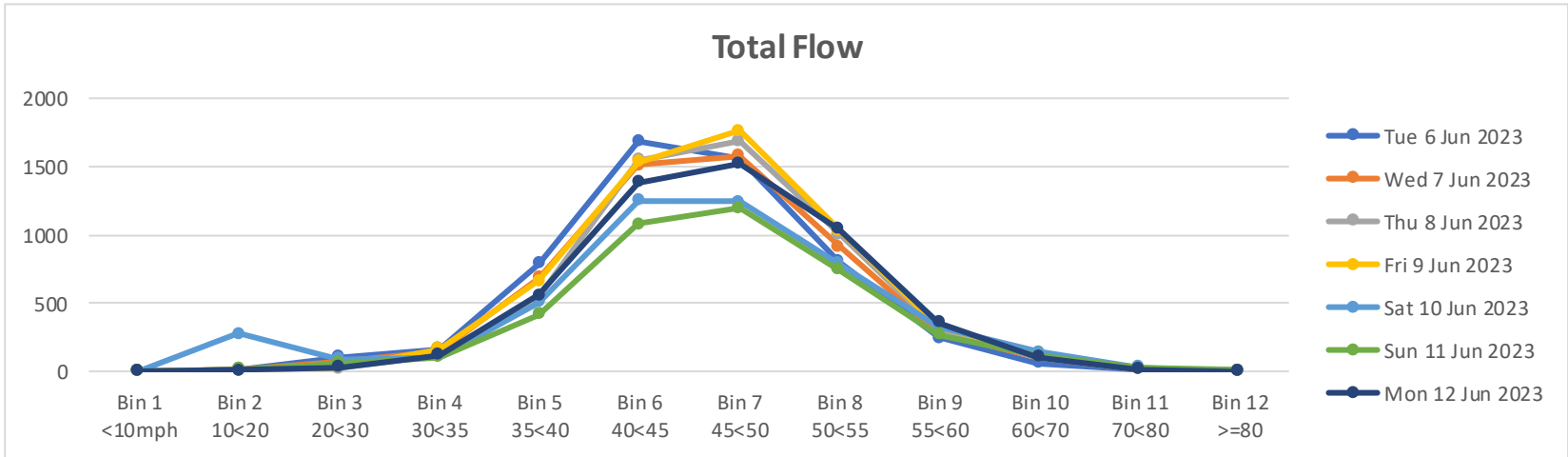
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	5446	52.3	45.0	7.1	1	17	103	166	790	1684	1555	807	244	62	15	2
Wed 7 Jun 2023	5315	53.2	45.8	7.2	1	18	69	146	683	1512	1575	912	281	105	12	1
Thu 8 Jun 2023	5380	53.6	46.5	6.8	1	11	23	116	547	1546	1687	1006	315	104	19	5
Fri 9 Jun 2023	5689	53.7	46.3	7.2	0	17	33	166	662	1536	1765	1032	320	134	16	8
Sat 10 Jun 2023	4756	55.6	44.7	10.6	2	278	88	106	507	1247	1244	790	320	143	27	4
Sun 11 Jun 2023	4025	54.6	46.6	7.7	0	17	57	105	417	1080	1197	747	267	110	20	8
Mon 12 Jun 2023	5144	53.8	46.7	6.9	0	10	31	117	560	1384	1521	1044	359	105	12	1
5 Day Ave.	5395	53.3	46.1	7.0	1	15	52	142	648	1532	1621	960	304	102	15	3
7 Day Ave.	5108	53.8	45.9	7.6	1	53	58	132	595	1427	1506	905	301	109	17	4

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Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	312	51.3	44.1	6.9	0	4	1	10	64	99	75	45	13	1	0	0
Wed 7 Jun 2023	307	52.1	43.3	8.5	0	11	6	9	57	92	81	35	13	3	0	0
Thu 8 Jun 2023	343	52.1	45.9	6.0	0	0	1	12	32	105	116	58	16	3	0	0
Fri 9 Jun 2023	359	52.6	45.5	6.9	0	0	5	16	40	116	92	66	18	6	0	0
Sat 10 Jun 2023	385	55.0	47.6	7.2	0	2	3	7	25	98	117	83	39	10	1	0
Sun 11 Jun 2023	355	54.8	46.7	7.8	0	2	12	7	20	90	113	76	25	9	1	0
Mon 12 Jun 2023	301	52.7	45.5	7.0	0	0	6	17	22	103	76	55	19	3	0	0
5 Day Ave.	324	52.2	44.8	7.1	0	3	4	13	43	103	88	52	16	3	0	0
7 Day Ave.	337	53.0	45.5	7.2	0	3	5	11	37	100	96	60	20	5	0	0

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Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	303	50.5	43.2	7.1	0	2	4	16	69	102	73	26	7	2	2	0
Wed 7 Jun 2023	308	50.6	43.6	6.8	0	1	8	11	59	115	66	35	10	3	0	0
Thu 8 Jun 2023	262	50.2	43.4	6.6	0	1	5	11	52	96	62	25	8	2	0	0
Fri 9 Jun 2023	338	50.8	43.6	6.9	0	4	4	13	54	132	87	36	5	2	0	1
Sat 10 Jun 2023	364	54.1	44.5	9.3	0	13	5	10	50	118	89	52	13	11	3	0
Sun 11 Jun 2023	358	51.5	44.6	6.7	0	1	3	7	68	126	93	40	14	4	2	0
Mon 12 Jun 2023	325	48.9	41.8	6.9	0	3	6	24	97	102	66	17	8	1	1	0
5 Day Ave.	307	50.2	43.1	6.9	0	2	5	15	66	109	71	28	8	2	1	0
7 Day Ave.	323	51.0	43.5	7.2	0	4	5	13	64	113	77	33	9	4	1	0

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	615	50.9	43.6	7.0	0	6	5	26	133	201	148	71	20	3	2	0
Wed 7 Jun 2023	615	51.4	43.4	7.7	0	12	14	20	116	207	147	70	23	6	0	0
Thu 8 Jun 2023	605	51.4	44.8	6.4	0	1	6	23	84	201	178	83	24	5	0	0
Fri 9 Jun 2023	697	51.8	44.6	7.0	0	4	9	29	94	248	179	102	23	8	0	1
Sat 10 Jun 2023	749	54.8	46.1	8.4	0	15	8	17	75	216	206	135	52	21	4	0
Sun 11 Jun 2023	713	53.3	45.6	7.4	0	3	15	14	88	216	206	116	39	13	3	0
Mon 12 Jun 2023	626	51.0	43.6	7.2	0	3	12	41	119	205	142	72	27	4	1	0
5 Day Ave.	632	51.3	44.0	7.0	0	5	9	28	109	212	159	80	23	5	1	0
7 Day Ave.	660	52.1	44.5	7.3	0	6	10	24	101	213	172	93	30	9	1	0

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	365	52.4	44.9	7.3	0	0	16	7	36	134	97	49	20	6	0	0
Wed 7 Jun 2023	360	53.2	46.2	6.7	0	0	9	9	19	113	115	76	15	2	2	0
Thu 8 Jun 2023	365	53.2	47.2	5.8	0	0	0	2	33	101	116	87	20	6	0	0
Fri 9 Jun 2023	478	54.0	47.5	6.3	0	1	0	4	35	124	169	100	38	4	2	1
Sat 10 Jun 2023	329	53.7	46.5	6.9	0	0	5	7	41	75	102	71	23	4	1	0
Sun 11 Jun 2023	330	55.7	47.9	7.4	0	3	3	3	18	76	111	70	32	14	0	0
Mon 12 Jun 2023	347	54.3	48.1	6.0	0	0	0	1	18	95	107	91	28	5	2	0
5 Day Ave.	383	53.4	46.8	6.4	0	0	5	5	28	113	121	81	24	5	1	0
7 Day Ave.	368	53.8	46.9	6.6	0	1	5	5	29	103	117	78	25	6	1	0

Paul Castle Associates

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	445	50.3	43.0	7.0	0	0	19	17	92	154	114	37	6	4	2	0
Wed 7 Jun 2023	445	51.0	44.4	6.3	0	0	2	18	86	140	127	53	11	8	0	0
Thu 8 Jun 2023	413	53.1	46.2	6.7	0	1	0	5	52	128	129	70	19	6	2	1
Fri 9 Jun 2023	470	51.7	44.4	7.0	0	2	2	33	76	142	126	65	15	9	0	0
Sat 10 Jun 2023	530	50.1	35.2	14.4	2	139	36	32	64	104	90	41	11	10	1	0
Sun 11 Jun 2023	385	53.2	46.1	6.9	0	0	0	6	49	140	104	52	22	10	0	2
Mon 12 Jun 2023	426	51.8	45.1	6.5	0	3	0	8	73	135	122	59	22	4	0	0
5 Day Ave.	440	51.6	44.6	6.7	0	1	5	16	76	140	124	57	15	6	1	0
7 Day Ave.	445	51.6	43.5	7.8	0	21	8	17	70	135	116	54	15	7	1	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	810	51.3	43.9	7.2	0	0	35	24	128	288	211	86	26	10	2	0
Wed 7 Jun 2023	805	52.0	45.2	6.6	0	0	11	27	105	253	242	129	26	10	2	0
Thu 8 Jun 2023	778	53.2	46.7	6.3	0	1	0	7	85	229	245	157	39	12	2	1
Fri 9 Jun 2023	948	53.0	46.0	6.8	0	3	2	37	111	266	295	165	53	13	2	1
Sat 10 Jun 2023	859	53.3	39.5	13.3	2	139	41	39	105	179	192	112	34	14	2	0
Sun 11 Jun 2023	715	54.4	46.9	7.2	0	3	3	9	67	216	215	122	54	24	0	2
Mon 12 Jun 2023	773	53.1	46.4	6.5	0	3	0	9	91	230	229	150	50	9	2	0
5 Day Ave.	823	52.5	45.6	6.7	0	1	10	21	104	253	244	137	39	11	2	0
7 Day Ave.	813	52.9	44.9	7.7	0	21	13	22	99	237	233	132	40	13	2	1

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound					
06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	0	1	0
01:00	1	1	0	0	0
02:00	4	4	0	0	0
03:00	6	5	0	1	0
04:00	9	6	3	0	0
05:00	67	60	5	2	0
06:00	109	99	10	0	0
07:00	244	212	27	3	2
08:00	256	222	31	1	2
09:00	146	122	21	2	1
10:00	149	125	21	0	3
11:00	163	137	23	1	2
12:00	152	127	24	1	0
13:00	176	151	21	2	2
14:00	156	135	17	1	3
15:00	209	171	36	0	2
16:00	242	225	15	0	2
17:00	210	191	17	2	0
18:00	127	119	7	0	1
19:00	79	67	11	0	1
20:00	60	56	3	0	1
21:00	43	41	1	0	1
22:00	16	15	0	0	1
23:00	10	9	0	0	1
Total					
12H(7-19)	2230	1937	260	13	20
16H(6-22)	2521	2200	285	13	23
18H(6-24)	2547	2224	285	13	25
24H(0-24)	2641	2306	293	17	25
AM Peak	08:00 256	08:00 222	08:00 31	07:00 3	10:00 3
PM Peak	16:00 242	16:00 225	15:00 36	13:00 2	14:00 3

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	0	0	1
01:00	1	1	0	0	0
02:00	3	2	1	0	0
03:00	4	2	2	0	0
04:00	12	9	3	0	0
05:00	46	41	4	1	0
06:00	78	67	10	0	1
07:00	180	152	25	0	3
08:00	234	200	30	1	3
09:00	187	145	40	1	1
10:00	151	129	22	0	0
11:00	152	127	23	1	1
12:00	189	160	27	2	0
13:00	170	143	25	1	1
14:00	219	188	29	1	1
15:00	226	193	30	0	3
16:00	254	215	37	0	2
17:00	269	252	15	1	1
18:00	168	150	16	2	0
19:00	102	91	10	1	0
20:00	59	53	3	1	2
21:00	54	50	4	0	0
22:00	23	22	0	0	1
23:00	20	18	1	0	1
Total					
12H(7-19)	2399	2054	319	10	16
16H(6-22)	2692	2315	346	12	19
18H(6-24)	2735	2355	347	12	21
24H(0-24)	2805	2413	357	13	22
AM Peak	08:00 234	08:00 200	09:00 40	05:00 1	07:00 3
PM Peak	17:00 269	17:00 252	16:00 37	12:00 2	15:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	9	0	1	1
01:00	2	2	0	0	0
02:00	7	6	1	0	0
03:00	10	7	2	1	0
04:00	21	15	6	0	0
05:00	113	101	9	3	0
06:00	187	166	20	0	1
07:00	424	364	52	3	5
08:00	490	422	61	2	5
09:00	333	267	61	3	2
10:00	300	254	43	0	3
11:00	315	264	46	2	3
12:00	341	287	51	3	0
13:00	346	294	46	3	3
14:00	375	323	46	2	4
15:00	435	364	66	0	5
16:00	496	440	52	0	4
17:00	479	443	32	3	1
18:00	295	269	23	2	1
19:00	181	158	21	1	1
20:00	119	109	6	1	3
21:00	97	91	5	0	1
22:00	39	37	0	0	2
23:00	30	27	1	0	2
Total					
12H(7-19)	4629	3991	579	23	36
16H(6-22)	5213	4515	631	25	42
18H(6-24)	5282	4579	632	25	46
24H(0-24)	5446	4719	650	30	47
AM Peak	08:00 490	08:00 422	08:00 61	05:00 3	07:00 5
PM Peak	16:00 496	17:00 443	15:00 66	12:00 3	15:00 5

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	5	2	0	0
01:00	0	0	0	0	0
02:00	3	3	0	0	0
03:00	9	7	1	1	0
04:00	11	10	1	0	0
05:00	59	54	4	0	1
06:00	117	101	15	0	1
07:00	247	213	28	2	4
08:00	221	184	33	2	2
09:00	146	126	20	0	0
10:00	134	108	22	0	4
11:00	173	142	28	2	1
12:00	146	119	24	2	1
13:00	149	134	12	0	3
14:00	181	157	21	0	3
15:00	179	151	26	1	1
16:00	224	193	28	3	0
17:00	211	193	17	0	1
18:00	137	120	16	0	1
19:00	84	73	10	0	1
20:00	58	51	6	0	1
21:00	40	35	4	0	1
22:00	15	14	0	0	1
23:00	13	11	1	0	1
Total					
12H(7-19)	2148	1840	275	12	21
16H(6-22)	2447	2100	310	12	25
18H(6-24)	2475	2125	311	12	27
24H(0-24)	2564	2204	319	13	28
AM Peak	07:00 247	07:00 213	08:00 33	07:00 2	07:00 4
PM Peak	16:00 224	16:00 193	16:00 28	16:00 3	13:00 3

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	1	0	0
01:00	3	3	0	0	0
02:00	0	0	0	0	0
03:00	8	4	4	0	0
04:00	16	15	1	0	0
05:00	49	45	4	0	0
06:00	78	67	11	0	0
07:00	169	146	20	0	3
08:00	211	183	26	1	1
09:00	146	118	26	0	2
10:00	145	121	24	0	0
11:00	163	129	33	0	1
12:00	138	118	19	0	1
13:00	185	159	26	0	0
14:00	191	169	21	1	0
15:00	254	215	37	0	2
16:00	274	247	24	2	1
17:00	259	229	29	0	1
18:00	165	150	13	1	1
19:00	125	111	14	0	0
20:00	72	62	6	3	1
21:00	45	40	4	0	1
22:00	41	39	1	0	1
23:00	10	6	3	0	1
Total					
12H(7-19)	2300	1984	298	5	13
16H(6-22)	2620	2264	333	8	15
18H(6-24)	2671	2309	337	8	17
24H(0-24)	2751	2379	347	8	17
AM Peak	08:00 211	08:00 183	11:00 33	08:00 1	07:00 3
PM Peak	16:00 274	16:00 247	15:00 37	20:00 3	15:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	8	3	0	0
01:00	3	3	0	0	0
02:00	3	3	0	0	0
03:00	17	11	5	1	0
04:00	27	25	2	0	0
05:00	108	99	8	0	1
06:00	195	168	26	0	1
07:00	416	359	48	2	7
08:00	432	367	59	3	3
09:00	292	244	46	0	2
10:00	279	229	46	0	4
11:00	336	271	61	2	2
12:00	284	237	43	2	2
13:00	334	293	38	0	3
14:00	372	326	42	1	3
15:00	433	366	63	1	3
16:00	498	440	52	5	1
17:00	470	422	46	0	2
18:00	302	270	29	1	2
19:00	209	184	24	0	1
20:00	130	113	12	3	2
21:00	85	75	8	0	2
22:00	56	53	1	0	2
23:00	23	17	4	0	2
Total					
12H(7-19)	4448	3824	573	17	34
16H(6-22)	5067	4364	643	20	40
18H(6-24)	5146	4434	648	20	44
24H(0-24)	5315	4583	666	21	45
AM Peak	08:00 432	08:00 367	11:00 61	08:00 3	07:00 7
PM Peak	16:00 498	16:00 440	15:00 63	16:00 5	13:00 3

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound					
08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	4	0	1	0
01:00	4	4	0	0	0
02:00	5	5	0	0	0
03:00	10	8	1	1	0
04:00	13	10	3	0	0
05:00	69	66	3	0	0
06:00	114	99	13	1	1
07:00	239	206	29	1	3
08:00	225	189	33	1	2
09:00	145	118	26	1	0
10:00	164	135	28	1	0
11:00	179	151	27	0	1
12:00	154	130	24	0	0
13:00	159	128	29	2	0
14:00	177	146	30	0	1
15:00	188	166	20	1	1
16:00	235	206	28	0	1
17:00	201	191	9	0	1
18:00	135	123	11	0	1
19:00	93	85	7	0	1
20:00	64	54	8	0	2
21:00	56	50	5	0	1
22:00	27	23	3	0	1
23:00	12	10	1	0	1
Total					
12H(7-19)	2201	1889	294	7	11
16H(6-22)	2528	2177	327	8	16
18H(6-24)	2567	2210	331	8	18
24H(0-24)	2673	2307	338	10	18
AM Peak	07:00 239	07:00 206	08:00 33	00:00 1	07:00 3
PM Peak	16:00 235	16:00 206	14:00 30	13:00 2	20:00 2

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	4	3	0	0
01:00	2	2	0	0	0
02:00	5	3	2	0	0
03:00	5	2	3	0	0
04:00	10	8	2	0	0
05:00	48	46	1	1	0
06:00	63	54	7	0	2
07:00	185	157	26	0	2
08:00	216	185	29	1	1
09:00	179	136	41	2	0
10:00	127	108	18	1	0
11:00	135	120	15	0	0
12:00	163	146	16	1	0
13:00	169	146	21	0	2
14:00	184	150	32	2	0
15:00	229	205	22	0	2
16:00	250	212	36	0	2
17:00	248	229	19	0	0
18:00	177	165	11	0	1
19:00	101	92	9	0	0
20:00	87	80	6	0	1
21:00	55	50	5	0	0
22:00	42	40	1	0	1
23:00	20	17	2	0	1
Total					
12H(7-19)	2262	1959	286	7	10
16H(6-22)	2568	2235	313	7	13
18H(6-24)	2630	2292	316	7	15
24H(0-24)	2707	2357	327	8	15
AM Peak	08:00 216	08:00 185	09:00 41	09:00 2	06:00 2
PM Peak	16:00 250	17:00 229	16:00 36	14:00 2	13:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	8	3	1	0
01:00	6	6	0	0	0
02:00	10	8	2	0	0
03:00	15	10	4	1	0
04:00	23	18	5	0	0
05:00	117	112	4	1	0
06:00	177	153	20	1	3
07:00	424	363	55	1	5
08:00	441	374	62	2	3
09:00	324	254	67	3	0
10:00	291	243	46	2	0
11:00	314	271	42	0	1
12:00	317	276	40	1	0
13:00	328	274	50	2	2
14:00	361	296	62	2	1
15:00	417	371	42	1	3
16:00	485	418	64	0	3
17:00	449	420	28	0	1
18:00	312	288	22	0	2
19:00	194	177	16	0	1
20:00	151	134	14	0	3
21:00	111	100	10	0	1
22:00	69	63	4	0	2
23:00	32	27	3	0	2
Total					
12H(7-19)	4463	3848	580	14	21
16H(6-22)	5096	4412	640	15	29
18H(6-24)	5197	4502	647	15	33
24H(0-24)	5380	4664	665	18	33
AM Peak	08:00 441	08:00 374	09:00 67	09:00 3	07:00 5
PM Peak	16:00 485	17:00 420	16:00 64	13:00 2	15:00 3

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	1	0	0
01:00	1	1	0	0	0
02:00	1	1	0	0	0
03:00	9	8	0	1	0
04:00	13	11	0	2	0
05:00	57	53	3	1	0
06:00	103	89	13	0	1
07:00	246	204	38	1	3
08:00	218	186	30	1	1
09:00	166	140	22	1	3
10:00	169	134	30	2	3
11:00	190	159	31	0	0
12:00	165	135	29	0	1
13:00	185	161	22	1	1
14:00	216	189	27	0	0
15:00	262	231	29	1	1
16:00	254	225	26	3	0
17:00	189	174	14	0	1
18:00	131	118	11	0	2
19:00	87	80	5	1	1
20:00	59	48	9	1	1
21:00	66	59	6	0	1
22:00	35	33	1	0	1
23:00	15	13	1	0	1
Total					
12H(7-19)	2391	2056	309	10	16
16H(6-22)	2706	2332	342	12	20
18H(6-24)	2756	2378	344	12	22
24H(0-24)	2844	2458	348	16	22
AM Peak	07:00 246	07:00 204	07:00 38	04:00 2	07:00 3
PM Peak	15:00 262	15:00 231	12:00 29	16:00 3	18:00 2

Paul Castle Associates

Direction: Northbound

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	4	1	2	1	0
04:00	12	8	4	0	0
05:00	40	36	4	0	0
06:00	66	54	10	0	2
07:00	162	136	22	0	4
08:00	222	190	31	1	0
09:00	171	141	28	1	1
10:00	174	143	29	0	2
11:00	164	143	19	0	2
12:00	173	153	19	0	1
13:00	212	183	26	3	0
14:00	211	179	32	0	0
15:00	259	215	40	1	3
16:00	242	217	24	1	0
17:00	236	204	30	2	0
18:00	165	155	9	0	1
19:00	115	106	9	0	0
20:00	80	75	4	0	1
21:00	65	59	5	0	1
22:00	37	35	1	0	1
23:00	25	23	2	0	0
Total					
12H(7-19)	2391	2059	309	9	14
16H(6-22)	2717	2353	337	9	18
18H(6-24)	2779	2411	340	9	19
24H(0-24)	2845	2466	350	10	19
AM Peak	08:00 222	08:00 190	08:00 31	03:00 1	07:00 4
PM Peak	15:00 259	16:00 217	15:00 40	13:00 3	15:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	14	1	0	0
01:00	2	2	0	0	0
02:00	2	2	0	0	0
03:00	13	9	2	2	0
04:00	25	19	4	2	0
05:00	97	89	7	1	0
06:00	169	143	23	0	3
07:00	408	340	60	1	7
08:00	440	376	61	2	1
09:00	337	281	50	2	4
10:00	343	277	59	2	5
11:00	354	302	50	0	2
12:00	338	288	48	0	2
13:00	397	344	48	4	1
14:00	427	368	59	0	0
15:00	521	446	69	2	4
16:00	496	442	50	4	0
17:00	425	378	44	2	1
18:00	296	273	20	0	3
19:00	202	186	14	1	1
20:00	139	123	13	1	2
21:00	131	118	11	0	2
22:00	72	68	2	0	2
23:00	40	36	3	0	1
Total					
12H(7-19)	4782	4115	618	19	30
16H(6-22)	5423	4685	679	21	38
18H(6-24)	5535	4789	684	21	41
24H(0-24)	5689	4924	698	26	41
AM Peak	08:00 440	08:00 376	08:00 61	03:00 2	07:00 7
PM Peak	15:00 521	15:00 446	15:00 69	13:00 4	15:00 4

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound					
10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	7	3	0	0
01:00	3	3	0	0	0
02:00	4	4	0	0	0
03:00	1	1	0	0	0
04:00	7	7	0	0	0
05:00	31	30	1	0	0
06:00	45	41	3	0	1
07:00	63	56	7	0	0
08:00	147	136	11	0	0
09:00	177	167	10	0	0
10:00	187	169	17	0	1
11:00	198	181	16	1	0
12:00	201	187	14	0	0
13:00	165	150	13	2	0
14:00	177	160	17	0	0
15:00	152	139	13	0	0
16:00	137	124	11	1	1
17:00	128	115	13	0	0
18:00	101	95	5	0	1
19:00	94	81	12	1	0
20:00	69	61	5	2	1
21:00	43	38	4	0	1
22:00	39	38	0	0	1
23:00	19	18	1	0	0
Total					
12H(7-19)	1833	1679	147	4	3
16H(6-22)	2084	1900	171	7	6
18H(6-24)	2142	1956	172	7	7
24H(0-24)	2198	2008	176	7	7
AM Peak	11:00 198	11:00 181	10:00 17	11:00 1	06:00 1
PM Peak	12:00 201	12:00 187	14:00 17	13:00 2	16:00 1

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	16	0	0	0
01:00	5	5	0	0	0
02:00	2	2	0	0	0
03:00	1	1	0	0	0
04:00	4	4	0	0	0
05:00	25	23	2	0	0
06:00	32	25	6	0	1
07:00	89	76	11	1	1
08:00	131	116	15	0	0
09:00	167	151	16	0	0
10:00	174	162	10	2	0
11:00	190	179	11	0	0
12:00	234	214	20	0	0
13:00	241	228	13	0	0
14:00	266	248	17	1	0
15:00	264	248	16	0	0
16:00	202	194	6	1	1
17:00	123	116	6	0	1
18:00	116	109	7	0	0
19:00	80	71	9	0	0
20:00	68	63	3	1	1
21:00	59	51	7	0	1
22:00	45	42	1	1	1
23:00	24	18	5	0	1
Total					
12H(7-19)	2197	2041	148	5	3
16H(6-22)	2436	2251	173	6	6
18H(6-24)	2505	2311	179	7	8
24H(0-24)	2558	2362	181	7	8
AM Peak	11:00 190	11:00 179	09:00 16	10:00 2	06:00 1
PM Peak	14:00 266	14:00 248	12:00 20	14:00 1	16:00 1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	26	23	3	0	0
01:00	8	8	0	0	0
02:00	6	6	0	0	0
03:00	2	2	0	0	0
04:00	11	11	0	0	0
05:00	56	53	3	0	0
06:00	77	66	9	0	2
07:00	152	132	18	1	1
08:00	278	252	26	0	0
09:00	344	318	26	0	0
10:00	361	331	27	2	1
11:00	388	360	27	1	0
12:00	435	401	34	0	0
13:00	406	378	26	2	0
14:00	443	408	34	1	0
15:00	416	387	29	0	0
16:00	339	318	17	2	2
17:00	251	231	19	0	1
18:00	217	204	12	0	1
19:00	174	152	21	1	0
20:00	137	124	8	3	2
21:00	102	89	11	0	2
22:00	84	80	1	1	2
23:00	43	36	6	0	1
Total					
12H(7-19)	4030	3720	295	9	6
16H(6-22)	4520	4151	344	13	12
18H(6-24)	4647	4267	351	14	15
24H(0-24)	4756	4370	357	14	15
AM Peak	11:00 388	11:00 360	10:00 27	10:00 2	06:00 2
PM Peak	14:00 443	14:00 408	12:00 34	20:00 3	16:00 2

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound					
11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	9	0	0	0
01:00	4	4	0	0	0
02:00	5	5	0	0	0
03:00	3	2	1	0	0
04:00	6	5	1	0	0
05:00	27	25	2	0	0
06:00	39	37	1	0	1
07:00	46	42	4	0	0
08:00	93	83	9	0	1
09:00	129	119	10	0	0
10:00	180	167	11	1	1
11:00	175	158	14	2	1
12:00	203	186	16	0	1
13:00	177	161	15	0	1
14:00	169	152	15	0	2
15:00	161	150	9	1	1
16:00	142	128	12	0	2
17:00	108	93	13	0	2
18:00	88	76	11	0	1
19:00	78	70	6	1	1
20:00	59	49	8	1	1
21:00	33	27	5	0	1
22:00	19	17	1	0	1
23:00	12	10	1	0	1
Total					
12H(7-19)	1671	1515	139	4	13
16H(6-22)	1880	1698	159	6	17
18H(6-24)	1911	1725	161	6	19
24H(0-24)	1965	1775	165	6	19
AM Peak	10:00 180	10:00 167	11:00 14	11:00 2	06:00 1
PM Peak	12:00 203	12:00 186	12:00 16	15:00 1	14:00 2

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	16	1	0	0
01:00	1	1	0	0	0
02:00	3	3	0	0	0
03:00	0	0	0	0	0
04:00	6	6	0	0	0
05:00	13	12	1	0	0
06:00	30	28	1	0	1
07:00	53	49	3	0	1
08:00	66	59	7	0	0
09:00	118	104	14	0	0
10:00	150	141	7	1	1
11:00	208	189	15	3	1
12:00	190	173	15	1	1
13:00	188	177	10	0	1
14:00	192	179	12	0	1
15:00	193	173	19	0	1
16:00	134	122	9	2	1
17:00	146	138	7	0	1
18:00	104	93	10	0	1
19:00	80	72	7	0	1
20:00	83	73	9	0	1
21:00	48	42	5	0	1
22:00	25	20	4	0	1
23:00	12	9	2	0	1
Total					
12H(7-19)	1742	1597	128	7	10
16H(6-22)	1983	1812	150	7	14
18H(6-24)	2020	1841	156	7	16
24H(0-24)	2060	1879	158	7	16
AM Peak	11:00 208	11:00 189	11:00 15	11:00 3	06:00 1
PM Peak	15:00 193	14:00 179	15:00 19	16:00 2	12:00 1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	26	25	1	0	0
01:00	5	5	0	0	0
02:00	8	8	0	0	0
03:00	3	2	1	0	0
04:00	12	11	1	0	0
05:00	40	37	3	0	0
06:00	69	65	2	0	2
07:00	99	91	7	0	1
08:00	159	142	16	0	1
09:00	247	223	24	0	0
10:00	330	308	18	2	2
11:00	383	347	29	5	2
12:00	393	359	31	1	2
13:00	365	338	25	0	2
14:00	361	331	27	0	3
15:00	354	323	28	1	2
16:00	276	250	21	2	3
17:00	254	231	20	0	3
18:00	192	169	21	0	2
19:00	158	142	13	1	2
20:00	142	122	17	1	2
21:00	81	69	10	0	2
22:00	44	37	5	0	2
23:00	24	19	3	0	2
Total					
12H(7-19)	3413	3112	267	11	23
16H(6-22)	3863	3510	309	13	31
18H(6-24)	3931	3566	317	13	35
24H(0-24)	4025	3654	323	13	35
AM Peak	11:00 383	11:00 347	11:00 29	11:00 5	06:00 2
PM Peak	12:00 393	12:00 359	12:00 31	16:00 2	14:00 3

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound					
12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	3	1	2	0	0
02:00	2	2	0	0	0
03:00	4	3	1	0	0
04:00	17	13	2	2	0
05:00	74	69	4	1	0
06:00	114	91	22	1	0
07:00	261	231	28	0	2
08:00	218	180	35	1	2
09:00	165	136	27	1	1
10:00	146	113	29	0	4
11:00	155	118	33	2	2
12:00	154	128	24	2	0
13:00	172	138	34	0	0
14:00	154	123	30	0	1
15:00	193	161	30	1	1
16:00	227	201	26	0	0
17:00	182	166	14	1	1
18:00	119	110	7	2	0
19:00	62	54	7	0	1
20:00	49	42	6	0	1
21:00	40	38	1	0	1
22:00	21	18	1	1	1
23:00	14	11	2	0	1
Total					
12H(7-19)	2146	1805	317	10	14
16H(6-22)	2411	2030	353	11	17
18H(6-24)	2446	2059	356	12	19
24H(0-24)	2553	2154	365	15	19
AM Peak	07:00 261	07:00 231	08:00 35	04:00 2	10:00 4
PM Peak	16:00 227	16:00 201	13:00 34	12:00 2	14:00 1

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	1	0	0
01:00	4	3	1	0	0
02:00	5	5	0	0	0
03:00	4	2	2	0	0
04:00	10	9	1	0	0
05:00	22	15	7	0	0
06:00	64	50	13	1	0
07:00	154	126	25	0	3
08:00	196	166	28	0	2
09:00	165	134	28	1	2
10:00	155	130	23	2	0
11:00	170	143	25	1	1
12:00	168	140	26	0	2
13:00	175	149	25	0	1
14:00	206	170	34	2	0
15:00	220	182	33	2	3
16:00	246	217	26	2	1
17:00	226	204	21	1	0
18:00	150	134	15	0	1
19:00	68	61	7	0	0
20:00	70	63	6	0	1
21:00	58	52	5	0	1
22:00	28	25	2	0	1
23:00	19	15	3	0	1
Total					
12H(7-19)	2231	1895	309	11	16
16H(6-22)	2491	2121	340	12	18
18H(6-24)	2538	2161	345	12	20
24H(0-24)	2591	2202	357	12	20
AM Peak	08:00 196	08:00 166	08:00 28	10:00 2	07:00 3
PM Peak	16:00 246	16:00 217	14:00 34	14:00 2	15:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	14	1	0	0
01:00	7	4	3	0	0
02:00	7	7	0	0	0
03:00	8	5	3	0	0
04:00	27	22	3	2	0
05:00	96	84	11	1	0
06:00	178	141	35	2	0
07:00	415	357	53	0	5
08:00	414	346	63	1	4
09:00	330	270	55	2	3
10:00	301	243	52	2	4
11:00	325	261	58	3	3
12:00	322	268	50	2	2
13:00	347	287	59	0	1
14:00	360	293	64	2	1
15:00	413	343	63	3	4
16:00	473	418	52	2	1
17:00	408	370	35	2	1
18:00	269	244	22	2	1
19:00	130	115	14	0	1
20:00	119	105	12	0	2
21:00	98	90	6	0	2
22:00	49	43	3	1	2
23:00	33	26	5	0	2
Total					
12H(7-19)	4377	3700	626	21	30
16H(6-22)	4902	4151	693	23	35
18H(6-24)	4984	4220	701	24	39
24H(0-24)	5144	4356	722	27	39
AM Peak	07:00 415	07:00 357	08:00 63	11:00 3	07:00 5
PM Peak	16:00 473	16:00 418	14:00 64	15:00 3	15:00 4

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	57.8	46.4	11.0	0	0	1	0	0	1	3	0	2	0	0	0
01:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	4	61.7	53.1	8.3	0	0	0	0	0	0	2	1	0	1	0	0
03:00	6	53.2	44.2	8.8	0	0	0	1	1	1	2	0	1	0	0	0
04:00	9	58.3	48.9	9.1	0	0	0	0	1	3	2	0	2	1	0	0
05:00	67	54.9	47.5	7.1	0	0	0	0	9	18	17	13	9	0	1	0
06:00	109	53.6	47.9	5.5	0	0	0	1	6	24	43	24	10	1	0	0
07:00	244	54.4	46.5	7.7	0	3	5	7	17	51	88	54	16	2	1	0
08:00	256	51.9	45.7	6.0	0	1	1	2	31	84	81	43	11	2	0	0
09:00	146	53.9	46.0	7.6	0	0	4	5	18	39	32	34	12	2	0	0
10:00	149	51.2	44.2	6.7	0	1	0	5	36	41	39	19	7	1	0	0
11:00	163	51.4	44.0	7.1	0	3	1	5	28	58	36	26	6	0	0	0
12:00	152	51.5	45.4	5.9	0	1	2	0	15	55	45	32	2	0	0	0
13:00	176	50.8	43.7	6.9	0	0	5	12	32	46	54	20	7	0	0	0
14:00	156	52.6	44.8	7.5	0	0	9	3	12	56	46	18	10	2	0	0
15:00	209	52.4	45.0	7.1	0	0	7	4	24	78	51	31	10	4	0	0
16:00	242	53.1	46.5	6.3	0	0	2	9	17	58	96	44	12	4	0	0
17:00	210	53.3	45.7	7.3	0	0	8	4	17	69	61	34	12	5	0	0
18:00	127	52.2	45.8	6.2	0	0	1	5	11	35	52	15	6	2	0	0
19:00	79	54.5	48.1	6.3	0	0	0	1	8	16	21	22	11	0	0	0
20:00	60	57.2	48.2	8.7	0	0	1	1	9	11	12	14	9	2	1	0
21:00	43	52.1	45.2	6.7	0	0	0	4	5	10	15	6	3	0	0	0
22:00	16	58.9	49.2	9.3	0	0	0	0	1	6	3	2	3	0	1	0
23:00	10	67.2	51.5	15.2	0	0	0	1	1	2	1	2	1	1	0	1
Total																
2H(10-12)	312	51.3	44.1	6.9	0	4	1	10	64	99	75	45	13	1	0	0
2H(14-16)	365	52.4	44.9	7.3	0	0	16	7	36	134	97	49	20	6	0	0
12H(7-19)	2230	52.6	45.4	6.9	0	9	45	61	258	670	681	370	111	24	1	0
24H(0-24)	2641	53.0	45.7	7.0	0	9	47	70	299	762	803	454	162	30	4	1
AM Peak	08:00	02:00	02:00	00:00	00:00	07:00	07:00	07:00	10:00	08:00	07:00	07:00	07:00	07:00	05:00	00:00
	256	61.7	53.1	11.0	0	3	5	7	36	84	88	54	16	2	1	0
PM Peak	16:00	23:00	23:00	23:00	12:00	12:00	14:00	13:00	13:00	15:00	16:00	16:00	16:00	17:00	20:00	23:00
	242	67.2	51.5	15.2	0	1	9	12	32	78	96	44	12	5	1	1

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	4	73.6	55.0	17.9	0	0	0	0	1	1	0	0	0	1	1	0
01:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	3	48.8	45.8	2.9	0	0	0	0	0	1	2	0	0	0	0	0
03:00	4	54.8	47.5	7.1	0	0	0	0	0	2	1	0	1	0	0	0
04:00	12	54.7	46.5	7.9	0	0	0	0	3	2	4	2	0	1	0	0
05:00	46	52.9	46.3	6.4	0	0	1	0	4	14	15	10	1	1	0	0
06:00	78	55.7	45.9	9.5	1	0	5	2	3	18	24	20	3	1	1	0
07:00	180	52.3	45.2	6.8	0	1	4	4	19	56	57	32	5	2	0	0
08:00	234	50.1	44.4	5.6	0	0	3	4	31	97	70	23	4	2	0	0
09:00	187	49.7	43.6	5.8	0	0	1	7	41	63	55	17	2	0	1	0
10:00	151	49.9	42.9	6.8	0	1	3	6	34	57	35	10	4	0	1	0
11:00	152	51.1	43.5	7.3	0	1	1	10	35	45	38	16	3	2	1	0
12:00	189	50.1	43.6	6.3	0	0	3	9	36	70	44	23	2	2	0	0
13:00	170	50.9	43.0	7.6	0	0	7	8	48	43	35	20	6	3	0	0
14:00	219	49.3	41.4	7.6	0	0	19	12	46	79	48	11	1	2	1	0
15:00	226	50.8	44.5	6.0	0	0	0	5	46	75	66	26	5	2	1	0
16:00	254	50.3	45.0	5.2	0	0	0	2	36	98	82	26	9	1	0	0
17:00	269	52.0	44.6	7.2	0	1	1	16	48	83	67	36	12	4	1	0
18:00	168	54.9	46.1	8.5	0	2	5	2	20	44	39	44	8	3	0	1
19:00	102	52.3	44.8	7.2	0	0	3	2	19	31	25	13	8	1	0	0
20:00	59	53.8	45.5	8.0	0	1	0	1	9	19	14	11	3	0	1	0
21:00	54	54.9	46.4	8.2	0	0	0	4	6	12	20	6	3	2	1	0
22:00	23	55.1	46.8	8.0	0	0	0	1	3	6	6	5	0	2	0	0
23:00	20	57.2	45.0	11.7	0	1	0	1	3	6	4	2	2	0	1	0
Total																
2H(10-12)	303	50.5	43.2	7.1	0	2	4	16	69	102	73	26	7	2	2	0
2H(14-16)	445	50.3	43.0	7.0	0	0	19	17	92	154	114	37	6	4	2	0
12H(7-19)	2399	51.1	44.0	6.8	0	6	47	85	440	810	636	284	61	23	6	1
24H(0-24)	2805	51.6	44.3	7.1	1	8	56	96	491	922	752	353	82	32	11	1
AM Peak	08:00	00:00	00:00	00:00	06:00	07:00	06:00	11:00	09:00	08:00	08:00	07:00	07:00	07:00	00:00	00:00
	234	73.6	55.0	17.9	1	1	5	10	41	97	70	32	5	2	1	0
PM Peak	17:00	23:00	22:00	23:00	12:00	18:00	14:00	17:00	13:00	16:00	16:00	18:00	17:00	17:00	14:00	18:00
	269	57.2	46.8	11.7	0	2	19	16	48	98	82	44	12	4	1	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	11	63.7	49.5	13.7	0	0	1	0	1	2	3	0	2	1	1	0
01:00	2	47.5	47.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
02:00	7	57.5	50.0	7.2	0	0	0	0	0	1	4	1	0	1	0	0
03:00	10	53.7	45.5	7.9	0	0	0	1	1	3	3	0	2	0	0	0
04:00	21	56.1	47.5	8.3	0	0	0	0	4	5	6	2	2	2	0	0
05:00	113	54.1	47.0	6.8	0	0	1	0	13	32	32	23	10	1	1	0
06:00	187	54.8	47.0	7.5	1	0	5	3	9	42	67	44	13	2	1	0
07:00	424	53.6	46.0	7.3	0	4	9	11	36	107	145	86	21	4	1	0
08:00	490	51.1	45.1	5.8	0	1	4	6	62	181	151	66	15	4	0	0
09:00	333	51.7	44.7	6.7	0	0	5	12	59	102	87	51	14	2	1	0
10:00	300	50.6	43.5	6.8	0	2	3	11	70	98	74	29	11	1	1	0
11:00	315	51.2	43.7	7.2	0	4	2	15	63	103	74	42	9	2	1	0
12:00	341	50.8	44.4	6.2	0	1	5	9	51	125	89	55	4	2	0	0
13:00	346	50.9	43.4	7.2	0	0	12	20	80	89	89	40	13	3	0	0
14:00	375	50.8	42.8	7.7	0	0	28	15	58	135	94	29	11	4	1	0
15:00	435	51.6	44.8	6.6	0	0	7	9	70	153	117	57	15	6	1	0
16:00	496	51.7	45.7	5.8	0	0	2	11	53	156	178	70	21	5	0	0
17:00	479	52.6	45.1	7.3	0	1	9	20	65	152	128	70	24	9	1	0
18:00	295	53.8	46.0	7.6	0	2	6	7	31	79	91	59	14	5	0	1
19:00	181	53.5	46.2	7.0	0	0	3	3	27	47	46	35	19	1	0	0
20:00	119	55.6	46.8	8.5	0	1	1	2	18	30	26	25	12	2	2	0
21:00	97	53.7	45.9	7.5	0	0	0	8	11	22	35	12	6	2	1	0
22:00	39	56.7	47.8	8.5	0	0	0	1	4	12	9	7	3	2	1	0
23:00	30	60.7	47.2	13.1	0	1	0	2	4	8	5	4	3	1	1	1
Total																
2H(10-12)	615	50.9	43.6	7.0	0	6	5	26	133	201	148	71	20	3	2	0
2H(14-16)	810	51.3	43.9	7.2	0	0	35	24	128	288	211	86	26	10	2	0
12H(7-19)	4629	51.8	44.7	6.9	0	15	92	146	698	1480	1317	654	172	47	7	1
24H(0-24)	5446	52.3	45.0	7.1	1	17	103	166	790	1684	1555	807	244	62	15	2
AM Peak	08:00 490	00:00 63.7	02:00 50.0	00:00 13.7	06:00 1	07:00 4	07:00 9	11:00 15	10:00 70	08:00 181	08:00 151	07:00 86	07:00 21	07:00 4	00:00 1	00:00 0
PM Peak	16:00 496	23:00 60.7	22:00 47.8	23:00 13.1	12:00 0	18:00 2	14:00 28	13:00 20	13:00 80	16:00 156	16:00 178	16:00 70	17:00 24	17:00 9	20:00 2	18:00 1

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	54.1	44.3	9.4	0	0	1	0	0	2	2	2	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	3	61.5	52.5	8.7	0	0	0	0	0	1	0	0	2	0	0	0
03:00	9	50.1	43.1	6.8	0	0	0	0	5	0	2	2	0	0	0	0
04:00	11	53.4	44.1	9.0	0	0	1	0	3	1	2	4	0	0	0	0
05:00	59	55.2	48.4	6.5	0	0	0	0	7	11	17	14	9	1	0	0
06:00	117	54.5	47.4	6.8	0	0	1	4	4	34	33	32	6	2	1	0
07:00	247	54.1	47.5	6.3	0	0	0	9	20	50	76	72	16	4	0	0
08:00	221	54.2	46.4	7.5	0	0	8	5	17	53	76	42	14	6	0	0
09:00	146	52.7	45.1	7.3	0	0	4	5	23	44	29	30	10	1	0	0
10:00	134	50.8	44.1	6.4	0	0	3	2	27	46	34	16	5	1	0	0
11:00	173	52.8	42.6	9.8	0	11	3	7	30	46	47	19	8	2	0	0
12:00	146	53.1	45.6	7.2	0	2	0	2	18	50	39	25	8	1	1	0
13:00	149	51.8	45.7	5.9	0	0	2	3	8	60	43	26	6	1	0	0
14:00	181	53.0	46.1	6.6	0	0	4	3	13	57	57	38	7	1	1	0
15:00	179	53.4	46.2	6.9	0	0	5	6	6	56	58	38	8	1	1	0
16:00	224	53.5	47.1	6.2	0	0	0	1	27	55	77	40	20	4	0	0
17:00	211	55.9	48.5	7.1	0	0	1	7	13	35	70	55	21	8	1	0
18:00	137	54.3	47.3	6.7	0	0	0	3	14	32	46	29	7	6	0	0
19:00	84	54.9	47.9	6.7	0	0	0	0	9	21	26	14	11	3	0	0
20:00	58	53.4	46.6	6.6	0	0	1	1	7	11	21	14	2	1	0	0
21:00	40	59.6	49.8	9.4	0	0	1	0	2	9	14	4	2	8	0	0
22:00	15	55.4	47.7	7.5	0	0	0	0	2	4	4	3	1	1	0	0
23:00	13	54.9	48.3	6.4	0	0	0	0	1	4	2	4	2	0	0	0
Total																
2H(10-12)	307	52.1	43.3	8.5	0	11	6	9	57	92	81	35	13	3	0	0
2H(14-16)	360	53.2	46.2	6.7	0	0	9	9	19	113	115	76	15	2	2	0
12H(7-19)	2148	53.7	46.2	7.2	0	13	30	53	216	584	652	430	130	36	4	0
24H(0-24)	2564	53.9	46.4	7.2	0	13	35	58	256	682	775	523	165	52	5	0
AM Peak	07:00	02:00	02:00	11:00	00:00	11:00	08:00	07:00	11:00	08:00	07:00	07:00	07:00	08:00	06:00	00:00
	247	61.5	52.5	9.8	0	11	8	9	30	53	76	72	16	6	1	0
PM Peak	16:00	21:00	21:00	21:00	12:00	12:00	15:00	17:00	16:00	13:00	16:00	17:00	17:00	17:00	12:00	12:00
	224	59.6	49.8	9.4	0	2	5	7	27	60	77	55	21	8	1	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	4	48.7	43.8	4.8	0	0	0	0	1	1	2	0	0	0	0	0
01:00	3	63.9	51.7	11.8	0	0	0	0	0	1	1	0	0	1	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	8	52.3	47.5	4.6	0	0	0	0	0	3	2	3	0	0	0	0
04:00	16	51.6	45.0	6.3	0	0	0	1	3	2	8	1	1	0	0	0
05:00	49	52.2	46.4	5.6	0	0	0	1	4	17	12	13	2	0	0	0
06:00	78	54.2	46.6	7.3	0	0	0	3	10	24	14	19	5	3	0	0
07:00	169	52.3	46.0	6.1	0	0	0	6	17	53	50	36	4	3	0	0
08:00	211	52.1	44.6	7.2	0	1	5	4	34	68	61	29	4	4	1	0
09:00	146	49.7	42.9	6.5	1	0	1	9	33	47	39	13	3	0	0	0
10:00	145	50.2	44.2	5.8	0	0	0	4	31	51	38	17	2	2	0	0
11:00	163	50.9	43.0	7.6	0	1	8	7	28	64	28	18	8	1	0	0
12:00	138	51.2	45.1	5.9	0	0	0	5	23	36	49	18	7	0	0	0
13:00	185	53.5	45.0	8.1	0	0	7	3	36	48	53	19	12	6	1	0
14:00	191	52.0	44.5	7.3	0	0	2	10	40	55	46	26	6	6	0	0
15:00	254	50.2	44.4	5.6	0	0	0	8	46	85	81	27	5	2	0	0
16:00	274	53.5	46.0	7.3	0	0	6	6	35	65	104	35	16	5	2	0
17:00	259	54.1	46.5	7.3	0	1	2	6	29	70	81	44	17	8	1	0
18:00	165	52.4	45.7	6.4	0	0	0	6	22	49	53	24	7	4	0	0
19:00	125	53.2	46.0	6.9	0	1	1	2	12	40	37	24	5	3	0	0
20:00	72	51.6	44.2	7.2	0	0	1	3	15	23	18	9	0	3	0	0
21:00	45	55.2	45.1	9.7	0	1	1	2	5	17	7	5	6	0	1	0
22:00	41	58.9	50.0	8.6	0	0	0	0	3	7	14	9	5	2	0	1
23:00	10	59.1	46.3	12.4	0	0	0	2	0	4	2	0	1	0	1	0
Total																
2H(10-12)	308	50.6	43.6	6.8	0	1	8	11	59	115	66	35	10	3	0	0
2H(14-16)	445	51.0	44.4	6.3	0	0	2	18	86	140	127	53	11	8	0	0
12H(7-19)	2300	52.1	45.0	6.9	1	3	31	74	374	691	683	306	91	41	5	0
24H(0-24)	2751	52.5	45.2	7.0	1	5	34	88	427	830	800	389	116	53	7	1
AM Peak	08:00 211	01:00 63.9	01:00 51.7	01:00 11.8	09:00 1	08:00 1	11:00 8	09:00 9	08:00 34	08:00 68	08:00 61	07:00 36	11:00 8	08:00 4	08:00 1	00:00 0
PM Peak	16:00 274	23:00 59.1	22:00 50.0	23:00 12.4	12:00 0	17:00 1	13:00 7	14:00 10	15:00 46	15:00 85	16:00 104	17:00 44	17:00 17	17:00 8	16:00 2	22:00 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<70	Bin 11 70<80	Bin 12 >=80
00:00	11	52.1	44.1	7.8	0	0	1	0	1	3	4	2	0	0	0	0
01:00	3	63.9	51.7	11.8	0	0	0	0	0	1	1	0	0	1	0	0
02:00	3	61.5	52.5	8.7	0	0	0	0	0	1	0	0	2	0	0	0
03:00	17	51.5	45.1	6.2	0	0	0	0	5	3	4	5	0	0	0	0
04:00	27	52.3	44.6	7.4	0	0	1	1	6	3	10	5	1	0	0	0
05:00	108	53.9	47.5	6.2	0	0	0	1	11	28	29	27	11	1	0	0
06:00	195	54.4	47.1	7.0	0	0	1	7	14	58	47	51	11	5	1	0
07:00	416	53.4	46.9	6.3	0	0	0	15	37	103	126	108	20	7	0	0
08:00	432	53.2	45.6	7.4	0	1	13	9	51	121	137	71	18	10	1	0
09:00	292	51.3	44.0	7.0	1	0	5	14	56	91	68	43	13	1	0	0
10:00	279	50.5	44.1	6.1	0	0	3	6	58	97	72	33	7	3	0	0
11:00	336	51.9	42.8	8.8	0	12	11	14	58	110	75	37	16	3	0	0
12:00	284	52.2	45.4	6.6	0	2	0	7	41	86	88	43	15	1	1	0
13:00	334	52.8	45.4	7.2	0	0	9	6	44	108	96	45	18	7	1	0
14:00	372	52.5	45.3	7.0	0	0	6	13	53	112	103	64	13	7	1	0
15:00	433	51.6	45.2	6.2	0	0	5	14	52	141	139	65	13	3	1	0
16:00	498	53.5	46.5	6.8	0	0	6	7	62	120	181	75	36	9	2	0
17:00	470	55.0	47.4	7.3	0	1	3	13	42	105	151	99	38	16	2	0
18:00	302	53.3	46.4	6.6	0	0	0	9	36	81	99	53	14	10	0	0
19:00	209	54.0	46.8	6.9	0	1	1	2	21	61	63	38	16	6	0	0
20:00	130	52.5	45.3	7.0	0	0	2	4	22	34	39	23	2	4	0	0
21:00	85	57.5	47.3	9.8	0	1	2	2	7	26	21	9	8	8	1	0
22:00	56	58.0	49.4	8.3	0	0	0	0	5	11	18	12	6	3	0	1
23:00	23	57.0	47.4	9.3	0	0	0	2	1	8	4	4	3	0	1	0
Total																
2H(10-12)	615	51.4	43.4	7.7	0	12	14	20	116	207	147	70	23	6	0	0
2H(14-16)	805	52.0	45.2	6.6	0	0	11	27	105	253	242	129	26	10	2	0
12H(7-19)	4448	52.9	45.6	7.1	1	16	61	127	590	1275	1335	736	221	77	9	0
24H(0-24)	5315	53.2	45.8	7.2	1	18	69	146	683	1512	1575	912	281	105	12	1
AM Peak	08:00	01:00	02:00	01:00	09:00	11:00	08:00	07:00	10:00	08:00	08:00	07:00	07:00	08:00	06:00	00:00
	432	63.9	52.5	11.8	1	12	13	15	58	121	137	108	20	10	1	0
PM Peak	16:00	22:00	22:00	21:00	12:00	12:00	13:00	15:00	16:00	15:00	16:00	17:00	17:00	17:00	16:00	22:00
	498	58.0	49.4	9.8	0	2	9	14	62	141	181	99	38	16	2	1

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	5	59.7	48.5	10.8	0	0	0	1	0	1	0	1	2	0	0	0
01:00	4	55.3	48.8	6.3	0	0	0	0	0	1	2	0	1	0	0	0
02:00	5	61.1	49.0	11.7	0	0	0	0	1	2	0	0	1	1	0	0
03:00	10	54.1	46.5	7.4	0	0	0	1	1	1	4	2	1	0	0	0
04:00	13	51.0	44.8	6.0	0	0	0	0	4	2	4	3	0	0	0	0
05:00	69	55.2	48.6	6.3	0	0	0	1	5	12	23	19	7	2	0	0
06:00	114	55.5	48.0	7.3	0	1	0	1	6	30	31	35	8	1	0	1
07:00	239	56.0	49.0	6.8	0	0	1	4	8	50	78	63	25	8	2	0
08:00	225	53.0	46.6	6.3	0	1	0	4	18	69	74	43	12	4	0	0
09:00	145	52.4	46.2	6.1	0	0	0	4	12	46	55	18	8	1	1	0
10:00	164	53.0	47.0	5.8	0	0	0	5	12	38	62	35	11	1	0	0
11:00	179	51.1	44.9	5.9	0	0	1	7	20	67	54	23	5	2	0	0
12:00	154	52.9	46.9	5.8	0	0	1	0	11	51	46	35	8	2	0	0
13:00	159	53.5	46.5	6.7	0	0	0	8	13	45	45	38	7	2	1	0
14:00	177	52.9	46.9	5.8	0	0	0	1	16	53	59	37	7	4	0	0
15:00	188	53.5	47.4	5.8	0	0	0	1	17	48	57	50	13	2	0	0
16:00	235	54.8	47.4	7.1	0	0	0	8	28	46	77	49	16	11	0	0
17:00	201	54.9	48.7	5.9	0	0	1	0	12	38	64	61	22	3	0	0
18:00	135	55.3	48.6	6.5	0	0	0	0	5	37	47	30	8	7	1	0
19:00	93	54.9	47.9	6.7	0	0	0	1	12	15	28	29	6	1	1	0
20:00	64	55.4	49.2	6.0	0	0	0	1	4	8	21	21	8	1	0	0
21:00	56	56.6	48.6	7.8	0	0	0	2	3	13	15	17	2	3	1	0
22:00	27	57.2	47.5	9.4	0	0	1	1	4	5	4	5	6	1	0	0
23:00	12	50.9	45.8	4.9	0	0	0	0	1	5	3	3	0	0	0	0
Total																
2H(10-12)	343	52.1	45.9	6.0	0	0	1	12	32	105	116	58	16	3	0	0
2H(14-16)	365	53.2	47.2	5.8	0	0	0	2	33	101	116	87	20	6	0	0
12H(7-19)	2201	53.8	47.2	6.3	0	1	4	42	172	588	718	482	142	47	5	0
24H(0-24)	2673	54.1	47.4	6.5	0	2	5	51	213	683	853	617	184	57	7	1
AM Peak	07:00	02:00	02:00	02:00	00:00	06:00	07:00	11:00	11:00	08:00	07:00	07:00	07:00	07:00	07:00	06:00
	239	61.1	49.0	11.7	0	1	1	7	20	69	78	63	25	8	2	1
PM Peak	16:00	22:00	20:00	22:00	12:00	12:00	12:00	13:00	16:00	14:00	16:00	17:00	17:00	16:00	13:00	12:00
	235	57.2	49.2	9.4	0	0	1	8	28	53	77	61	22	11	1	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	7	62.5	49.6	12.5	0	0	0	0	2	2	0	0	1	2	0	0
01:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	5	58.1	48.0	9.7	0	0	0	0	0	3	1	0	0	1	0	0
03:00	5	52.4	44.5	7.6	0	0	0	0	2	1	0	2	0	0	0	0
04:00	10	54.1	47.0	6.9	0	0	0	0	1	4	2	1	2	0	0	0
05:00	48	55.5	47.6	7.6	0	0	1	0	4	13	15	8	4	3	0	0
06:00	63	52.1	46.7	5.2	0	0	0	0	6	19	19	17	2	0	0	0
07:00	185	52.5	45.7	6.6	0	2	0	5	18	57	59	38	5	0	1	0
08:00	216	51.6	45.0	6.4	0	0	2	6	25	84	64	23	8	3	1	0
09:00	179	51.0	44.6	6.1	0	0	0	11	24	61	54	23	3	3	0	0
10:00	127	50.6	43.1	7.3	0	0	4	6	32	43	21	14	5	2	0	0
11:00	135	49.8	43.7	5.9	0	1	1	5	20	53	41	11	3	0	0	0
12:00	163	51.6	44.5	6.9	1	1	0	5	22	60	49	17	6	2	0	0
13:00	169	48.8	42.6	6.0	0	0	3	15	30	66	41	10	4	0	0	0
14:00	184	51.4	45.3	5.9	0	0	0	3	29	63	57	21	8	3	0	0
15:00	229	54.4	47.0	7.1	0	1	0	2	23	65	72	49	11	3	2	1
16:00	250	53.2	47.0	6.0	0	0	0	1	22	68	98	41	16	2	2	0
17:00	248	54.5	47.0	7.2	0	1	0	1	22	75	91	36	13	6	1	2
18:00	177	56.6	47.9	8.4	0	2	2	1	14	38	62	31	16	9	2	0
19:00	101	55.2	47.2	7.7	0	0	1	1	11	32	21	23	9	1	2	0
20:00	87	54.9	46.8	7.8	0	0	1	0	12	21	33	12	4	3	0	1
21:00	55	54.4	46.9	7.2	0	0	0	2	4	17	18	7	6	0	1	0
22:00	42	53.0	44.2	8.6	0	0	2	1	9	14	8	3	3	2	0	0
23:00	20	58.5	46.3	11.9	0	1	1	0	2	3	7	2	2	2	0	0
Total																
2H(10-12)	262	50.2	43.4	6.6	0	1	5	11	52	96	62	25	8	2	0	0
2H(14-16)	413	53.1	46.2	6.7	0	1	0	5	52	128	129	70	19	6	2	1
12H(7-19)	2262	52.6	45.5	6.9	1	8	12	61	281	733	709	314	98	33	9	3
24H(0-24)	2707	53.0	45.7	7.0	1	9	18	65	334	863	834	389	131	47	12	4
AM Peak	08:00 216	00:00 62.5	00:00 49.6	00:00 12.5	00:00 0	07:00 2	10:00 4	09:00 11	10:00 32	08:00 84	08:00 64	07:00 38	08:00 8	05:00 3	07:00 1	00:00 0
PM Peak	16:00 250	23:00 58.5	18:00 47.9	23:00 11.9	12:00 1	18:00 2	13:00 3	13:00 15	13:00 30	17:00 75	16:00 98	15:00 49	16:00 16	18:00 9	15:00 2	17:00 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<70	Bin 11 70<80	Bin 12 ≥80
00:00	12	60.9	49.2	11.3	0	0	0	1	2	3	0	1	3	2	0	0
01:00	6	53.2	47.5	5.5	0	0	0	0	0	2	3	0	1	0	0	0
02:00	10	59.0	48.5	10.2	0	0	0	0	1	5	1	0	1	2	0	0
03:00	15	53.3	45.8	7.2	0	0	0	1	3	2	4	4	1	0	0	0
04:00	23	52.3	45.8	6.3	0	0	0	0	5	6	6	4	2	0	0	0
05:00	117	55.3	48.2	6.9	0	0	1	1	9	25	38	27	11	5	0	0
06:00	177	54.4	47.5	6.6	0	1	0	1	12	49	50	52	10	1	0	1
07:00	424	54.7	47.5	6.9	0	2	1	9	26	107	137	101	30	8	3	0
08:00	441	52.4	45.8	6.4	0	1	2	10	43	153	138	66	20	7	1	0
09:00	324	51.7	45.3	6.1	0	0	0	15	36	107	109	41	11	4	1	0
10:00	291	52.3	45.3	6.8	0	0	4	11	44	81	83	49	16	3	0	0
11:00	314	50.6	44.4	5.9	0	1	2	12	40	120	95	34	8	2	0	0
12:00	317	52.3	45.7	6.5	1	1	1	5	33	111	95	52	14	4	0	0
13:00	328	51.4	44.5	6.7	0	0	3	23	43	111	86	48	11	2	1	0
14:00	361	52.2	46.0	5.9	0	0	0	4	45	116	116	58	15	7	0	0
15:00	417	54.0	47.2	6.5	0	1	0	3	40	113	129	99	24	5	2	1
16:00	485	54.0	47.2	6.6	0	0	0	9	50	114	175	90	32	13	2	0
17:00	449	54.7	47.8	6.7	0	1	1	1	34	113	155	97	35	9	1	2
18:00	312	56.1	48.2	7.6	0	2	2	1	19	75	109	61	24	16	3	0
19:00	194	55.1	47.6	7.2	0	0	1	2	23	47	49	52	15	2	3	0
20:00	151	55.3	47.8	7.2	0	0	1	1	16	29	54	33	12	4	0	1
21:00	111	55.5	47.7	7.5	0	0	0	4	7	30	33	24	8	3	2	0
22:00	69	54.8	45.5	9.0	0	0	3	2	13	19	12	8	9	3	0	0
23:00	32	56.2	46.1	9.7	0	1	1	0	3	8	10	5	2	2	0	0
Total																
2H(10-12)	605	51.4	44.8	6.4	0	1	6	23	84	201	178	83	24	5	0	0
2H(14-16)	778	53.2	46.7	6.3	0	1	0	7	85	229	245	157	39	12	2	1
12H(7-19)	4463	53.3	46.4	6.7	1	9	16	103	453	1321	1427	796	240	80	14	3
24H(0-24)	5380	53.6	46.5	6.8	1	11	23	116	547	1546	1687	1006	315	104	19	5
AM Peak	08:00	00:00	00:00	00:00	00:00	07:00	10:00	09:00	10:00	08:00	08:00	07:00	07:00	07:00	07:00	06:00
	441	60.9	49.2	11.3	0	2	4	15	44	153	138	101	30	8	3	1
PM Peak	16:00	23:00	18:00	23:00	12:00	18:00	13:00	13:00	16:00	14:00	16:00	15:00	17:00	18:00	18:00	17:00
	485	56.2	48.2	9.7	1	2	3	23	50	116	175	99	35	16	3	2

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	48.2	41.1	6.9	0	0	0	1	3	1	1	1	0	0	0	0
01:00	1	-	65.0	-	0	0	0	0	0	0	0	0	0	1	0	0
02:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
03:00	9	54.8	47.5	7.1	0	0	0	0	2	1	2	3	1	0	0	0
04:00	13	64.1	53.1	10.7	0	0	0	0	1	2	3	2	2	2	1	0
05:00	57	55.9	49.5	6.2	0	0	0	0	3	10	18	16	8	2	0	0
06:00	103	58.2	49.1	8.8	0	1	1	5	2	14	34	28	12	5	0	1
07:00	246	55.7	48.3	7.1	0	0	0	8	19	44	81	62	20	11	1	0
08:00	218	54.3	47.4	6.6	0	0	3	3	17	48	74	54	13	6	0	0
09:00	166	52.7	45.2	7.2	0	0	0	8	31	50	39	23	14	0	0	1
10:00	169	52.3	45.1	6.9	0	0	2	8	25	54	37	34	6	3	0	0
11:00	190	52.9	45.8	6.8	0	0	3	8	15	62	55	32	12	3	0	0
12:00	165	53.6	46.6	6.7	0	0	1	8	12	43	52	37	8	4	0	0
13:00	185	53.1	46.2	6.7	0	0	1	2	27	49	65	26	8	7	0	0
14:00	216	54.9	47.6	7.1	0	0	0	3	21	53	71	43	20	2	2	1
15:00	262	53.2	47.3	5.6	0	1	0	1	14	71	98	57	18	2	0	0
16:00	254	53.1	46.7	6.1	0	0	0	5	25	68	92	41	18	5	0	0
17:00	189	55.4	49.0	6.1	0	0	0	1	12	27	71	55	17	5	1	0
18:00	131	56.0	49.1	6.7	0	0	0	0	10	29	33	36	17	6	0	0
19:00	87	57.1	49.2	7.6	0	0	0	1	8	15	24	26	8	3	2	0
20:00	59	56.6	47.2	9.1	0	0	1	3	10	11	11	13	5	5	0	0
21:00	66	55.6	46.5	8.8	0	1	0	1	11	17	17	11	4	3	1	0
22:00	35	54.4	46.9	7.2	0	0	0	3	0	10	13	6	1	2	0	0
23:00	15	57.3	47.3	9.7	0	0	0	1	0	7	3	2	1	0	1	0
Total																
2H(10-12)	359	52.6	45.5	6.9	0	0	5	16	40	116	92	66	18	6	0	0
2H(14-16)	478	54.0	47.5	6.3	0	1	0	4	35	124	169	100	38	4	2	1
12H(7-19)	2391	54.0	47.1	6.7	0	1	10	55	228	598	768	500	171	54	4	2
24H(0-24)	2844	54.5	47.3	7.0	0	3	12	70	268	686	894	608	214	77	9	3
AM Peak	07:00	04:00	01:00	04:00	00:00	06:00	08:00	07:00	09:00	11:00	07:00	07:00	07:00	07:00	04:00	06:00
	246	64.1	65.0	10.7	0	1	3	8	31	62	81	62	20	11	1	1
PM Peak	15:00	23:00	19:00	23:00	12:00	15:00	12:00	12:00	13:00	15:00	15:00	15:00	14:00	13:00	14:00	14:00
	262	57.3	49.2	9.7	0	1	1	8	27	71	98	57	20	7	2	1

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	8	52.3	45.0	7.1	0	0	0	1	1	1	3	2	0	0	0	0
01:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
02:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	4	48.7	43.8	4.8	0	0	0	0	1	1	2	0	0	0	0	0
04:00	12	55.3	46.5	8.5	0	0	0	0	3	3	3	1	1	1	0	0
05:00	40	55.6	46.5	8.7	0	0	1	2	5	9	12	5	3	3	0	0
06:00	66	53.7	47.1	6.4	0	0	0	2	6	13	28	11	4	2	0	0
07:00	162	53.6	45.4	7.9	0	3	3	5	19	33	62	28	6	3	0	0
08:00	222	51.4	45.2	5.9	0	0	0	4	37	76	59	34	10	2	0	0
09:00	171	50.0	43.3	6.4	0	1	4	2	38	62	42	19	2	1	0	0
10:00	174	49.6	42.9	6.5	0	2	3	9	31	65	46	16	2	0	0	0
11:00	164	52.0	44.4	7.3	0	2	1	4	23	67	41	20	3	2	0	1
12:00	173	50.6	43.4	7.0	0	2	5	6	28	60	49	20	2	1	0	0
13:00	212	50.8	44.7	5.9	0	0	0	4	41	73	63	18	11	2	0	0
14:00	211	51.8	44.9	6.6	0	1	0	11	32	64	58	35	8	2	0	0
15:00	259	51.6	44.0	7.3	0	1	2	22	44	78	68	30	7	7	0	0
16:00	242	53.6	47.1	6.3	0	0	0	6	16	63	93	47	11	4	2	0
17:00	236	54.7	47.7	6.8	0	0	0	7	18	54	76	61	11	7	2	0
18:00	165	54.8	47.5	7.0	0	0	0	2	8	53	62	25	6	7	1	1
19:00	115	57.9	47.5	10.0	0	1	2	3	10	24	46	16	5	4	1	3
20:00	80	53.9	46.6	7.0	0	0	0	2	12	20	23	15	5	3	0	0
21:00	65	55.0	46.5	8.2	0	1	0	2	9	14	19	13	4	3	0	0
22:00	37	55.6	46.6	8.7	0	0	0	1	9	9	5	7	3	3	0	0
23:00	25	55.2	46.6	8.3	0	0	0	1	3	6	11	1	2	0	1	0
Total																
2H(10-12)	338	50.8	43.6	6.9	0	4	4	13	54	132	87	36	5	2	0	1
2H(14-16)	470	51.7	44.4	7.0	0	2	2	33	76	142	126	65	15	9	0	0
12H(7-19)	2391	52.3	45.1	6.9	0	12	18	82	335	748	719	353	79	38	5	2
24H(0-24)	2845	52.8	45.4	7.2	0	14	21	96	394	850	871	424	106	57	7	5
AM Peak	08:00	05:00	06:00	05:00	00:00	07:00	09:00	10:00	09:00	08:00	07:00	08:00	08:00	05:00	00:00	11:00
	222	55.6	47.1	8.7	0	3	4	9	38	76	62	34	10	3	0	1
PM Peak	15:00	19:00	17:00	19:00	12:00	12:00	12:00	15:00	15:00	15:00	16:00	17:00	13:00	15:00	16:00	19:00
	259	57.9	47.7	10.0	0	2	5	22	44	78	93	61	11	7	2	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	15	50.5	43.2	7.0	0	0	0	2	4	2	4	3	0	0	0	0
01:00	2	70.2	53.8	15.9	0	0	0	0	0	1	0	0	0	1	0	0
02:00	2	61.0	50.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
03:00	13	53.1	46.3	6.5	0	0	0	0	3	2	4	3	1	0	0	0
04:00	25	60.3	49.9	10.1	0	0	0	0	4	5	6	3	3	3	1	0
05:00	97	56.0	48.3	7.5	0	0	1	2	8	19	30	21	11	5	0	0
06:00	169	56.6	48.3	8.0	0	1	1	7	8	27	62	39	16	7	0	1
07:00	408	55.0	47.2	7.5	0	3	3	13	38	77	143	90	26	14	1	0
08:00	440	52.9	46.3	6.4	0	0	3	7	54	124	133	88	23	8	0	0
09:00	337	51.4	44.2	6.9	0	1	4	10	69	112	81	42	16	1	0	1
10:00	343	51.0	44.0	6.8	0	2	5	17	56	119	83	50	8	3	0	0
11:00	354	52.5	45.2	7.1	0	2	4	12	38	129	96	52	15	5	0	1
12:00	338	52.3	45.0	7.0	0	2	6	14	40	103	101	57	10	5	0	0
13:00	397	51.9	45.4	6.3	0	0	1	6	68	122	128	44	19	9	0	0
14:00	427	53.5	46.3	7.0	0	1	0	14	53	117	129	78	28	4	2	1
15:00	521	52.7	45.7	6.7	0	2	2	23	58	149	166	87	25	9	0	0
16:00	496	53.4	46.9	6.2	0	0	0	11	41	131	185	88	29	9	2	0
17:00	425	55.1	48.3	6.6	0	0	0	8	30	81	147	116	28	12	3	0
18:00	296	55.4	48.2	6.9	0	0	0	2	18	82	95	61	23	13	1	1
19:00	202	57.6	48.2	9.1	0	1	2	4	18	39	70	42	13	7	3	3
20:00	139	55.1	46.8	7.9	0	0	1	5	22	31	34	28	10	8	0	0
21:00	131	55.3	46.5	8.5	0	2	0	3	20	31	36	24	8	6	1	0
22:00	72	55.0	46.8	8.0	0	0	0	4	9	19	18	13	4	5	0	0
23:00	40	55.9	46.9	8.7	0	0	0	2	3	13	14	3	3	0	2	0
Total																
2H(10-12)	697	51.8	44.6	7.0	0	4	9	29	94	248	179	102	23	8	0	1
2H(14-16)	948	53.0	46.0	6.8	0	3	2	37	111	266	295	165	53	13	2	1
12H(7-19)	4782	53.2	46.1	6.9	0	13	28	137	563	1346	1487	853	250	92	9	4
24H(0-24)	5689	53.7	46.3	7.2	0	17	33	166	662	1536	1765	1032	320	134	16	8
AM Peak	08:00	01:00	01:00	01:00	00:00	07:00	10:00	10:00	09:00	11:00	07:00	07:00	07:00	07:00	04:00	06:00
	440	70.2	53.8	15.9	0	3	5	17	69	129	143	90	26	14	1	1
PM Peak	15:00	19:00	17:00	19:00	12:00	12:00	12:00	15:00	13:00	15:00	16:00	17:00	16:00	18:00	17:00	19:00
	521	57.6	48.3	9.1	0	2	6	23	68	149	185	116	29	13	3	3

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	10	53.3	45.5	7.5	0	0	0	0	2	5	0	1	2	0	0	0
01:00	3	55.2	49.2	5.8	0	0	0	0	0	1	0	2	0	0	0	0
02:00	4	58.7	47.5	10.8	0	0	0	1	0	0	1	1	1	0	0	0
03:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
04:00	7	57.0	50.4	6.4	0	0	0	0	0	2	1	2	2	0	0	0
05:00	31	57.5	50.2	7.0	0	0	0	1	0	5	11	6	6	2	0	0
06:00	45	55.6	48.4	6.9	0	0	0	0	4	12	12	9	6	2	0	0
07:00	63	56.7	49.9	6.6	0	0	1	0	0	11	23	15	10	3	0	0
08:00	147	54.8	48.3	6.2	0	0	1	0	7	38	46	36	15	4	0	0
09:00	177	55.6	47.8	7.5	0	1	1	1	16	44	48	48	10	6	2	0
10:00	187	54.9	48.1	6.6	0	0	2	0	9	52	57	43	19	4	1	0
11:00	198	55.1	47.1	7.7	0	2	1	7	16	46	60	40	20	6	0	0
12:00	201	56.6	48.7	7.6	0	0	1	2	15	46	58	49	17	10	3	0
13:00	165	55.2	46.8	8.1	0	0	1	2	25	42	55	19	13	5	2	1
14:00	177	54.7	47.7	6.7	0	0	1	2	18	39	51	45	18	2	1	0
15:00	152	52.3	45.1	6.9	0	0	4	5	23	36	51	26	5	2	0	0
16:00	137	55.4	48.0	7.2	0	1	0	2	7	32	53	22	13	7	0	0
17:00	128	55.6	47.9	7.5	0	0	0	2	15	34	28	28	16	4	1	0
18:00	101	56.4	48.6	7.6	0	0	1	2	5	26	30	13	19	5	0	0
19:00	94	55.1	47.3	7.5	0	0	3	0	8	18	36	20	6	2	1	0
20:00	69	60.3	51.2	8.7	0	0	0	0	3	13	16	22	8	4	2	1
21:00	43	58.7	50.6	7.7	0	0	0	0	2	8	14	8	5	6	0	0
22:00	39	59.7	48.8	10.5	0	0	0	3	4	11	5	5	5	5	1	0
23:00	19	57.4	48.3	8.8	0	0	0	1	2	4	5	3	2	2	0	0
Total																
2H(10-12)	385	55.0	47.6	7.2	0	2	3	7	25	98	117	83	39	10	1	0
2H(14-16)	329	53.7	46.5	6.9	0	0	5	7	41	75	102	71	23	4	1	0
12H(7-19)	1833	55.3	47.7	7.3	0	4	14	25	156	446	560	384	175	58	10	1
24H(0-24)	2198	55.7	47.9	7.5	0	4	17	31	181	525	662	463	218	81	14	2
AM Peak	11:00	02:00	04:00	02:00	00:00	11:00	10:00	11:00	09:00	10:00	11:00	09:00	11:00	09:00	09:00	00:00
	198	58.7	50.4	10.8	0	2	2	7	16	52	60	48	20	6	2	0
PM Peak	12:00	20:00	20:00	22:00	12:00	16:00	15:00	15:00	13:00	12:00	12:00	12:00	18:00	12:00	12:00	13:00
	201	60.3	51.2	10.5	0	1	4	5	25	46	58	49	19	10	3	1

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	16	56.3	47.2	8.8	0	0	0	0	3	6	1	4	0	2	0	0
01:00	5	65.1	51.0	13.6	0	0	0	0	0	2	2	0	0	0	1	0
02:00	2	47.5	47.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
03:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
04:00	4	56.0	47.5	8.2	0	0	0	0	1	0	2	0	1	0	0	0
05:00	25	56.0	46.7	8.9	0	0	0	1	3	9	5	5	0	1	1	0
06:00	32	53.4	45.1	8.0	0	1	0	1	4	7	12	5	2	0	0	0
07:00	89	53.8	43.7	9.7	0	4	3	2	11	28	21	15	4	0	1	0
08:00	131	51.9	43.7	7.9	0	3	3	5	19	42	35	20	3	1	0	0
09:00	167	52.4	44.7	7.4	0	2	1	3	33	50	46	22	7	2	1	0
10:00	174	53.5	44.9	8.4	0	4	2	0	25	67	44	18	6	7	1	0
11:00	190	54.5	44.1	10.1	0	9	3	10	25	51	45	34	7	4	2	0
12:00	234	53.4	41.0	12.0	0	28	8	6	31	73	45	28	9	6	0	0
13:00	241	52.4	39.0	13.0	0	41	11	5	32	74	40	25	10	2	1	0
14:00	266	51.2	36.3	14.3	0	62	23	12	28	59	46	23	6	6	1	0
15:00	264	49.0	34.1	14.4	2	77	13	20	36	45	44	18	5	4	0	0
16:00	202	54.9	41.1	13.3	0	34	1	5	16	54	48	27	12	5	0	0
17:00	123	56.1	47.7	8.1	0	2	0	0	13	22	47	24	8	6	1	0
18:00	116	56.8	46.6	9.8	0	4	0	0	11	35	34	19	7	3	2	1
19:00	80	57.4	47.8	9.3	0	1	0	1	7	27	15	17	7	3	1	1
20:00	68	55.1	47.1	7.8	0	0	0	2	6	26	13	13	2	6	0	0
21:00	59	52.0	44.4	7.4	0	1	0	2	10	20	16	6	3	1	0	0
22:00	45	52.9	43.7	8.9	0	1	2	0	7	19	9	3	2	2	0	0
23:00	24	52.6	44.6	7.8	0	0	1	0	5	6	9	1	1	1	0	0
Total																
2H(10-12)	364	54.1	44.5	9.3	0	13	5	10	50	118	89	52	13	11	3	0
2H(14-16)	530	50.1	35.2	14.4	2	139	36	32	64	104	90	41	11	10	1	0
12H(7-19)	2197	53.9	41.2	12.3	2	270	68	68	280	600	495	273	84	46	10	1
24H(0-24)	2558	54.2	41.9	11.9	2	274	71	75	326	722	582	327	102	62	13	2
AM Peak	11:00	01:00	01:00	01:00	00:00	11:00	07:00	11:00	09:00	10:00	09:00	11:00	09:00	10:00	11:00	00:00
	190	65.1	51.0	13.6	0	9	3	10	33	67	46	34	7	7	2	0
PM Peak	14:00	19:00	19:00	15:00	15:00	15:00	14:00	15:00	15:00	13:00	16:00	12:00	16:00	12:00	18:00	18:00
	266	57.4	47.8	14.4	2	77	23	20	36	74	48	28	12	6	2	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	26	55.1	46.5	8.2	0	0	0	0	5	11	1	5	2	2	0	0
01:00	8	61.5	50.3	10.8	0	0	0	0	0	3	2	2	0	0	1	0
02:00	6	56.2	47.5	8.4	0	0	0	1	0	0	3	1	1	0	0	0
03:00	2	47.5	47.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
04:00	11	56.4	49.3	6.8	0	0	0	0	1	2	3	2	3	0	0	0
05:00	56	57.0	48.7	8.1	0	0	0	2	3	14	16	11	6	3	1	0
06:00	77	54.8	47.0	7.5	0	1	0	1	8	19	24	14	8	2	0	0
07:00	152	55.7	46.3	9.1	0	4	4	2	11	39	44	30	14	3	1	0
08:00	278	53.8	46.2	7.4	0	3	4	5	26	80	81	56	18	5	0	0
09:00	344	54.2	46.3	7.6	0	3	2	4	49	94	94	70	17	8	3	0
10:00	361	54.5	46.5	7.7	0	4	4	0	34	119	101	61	25	11	2	0
11:00	388	55.0	45.6	9.1	0	11	4	17	41	97	105	74	27	10	2	0
12:00	435	55.8	44.6	10.9	0	28	9	8	46	119	103	77	26	16	3	0
13:00	406	54.5	42.2	11.9	0	41	12	7	57	116	95	44	23	7	3	1
14:00	443	54.5	40.9	13.1	0	62	24	14	46	98	97	68	24	8	2	0
15:00	416	51.9	38.1	13.3	2	77	17	25	59	81	95	44	10	6	0	0
16:00	339	56.1	43.9	11.7	0	35	1	7	23	86	101	49	25	12	0	0
17:00	251	55.8	47.8	7.7	0	2	0	2	28	56	75	52	24	10	2	0
18:00	217	56.7	47.5	8.9	0	4	1	2	16	61	64	32	26	8	2	1
19:00	174	56.2	47.5	8.4	0	1	3	1	15	45	51	37	13	5	2	1
20:00	137	58.0	49.2	8.5	0	0	0	2	9	39	29	35	10	10	2	1
21:00	102	55.4	47.0	8.1	0	1	0	2	12	28	30	14	8	7	0	0
22:00	84	56.4	46.0	9.9	0	1	2	3	11	30	14	8	7	7	1	0
23:00	43	54.9	46.2	8.4	0	0	1	1	7	10	14	4	3	3	0	0
Total																
2H(10-12)	749	54.8	46.1	8.4	0	15	8	17	75	216	206	135	52	21	4	0
2H(14-16)	859	53.3	39.5	13.3	2	139	41	39	105	179	192	112	34	14	2	0
12H(7-19)	4030	55.4	44.2	10.8	2	274	82	93	436	1046	1055	657	259	104	20	2
24H(0-24)	4756	55.6	44.7	10.6	2	278	88	106	507	1247	1244	790	320	143	27	4
AM Peak	11:00	01:00	01:00	01:00	00:00	11:00	07:00	11:00	09:00	10:00	11:00	11:00	11:00	10:00	09:00	00:00
	388	61.5	50.3	10.8	0	11	4	17	49	119	105	74	27	11	3	0
PM Peak	14:00	20:00	20:00	15:00	15:00	15:00	14:00	15:00	15:00	12:00	12:00	12:00	12:00	12:00	12:00	13:00
	443	58.0	49.2	13.3	2	77	24	25	59	119	103	77	26	16	3	1

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	9	51.8	46.9	4.6	0	0	0	0	0	4	2	3	0	0	0	0
01:00	4	51.7	40.6	10.7	0	0	1	0	0	1	2	0	0	0	0	0
02:00	5	52.5	45.5	6.7	0	0	0	0	1	2	0	2	0	0	0	0
03:00	3	47.7	42.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
04:00	6	57.0	47.9	8.7	0	0	0	0	0	3	2	0	0	1	0	0
05:00	27	56.6	49.9	6.4	0	0	0	0	2	5	5	8	7	0	0	0
06:00	39	55.9	48.9	6.8	0	0	0	1	2	7	12	12	3	2	0	0
07:00	46	54.4	47.5	6.6	0	0	0	2	2	11	17	10	2	2	0	0
08:00	93	56.5	46.9	9.3	0	0	9	0	4	15	30	23	8	4	0	0
09:00	129	57.0	49.0	7.7	0	0	1	3	9	24	32	41	12	5	2	0
10:00	180	54.5	47.3	6.9	0	2	1	2	9	47	58	44	14	3	0	0
11:00	175	55.1	46.1	8.7	0	0	11	5	11	43	55	32	11	6	1	0
12:00	203	54.9	47.5	7.2	0	1	0	8	17	41	62	54	13	7	0	0
13:00	177	55.2	48.3	6.6	0	0	0	3	10	43	52	49	13	6	1	0
14:00	169	55.0	47.4	7.3	0	2	0	1	12	44	62	25	16	7	0	0
15:00	161	56.3	48.5	7.6	0	1	3	2	6	32	49	45	16	7	0	0
16:00	142	57.5	49.3	8.0	0	0	0	1	8	35	41	28	23	3	1	2
17:00	108	56.4	47.1	9.0	0	0	6	5	7	17	35	21	11	6	0	0
18:00	88	55.8	48.8	6.8	0	0	0	0	5	23	24	24	8	3	1	0
19:00	78	53.0	46.5	6.3	0	0	0	4	6	19	29	14	5	1	0	0
20:00	59	55.7	46.9	8.5	0	0	2	1	7	16	11	13	8	0	1	0
21:00	33	57.7	46.8	10.5	0	0	0	5	4	6	7	4	4	2	1	0
22:00	19	62.9	49.5	13.0	0	0	0	1	2	5	5	3	0	1	1	1
23:00	12	60.7	46.9	13.4	0	0	2	0	0	2	4	2	1	0	1	0
Total																
2H(10-12)	355	54.8	46.7	7.8	0	2	12	7	20	90	113	76	25	9	1	0
2H(14-16)	330	55.7	47.9	7.4	0	3	3	3	18	76	111	70	32	14	0	0
12H(7-19)	1671	55.7	47.8	7.7	0	6	31	32	100	375	517	396	147	59	6	2
24H(0-24)	1965	55.8	47.7	7.8	0	6	36	44	125	446	597	457	175	66	10	3
AM Peak	10:00	09:00	05:00	01:00	00:00	10:00	11:00	11:00	11:00	10:00	10:00	10:00	10:00	11:00	09:00	00:00
	180	57.0	49.9	10.7	0	2	11	5	11	47	58	44	14	6	2	0
PM Peak	12:00	22:00	22:00	23:00	12:00	14:00	17:00	12:00	12:00	14:00	12:00	12:00	16:00	12:00	13:00	16:00
	203	62.9	49.5	13.4	0	2	6	8	17	44	62	54	23	7	1	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	17	56.7	44.6	11.7	0	0	2	2	1	3	4	3	0	2	0	0
01:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
02:00	3	57.2	44.2	12.6	0	0	0	1	0	1	0	0	1	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	6	51.8	46.7	4.9	0	0	0	0	0	3	1	2	0	0	0	0
05:00	13	53.0	42.3	10.3	0	1	0	1	2	3	3	3	0	0	0	0
06:00	30	50.2	44.7	5.4	0	0	0	0	7	8	11	3	1	0	0	0
07:00	53	54.9	45.7	8.9	0	1	1	2	7	13	15	5	8	1	0	0
08:00	66	55.1	45.8	9.0	0	1	0	1	12	20	15	10	5	1	0	1
09:00	118	51.5	44.4	6.8	0	1	3	3	17	33	42	17	1	1	0	0
10:00	150	50.7	44.4	6.1	0	0	0	3	31	54	39	18	3	1	1	0
11:00	208	52.1	44.7	7.2	0	1	3	4	37	72	54	22	11	3	1	0
12:00	190	51.1	43.3	7.5	0	1	8	11	32	59	49	23	5	2	0	0
13:00	188	51.5	44.8	6.5	0	1	1	7	25	59	68	20	5	1	1	0
14:00	192	52.9	46.1	6.5	0	0	0	3	19	74	52	30	10	3	0	1
15:00	193	53.6	46.0	7.3	0	0	0	3	30	66	52	22	12	7	0	1
16:00	134	54.7	46.4	8.0	0	2	0	3	15	37	43	18	11	4	1	0
17:00	146	53.8	46.3	7.2	0	1	0	6	12	44	43	32	3	4	1	0
18:00	104	56.2	47.6	8.3	0	0	1	1	15	22	31	22	4	6	2	0
19:00	80	55.8	46.6	8.9	0	0	0	7	12	13	26	14	2	4	2	0
20:00	83	54.7	46.6	7.8	0	0	1	1	8	28	25	12	5	2	0	1
21:00	48	56.8	47.3	9.2	0	1	1	0	5	8	17	10	4	1	1	0
22:00	25	58.3	47.3	10.6	0	0	0	1	4	7	6	4	1	1	0	1
23:00	12	47.6	42.9	4.5	0	0	0	1	1	6	4	0	0	0	0	0
Total																
2H(10-12)	358	51.5	44.6	6.7	0	1	3	7	68	126	93	40	14	4	2	0
2H(14-16)	385	53.2	46.1	6.9	0	0	0	6	49	140	104	52	22	10	0	2
12H(7-19)	1742	52.9	45.3	7.3	0	9	17	47	252	553	503	239	78	34	7	3
24H(0-24)	2060	53.3	45.4	7.5	0	11	21	61	292	634	600	290	92	44	10	5
AM Peak	11:00 208	02:00 57.2	04:00 46.7	02:00 12.6	00:00 0	05:00 1	09:00 3	11:00 4	11:00 37	11:00 72	11:00 54	11:00 22	11:00 11	11:00 3	10:00 1	08:00 1
PM Peak	15:00 193	22:00 58.3	18:00 47.6	22:00 10.6	12:00 0	16:00 2	12:00 8	12:00 11	12:00 32	14:00 74	13:00 68	17:00 32	15:00 12	15:00 7	18:00 2	14:00 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<70	Bin 11 70<80	Bin 12 ≥80
00:00	26	55.5	45.4	9.8	0	0	2	2	1	7	6	6	0	2	0	0
01:00	5	50.6	41.0	9.3	0	0	1	0	0	2	2	0	0	0	0	0
02:00	8	53.8	45.0	8.5	0	0	0	1	1	3	0	2	1	0	0	0
03:00	3	47.7	42.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
04:00	12	54.3	47.3	6.8	0	0	0	0	0	6	3	2	0	1	0	0
05:00	40	56.3	47.4	8.6	0	1	0	1	4	8	8	11	7	0	0	0
06:00	69	53.8	47.1	6.5	0	0	0	1	9	15	23	15	4	2	0	0
07:00	99	54.7	46.5	7.9	0	1	1	4	9	24	32	15	10	3	0	0
08:00	159	55.9	46.5	9.1	0	1	9	1	16	35	45	33	13	5	0	1
09:00	247	54.7	46.8	7.7	0	1	4	6	26	57	74	58	13	6	2	0
10:00	330	53.0	46.0	6.7	0	2	1	5	40	101	97	62	17	4	1	0
11:00	383	53.5	45.3	7.9	0	1	14	9	48	115	109	54	22	9	2	0
12:00	393	53.4	45.5	7.6	0	2	8	19	49	100	111	77	18	9	0	0
13:00	365	53.5	46.5	6.8	0	1	1	10	35	102	120	69	18	7	2	0
14:00	361	53.9	46.7	6.9	0	2	0	4	31	118	114	55	26	10	0	1
15:00	354	54.9	47.1	7.5	0	1	3	5	36	98	101	67	28	14	0	1
16:00	276	56.3	47.9	8.1	0	2	0	4	23	72	84	46	34	7	2	2
17:00	254	55.0	46.6	8.0	0	1	6	11	19	61	78	53	14	10	1	0
18:00	192	56.1	48.2	7.6	0	0	1	1	20	45	55	46	12	9	3	0
19:00	158	54.5	46.5	7.7	0	0	0	11	18	32	55	28	7	5	2	0
20:00	142	55.1	46.7	8.1	0	0	3	2	15	44	36	25	13	2	1	1
21:00	81	57.1	47.1	9.7	0	1	1	5	9	14	24	14	8	3	2	0
22:00	44	60.3	48.2	11.6	0	0	0	2	6	12	11	7	1	2	1	2
23:00	24	55.2	44.9	10.0	0	0	2	1	1	8	8	2	1	0	1	0
Total																
2H(10-12)	713	53.3	45.6	7.4	0	3	15	14	88	216	206	116	39	13	3	0
2H(14-16)	715	54.4	46.9	7.2	0	3	3	9	67	216	215	122	54	24	0	2
12H(7-19)	3413	54.4	46.5	7.6	0	15	48	79	352	928	1020	635	225	93	13	5
24H(0-24)	4025	54.6	46.6	7.7	0	17	57	105	417	1080	1197	747	267	110	20	8
AM Peak	11:00	05:00	05:00	00:00	00:00	10:00	11:00	11:00	11:00	11:00	11:00	10:00	11:00	11:00	09:00	08:00
	383	56.3	47.4	9.8	0	2	14	9	48	115	109	62	22	9	2	1
PM Peak	12:00	22:00	22:00	22:00	12:00	12:00	12:00	12:00	12:00	14:00	13:00	12:00	16:00	15:00	18:00	16:00
	393	60.3	48.2	11.6	0	2	8	19	49	118	120	77	34	14	3	2

Paul Castle Associates

Tween Bridge ATC 9, A614 Tudworth Road

Direction: Southbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	62.9	54.6	8.0	0	0	0	0	0	0	3	1	1	2	0	0
01:00	3	57.1	49.2	7.6	0	0	0	0	0	1	1	0	1	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	4	54.8	47.5	7.1	0	0	0	0	1	0	1	2	0	0	0	0
04:00	17	57.5	50.3	7.0	0	0	0	0	1	2	7	2	4	1	0	0
05:00	74	56.6	50.1	6.3	0	0	0	1	0	16	20	21	13	3	0	0
06:00	114	57.1	49.8	7.0	0	1	0	1	5	12	39	36	14	6	0	0
07:00	261	54.8	48.6	5.9	0	1	0	2	9	54	87	78	26	4	0	0
08:00	218	55.1	49.1	5.8	0	0	1	1	6	41	74	67	23	5	0	0
09:00	165	52.9	47.3	5.4	0	0	0	0	11	49	54	38	12	1	0	0
10:00	146	52.5	45.6	6.6	0	0	1	13	6	45	46	26	8	1	0	0
11:00	155	52.9	45.4	7.3	0	0	5	4	16	58	30	29	11	2	0	0
12:00	154	53.3	45.4	7.6	0	0	1	12	17	49	36	29	4	5	1	0
13:00	172	54.6	47.0	7.3	0	0	2	2	20	48	49	27	17	7	0	0
14:00	154	54.3	47.9	6.2	0	0	0	1	10	41	51	33	15	2	1	0
15:00	193	54.3	48.3	5.8	0	0	0	0	8	54	56	58	13	3	1	0
16:00	227	55.4	48.4	6.7	0	0	3	2	14	43	73	65	19	8	0	0
17:00	182	56.1	49.3	6.5	0	0	0	1	7	41	54	48	23	7	1	0
18:00	119	55.1	48.4	6.4	0	0	0	2	11	15	48	25	15	3	0	0
19:00	62	58.6	51.2	7.2	0	0	0	0	3	8	16	20	10	4	1	0
20:00	49	58.5	50.2	8.0	0	0	1	1	2	6	13	14	8	4	0	0
21:00	40	56.3	48.6	7.4	0	0	0	1	4	8	8	13	4	2	0	0
22:00	21	55.2	46.7	8.3	0	0	1	0	2	6	6	1	5	0	0	0
23:00	14	58.6	47.7	10.5	0	0	0	1	0	8	0	2	2	0	1	0
Total																
2H(10-12)	301	52.7	45.5	7.0	0	0	6	17	22	103	76	55	19	3	0	0
2H(14-16)	347	54.3	48.1	6.0	0	0	0	1	18	95	107	91	28	5	2	0
12H(7-19)	2146	54.5	47.7	6.6	0	1	13	40	135	538	658	523	186	48	4	0
24H(0-24)	2553	55.0	48.1	6.7	0	2	15	45	153	605	773	636	248	70	6	0
AM Peak	07:00	00:00	00:00	00:00	00:00	06:00	11:00	10:00	11:00	11:00	07:00	07:00	07:00	06:00	00:00	00:00
	261	62.9	54.6	8.0	0	1	5	13	16	58	87	78	26	6	0	0
PM Peak	16:00	19:00	19:00	23:00	12:00	12:00	16:00	12:00	13:00	15:00	16:00	16:00	17:00	16:00	12:00	12:00
	227	58.6	51.2	10.5	0	0	3	12	20	54	73	65	23	8	1	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	8	55.5	50.0	5.3	0	0	0	0	0	2	1	4	1	0	0	0
01:00	4	55.2	50.0	5.0	0	0	0	0	0	1	0	3	0	0	0	0
02:00	5	52.5	45.5	6.7	0	0	0	0	1	2	0	2	0	0	0	0
03:00	4	43.0	40.0	2.9	0	0	0	0	2	2	0	0	0	0	0	0
04:00	10	47.7	42.0	5.5	0	0	0	2	0	5	3	0	0	0	0	0
05:00	22	54.5	47.3	7.0	0	0	0	2	0	6	6	5	3	0	0	0
06:00	64	52.8	46.1	6.4	0	0	0	3	7	16	23	10	4	1	0	0
07:00	154	52.1	45.6	6.2	0	0	1	2	27	38	51	28	5	2	0	0
08:00	196	52.4	46.3	5.9	0	0	0	1	26	55	70	30	11	3	0	0
09:00	165	50.5	44.5	5.9	0	0	0	6	28	63	40	21	6	1	0	0
10:00	155	48.8	41.7	6.8	0	1	4	7	55	48	24	10	5	1	0	0
11:00	170	49.1	41.8	7.0	0	2	2	17	42	54	42	7	3	0	1	0
12:00	168	49.3	43.3	5.7	0	0	2	6	39	58	42	19	2	0	0	0
13:00	175	51.5	44.4	6.9	0	1	0	5	30	65	50	20	1	1	1	1
14:00	206	51.5	44.8	6.4	0	2	0	3	35	68	60	28	9	1	0	0
15:00	220	52.2	45.3	6.6	0	1	0	5	38	67	62	31	13	3	0	0
16:00	246	52.5	46.3	5.9	0	0	0	3	25	77	87	37	13	3	1	0
17:00	226	52.8	46.8	5.8	0	0	2	3	13	69	72	56	9	2	0	0
18:00	150	55.7	48.3	7.2	0	0	2	0	10	36	45	42	6	8	1	0
19:00	68	56.1	48.5	7.4	0	0	0	1	7	12	22	18	4	3	1	0
20:00	70	54.9	47.4	7.2	0	1	0	1	4	17	25	12	9	1	0	0
21:00	58	56.4	47.2	8.9	0	0	1	3	8	12	11	15	5	2	1	0
22:00	28	55.9	47.7	8.0	0	0	0	0	7	3	6	9	1	2	0	0
23:00	19	53.4	42.9	10.2	0	0	2	2	3	3	6	1	1	1	0	0
Total																
2H(10-12)	325	48.9	41.8	6.9	0	3	6	24	97	102	66	17	8	1	1	0
2H(14-16)	426	51.8	45.1	6.5	0	3	0	8	73	135	122	59	22	4	0	0
12H(7-19)	2231	51.8	45.0	6.6	0	7	13	58	368	698	645	329	83	25	4	1
24H(0-24)	2591	52.3	45.3	6.8	0	8	16	72	407	779	748	408	111	35	6	1
AM Peak	08:00 196	00:00 55.5	00:00 50.0	11:00 7.0	00:00 0	11:00 2	10:00 4	11:00 17	10:00 55	09:00 63	08:00 70	08:00 30	08:00 11	08:00 3	11:00 1	00:00 0
PM Peak	16:00 246	21:00 56.4	19:00 48.5	23:00 10.2	12:00 0	14:00 2	12:00 2	12:00 6	12:00 39	16:00 77	16:00 87	17:00 56	15:00 13	18:00 8	13:00 1	13:00 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<70	Bin 11 70<80	Bin 12 ≥80
00:00	15	59.3	52.2	6.9	0	0	0	0	0	2	4	5	2	2	0	0
01:00	7	55.5	49.6	5.7	0	0	0	0	0	2	1	3	1	0	0	0
02:00	7	53.1	46.8	6.1	0	0	0	0	1	2	1	3	0	0	0	0
03:00	8	50.4	43.8	6.4	0	0	0	0	3	2	1	2	0	0	0	0
04:00	27	55.0	47.2	7.5	0	0	0	2	1	7	10	2	4	1	0	0
05:00	96	56.2	49.5	6.5	0	0	0	3	0	22	26	26	16	3	0	0
06:00	178	55.8	48.5	7.0	0	1	0	4	12	28	62	46	18	7	0	0
07:00	415	54.0	47.5	6.2	0	1	1	4	36	92	138	106	31	6	0	0
08:00	414	54.0	47.8	6.0	0	0	1	2	32	96	144	97	34	8	0	0
09:00	330	51.9	45.9	5.8	0	0	0	6	39	112	94	59	18	2	0	0
10:00	301	50.9	43.6	7.0	0	1	5	20	61	93	70	36	13	2	0	0
11:00	325	51.1	43.5	7.3	0	2	7	21	58	112	72	36	14	2	1	0
12:00	322	51.4	44.3	6.8	0	0	3	18	56	107	78	48	6	5	1	0
13:00	347	53.2	45.7	7.2	0	1	2	7	50	113	99	47	18	8	1	1
14:00	360	52.9	46.1	6.5	0	2	0	4	45	109	111	61	24	3	1	0
15:00	413	53.3	46.7	6.4	0	1	0	5	46	121	118	89	26	6	1	0
16:00	473	54.0	47.3	6.4	0	0	3	5	39	120	160	102	32	11	1	0
17:00	408	54.4	47.9	6.3	0	0	2	4	20	110	126	104	32	9	1	0
18:00	269	55.4	48.3	6.8	0	0	2	2	21	51	93	67	21	11	1	0
19:00	130	57.4	49.8	7.4	0	0	0	1	10	20	38	38	14	7	2	0
20:00	119	56.5	48.6	7.7	0	1	1	2	6	23	38	26	17	5	0	0
21:00	98	56.4	47.8	8.3	0	0	1	4	12	20	19	28	9	4	1	0
22:00	49	55.6	47.2	8.0	0	0	1	0	9	9	12	10	6	2	0	0
23:00	33	55.7	44.9	10.4	0	0	2	3	3	11	6	3	3	1	1	0
Total																
2H(10-12)	626	51.0	43.6	7.2	0	3	12	41	119	205	142	72	27	4	1	0
2H(14-16)	773	53.1	46.4	6.5	0	3	0	9	91	230	229	150	50	9	2	0
12H(7-19)	4377	53.3	46.3	6.7	0	8	26	98	503	1236	1303	852	269	73	8	1
24H(0-24)	5144	53.8	46.7	6.9	0	10	31	117	560	1384	1521	1044	359	105	12	1
AM Peak	07:00	00:00	00:00	04:00	00:00	11:00	11:00	11:00	10:00	09:00	08:00	07:00	08:00	08:00	11:00	00:00
	415	59.3	52.2	7.5	0	2	7	21	61	112	144	106	34	8	1	0
PM Peak	16:00	19:00	19:00	23:00	12:00	14:00	12:00	12:00	12:00	15:00	16:00	17:00	16:00	16:00	19:00	13:00
	473	57.4	49.8	10.4	0	2	3	18	56	121	160	104	32	11	2	1

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Appendix J: Automatic Traffic Survey Reports – Link 10

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	7	14	16	14	21	25	14	13	16
01:00	1	2	5	4	7	10	1	3	4
02:00	9	5	10	7	11	18	2	7	9
03:00	10	13	14	18	20	21	13	14	16
04:00	21	15	23	24	20	17	17	20	20
05:00	109	110	99	95	53	39	112	105	88
06:00	174	148	187	160	71	29	137	161	129
07:00	349	373	327	336	125	60	381	353	279
08:00	313	311	307	306	138	74	301	308	250
09:00	239	253	246	282	186	105	244	253	222
10:00	252	243	261	258	210	193	230	249	235
11:00	226	254	240	294	245	248	253	253	251
12:00	262	241	215	285	236	254	260	253	250
13:00	282	241	255	321	266	218	240	268	260
14:00	292	275	303	360	280	255	280	302	292
15:00	334	307	350	313	246	211	288	318	293
16:00	411	403	433	388	281	219	373	402	358
17:00	406	458	394	401	254	220	431	418	366
18:00	243	249	247	251	177	128	270	252	224
19:00	143	160	178	152	116	80	146	156	139
20:00	88	137	111	84	85	71	82	100	94
21:00	56	72	80	58	59	56	62	66	63
22:00	39	35	35	40	28	23	19	34	31
23:00	16	8	27	19	25	13	18	18	18
Total									
12H(7-19)	3609	3608	3578	3795	2644	2185	3551	3628	3281
16H(6-22)	4070	4125	4134	4249	2975	2421	3978	4111	3707
18H(6-24)	4125	4168	4196	4308	3028	2457	4015	4161	3757
24H(0-24)	4282	4327	4363	4470	3160	2587	4174	4323	3909
AM Peak	07:00 349	07:00 373	07:00 327	07:00 336	11:00 245	11:00 248	07:00 381	07:00 353	07:00 279
PM Peak	16:00 411	17:00 458	16:00 433	17:00 401	16:00 281	14:00 255	17:00 431	17:00 418	17:00 366

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Direction: Westbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	7	2	6	9	14	13	2	5	8
01:00	1	2	5	7	9	12	2	3	5
02:00	10	4	6	6	16	22	5	6	10
03:00	18	22	22	14	33	43	20	19	25
04:00	64	63	60	89	70	67	64	68	68
05:00	152	157	132	179	85	59	149	154	130
06:00	273	261	256	228	115	41	243	252	202
07:00	442	427	502	442	121	62	437	450	348
08:00	410	391	379	350	144	71	374	381	303
09:00	313	281	308	273	223	115	287	292	257
10:00	271	288	301	323	318	209	296	296	287
11:00	296	308	297	261	313	284	302	285	289
12:00	271	280	280	257	291	240	240	258	260
13:00	280	250	230	263	255	190	236	252	243
14:00	269	309	279	259	272	239	265	276	270
15:00	343	304	279	304	257	207	308	308	286
16:00	316	336	338	314	211	177	321	321	285
17:00	311	284	300	299	200	152	327	304	268
18:00	191	251	166	196	142	98	178	196	175
19:00	95	113	97	88	70	58	109	100	90
20:00	70	85	87	75	56	54	67	77	71
21:00	60	38	54	61	46	36	53	60	50
22:00	31	36	31	32	32	16	24	31	29
23:00	19	13	18	20	20	14	18	18	17
Total									
12H(7-19)	3713	3709	3559	3541	2747	2044	3571	3619	3269
16H(6-22)	4211	4206	4053	3993	3034	2233	4043	4101	3682
18H(6-24)	4261	4255	4102	4045	3086	2263	4085	4150	3728
24H(0-24)	4513	4505	4333	4349	3313	2479	4327	4405	3974
AM Peak	07:00 442	07:00 427	07:00 502	07:00 442	10:00 318	11:00 284	07:00 437	07:00 450	07:00 348
PM Peak	15:00 343	16:00 336	16:00 318	16:00 314	12:00 291	12:00 240	17:00 327	16:00 321	15:00 286

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Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	14	16	22	23	35	38	16	18	23
01:00	2	4	10	11	16	22	3	6	10
02:00	19	9	16	13	27	40	7	13	19
03:00	28	35	36	32	53	64	33	33	40
04:00	85	78	83	113	90	84	81	88	88
05:00	261	267	231	274	138	98	261	259	219
06:00	447	409	443	388	186	70	380	413	332
07:00	791	800	829	778	246	122	818	803	626
08:00	723	702	686	656	282	145	675	688	553
09:00	552	534	554	555	409	220	531	545	479
10:00	523	531	562	581	528	402	526	545	522
11:00	522	562	497	555	558	532	555	538	540
12:00	533	521	455	542	527	494	500	510	510
13:00	562	491	485	584	521	408	476	520	504
14:00	561	584	582	619	552	494	545	578	562
15:00	677	611	629	617	503	418	596	626	579
16:00	727	739	751	702	492	396	694	723	643
17:00	717	742	694	700	454	372	758	722	634
18:00	434	500	413	447	319	226	448	448	398
19:00	238	273	275	240	186	138	255	256	229
20:00	158	222	198	159	141	125	149	177	165
21:00	116	110	134	119	105	92	115	119	113
22:00	70	71	66	72	60	39	43	64	60
23:00	35	21	45	39	45	27	36	35	35
Total									
12H(7-19)	7322	7317	7137	7336	5391	4229	7122	7247	6551
16H(6-22)	8281	8331	8187	8242	6009	4654	8021	8212	7389
18H(6-24)	8386	8423	8298	8353	6114	4720	8100	8312	7485
24H(0-24)	8795	8832	8696	8819	6473	5066	8501	8729	7883
AM Peak	07:00 791	07:00 800	07:00 829	07:00 778	11:00 558	11:00 532	07:00 818	07:00 803	07:00 626
PM Peak	16:00 727	17:00 742	16:00 751	16:00 702	14:00 552	12:00 494	17:00 758	16:00 723	16:00 643

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Tween Bridge ATC 10, A18 High Levels Bank

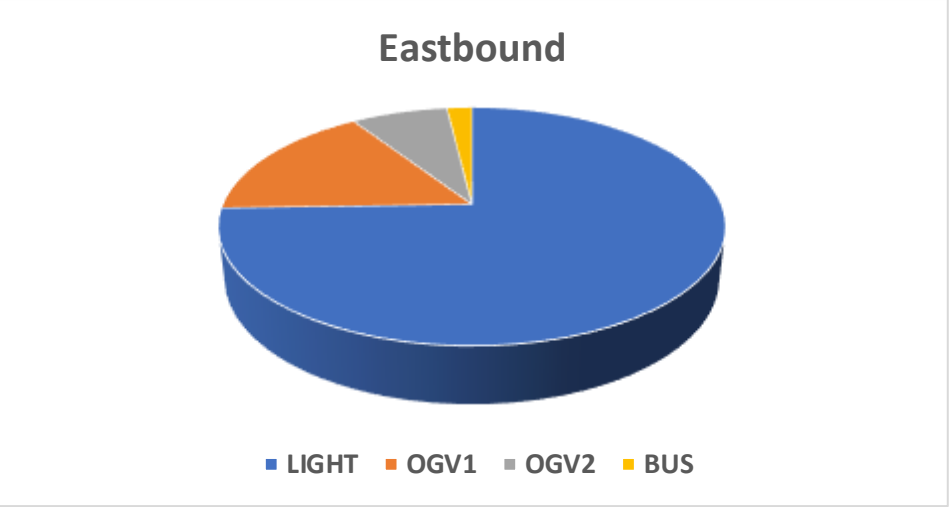
Direction: Eastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4282	3239	658	308	77
Wed 7 Jun 2023	4327	3127	784	326	90
Thu 8 Jun 2023	4363	3214	736	318	95
Fri 9 Jun 2023	4470	3327	785	288	70
Sat 10 Jun 2023	3160	2374	479	244	63
Sun 11 Jun 2023	2587	2031	313	189	54
Mon 12 Jun 2023	4174	3077	687	337	73
5 Day Ave.	4323	3197	730	315	81
7 Day Ave.	3909	2913	635	287	75

Direction: Westbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4513	4012	473	21	7
Wed 7 Jun 2023	4505	3974	489	24	18
Thu 8 Jun 2023	4333	3588	672	37	36
Fri 9 Jun 2023	4349	3860	425	39	25
Sat 10 Jun 2023	3313	3064	219	18	12
Sun 11 Jun 2023	2479	2258	199	15	7
Mon 12 Jun 2023	4327	3917	365	30	15
5 Day Ave.	4405	3870	485	30	20
7 Day Ave.	3974	3525	406	26	17

Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	8795	7251	1131	329	84
Wed 7 Jun 2023	8832	7101	1273	350	108
Thu 8 Jun 2023	8696	6802	1408	355	131
Fri 9 Jun 2023	8819	7187	1210	327	95
Sat 10 Jun 2023	6473	5438	698	262	75
Sun 11 Jun 2023	5066	4289	512	204	61
Mon 12 Jun 2023	8501	6994	1052	367	88
5 Day Ave.	8729	7067	1215	346	101
7 Day Ave.	7883	6437	1041	313	92

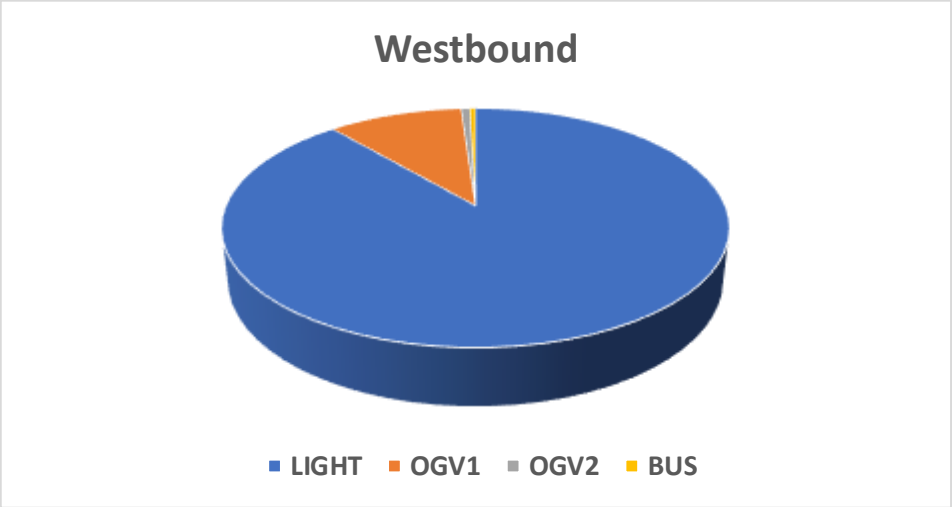
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	75.6%	15.4%	7.2%	1.8%
Wed 7 Jun 2023	100.0%	72.3%	18.1%	7.5%	2.1%
Thu 8 Jun 2023	100.0%	73.7%	16.9%	7.3%	2.2%
Fri 9 Jun 2023	100.0%	74.4%	17.6%	6.4%	1.6%
Sat 10 Jun 2023	100.0%	75.1%	15.2%	7.7%	2.0%
Sun 11 Jun 2023	100.0%	78.5%	12.1%	7.3%	2.1%
Mon 12 Jun 2023	100.0%	73.7%	16.5%	8.1%	1.7%
5 Day Ave.	100.0%	73.9%	16.9%	7.3%	1.9%
7 Day Ave.	100.0%	74.5%	16.2%	7.3%	1.9%

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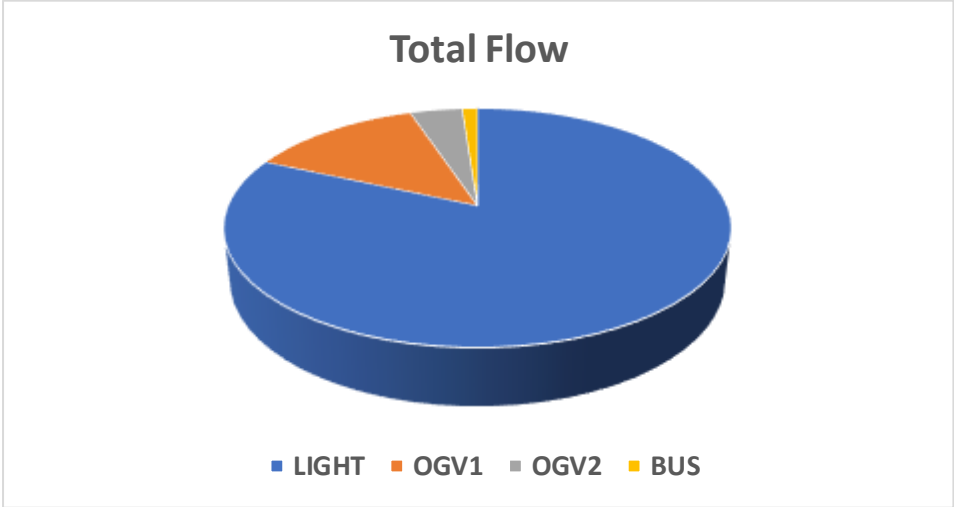
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	88.9%	10.5%	0.5%	0.2%
Wed 7 Jun 2023	100.0%	88.2%	10.9%	0.5%	0.4%
Thu 8 Jun 2023	100.0%	82.8%	15.5%	0.9%	0.8%
Fri 9 Jun 2023	100.0%	88.8%	9.8%	0.9%	0.6%
Sat 10 Jun 2023	100.0%	92.5%	6.6%	0.5%	0.4%
Sun 11 Jun 2023	100.0%	91.1%	8.0%	0.6%	0.3%
Mon 12 Jun 2023	100.0%	90.5%	8.4%	0.7%	0.3%
5 Day Ave.	100.0%	87.9%	11.0%	0.7%	0.5%
7 Day Ave.	100.0%	88.7%	10.2%	0.7%	0.4%

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	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	82.4%	12.9%	3.7%	1.0%
Wed 7 Jun 2023	100.0%	80.4%	14.4%	4.0%	1.2%
Thu 8 Jun 2023	100.0%	78.2%	16.2%	4.1%	1.5%
Fri 9 Jun 2023	100.0%	81.5%	13.7%	3.7%	1.1%
Sat 10 Jun 2023	100.0%	84.0%	10.8%	4.0%	1.2%
Sun 11 Jun 2023	100.0%	84.7%	10.1%	4.0%	1.2%
Mon 12 Jun 2023	100.0%	82.3%	12.4%	4.3%	1.0%
5 Day Ave.	100.0%	81.0%	13.9%	4.0%	1.2%
7 Day Ave.	100.0%	81.7%	13.2%	4.0%	1.2%

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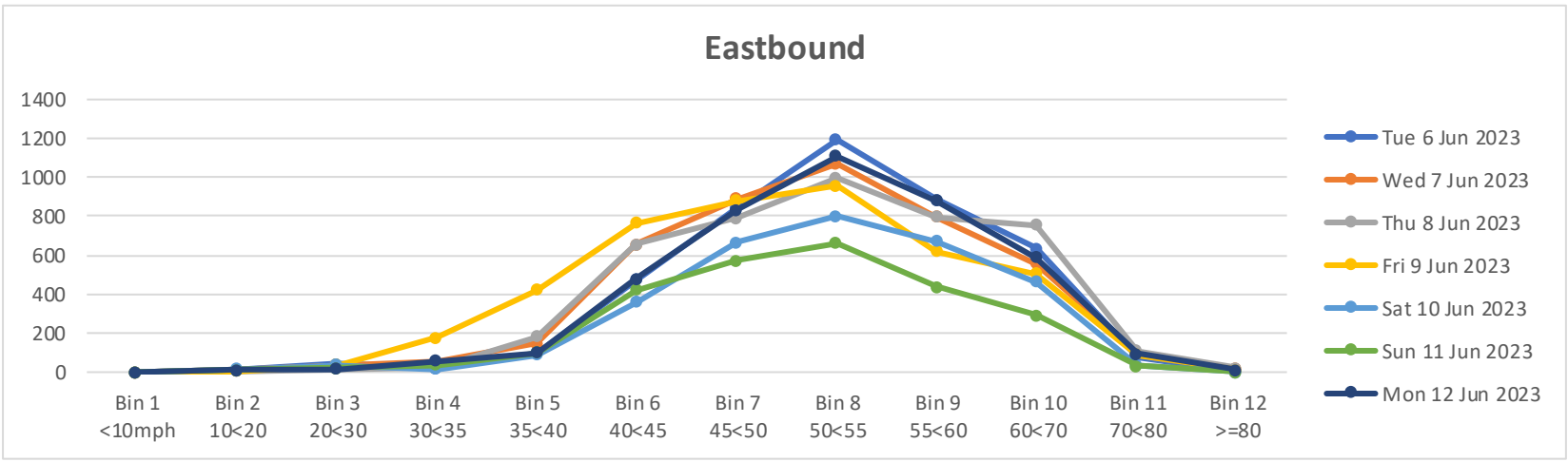


Tween Bridge ATC 10, A18 High Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	4282	61.8	52.9	8.5	0	13	41	20	101	473	842	1193	884	633	77	5
Wed 7 Jun 2023	4327	61.4	52.1	9.0	0	12	31	52	147	655	892	1070	799	557	97	15
Thu 8 Jun 2023	4363	62.5	52.9	9.3	0	8	17	28	183	658	791	997	798	756	107	20
Fri 9 Jun 2023	4470	60.0	49.9	9.7	0	7	36	177	420	768	880	958	620	505	88	11
Sat 10 Jun 2023	3160	61.5	52.5	8.7	0	16	36	16	91	360	666	802	670	464	37	2
Sun 11 Jun 2023	2587	59.9	51.1	8.6	0	10	20	37	100	424	574	661	439	292	29	1
Mon 12 Jun 2023	4174	61.9	52.9	8.7	0	13	15	56	100	479	833	1107	881	589	92	9
5 Day Ave.	4323	61.5	52.1	9.0	0	11	28	67	190	607	848	1065	796	608	92	12
7 Day Ave.	3909	61.3	52.0	8.9	0	11	28	55	163	545	783	970	727	542	75	9

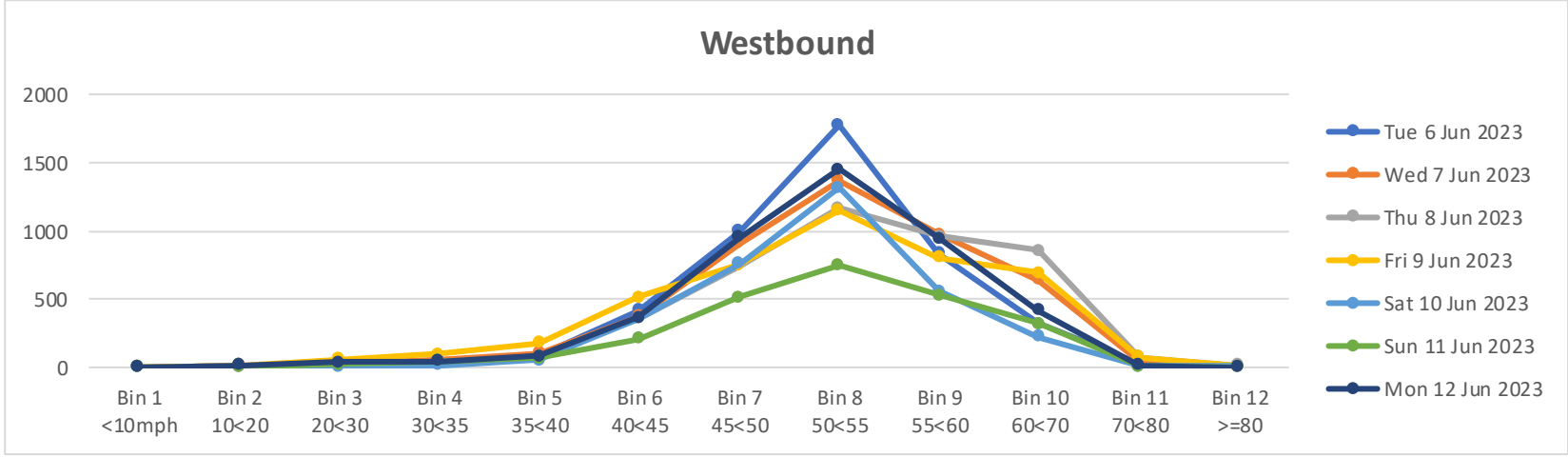
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Direction: Westbound

	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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	4513	58.9	51.8	6.9	0	13	16	35	80	418	1001	1774	833	317	21	5
Wed 7 Jun 2023	4505	61.1	52.9	8.0	0	8	28	61	108	375	907	1366	972	640	35	5
Thu 8 Jun 2023	4333	63.1	54.2	8.6	0	8	33	35	78	359	748	1169	962	853	75	13
Fri 9 Jun 2023	4349	62.1	52.3	9.5	1	13	57	100	180	514	753	1149	803	692	77	10
Sat 10 Jun 2023	3313	58.3	51.6	6.5	0	3	8	14	56	360	759	1318	562	221	6	6
Sun 11 Jun 2023	2479	60.7	52.3	8.1	0	4	26	42	71	209	513	748	531	324	11	0
Mon 12 Jun 2023	4327	59.9	52.2	7.5	0	13	35	45	79	365	852	1454	943	420	18	3
5 Day Ave.	4405	61.0	52.6	8.1	0	11	34	55	105	406	872	1382	903	584	45	7
7 Day Ave.	3974	60.6	52.4	7.9	0	9	29	47	93	371	805	1283	801	495	35	6

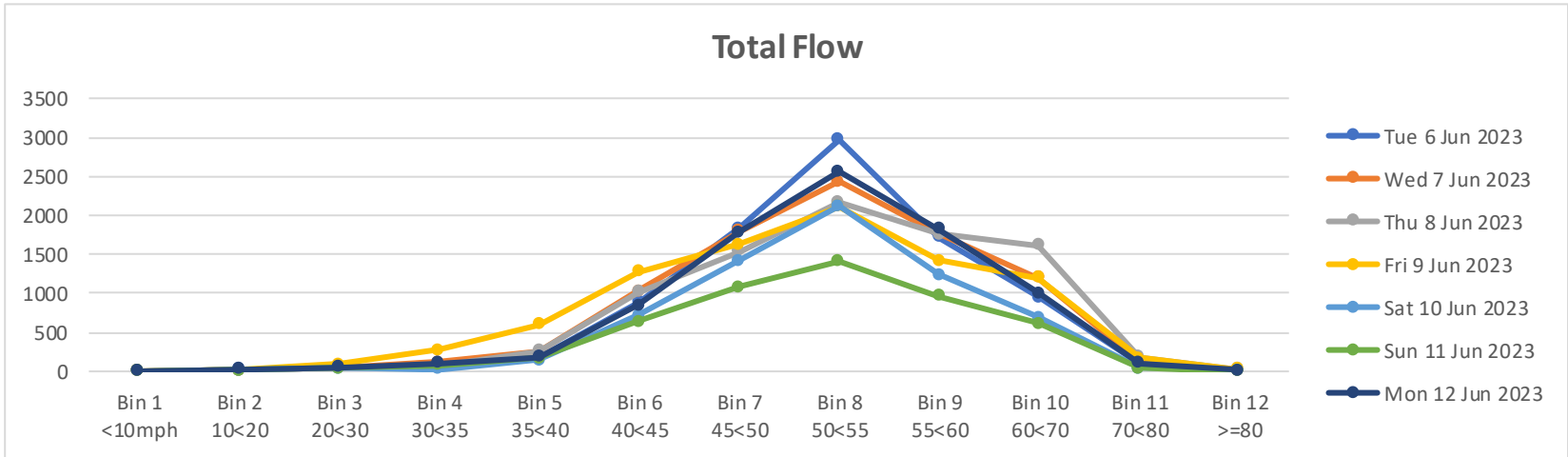
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	8795	60.4	52.3	7.8	0	26	57	55	181	891	1843	2967	1717	950	98	10
Wed 7 Jun 2023	8832	61.3	52.5	8.5	0	20	59	113	255	1030	1799	2436	1771	1197	132	20
Thu 8 Jun 2023	8696	62.8	53.5	9.0	0	16	50	63	261	1017	1539	2166	1760	1609	182	33
Fri 9 Jun 2023	8819	61.1	51.1	9.7	1	20	93	277	600	1282	1633	2107	1423	1197	165	21
Sat 10 Jun 2023	6473	60.0	52.0	7.7	0	19	44	30	147	720	1425	2120	1232	685	43	8
Sun 11 Jun 2023	5066	60.3	51.7	8.4	0	14	46	79	171	633	1087	1409	970	616	40	1
Mon 12 Jun 2023	8501	60.9	52.5	8.1	0	26	50	101	179	844	1785	2561	1824	1009	110	12
5 Day Ave.	8729	61.3	52.4	8.6	0	22	62	122	295	1013	1720	2447	1699	1192	137	19
7 Day Ave.	7883	61.0	52.2	8.4	0	20	57	103	256	917	1587	2252	1528	1038	110	15

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Tween Bridge ATC 10, A18 High Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	478	59.8	50.3	9.2	0	7	7	7	24	60	109	132	86	43	3	0
Wed 7 Jun 2023	497	57.1	48.0	8.7	0	2	10	13	30	131	122	101	57	24	6	1
Thu 8 Jun 2023	501	56.3	48.0	8.0	0	1	9	6	31	134	134	111	45	25	5	0
Fri 9 Jun 2023	552	52.4	43.9	8.2	0	1	11	53	110	152	116	59	30	20	0	0
Sat 10 Jun 2023	455	60.2	50.0	9.8	0	11	8	8	23	52	103	108	100	42	0	0
Sun 11 Jun 2023	441	55.6	47.3	8.0	0	2	4	16	34	120	119	81	48	12	5	0
Mon 12 Jun 2023	483	56.2	47.4	8.5	0	2	9	15	36	128	132	85	49	22	4	1
5 Day Ave.	502	56.4	47.5	8.5	0	3	9	19	46	121	123	98	53	27	4	0
7 Day Ave.	487	56.8	47.8	8.6	0	4	8	17	41	111	119	97	59	27	3	0

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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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	567	56.5	50.3	6.1	0	1	1	7	6	77	168	206	86	14	0	1
Wed 7 Jun 2023	596	58.6	50.1	8.2	0	1	11	14	28	77	136	183	103	40	3	0
Thu 8 Jun 2023	558	60.4	50.8	9.3	0	4	17	11	8	75	117	160	102	61	2	1
Fri 9 Jun 2023	584	55.8	46.7	8.8	0	4	12	25	46	161	164	99	37	29	6	1
Sat 10 Jun 2023	631	56.2	50.1	5.9	0	1	1	3	6	98	192	241	75	11	0	3
Sun 11 Jun 2023	493	58.3	49.7	8.2	0	1	12	13	23	62	117	151	81	33	0	0
Mon 12 Jun 2023	598	58.4	49.9	8.2	0	1	13	11	32	80	133	189	98	39	2	0
5 Day Ave.	581	58.0	49.6	8.1	0	2	11	14	24	94	144	167	85	37	3	1
7 Day Ave.	575	57.8	49.7	7.8	0	2	10	12	21	90	147	176	83	32	2	1

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	1045	58.2	50.3	7.6	0	8	8	14	30	137	277	338	172	57	3	1
Wed 7 Jun 2023	1093	58.0	49.2	8.5	0	3	21	27	58	208	258	284	160	64	9	1
Thu 8 Jun 2023	1059	58.6	49.5	8.8	0	5	26	17	39	209	251	271	147	86	7	1
Fri 9 Jun 2023	1136	54.3	45.3	8.6	0	5	23	78	156	313	280	158	67	49	6	1
Sat 10 Jun 2023	1086	58.1	50.0	7.8	0	12	9	11	29	150	295	349	175	53	0	3
Sun 11 Jun 2023	934	57.1	48.6	8.2	0	3	16	29	57	182	236	232	129	45	5	0
Mon 12 Jun 2023	1081	57.5	48.8	8.4	0	3	22	26	68	208	265	274	147	61	6	1
5 Day Ave.	1083	57.3	48.6	8.4	0	5	20	32	70	215	266	265	139	63	6	1
7 Day Ave.	1062	57.4	48.8	8.3	0	6	18	29	62	201	266	272	142	59	5	1

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	626	60.7	51.2	9.2	0	1	21	7	19	76	141	158	120	77	6	0
Wed 7 Jun 2023	582	59.5	50.3	8.9	0	3	6	3	24	122	141	140	79	52	9	3
Thu 8 Jun 2023	653	61.4	51.7	9.4	0	1	4	5	35	125	125	141	103	99	11	4
Fri 9 Jun 2023	673	56.1	46.7	9.1	0	1	2	47	111	152	145	114	48	43	9	1
Sat 10 Jun 2023	526	60.4	50.8	9.2	0	1	18	6	24	61	131	107	112	64	2	0
Sun 11 Jun 2023	466	59.0	50.1	8.6	0	3	8	2	16	96	112	112	65	50	2	0
Mon 12 Jun 2023	568	59.8	52.0	7.5	0	3	1	3	10	64	141	163	124	54	5	0
5 Day Ave.	620	59.5	50.4	8.8	0	2	7	13	40	108	139	143	95	65	8	2
7 Day Ave.	585	59.6	50.4	8.9	0	2	9	10	34	99	134	134	93	63	6	1

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	612	58.6	51.7	6.7	0	0	0	2	8	83	140	215	125	34	1	4
Wed 7 Jun 2023	613	59.8	50.4	9.1	0	2	13	22	24	91	120	169	95	76	1	0
Thu 8 Jun 2023	558	62.2	53.3	8.6	0	2	0	7	17	64	95	149	119	93	12	0
Fri 9 Jun 2023	563	60.7	50.6	9.7	0	0	12	15	28	85	131	138	86	51	12	5
Sat 10 Jun 2023	529	58.1	51.2	6.7	0	0	0	1	8	92	114	188	95	27	1	3
Sun 11 Jun 2023	446	59.6	49.9	9.4	0	2	14	16	21	63	79	133	69	49	0	0
Mon 12 Jun 2023	573	57.5	49.6	7.6	0	0	13	19	4	94	147	177	96	22	0	1
5 Day Ave.	584	59.8	51.1	8.3	0	1	8	13	16	83	127	170	104	55	5	2
7 Day Ave.	556	59.5	50.9	8.3	0	1	7	12	16	82	118	167	98	50	4	2

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	1238	59.8	51.5	8.0	0	1	21	9	27	159	281	373	245	111	7	4
Wed 7 Jun 2023	1195	59.7	50.3	9.0	0	5	19	25	48	213	261	309	174	128	10	3
Thu 8 Jun 2023	1211	61.8	52.4	9.1	0	3	4	12	52	189	220	290	222	192	23	4
Fri 9 Jun 2023	1236	58.4	48.5	9.6	0	1	14	62	139	237	276	252	134	94	21	6
Sat 10 Jun 2023	1055	59.3	51.0	8.0	0	1	18	7	32	153	245	295	207	91	3	3
Sun 11 Jun 2023	912	59.3	50.0	9.0	0	5	22	18	37	159	191	245	134	99	2	0
Mon 12 Jun 2023	1141	58.7	50.8	7.7	0	3	14	22	14	158	288	340	220	76	5	1
5 Day Ave.	1204	59.7	50.7	8.7	0	3	14	26	56	191	265	313	199	120	13	4
7 Day Ave.	1141	59.6	50.6	8.6	0	3	16	22	50	181	252	301	191	113	10	3

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	1	1	0	0	0
02:00	9	8	0	1	0
03:00	10	6	1	2	1
04:00	21	12	6	1	2
05:00	109	84	15	10	0
06:00	174	127	29	13	5
07:00	349	280	49	15	5
08:00	313	229	59	22	3
09:00	239	157	42	29	11
10:00	252	175	45	20	12
11:00	226	153	42	23	8
12:00	262	185	50	26	1
13:00	282	190	54	27	11
14:00	292	215	42	29	6
15:00	334	250	57	25	2
16:00	411	315	58	32	6
17:00	406	352	36	17	1
18:00	243	212	24	6	1
19:00	143	128	12	3	0
20:00	88	68	15	4	1
21:00	56	46	9	1	0
22:00	39	29	7	2	1
23:00	16	10	6	0	0
Total					
12H(7-19)	3609	2713	558	271	67
16H(6-22)	4070	3082	623	292	73
18H(6-24)	4125	3121	636	294	74
24H(0-24)	4282	3239	658	308	77
AM Peak	07:00 349	07:00 280	08:00 59	09:00 29	10:00 12
PM Peak	16:00 411	17:00 352	16:00 58	16:00 32	13:00 11

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	1	1	0	0	0
02:00	10	9	1	0	0
03:00	18	18	0	0	0
04:00	64	56	7	1	0
05:00	152	135	16	1	0
06:00	273	228	45	0	0
07:00	442	401	38	3	0
08:00	410	383	26	1	0
09:00	313	279	33	0	1
10:00	271	237	31	2	1
11:00	296	260	35	1	0
12:00	271	249	21	1	0
13:00	280	247	31	2	0
14:00	269	242	24	3	0
15:00	343	295	42	3	3
16:00	316	286	27	2	1
17:00	311	277	34	0	0
18:00	191	168	22	1	0
19:00	95	85	10	0	0
20:00	70	59	11	0	0
21:00	60	51	9	0	0
22:00	31	27	4	0	0
23:00	19	12	6	0	1
Total					
12H(7-19)	3713	3324	364	19	6
16H(6-22)	4211	3747	439	19	6
18H(6-24)	4261	3786	449	19	7
24H(0-24)	4513	4012	473	21	7
AM Peak	07:00 442	07:00 401	06:00 45	07:00 3	09:00 1
PM Peak	15:00 343	15:00 295	15:00 42	14:00 3	15:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	14	0	0	0
01:00	2	2	0	0	0
02:00	19	17	1	1	0
03:00	28	24	1	2	1
04:00	85	68	13	2	2
05:00	261	219	31	11	0
06:00	447	355	74	13	5
07:00	791	681	87	18	5
08:00	723	612	85	23	3
09:00	552	436	75	29	12
10:00	523	412	76	22	13
11:00	522	413	77	24	8
12:00	533	434	71	27	1
13:00	562	437	85	29	11
14:00	561	457	66	32	6
15:00	677	545	99	28	5
16:00	727	601	85	34	7
17:00	717	629	70	17	1
18:00	434	380	46	7	1
19:00	238	213	22	3	0
20:00	158	127	26	4	1
21:00	116	97	18	1	0
22:00	70	56	11	2	1
23:00	35	22	12	0	1
Total					
12H(7-19)	7322	6037	922	290	73
16H(6-22)	8281	6829	1062	311	79
18H(6-24)	8386	6907	1085	313	81
24H(0-24)	8795	7251	1131	329	84
AM Peak	07:00 791	07:00 681	07:00 87	09:00 29	10:00 13
PM Peak	16:00 727	17:00 629	15:00 99	16:00 34	13:00 11

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

07/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	13	0	0	1
01:00	2	2	0	0	0
02:00	5	4	1	0	0
03:00	13	6	3	3	1
04:00	15	7	7	1	0
05:00	110	77	27	4	2
06:00	148	103	34	9	2
07:00	373	283	68	12	10
08:00	311	216	62	25	8
09:00	253	162	62	20	9
10:00	243	165	39	29	10
11:00	254	159	54	34	7
12:00	241	153	59	18	11
13:00	241	160	39	35	7
14:00	275	193	49	30	3
15:00	307	207	55	40	5
16:00	403	308	59	30	6
17:00	458	381	62	15	0
18:00	249	201	35	10	3
19:00	160	123	28	5	4
20:00	137	109	23	5	0
21:00	72	62	9	1	0
22:00	35	26	9	0	0
23:00	8	7	0	0	1
Total					
12H(7-19)	3608	2588	643	298	79
16H(6-22)	4125	2985	737	318	85
18H(6-24)	4168	3018	746	318	86
24H(0-24)	4327	3127	784	326	90
AM Peak	07:00 373	07:00 283	07:00 68	11:00 34	07:00 10
PM Peak	17:00 458	17:00 381	17:00 62	15:00 40	12:00 11

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	4	4	0	0	0
03:00	22	21	1	0	0
04:00	63	56	6	0	1
05:00	157	145	11	1	0
06:00	261	221	33	5	2
07:00	427	396	31	0	0
08:00	391	361	27	1	2
09:00	281	249	28	3	1
10:00	288	252	33	1	2
11:00	308	282	25	0	1
12:00	280	231	45	2	2
13:00	250	222	23	4	1
14:00	309	279	29	0	1
15:00	304	261	41	0	2
16:00	336	280	50	3	3
17:00	284	247	37	0	0
18:00	251	218	29	4	0
19:00	113	98	15	0	0
20:00	85	70	15	0	0
21:00	38	35	3	0	0
22:00	36	32	4	0	0
23:00	13	10	3	0	0
Total					
12H(7-19)	3709	3278	398	18	15
16H(6-22)	4206	3702	464	23	17
18H(6-24)	4255	3744	471	23	17
24H(0-24)	4505	3974	489	24	18
AM Peak	07:00 427	07:00 396	06:00 33	06:00 5	06:00 2
PM Peak	16:00 336	16:00 280	16:00 50	13:00 4	16:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	15	0	0	1
01:00	4	4	0	0	0
02:00	9	8	1	0	0
03:00	35	27	4	3	1
04:00	78	63	13	1	1
05:00	267	222	38	5	2
06:00	409	324	67	14	4
07:00	800	679	99	12	10
08:00	702	577	89	26	10
09:00	534	411	90	23	10
10:00	531	417	72	30	12
11:00	562	441	79	34	8
12:00	521	384	104	20	13
13:00	491	382	62	39	8
14:00	584	472	78	30	4
15:00	611	468	96	40	7
16:00	739	588	109	33	9
17:00	742	628	99	15	0
18:00	500	419	64	14	3
19:00	273	221	43	5	4
20:00	222	179	38	5	0
21:00	110	97	12	1	0
22:00	71	58	13	0	0
23:00	21	17	3	0	1
Total					
12H(7-19)	7317	5866	1041	316	94
16H(6-22)	8331	6687	1201	341	102
18H(6-24)	8423	6762	1217	341	103
24H(0-24)	8832	7101	1273	350	108
AM Peak	07:00 800	07:00 679	07:00 99	11:00 34	10:00 12
PM Peak	17:00 742	17:00 628	16:00 109	15:00 40	12:00 13

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound					
08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	16	0	0	0
01:00	5	5	0	0	0
02:00	10	7	2	1	0
03:00	14	9	3	1	1
04:00	23	18	3	1	1
05:00	99	70	21	6	2
06:00	187	131	39	13	4
07:00	327	238	65	14	10
08:00	307	236	41	19	11
09:00	246	169	41	28	8
10:00	261	174	53	24	10
11:00	240	161	42	27	10
12:00	215	139	40	34	2
13:00	255	168	49	30	8
14:00	303	211	59	27	6
15:00	350	267	44	33	6
16:00	433	349	54	25	5
17:00	394	320	54	16	4
18:00	247	182	57	5	3
19:00	178	145	26	5	2
20:00	111	86	19	5	1
21:00	80	64	15	0	1
22:00	35	30	4	1	0
23:00	27	19	5	3	0
Total					
12H(7-19)	3578	2614	599	282	83
16H(6-22)	4134	3040	698	305	91
18H(6-24)	4196	3089	707	309	91
24H(0-24)	4363	3214	736	318	95
AM Peak	07:00 327	07:00 238	07:00 65	09:00 28	08:00 11
PM Peak	16:00 433	16:00 349	14:00 59	12:00 34	13:00 8

Paul Castle Associates

Direction: Westbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	5	1	0	0
01:00	5	5	0	0	0
02:00	6	5	0	1	0
03:00	22	20	1	1	0
04:00	60	57	3	0	0
05:00	132	113	17	1	1
06:00	256	214	39	1	2
07:00	502	428	72	1	1
08:00	379	342	36	0	1
09:00	308	281	26	1	0
10:00	301	267	29	1	4
11:00	257	213	36	7	1
12:00	240	188	45	6	1
13:00	230	182	44	2	2
14:00	279	201	68	4	6
15:00	279	212	52	7	8
16:00	318	261	50	1	6
17:00	300	238	60	2	0
18:00	166	119	46	0	1
19:00	97	80	17	0	0
20:00	87	68	17	1	1
21:00	54	45	9	0	0
22:00	31	29	2	0	0
23:00	18	15	2	0	1
Total					
12H(7-19)	3559	2932	564	32	31
16H(6-22)	4053	3339	646	34	34
18H(6-24)	4102	3383	650	34	35
24H(0-24)	4333	3588	672	37	36
AM Peak	07:00 502	07:00 428	07:00 72	11:00 7	10:00 4
PM Peak	16:00 318	16:00 261	14:00 68	15:00 7	15:00 8

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	22	21	1	0	0
01:00	10	10	0	0	0
02:00	16	12	2	2	0
03:00	36	29	4	2	1
04:00	83	75	6	1	1
05:00	231	183	38	7	3
06:00	443	345	78	14	6
07:00	829	666	137	15	11
08:00	686	578	77	19	12
09:00	554	450	67	29	8
10:00	562	441	82	25	14
11:00	497	374	78	34	11
12:00	455	327	85	40	3
13:00	485	350	93	32	10
14:00	582	412	127	31	12
15:00	629	479	96	40	14
16:00	751	610	104	26	11
17:00	694	558	114	18	4
18:00	413	301	103	5	4
19:00	275	225	43	5	2
20:00	198	154	36	6	2
21:00	134	109	24	0	1
22:00	66	59	6	1	0
23:00	45	34	7	3	1
Total					
12H(7-19)	7137	5546	1163	314	114
16H(6-22)	8187	6379	1344	339	125
18H(6-24)	8298	6472	1357	343	126
24H(0-24)	8696	6802	1408	355	131
AM Peak	07:00 829	07:00 666	07:00 137	11:00 34	10:00 14
PM Peak	16:00 751	16:00 610	14:00 127	12:00 40	15:00 14

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound					
09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	9	4	1	0
01:00	4	4	0	0	0
02:00	7	6	0	1	0
03:00	18	11	6	1	0
04:00	24	14	9	0	1
05:00	95	62	26	6	1
06:00	160	110	34	12	4
07:00	336	233	81	17	5
08:00	306	183	85	25	13
09:00	282	178	58	39	7
10:00	258	193	35	27	3
11:00	294	226	35	22	11
12:00	285	218	42	19	6
13:00	321	259	39	22	1
14:00	360	297	46	14	3
15:00	313	250	45	16	2
16:00	388	279	77	28	4
17:00	401	325	55	18	3
18:00	251	199	42	7	3
19:00	152	127	21	4	0
20:00	84	54	24	5	1
21:00	58	46	10	1	1
22:00	40	31	5	3	1
23:00	19	13	6	0	0
Total					
12H(7-19)	3795	2840	640	254	61
16H(6-22)	4249	3177	729	276	67
18H(6-24)	4308	3221	740	279	68
24H(0-24)	4470	3327	785	288	70
AM Peak	07:00 336	07:00 233	08:00 85	09:00 39	08:00 13
PM Peak	17:00 401	17:00 325	16:00 77	16:00 28	12:00 6

Paul Castle Associates

Direction: Westbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	7	2	0	0
01:00	7	4	3	0	0
02:00	6	6	0	0	0
03:00	14	14	0	0	0
04:00	89	81	7	1	0
05:00	179	161	17	0	1
06:00	228	199	25	2	2
07:00	442	392	45	4	1
08:00	350	295	47	3	5
09:00	273	235	33	5	0
10:00	323	307	12	4	0
11:00	261	226	30	5	0
12:00	257	226	24	4	3
13:00	263	230	30	2	1
14:00	259	222	33	3	1
15:00	304	253	42	2	7
16:00	314	297	14	2	1
17:00	299	282	16	0	1
18:00	196	177	17	2	0
19:00	88	80	8	0	0
20:00	75	67	7	0	1
21:00	61	55	6	0	0
22:00	32	30	2	0	0
23:00	20	14	5	0	1
Total					
12H(7-19)	3541	3142	343	36	20
16H(6-22)	3993	3543	389	38	23
18H(6-24)	4045	3587	396	38	24
24H(0-24)	4349	3860	425	39	25
AM Peak	07:00 442	07:00 392	08:00 47	09:00 5	08:00 5
PM Peak	16:00 314	16:00 297	15:00 42	12:00 4	15:00 7

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	23	16	6	1	0
01:00	11	8	3	0	0
02:00	13	12	0	1	0
03:00	32	25	6	1	0
04:00	113	95	16	1	1
05:00	274	223	43	6	2
06:00	388	309	59	14	6
07:00	778	625	126	21	6
08:00	656	478	132	28	18
09:00	555	413	91	44	7
10:00	581	500	47	31	3
11:00	555	452	65	27	11
12:00	542	444	66	23	9
13:00	584	489	69	24	2
14:00	619	519	79	17	4
15:00	617	503	87	18	9
16:00	702	576	91	30	5
17:00	700	607	71	18	4
18:00	447	376	59	9	3
19:00	240	207	29	4	0
20:00	159	121	31	5	2
21:00	119	101	16	1	1
22:00	72	61	7	3	1
23:00	39	27	11	0	1
Total					
12H(7-19)	7336	5982	983	290	81
16H(6-22)	8242	6720	1118	314	90
18H(6-24)	8353	6808	1136	317	92
24H(0-24)	8819	7187	1210	327	95
AM Peak	07:00 778	07:00 625	08:00 132	09:00 44	08:00 18
PM Peak	16:00 702	17:00 607	16:00 91	16:00 30	12:00 9

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	21	21	0	0	0
01:00	7	0	6	1	0
02:00	11	10	0	1	0
03:00	20	12	3	2	3
04:00	20	10	5	4	1
05:00	53	41	7	5	0
06:00	71	50	12	7	2
07:00	125	104	15	5	1
08:00	138	99	23	15	1
09:00	186	110	36	29	11
10:00	210	150	38	10	12
11:00	245	160	48	30	7
12:00	236	172	43	21	0
13:00	266	189	49	23	5
14:00	280	204	39	27	10
15:00	246	181	42	23	0
16:00	281	218	33	23	7
17:00	254	224	23	7	0
18:00	177	156	15	4	2
19:00	116	106	8	2	0
20:00	85	68	14	2	1
21:00	59	50	7	2	0
22:00	28	23	4	1	0
23:00	25	16	9	0	0
Total					
12H(7-19)	2644	1967	404	217	56
16H(6-22)	2975	2241	445	230	59
18H(6-24)	3028	2280	458	231	59
24H(0-24)	3160	2374	479	244	63
AM Peak	11:00 245	11:00 160	11:00 48	11:00 30	10:00 12
PM Peak	16:00 281	17:00 224	13:00 49	14:00 27	14:00 10

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	14	0	0	0
01:00	9	9	0	0	0
02:00	16	15	1	0	0
03:00	33	30	0	3	0
04:00	70	61	8	1	0
05:00	85	80	4	1	0
06:00	115	104	11	0	0
07:00	121	117	4	0	0
08:00	144	136	8	0	0
09:00	223	206	17	0	0
10:00	318	290	23	2	3
11:00	313	295	17	1	0
12:00	291	276	13	1	1
13:00	255	228	24	2	1
14:00	272	252	16	4	0
15:00	257	238	15	1	3
16:00	211	199	9	2	1
17:00	200	184	15	0	1
18:00	142	128	14	0	0
19:00	70	65	5	0	0
20:00	56	49	6	0	1
21:00	46	42	4	0	0
22:00	32	30	2	0	0
23:00	20	16	3	0	1
Total					
12H(7-19)	2747	2549	175	13	10
16H(6-22)	3034	2809	201	13	11
18H(6-24)	3086	2855	206	13	12
24H(0-24)	3313	3064	219	18	12
AM Peak	10:00 318	11:00 295	10:00 23	03:00 3	10:00 3
PM Peak	12:00 291	12:00 276	13:00 24	14:00 4	15:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	35	35	0	0	0
01:00	16	9	6	1	0
02:00	27	25	1	1	0
03:00	53	42	3	5	3
04:00	90	71	13	5	1
05:00	138	121	11	6	0
06:00	186	154	23	7	2
07:00	246	221	19	5	1
08:00	282	235	31	15	1
09:00	409	316	53	29	11
10:00	528	440	61	12	15
11:00	558	455	65	31	7
12:00	527	448	56	22	1
13:00	521	417	73	25	6
14:00	552	456	55	31	10
15:00	503	419	57	24	3
16:00	492	417	42	25	8
17:00	454	408	38	7	1
18:00	319	284	29	4	2
19:00	186	171	13	2	0
20:00	141	117	20	2	2
21:00	105	92	11	2	0
22:00	60	53	6	1	0
23:00	45	32	12	0	1
Total					
12H(7-19)	5391	4516	579	230	66
16H(6-22)	6009	5050	646	243	70
18H(6-24)	6114	5135	664	244	71
24H(0-24)	6473	5438	698	262	75
AM Peak	11:00 558	11:00 455	11:00 65	11:00 31	10:00 15
PM Peak	14:00 552	14:00 456	13:00 73	14:00 31	14:00 10

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	25	23	1	0	1
01:00	10	10	0	0	0
02:00	18	17	1	0	0
03:00	21	5	3	10	3
04:00	17	7	7	3	0
05:00	39	32	5	1	1
06:00	29	25	3	1	0
07:00	60	47	10	2	1
08:00	74	61	8	4	1
09:00	105	73	18	5	9
10:00	193	151	18	20	4
11:00	248	176	37	30	5
12:00	254	181	51	11	11
13:00	218	175	18	22	3
14:00	255	194	28	30	3
15:00	211	156	31	18	6
16:00	219	187	18	12	2
17:00	220	196	19	5	0
18:00	128	109	12	4	3
19:00	80	67	7	6	0
20:00	71	57	11	3	0
21:00	56	51	4	1	0
22:00	23	20	3	0	0
23:00	13	11	0	1	1
Total					
12H(7-19)	2185	1706	268	163	48
16H(6-22)	2421	1906	293	174	48
18H(6-24)	2457	1937	296	175	49
24H(0-24)	2587	2031	313	189	54
AM Peak	11:00 248	11:00 176	11:00 37	11:00 30	09:00 9
PM Peak	14:00 255	17:00 196	12:00 51	14:00 30	12:00 11

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	13	0	0	0
01:00	12	11	1	0	0
02:00	22	22	0	0	0
03:00	43	43	0	0	0
04:00	67	62	4	0	1
05:00	59	56	3	0	0
06:00	41	39	2	0	0
07:00	62	59	3	0	0
08:00	71	67	4	0	0
09:00	115	108	6	1	0
10:00	209	185	22	1	1
11:00	284	264	19	0	1
12:00	240	209	27	2	2
13:00	190	176	10	3	1
14:00	239	222	16	0	1
15:00	207	184	22	1	0
16:00	177	158	15	4	0
17:00	152	136	16	0	0
18:00	98	86	11	1	0
19:00	58	52	6	0	0
20:00	54	46	6	2	0
21:00	36	33	3	0	0
22:00	16	14	2	0	0
23:00	14	13	1	0	0
Total					
12H(7-19)	2044	1854	171	13	6
16H(6-22)	2233	2024	188	15	6
18H(6-24)	2263	2051	191	15	6
24H(0-24)	2479	2258	199	15	7
AM Peak	11:00 284	11:00 264	10:00 22	09:00 1	04:00 1
PM Peak	12:00 240	14:00 222	12:00 27	16:00 4	12:00 2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	38	36	1	0	1
01:00	22	21	1	0	0
02:00	40	39	1	0	0
03:00	64	48	3	10	3
04:00	84	69	11	3	1
05:00	98	88	8	1	1
06:00	70	64	5	1	0
07:00	122	106	13	2	1
08:00	145	128	12	4	1
09:00	220	181	24	6	9
10:00	402	336	40	21	5
11:00	532	440	56	30	6
12:00	494	390	78	13	13
13:00	408	351	28	25	4
14:00	494	416	44	30	4
15:00	418	340	53	19	6
16:00	396	345	33	16	2
17:00	372	332	35	5	0
18:00	226	195	23	5	3
19:00	138	119	13	6	0
20:00	125	103	17	5	0
21:00	92	84	7	1	0
22:00	39	34	5	0	0
23:00	27	24	1	1	1
Total					
12H(7-19)	4229	3560	439	176	54
16H(6-22)	4654	3930	481	189	54
18H(6-24)	4720	3988	487	190	55
24H(0-24)	5066	4289	512	204	61
AM Peak	11:00 532	11:00 440	11:00 56	11:00 30	09:00 9
PM Peak	12:00 494	14:00 416	12:00 78	14:00 30	12:00 13

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	13	0	0	1
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	13	7	3	2	1
04:00	17	9	7	1	0
05:00	112	88	18	4	2
06:00	137	98	28	9	2
07:00	381	310	57	9	5
08:00	301	211	55	25	10
09:00	244	164	52	22	6
10:00	230	162	32	28	8
11:00	253	172	42	33	6
12:00	260	168	52	31	9
13:00	240	157	47	30	6
14:00	280	196	47	32	5
15:00	288	198	52	35	3
16:00	373	278	59	33	3
17:00	431	359	54	17	1
18:00	270	225	30	13	2
19:00	146	115	24	6	1
20:00	82	66	12	4	0
21:00	62	49	12	0	1
22:00	19	16	2	1	0
23:00	18	13	2	2	1
Total					
12H(7-19)	3551	2600	579	308	64
16H(6-22)	3978	2928	655	327	68
18H(6-24)	4015	2957	659	330	69
24H(0-24)	4174	3077	687	337	73
AM Peak	07:00	07:00	07:00	11:00	08:00
	381	310	57	33	10
PM Peak	17:00	17:00	16:00	15:00	12:00
	431	359	59	35	9

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	5	5	0	0	0
03:00	20	19	1	0	0
04:00	64	56	7	0	1
05:00	149	142	6	1	0
06:00	243	206	30	6	1
07:00	437	411	26	0	0
08:00	374	341	30	1	2
09:00	287	253	30	3	1
10:00	296	266	27	1	2
11:00	302	273	28	0	1
12:00	240	217	19	4	0
13:00	236	206	24	3	3
14:00	265	233	29	3	0
15:00	308	265	37	5	1
16:00	321	290	29	1	1
17:00	327	305	19	1	2
18:00	178	171	7	0	0
19:00	109	99	10	0	0
20:00	67	64	2	1	0
21:00	53	51	2	0	0
22:00	24	22	2	0	0
23:00	18	18	0	0	0
Total					
12H(7-19)	3571	3231	305	22	13
16H(6-22)	4043	3651	349	29	14
18H(6-24)	4085	3691	351	29	14
24H(0-24)	4327	3917	365	30	15
AM Peak	07:00	07:00	06:00	06:00	08:00
	437	411	30	6	2
PM Peak	17:00	17:00	15:00	15:00	13:00
	327	305	37	5	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	15	0	0	1
01:00	3	3	0	0	0
02:00	7	7	0	0	0
03:00	33	26	4	2	1
04:00	81	65	14	1	1
05:00	261	230	24	5	2
06:00	380	304	58	15	3
07:00	818	721	83	9	5
08:00	675	552	85	26	12
09:00	531	417	82	25	7
10:00	526	428	59	29	10
11:00	555	445	70	33	7
12:00	500	385	71	35	9
13:00	476	363	71	33	9
14:00	545	429	76	35	5
15:00	596	463	89	40	4
16:00	694	568	88	34	4
17:00	758	664	73	18	3
18:00	448	396	37	13	2
19:00	255	214	34	6	1
20:00	149	130	14	5	0
21:00	115	100	14	0	1
22:00	43	38	4	1	0
23:00	36	31	2	2	1
Total					
12H(7-19)	7122	5831	884	330	77
16H(6-22)	8021	6579	1004	356	82
18H(6-24)	8100	6648	1010	359	83
24H(0-24)	8501	6994	1052	367	88
AM Peak	07:00	07:00	08:00	11:00	08:00
	818	721	85	33	12
PM Peak	17:00	17:00	15:00	15:00	12:00
	758	664	89	40	9

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	60.3	52.9	7.1	0	0	0	0	0	1	1	3	1	1	0	0
01:00	1	-	32.5	-	0	0	0	1	0	0	0	0	0	0	0	0
02:00	9	59.5	47.8	11.3	0	0	1	1	0	0	1	4	2	0	0	0
03:00	10	62.5	53.5	8.7	0	0	0	0	1	1	0	4	2	2	0	0
04:00	21	68.6	57.9	10.3	0	0	0	0	2	1	2	2	3	10	1	0
05:00	109	66.5	57.8	8.4	0	0	0	0	1	7	13	17	29	36	6	0
06:00	174	64.4	56.4	7.8	0	0	0	2	1	5	22	53	43	41	7	0
07:00	349	61.8	54.1	7.4	0	0	0	0	1	42	58	95	90	59	3	1
08:00	313	60.9	52.8	7.9	0	0	2	1	5	37	68	89	68	36	7	0
09:00	239	60.0	50.8	8.8	0	2	0	0	18	39	53	61	35	27	4	0
10:00	252	57.2	49.8	7.2	0	0	0	3	20	37	71	68	37	15	1	0
11:00	226	62.2	50.8	10.9	0	7	7	4	4	23	38	64	49	28	2	0
12:00	262	60.8	51.9	8.6	0	1	1	0	8	43	62	67	37	39	3	1
13:00	282	60.0	51.9	7.9	0	1	0	0	7	40	71	83	46	29	4	1
14:00	292	59.3	48.7	10.3	0	1	20	5	19	40	75	52	50	29	1	0
15:00	334	61.1	53.4	7.4	0	0	1	2	0	36	66	106	70	48	5	0
16:00	411	59.5	52.9	6.4	0	0	0	0	2	41	86	145	90	46	1	0
17:00	406	63.0	53.8	8.8	0	1	8	0	4	38	64	114	101	66	9	1
18:00	243	62.7	54.9	7.6	0	0	0	0	1	17	45	77	51	44	8	0
19:00	143	64.3	56.5	7.6	0	0	0	0	1	9	13	40	43	31	6	0
20:00	88	65.1	55.3	9.5	0	0	0	0	4	7	15	22	15	20	4	1
21:00	56	63.8	54.6	8.9	0	0	0	0	1	6	9	18	10	8	4	0
22:00	39	63.5	53.8	9.4	0	0	1	1	1	2	7	7	11	9	0	0
23:00	16	69.2	60.0	8.9	0	0	0	0	0	1	2	2	1	9	1	0
Total																
2H(10-12)	478	59.8	50.3	9.2	0	7	7	7	24	60	109	132	86	43	3	0
2H(14-16)	626	60.7	51.2	9.2	0	1	21	7	19	76	141	158	120	77	6	0
12H(7-19)	3609	61.0	52.3	8.4	0	13	39	15	89	433	757	1021	724	466	48	4
24H(0-24)	4282	61.8	52.9	8.5	0	13	41	20	101	473	842	1193	884	633	77	5
AM Peak	07:00	04:00	04:00	02:00	00:00	11:00	11:00	11:00	10:00	07:00	10:00	07:00	07:00	07:00	06:00	07:00
	349	68.6	57.9	11.3	0	7	7	4	20	42	71	95	90	59	7	1
PM Peak	16:00	23:00	23:00	14:00	12:00	12:00	14:00	14:00	14:00	12:00	16:00	16:00	17:00	17:00	17:00	12:00
	411	69.2	60.0	10.3	0	1	20	5	19	43	86	145	101	66	9	1

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<70	Bin 11 70<80	Bin 12 ≥80
00:00	7	69.4	62.5	6.6	0	0	0	0	0	0	1	0	0	6	0	0
01:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
02:00	10	52.5	52.5	0.0	0	0	0	0	0	0	0	10	0	0	0	0
03:00	18	55.6	52.8	2.7	0	0	0	0	0	0	2	13	3	0	0	0
04:00	64	61.3	56.0	5.2	0	0	0	0	0	0	4	27	24	8	1	0
05:00	152	60.1	54.6	5.3	0	0	0	0	0	1	25	63	46	16	1	0
06:00	273	58.6	52.0	6.4	0	1	0	3	13	10	48	117	70	11	0	0
07:00	442	56.0	50.9	4.8	0	0	0	0	3	41	130	204	53	10	1	0
08:00	410	56.6	47.8	8.5	0	8	11	16	12	54	112	151	41	5	0	0
09:00	313	55.4	50.9	4.4	0	0	0	0	1	26	94	155	31	6	0	0
10:00	271	56.5	49.3	7.0	0	1	1	7	4	56	65	91	41	4	0	1
11:00	296	56.3	51.1	5.0	0	0	0	0	2	21	103	115	45	10	0	0
12:00	271	55.2	49.8	5.2	0	0	0	1	3	47	79	116	17	8	0	0
13:00	280	58.7	51.2	7.2	0	0	2	0	18	28	63	92	58	17	2	0
14:00	269	60.3	52.2	7.8	0	0	0	2	5	41	50	84	65	17	1	4
15:00	343	57.2	51.3	5.6	0	0	0	0	3	42	90	131	60	17	0	0
16:00	316	59.8	53.2	6.4	0	0	0	0	12	20	36	138	83	24	3	0
17:00	311	63.1	54.8	8.0	0	2	1	6	2	12	40	94	87	66	1	0
18:00	191	63.1	55.4	7.4	0	0	1	0	0	11	19	79	36	40	5	0
19:00	95	62.0	55.1	6.7	0	0	0	0	1	4	10	40	23	15	2	0
20:00	70	65.5	56.0	9.2	0	1	0	0	1	2	11	15	21	16	3	0
21:00	60	62.3	55.5	6.6	0	0	0	0	0	1	15	12	18	14	0	0
22:00	31	59.2	54.5	4.5	0	0	0	0	0	0	3	17	8	3	0	0
23:00	19	64.2	56.3	7.7	0	0	0	0	0	1	1	9	3	4	1	0
Total																
2H(10-12)	567	56.5	50.3	6.1	0	1	1	7	6	77	168	206	86	14	0	1
2H(14-16)	612	58.6	51.7	6.7	0	0	0	2	8	83	140	215	125	34	1	4
12H(7-19)	3713	58.4	51.3	6.8	0	11	16	32	65	399	881	1450	617	224	13	5
24H(0-24)	4513	58.9	51.8	6.9	0	13	16	35	80	418	1001	1774	833	317	21	5
AM Peak	07:00	00:00	00:00	08:00	00:00	08:00	08:00	08:00	06:00	10:00	07:00	07:00	06:00	05:00	04:00	10:00
	442	69.4	62.5	8.5	0	8	11	16	13	56	130	204	70	16	1	1
PM Peak	15:00	20:00	23:00	20:00	12:00	17:00	13:00	17:00	13:00	12:00	15:00	16:00	17:00	17:00	18:00	14:00
	343	65.5	56.3	9.2	0	2	2	6	18	47	90	138	87	66	5	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	14	66.3	57.7	8.3	0	0	0	0	0	1	2	3	1	7	0	0
01:00	2	57.2	42.5	14.1	0	0	0	1	0	0	0	1	0	0	0	0
02:00	19	58.5	50.3	7.9	0	0	1	1	0	0	1	14	2	0	0	0
03:00	28	58.7	53.0	5.5	0	0	0	0	1	1	2	17	5	2	0	0
04:00	85	63.5	56.4	6.8	0	0	0	0	2	1	6	29	27	18	2	0
05:00	261	63.1	55.9	6.9	0	0	0	0	1	8	38	80	75	52	7	0
06:00	447	61.2	53.7	7.3	0	1	0	5	14	15	70	170	113	52	7	0
07:00	791	58.9	52.3	6.3	0	0	0	0	4	83	188	299	143	69	4	1
08:00	723	58.8	49.9	8.6	0	8	13	17	17	91	180	240	109	41	7	0
09:00	552	57.8	50.8	6.7	0	2	0	0	19	65	147	216	66	33	4	0
10:00	523	56.9	49.5	7.1	0	1	1	10	24	93	136	159	78	19	1	1
11:00	522	59.4	51.0	8.1	0	7	7	4	6	44	141	179	94	38	2	0
12:00	533	58.2	50.8	7.2	0	1	1	1	11	90	141	183	54	47	3	1
13:00	562	59.3	51.5	7.6	0	1	2	0	25	68	134	175	104	46	6	1
14:00	561	60.0	50.4	9.3	0	1	20	7	24	81	125	136	115	46	2	4
15:00	677	59.2	52.4	6.6	0	0	1	2	3	78	156	237	130	65	5	0
16:00	727	59.6	53.1	6.4	0	0	0	0	14	61	122	283	173	70	4	0
17:00	717	63.1	54.3	8.5	0	3	9	6	6	50	104	208	188	132	10	1
18:00	434	62.9	55.1	7.5	0	0	1	0	1	28	64	156	87	84	13	0
19:00	238	63.4	55.9	7.2	0	0	0	0	2	13	23	80	66	46	8	0
20:00	158	65.3	55.6	9.3	0	1	0	0	5	9	26	37	36	36	7	1
21:00	116	63.1	55.1	7.8	0	0	0	0	1	7	24	30	28	22	4	0
22:00	70	62.0	54.1	7.6	0	0	1	1	1	2	10	24	19	12	0	0
23:00	35	66.6	58.0	8.3	0	0	0	0	0	2	3	11	4	13	2	0
Total																
2H(10-12)	1045	58.2	50.3	7.6	0	8	8	14	30	137	277	338	172	57	3	1
2H(14-16)	1238	59.8	51.5	8.0	0	1	21	9	27	159	281	373	245	111	7	4
12H(7-19)	7322	59.7	51.8	7.7	0	24	55	47	154	832	1638	2471	1341	690	61	9
24H(0-24)	8795	60.4	52.3	7.8	0	26	57	55	181	891	1843	2967	1717	950	98	10
AM Peak	07:00	00:00	00:00	01:00	00:00	08:00	08:00	08:00	10:00	10:00	07:00	07:00	07:00	07:00	05:00	07:00
	791	66.3	57.7	14.1	0	8	13	17	24	93	188	299	143	69	7	1
PM Peak	16:00	23:00	23:00	20:00	12:00	17:00	14:00	14:00	13:00	12:00	15:00	16:00	17:00	17:00	18:00	14:00
	727	66.6	58.0	9.3	0	3	20	7	25	90	156	283	188	132	13	4

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	14	59.8	53.2	6.4	0	0	0	0	0	1	3	6	2	2	0	0
01:00	2	52.5	52.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
02:00	5	60.8	54.0	6.5	0	0	0	0	0	0	1	3	0	1	0	0
03:00	13	63.6	55.4	8.0	0	0	0	0	1	0	2	2	5	3	0	0
04:00	15	70.9	59.2	11.3	0	0	0	1	0	0	0	5	3	3	3	0
05:00	110	68.7	59.9	8.5	0	0	0	0	0	2	9	25	25	36	12	1
06:00	148	65.9	55.9	9.6	0	1	0	5	0	8	24	24	41	38	7	0
07:00	373	60.2	52.2	7.7	0	2	0	7	9	34	76	121	77	47	0	0
08:00	311	59.2	50.8	8.2	0	0	0	5	14	56	72	85	50	23	4	2
09:00	253	60.4	50.6	9.4	0	0	4	5	8	51	68	48	36	24	8	1
10:00	243	57.1	47.8	9.0	0	1	9	8	10	62	57	50	30	15	1	0
11:00	254	57.0	48.2	8.5	0	1	1	5	20	69	65	51	27	9	5	1
12:00	241	61.8	52.6	9.0	0	0	3	3	9	35	37	64	44	43	3	0
13:00	241	57.2	49.2	7.8	0	2	1	0	13	58	62	50	40	15	0	0
14:00	275	58.1	49.9	7.9	0	2	0	2	13	50	77	74	35	19	3	0
15:00	307	60.8	50.7	9.7	0	1	6	1	11	72	64	66	44	33	6	3
16:00	403	61.9	52.1	9.5	0	1	6	7	18	55	61	109	84	52	8	2
17:00	458	60.7	52.9	7.5	0	1	0	0	6	52	106	127	103	56	7	0
18:00	249	64.4	55.2	8.9	0	0	1	2	4	14	50	62	56	47	11	2
19:00	160	65.0	55.8	8.8	0	0	0	0	5	11	19	44	41	31	7	2
20:00	137	64.9	55.5	9.0	0	0	0	0	3	13	24	30	29	29	9	0
21:00	72	62.4	54.0	8.0	0	0	0	1	2	7	11	18	17	16	0	0
22:00	35	70.3	59.3	10.7	0	0	0	0	1	4	2	3	8	13	3	1
23:00	8	63.0	54.4	8.3	0	0	0	0	0	1	2	1	2	2	0	0
Total																
2H(10-12)	497	57.1	48.0	8.7	0	2	10	13	30	131	122	101	57	24	6	1
2H(14-16)	582	59.5	50.3	8.9	0	3	6	3	24	122	141	140	79	52	9	3
12H(7-19)	3608	60.3	51.2	8.8	0	11	31	45	135	608	795	907	626	383	56	11
24H(0-24)	4327	61.4	52.1	9.0	0	12	31	52	147	655	892	1070	799	557	97	15
AM Peak	07:00	04:00	05:00	04:00	00:00	07:00	10:00	10:00	11:00	11:00	07:00	07:00	07:00	07:00	05:00	08:00
	373	70.9	59.9	11.3	0	2	9	8	20	69	76	121	77	47	12	2
PM Peak	17:00	22:00	22:00	22:00	12:00	13:00	15:00	16:00	16:00	15:00	17:00	17:00	17:00	17:00	18:00	15:00
	458	70.3	59.3	10.7	0	2	6	7	18	72	106	127	103	56	11	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	2	47.5	47.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
01:00	2	53.7	50.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
02:00	4	56.3	53.8	2.5	0	0	0	0	0	0	0	3	1	0	0	0
03:00	22	59.7	57.2	2.5	0	0	0	0	0	0	0	3	18	1	0	0
04:00	63	68.7	61.3	7.1	0	0	0	0	0	0	3	7	20	28	4	1
05:00	157	62.2	55.7	6.2	0	0	0	0	0	3	22	52	50	29	0	1
06:00	261	61.7	53.1	8.3	0	1	0	10	4	21	34	87	64	39	0	1
07:00	427	60.8	54.1	6.5	0	0	0	0	5	21	83	153	94	70	1	0
08:00	391	59.5	51.5	7.7	0	3	4	1	9	28	122	113	72	38	1	0
09:00	281	60.5	53.0	7.3	0	1	0	3	6	20	63	71	83	34	0	0
10:00	288	59.8	52.4	7.2	0	0	0	3	4	38	51	108	47	35	2	0
11:00	308	56.9	48.1	8.5	0	1	11	11	24	39	85	75	56	5	1	0
12:00	280	61.0	53.0	7.8	0	0	0	3	10	20	72	70	59	43	3	0
13:00	250	59.1	51.7	7.2	0	0	0	4	3	34	61	78	42	27	1	0
14:00	309	59.1	49.2	9.6	0	1	13	11	14	60	43	93	42	32	0	0
15:00	304	60.4	51.6	8.4	0	1	0	11	10	31	77	76	53	44	1	0
16:00	336	60.8	53.1	7.5	0	0	0	3	12	35	55	99	80	52	0	0
17:00	284	61.3	54.9	6.2	0	0	0	0	1	7	51	96	81	46	2	0
18:00	251	61.6	54.4	7.0	0	0	0	0	2	8	47	110	40	39	3	2
19:00	113	65.7	57.8	7.6	0	0	0	0	0	3	13	27	33	30	7	0
20:00	85	67.8	60.4	7.1	0	0	0	0	0	1	2	19	22	34	7	0
21:00	38	60.9	52.6	8.0	0	0	0	0	2	4	10	8	7	7	0	0
22:00	36	63.3	54.8	8.2	0	0	0	1	0	0	8	13	7	5	2	0
23:00	13	59.5	50.2	9.0	0	0	0	0	2	2	2	4	1	2	0	0
Total																
2H(10-12)	596	58.6	50.1	8.2	0	1	11	14	28	77	136	183	103	40	3	0
2H(14-16)	613	59.8	50.4	9.1	0	2	13	22	24	91	120	169	95	76	1	0
12H(7-19)	3709	60.4	52.2	7.9	0	7	28	50	100	341	810	1142	749	465	15	2
24H(0-24)	4505	61.1	52.9	8.0	0	8	28	61	108	375	907	1366	972	640	35	5
AM Peak	07:00	04:00	04:00	11:00	00:00	08:00	11:00	11:00	11:00	11:00	08:00	07:00	07:00	07:00	04:00	04:00
	427	68.7	61.3	8.5	0	3	11	11	24	39	122	153	94	70	4	1
PM Peak	16:00	20:00	20:00	14:00	12:00	14:00	14:00	14:00	14:00	14:00	15:00	18:00	17:00	16:00	19:00	18:00
	336	67.8	60.4	9.6	0	1	13	11	14	60	77	110	81	52	7	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<70	Bin 11 70<80	Bin 12 >=80
00:00	16	59.0	52.5	6.3	0	0	0	0	0	1	5	6	2	2	0	0
01:00	4	53.8	51.3	2.5	0	0	0	0	0	0	1	3	0	0	0	0
02:00	9	58.9	53.9	4.9	0	0	0	0	0	0	1	6	1	1	0	0
03:00	35	61.9	56.5	5.2	0	0	0	0	1	0	2	5	23	4	0	0
04:00	78	69.2	60.9	8.0	0	0	0	1	0	0	3	12	23	31	7	1
05:00	267	65.2	57.4	7.5	0	0	0	0	0	5	31	77	75	65	12	2
06:00	409	63.3	54.1	8.9	0	2	0	15	4	29	58	111	105	77	7	1
07:00	800	60.6	53.2	7.2	0	2	0	7	14	55	159	274	171	117	1	0
08:00	702	59.4	51.2	7.9	0	3	4	6	23	84	194	198	122	61	5	2
09:00	534	60.6	51.8	8.5	0	1	4	8	14	71	131	119	119	58	8	1
10:00	531	59.0	50.3	8.4	0	1	9	11	14	100	108	158	77	50	3	0
11:00	562	56.9	48.1	8.5	0	2	12	16	44	108	150	126	83	14	6	1
12:00	521	61.4	52.8	8.3	0	0	3	6	19	55	109	134	103	86	6	0
13:00	491	58.3	50.5	7.6	0	2	1	4	16	92	123	128	82	42	1	0
14:00	584	58.7	49.5	8.8	0	3	13	13	27	110	120	167	77	51	3	0
15:00	611	60.6	51.1	9.1	0	2	6	12	21	103	141	142	97	77	7	3
16:00	739	61.5	52.5	8.6	0	1	6	10	30	90	116	208	164	104	8	2
17:00	742	61.0	53.7	7.1	0	1	0	0	7	59	157	223	184	102	9	0
18:00	500	63.1	54.8	8.0	0	0	1	2	6	22	97	172	96	86	14	4
19:00	273	65.4	56.7	8.4	0	0	0	0	5	14	32	71	74	61	14	2
20:00	222	66.4	57.4	8.7	0	0	0	0	3	14	26	49	51	63	16	0
21:00	110	61.8	53.5	8.0	0	0	0	1	4	11	21	26	24	23	0	0
22:00	71	67.1	57.0	9.7	0	0	0	1	1	4	10	16	15	18	5	1
23:00	21	60.9	51.8	8.8	0	0	0	0	2	3	4	5	3	4	0	0
Total																
2H(10-12)	1093	58.0	49.2	8.5	0	3	21	27	58	208	258	284	160	64	9	1
2H(14-16)	1195	59.7	50.3	9.0	0	5	19	25	48	213	261	309	174	128	10	3
12H(7-19)	7317	60.4	51.7	8.3	0	18	59	95	235	949	1605	2049	1375	848	71	13
24H(0-24)	8832	61.3	52.5	8.5	0	20	59	113	255	1030	1799	2436	1771	1197	132	20
AM Peak	07:00	04:00	04:00	06:00	00:00	08:00	11:00	11:00	11:00	11:00	08:00	07:00	07:00	07:00	05:00	05:00
	800	69.2	60.9	8.9	0	3	12	16	44	108	194	274	171	117	12	2
PM Peak	17:00	22:00	20:00	22:00	12:00	14:00	14:00	14:00	16:00	14:00	17:00	17:00	17:00	16:00	20:00	18:00
	742	67.1	57.4	9.7	0	3	13	13	30	110	157	223	184	104	16	4

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	16	63.1	53.6	9.1	0	0	0	1	1	0	2	4	5	3	0	0
01:00	5	61.3	53.0	8.0	0	0	0	0	0	0	3	0	1	1	0	0
02:00	10	66.2	56.3	9.6	0	0	0	0	0	1	1	4	1	2	1	0
03:00	14	67.9	58.9	8.6	0	0	0	0	1	0	1	2	2	8	0	0
04:00	23	68.4	61.5	6.6	0	0	0	0	0	0	2	2	4	14	1	0
05:00	99	68.2	58.4	9.4	0	0	0	0	3	4	8	20	28	26	8	2
06:00	187	65.2	55.8	9.1	0	0	0	0	1	27	22	40	42	46	7	2
07:00	327	63.3	54.5	8.5	0	0	0	0	14	32	43	85	83	61	7	2
08:00	307	61.8	52.9	8.6	0	0	0	2	8	45	70	78	42	54	7	1
09:00	246	58.9	50.4	8.2	0	1	0	0	12	57	60	47	41	26	2	0
10:00	261	56.1	47.9	7.9	0	0	7	2	16	70	68	61	23	12	2	0
11:00	240	56.6	48.2	8.1	0	1	2	4	15	64	66	50	22	13	3	0
12:00	215	59.5	51.0	8.2	0	0	1	0	11	45	44	52	35	24	3	0
13:00	255	61.1	50.9	9.9	0	1	0	1	24	49	54	54	37	24	8	3
14:00	303	63.1	52.6	10.1	0	1	4	4	15	44	51	66	57	53	4	4
15:00	350	59.9	51.0	8.6	0	0	0	1	20	81	74	75	46	46	7	0
16:00	433	59.9	51.4	8.3	0	1	1	6	21	66	89	118	71	58	2	0
17:00	394	63.8	54.1	9.3	0	3	0	7	13	33	56	100	90	83	8	1
18:00	247	68.3	59.1	8.9	0	0	0	0	0	11	28	48	51	85	21	3
19:00	178	64.9	56.8	7.9	0	0	0	0	1	17	16	35	50	55	4	0
20:00	111	65.9	56.8	8.8	0	0	0	0	3	4	16	26	29	27	4	2
21:00	80	66.4	57.0	9.1	0	0	1	0	2	2	7	20	26	15	7	0
22:00	35	62.9	54.0	8.6	0	0	0	0	2	4	6	6	8	9	0	0
23:00	27	67.6	56.7	10.6	0	0	1	0	0	2	4	4	4	11	1	0
Total																
2H(10-12)	501	56.3	48.0	8.0	0	1	9	6	31	134	134	111	45	25	5	0
2H(14-16)	653	61.4	51.7	9.4	0	1	4	5	35	125	125	141	103	99	11	4
12H(7-19)	3578	61.6	52.1	9.2	0	8	15	27	169	597	703	834	598	539	74	14
24H(0-24)	4363	62.5	52.9	9.3	0	8	17	28	183	658	791	997	798	756	107	20
AM Peak	07:00	04:00	04:00	02:00	00:00	09:00	10:00	11:00	10:00	10:00	08:00	07:00	07:00	07:00	05:00	05:00
	327	68.4	61.5	9.6	0	1	7	4	16	70	70	85	83	61	8	2
PM Peak	16:00	18:00	18:00	23:00	12:00	17:00	14:00	17:00	13:00	15:00	16:00	16:00	17:00	18:00	18:00	14:00
	433	68.3	59.1	10.6	0	3	4	7	24	81	89	118	90	85	21	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<70	Bin 11 70<80	Bin 12 >=80
00:00	6	62.9	57.1	5.6	0	0	0	0	0	0	1	0	4	1	0	0
01:00	5	55.9	44.5	11.0	0	0	0	2	0	0	0	3	0	0	0	0
02:00	6	57.1	50.8	6.1	0	0	0	0	0	1	2	1	2	0	0	0
03:00	22	64.5	56.6	7.6	0	0	0	0	0	1	0	8	11	1	0	1
04:00	60	66.7	60.9	5.5	0	0	0	0	0	0	0	4	30	24	1	1
05:00	132	67.8	60.2	7.4	0	0	0	0	0	3	9	26	20	69	4	1
06:00	256	63.6	55.8	7.5	0	0	0	0	6	11	34	79	55	67	4	0
07:00	502	63.1	55.9	6.9	0	0	0	0	5	26	58	146	139	125	3	0
08:00	379	61.8	54.4	7.1	0	0	1	0	2	10	97	108	99	53	8	1
09:00	308	59.2	51.5	7.4	0	0	1	1	7	43	82	95	48	28	1	2
10:00	301	61.2	50.6	10.2	0	2	14	9	3	43	51	91	43	44	0	1
11:00	257	59.4	51.1	8.0	0	2	3	2	5	32	66	69	59	17	2	0
12:00	240	59.3	51.3	7.7	0	0	0	1	8	36	61	81	31	15	6	1
13:00	230	61.0	52.5	8.3	0	0	0	2	12	26	52	63	29	45	1	0
14:00	279	61.9	53.3	8.3	0	1	0	3	11	26	42	90	55	47	4	0
15:00	279	62.5	53.3	8.9	0	1	0	4	6	38	53	59	64	46	8	0
16:00	318	60.6	50.9	9.3	0	0	14	10	4	31	64	105	52	35	3	0
17:00	300	63.1	55.5	7.3	0	0	0	0	3	22	47	61	96	68	3	0
18:00	166	71.1	61.3	9.5	0	2	0	1	0	2	9	18	35	82	14	3
19:00	97	66.7	58.5	7.9	0	0	0	0	0	5	5	22	30	29	5	1
20:00	87	66.0	57.3	8.4	0	0	0	0	3	2	8	21	25	24	3	1
21:00	54	67.3	60.6	6.5	0	0	0	0	0	0	3	7	17	24	3	0
22:00	31	62.3	55.2	6.8	0	0	0	0	1	1	4	8	11	6	0	0
23:00	18	67.7	57.4	9.9	0	0	0	0	2	0	0	4	7	3	2	0
Total																
2H(10-12)	558	60.4	50.8	9.3	0	4	17	11	8	75	117	160	102	61	2	1
2H(14-16)	558	62.2	53.3	8.6	0	2	0	7	17	64	95	149	119	93	12	0
12H(7-19)	3559	62.3	53.4	8.6	0	8	33	33	66	335	682	986	750	605	53	8
24H(0-24)	4333	63.1	54.2	8.6	0	8	33	35	78	359	748	1169	962	853	75	13
AM Peak	07:00	05:00	04:00	01:00	00:00	10:00	10:00	10:00	09:00	09:00	08:00	07:00	07:00	07:00	08:00	09:00
	502	67.8	60.9	11.0	0	2	14	9	7	43	97	146	139	125	8	2
PM Peak	16:00	18:00	18:00	23:00	12:00	18:00	16:00	16:00	13:00	15:00	16:00	16:00	17:00	18:00	18:00	18:00
	318	71.1	61.3	9.9	0	2	14	10	12	38	64	105	96	82	14	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	22	63.2	54.5	8.3	0	0	0	1	1	0	3	4	9	4	0	0
01:00	10	59.2	48.8	10.1	0	0	0	2	0	0	3	3	1	1	0	0
02:00	16	63.2	54.2	8.6	0	0	0	0	0	2	3	5	3	2	1	0
03:00	36	65.8	57.5	8.0	0	0	0	0	1	1	1	10	13	9	0	1
04:00	83	67.1	61.1	5.8	0	0	0	0	0	0	2	6	34	38	2	1
05:00	231	68.1	59.4	8.4	0	0	0	0	3	7	17	46	48	95	12	3
06:00	443	64.3	55.8	8.2	0	0	0	0	7	38	56	119	97	113	11	2
07:00	829	63.2	55.3	7.6	0	0	0	0	19	58	101	231	222	186	10	2
08:00	686	61.9	53.7	7.9	0	0	1	2	10	55	167	186	141	107	15	2
09:00	554	59.1	51.0	7.8	0	1	1	1	19	100	142	142	89	54	3	2
10:00	562	59.0	49.3	9.3	0	2	21	11	19	113	119	152	66	56	2	1
11:00	497	58.2	49.7	8.2	0	3	5	6	20	96	132	119	81	30	5	0
12:00	455	59.4	51.1	7.9	0	0	1	1	19	81	105	133	66	39	9	1
13:00	485	61.1	51.6	9.2	0	1	0	3	36	75	106	117	66	69	9	3
14:00	582	62.6	52.9	9.3	0	2	4	7	26	70	93	156	112	100	8	4
15:00	629	61.1	52.0	8.8	0	1	0	5	26	119	127	134	110	92	15	0
16:00	751	60.2	51.2	8.7	0	1	15	16	25	97	153	223	123	93	5	0
17:00	694	63.5	54.7	8.5	0	3	0	7	16	55	103	161	186	151	11	1
18:00	413	69.5	60.0	9.2	0	2	0	1	0	13	37	66	86	167	35	6
19:00	275	65.6	57.4	7.9	0	0	0	0	1	22	21	57	80	84	9	1
20:00	198	65.9	57.0	8.6	0	0	0	0	6	6	24	47	54	51	7	3
21:00	134	67.0	58.5	8.3	0	0	1	0	2	2	10	27	43	39	10	0
22:00	66	62.7	54.6	7.8	0	0	0	0	3	5	10	14	19	15	0	0
23:00	45	67.5	56.9	10.2	0	0	1	0	2	2	4	8	11	14	3	0
Total																
2H(10-12)	1059	58.6	49.5	8.8	0	5	26	17	39	209	251	271	147	86	7	1
2H(14-16)	1211	61.8	52.4	9.1	0	3	4	12	52	189	220	290	222	192	23	4
12H(7-19)	7137	61.9	52.7	8.9	0	16	48	60	235	932	1385	1820	1348	1144	127	22
24H(0-24)	8696	62.8	53.5	9.0	0	16	50	63	261	1017	1539	2166	1760	1609	182	33
AM Peak	07:00	05:00	04:00	01:00	00:00	11:00	10:00	10:00	11:00	10:00	08:00	07:00	07:00	07:00	08:00	05:00
	829	68.1	61.1	10.1	0	3	21	11	20	113	167	231	222	186	15	3
PM Peak	16:00	18:00	18:00	23:00	12:00	17:00	16:00	16:00	13:00	15:00	16:00	16:00	17:00	18:00	18:00	18:00
	751	69.5	60.0	10.2	0	3	15	16	36	119	153	223	186	167	35	6

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	14	69.5	58.8	10.4	0	0	0	1	0	0	1	2	3	6	1	0
01:00	4	63.4	55.6	7.5	0	0	0	0	0	0	1	1	1	1	0	0
02:00	7	55.4	51.8	3.5	0	0	0	0	0	0	2	4	1	0	0	0
03:00	18	67.4	58.6	8.5	0	0	0	0	1	0	2	3	2	10	0	0
04:00	24	70.7	59.7	10.6	0	0	0	0	0	3	2	1	7	8	2	1
05:00	95	72.0	60.4	11.2	0	0	0	1	1	2	11	14	28	19	13	6
06:00	160	63.7	55.0	8.4	0	0	0	0	1	12	36	39	37	25	10	0
07:00	336	62.7	52.9	9.4	0	0	2	0	22	45	55	93	54	51	12	2
08:00	306	62.9	52.8	9.8	0	0	4	5	14	37	64	66	48	57	11	0
09:00	282	56.2	47.5	8.3	0	1	1	12	22	77	73	57	21	15	2	1
10:00	258	51.5	43.6	7.6	0	0	2	30	56	67	54	29	15	5	0	0
11:00	294	53.1	44.2	8.6	0	1	9	23	54	85	62	30	15	15	0	0
12:00	285	53.3	44.1	8.8	0	2	7	34	45	67	62	40	18	10	0	0
13:00	321	52.9	44.5	8.1	0	1	0	23	76	90	66	32	17	15	1	0
14:00	360	54.5	46.1	8.1	0	1	1	21	64	86	70	74	26	17	0	0
15:00	313	57.8	47.3	10.1	0	0	1	26	47	66	75	40	22	26	9	1
16:00	388	59.8	53.2	6.4	0	0	0	0	2	34	84	129	90	49	0	0
17:00	401	62.4	53.4	8.7	0	1	8	0	6	45	59	109	104	62	7	0
18:00	251	61.2	53.7	7.3	0	0	0	0	1	22	56	85	45	36	6	0
19:00	152	63.5	55.6	7.6	0	0	0	0	1	14	14	49	34	37	3	0
20:00	84	62.6	53.2	9.1	0	0	0	0	5	10	16	24	12	13	4	0
21:00	58	64.1	55.2	8.6	0	0	0	0	1	4	7	25	9	7	5	0
22:00	40	63.4	54.0	9.1	0	0	1	1	1	1	6	11	10	9	0	0
23:00	19	71.0	62.0	8.7	0	0	0	0	0	1	2	1	1	12	2	0
Total																
2H(10-12)	552	52.4	43.9	8.2	0	1	11	53	110	152	116	59	30	20	0	0
2H(14-16)	673	56.1	46.7	9.1	0	1	2	47	111	152	145	114	48	43	9	1
12H(7-19)	3795	58.6	48.8	9.4	0	7	35	174	409	721	780	784	475	358	48	4
24H(0-24)	4470	60.0	49.9	9.7	0	7	36	177	420	768	880	958	620	505	88	11
AM Peak	07:00	05:00	05:00	05:00	00:00	09:00	11:00	10:00	10:00	11:00	09:00	07:00	07:00	08:00	05:00	05:00
	336	72.0	60.4	11.2	0	1	9	30	56	85	73	93	54	57	13	6
PM Peak	17:00	23:00	23:00	15:00	12:00	12:00	17:00	12:00	13:00	13:00	16:00	16:00	17:00	17:00	15:00	15:00
	401	71.0	62.0	10.1	0	2	8	34	76	90	84	129	104	62	9	1

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<70	Bin 11 70<80	Bin 12 >=80
00:00	9	70.9	61.9	8.6	0	0	0	0	0	0	0	2	3	2	2	0
01:00	7	69.1	62.1	6.7	0	0	0	0	0	0	0	0	4	2	1	0
02:00	6	60.2	53.3	6.6	0	0	0	0	0	1	1	0	4	0	0	0
03:00	14	59.0	54.3	4.5	0	0	0	0	0	0	0	12	0	2	0	0
04:00	89	66.2	59.4	6.6	0	0	0	0	0	1	4	22	22	37	3	0
05:00	179	68.1	61.4	6.5	0	0	0	0	1	1	1	23	56	85	11	1
06:00	228	65.7	58.6	6.8	0	0	0	0	0	7	7	69	50	89	6	0
07:00	442	61.0	52.6	8.1	0	0	5	13	4	40	73	153	92	58	4	0
08:00	350	64.1	54.1	9.7	0	1	8	7	9	18	57	86	74	85	4	1
09:00	273	62.7	51.8	10.6	0	2	6	4	15	38	57	46	51	45	9	0
10:00	323	54.4	46.2	7.9	0	3	6	7	28	105	83	56	23	12	0	0
11:00	261	57.5	47.3	9.8	0	1	6	18	18	56	81	43	14	17	6	1
12:00	257	56.8	46.9	9.5	1	0	9	20	19	42	70	62	20	10	4	0
13:00	263	55.4	46.2	8.9	0	2	3	12	43	62	64	37	26	13	0	1
14:00	259	58.4	50.1	8.0	0	0	3	9	7	48	53	71	51	15	2	0
15:00	304	62.4	51.1	10.9	0	0	9	6	21	37	78	67	35	36	10	5
16:00	314	59.4	52.7	6.5	0	0	0	0	12	25	43	135	76	19	4	0
17:00	299	63.5	55.1	8.2	0	3	1	4	1	13	29	94	87	66	1	0
18:00	196	63.6	55.8	7.5	0	0	1	0	0	10	19	76	41	44	4	1
19:00	88	61.6	54.8	6.6	0	0	0	0	1	5	7	38	24	11	2	0
20:00	75	66.6	56.7	9.6	0	1	0	0	1	3	11	15	18	22	4	0
21:00	61	62.5	55.8	6.5	0	0	0	0	0	1	12	16	17	15	0	0
22:00	32	59.0	54.8	4.0	0	0	0	0	0	0	2	16	12	2	0	0
23:00	20	62.3	55.6	6.4	0	0	0	0	0	1	1	10	3	5	0	0
Total																
2H(10-12)	584	55.8	46.7	8.8	0	4	12	25	46	161	164	99	37	29	6	1
2H(14-16)	563	60.7	50.6	9.7	0	0	12	15	28	85	131	138	86	51	12	5
12H(7-19)	3541	60.7	50.9	9.4	1	12	57	100	177	494	707	926	590	420	48	9
24H(0-24)	4349	62.1	52.3	9.5	1	13	57	100	180	514	753	1149	803	692	77	10
AM Peak	07:00	00:00	01:00	09:00	00:00	10:00	08:00	11:00	10:00	10:00	10:00	07:00	07:00	06:00	05:00	05:00
	442	70.9	62.1	10.6	0	3	8	18	28	105	83	153	92	89	11	1
PM Peak	16:00	20:00	20:00	15:00	12:00	17:00	12:00	12:00	13:00	13:00	15:00	16:00	17:00	17:00	15:00	15:00
	314	66.6	56.7	10.9	1	3	9	20	43	62	78	135	87	66	10	5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	23	70.0	60.0	9.7	0	0	0	1	0	0	1	4	6	8	3	0
01:00	11	67.4	59.8	7.4	0	0	0	0	0	0	1	1	5	3	1	0
02:00	13	57.7	52.5	5.0	0	0	0	0	0	1	3	4	5	0	0	0
03:00	32	64.2	56.7	7.3	0	0	0	0	1	0	2	15	2	12	0	0
04:00	113	67.3	59.4	7.6	0	0	0	0	0	4	6	23	29	45	5	1
05:00	274	69.8	61.1	8.4	0	0	0	1	2	3	12	37	84	104	24	7
06:00	388	65.1	57.1	7.7	0	0	0	0	1	19	43	108	87	114	16	0
07:00	778	61.8	52.7	8.7	0	0	7	13	26	85	128	246	146	109	16	2
08:00	656	63.6	53.5	9.7	0	1	12	12	23	55	121	152	122	142	15	1
09:00	555	59.7	49.6	9.7	0	3	7	16	37	115	130	103	72	60	11	1
10:00	581	53.2	45.0	7.9	0	3	8	37	84	172	137	85	38	17	0	0
11:00	555	55.3	45.7	9.3	0	2	15	41	72	141	143	73	29	32	6	1
12:00	542	55.0	45.5	9.2	1	2	16	54	64	109	132	102	38	20	4	0
13:00	584	54.1	45.3	8.5	0	3	3	35	119	152	130	69	43	28	1	1
14:00	619	56.4	47.8	8.3	0	1	4	30	71	134	123	145	77	32	2	0
15:00	617	60.2	49.2	10.7	0	0	10	32	68	103	153	107	57	62	19	6
16:00	702	59.6	53.0	6.4	0	0	0	0	14	59	127	264	166	68	4	0
17:00	700	62.9	54.1	8.5	0	4	9	4	7	58	88	203	191	128	8	0
18:00	447	62.4	54.6	7.5	0	0	1	0	1	32	75	161	86	80	10	1
19:00	240	62.8	55.3	7.2	0	0	0	0	2	19	21	87	58	48	5	0
20:00	159	64.7	54.9	9.5	0	1	0	0	6	13	27	39	30	35	8	0
21:00	119	63.3	55.5	7.6	0	0	0	0	1	5	19	41	26	22	5	0
22:00	72	61.9	54.4	7.2	0	0	1	1	1	1	8	27	22	11	0	0
23:00	39	67.2	58.7	8.2	0	0	0	0	0	2	3	11	4	17	2	0
Total																
2H(10-12)	1136	54.3	45.3	8.6	0	5	23	78	156	313	280	158	67	49	6	1
2H(14-16)	1236	58.4	48.5	9.6	0	1	14	62	139	237	276	252	134	94	21	6
12H(7-19)	7336	59.6	49.8	9.5	1	19	92	274	586	1215	1487	1710	1065	778	96	13
24H(0-24)	8819	61.1	51.1	9.7	1	20	93	277	600	1282	1633	2107	1423	1197	165	21
AM Peak	07:00 778	00:00 70.0	05:00 61.1	08:00 9.7	00:00 0	09:00 3	11:00 15	11:00 41	10:00 84	10:00 172	11:00 143	07:00 246	07:00 146	08:00 142	05:00 24	05:00 7
PM Peak	16:00 702	23:00 67.2	23:00 58.7	15:00 10.7	12:00 1	17:00 4	12:00 16	12:00 54	13:00 119	13:00 152	15:00 153	16:00 264	17:00 191	17:00 128	15:00 19	15:00 6

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	21	60.2	52.9	7.1	0	0	0	0	0	4	2	8	4	3	0	0
01:00	7	65.0	65.0	0.0	0	0	0	0	0	0	0	0	0	7	0	0
02:00	11	64.2	51.6	12.2	0	0	1	1	0	0	1	1	6	1	0	0
03:00	20	58.8	50.6	7.9	0	0	0	0	3	3	0	8	5	1	0	0
04:00	20	55.7	48.8	6.7	0	0	0	0	2	4	6	3	5	0	0	0
05:00	53	66.5	57.0	9.2	0	0	0	0	1	7	5	7	11	20	2	0
06:00	71	60.3	54.4	5.6	0	0	0	0	0	1	16	22	23	9	0	0
07:00	125	61.9	54.3	7.3	0	0	0	0	0	18	15	35	31	26	0	0
08:00	138	60.4	52.9	7.2	0	0	1	0	3	11	32	35	41	14	1	0
09:00	186	60.5	51.2	9.0	0	1	0	0	16	31	41	38	26	32	1	0
10:00	210	57.3	49.9	7.2	0	0	0	3	17	28	57	55	38	12	0	0
11:00	245	62.1	50.0	11.7	0	11	8	5	6	24	46	53	62	30	0	0
12:00	236	60.4	51.7	8.3	0	1	1	0	4	48	48	65	28	40	1	0
13:00	266	60.0	51.9	7.8	0	1	0	0	4	35	81	71	35	35	4	0
14:00	280	58.6	48.4	9.9	0	1	17	5	24	34	79	44	53	23	0	0
15:00	246	61.4	53.6	7.5	0	0	1	1	0	27	52	63	59	41	2	0
16:00	281	59.7	52.9	6.6	0	0	0	0	1	27	65	97	60	29	1	1
17:00	254	62.4	53.3	8.8	0	1	6	0	3	23	48	63	59	51	0	0
18:00	177	64.5	55.6	8.6	0	0	0	0	1	16	24	58	35	30	13	0
19:00	116	62.6	55.7	6.7	0	0	0	0	0	9	12	24	51	18	2	0
20:00	85	65.2	55.5	9.4	0	0	0	0	4	4	15	23	17	16	5	1
21:00	59	63.7	55.3	8.1	0	0	0	0	1	4	6	22	15	7	4	0
22:00	28	61.3	51.1	9.8	0	0	1	1	1	1	11	3	5	5	0	0
23:00	25	68.2	59.4	8.5	0	0	0	0	0	1	4	4	1	14	1	0
Total																
2H(10-12)	455	60.2	50.0	9.8	0	11	8	8	23	52	103	108	100	42	0	0
2H(14-16)	526	60.4	50.8	9.2	0	1	18	6	24	61	131	107	112	64	2	0
12H(7-19)	2644	61.0	52.0	8.7	0	16	34	14	79	322	588	677	527	363	23	1
24H(0-24)	3160	61.5	52.5	8.7	0	16	36	16	91	360	666	802	670	464	37	2
AM Peak	11:00	05:00	01:00	02:00	00:00	11:00	11:00	11:00	10:00	09:00	10:00	10:00	11:00	09:00	05:00	00:00
	245	66.5	65.0	12.2	0	11	8	5	17	31	57	55	62	32	2	0
PM Peak	16:00	23:00	23:00	14:00	12:00	12:00	14:00	14:00	14:00	12:00	13:00	16:00	16:00	17:00	18:00	16:00
	281	68.2	59.4	9.9	0	1	17	5	24	48	81	97	60	51	13	1

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<70	Bin 11 70<80	Bin 12 ≥80
00:00	14	65.0	65.0	0.0	0	0	0	0	0	0	0	0	0	14	0	0
01:00	9	52.5	52.5	0.0	0	0	0	0	0	0	0	9	0	0	0	0
02:00	16	52.5	52.5	0.0	0	0	0	0	0	0	0	16	0	0	0	0
03:00	33	55.1	52.5	2.5	0	0	0	0	0	0	4	25	4	0	0	0
04:00	70	60.6	55.5	4.9	0	0	0	0	0	0	8	26	27	9	0	0
05:00	85	60.2	53.9	6.0	0	0	0	0	0	1	22	32	19	10	1	0
06:00	115	58.4	52.1	6.1	0	0	0	1	7	2	22	51	26	6	0	0
07:00	121	55.2	50.6	4.5	0	0	0	0	1	12	37	55	15	1	0	0
08:00	144	55.9	48.4	7.3	0	1	3	5	3	21	43	49	19	0	0	0
09:00	223	55.6	50.9	4.5	0	0	0	0	1	19	65	110	23	5	0	0
10:00	318	56.5	49.4	6.8	0	1	1	3	4	73	72	123	36	2	0	3
11:00	313	55.7	50.7	4.8	0	0	0	0	2	25	120	118	39	9	0	0
12:00	291	55.6	50.1	5.3	0	0	0	0	3	49	80	133	13	13	0	0
13:00	255	58.9	51.3	7.3	0	0	2	0	13	26	65	78	50	19	2	0
14:00	272	59.6	51.7	7.6	0	0	0	1	4	57	43	85	61	17	1	3
15:00	257	56.4	50.7	5.5	0	0	0	0	4	35	71	103	34	10	0	0
16:00	211	59.2	52.8	6.2	0	0	0	0	10	14	22	95	57	12	1	0
17:00	200	62.7	54.7	7.8	0	1	1	4	1	5	30	59	59	40	0	0
18:00	142	60.9	53.5	7.1	0	0	1	0	0	15	18	62	23	22	1	0
19:00	70	60.7	53.8	6.7	0	0	0	0	2	3	12	29	12	12	0	0
20:00	56	62.1	55.8	6.0	0	0	0	0	1	1	6	15	23	10	0	0
21:00	46	60.7	54.1	6.3	0	0	0	0	0	1	13	14	10	8	0	0
22:00	32	57.8	53.7	4.0	0	0	0	0	0	0	5	16	10	1	0	0
23:00	20	57.2	52.9	4.2	0	0	0	0	0	1	1	15	2	1	0	0
Total																
2H(10-12)	631	56.2	50.1	5.9	0	1	1	3	6	98	192	241	75	11	0	3
2H(14-16)	529	58.1	51.2	6.7	0	0	0	1	8	92	114	188	95	27	1	3
12H(7-19)	2747	57.8	51.1	6.5	0	3	8	13	46	351	666	1070	429	150	5	6
24H(0-24)	3313	58.3	51.6	6.5	0	3	8	14	56	360	759	1318	562	221	6	6
AM Peak	10:00	00:00	00:00	08:00	00:00	08:00	08:00	08:00	06:00	10:00	11:00	10:00	11:00	00:00	05:00	10:00
	318	65.0	65.0	7.3	0	1	3	5	7	73	120	123	39	14	1	3
PM Peak	12:00	17:00	20:00	17:00	12:00	17:00	13:00	17:00	13:00	14:00	12:00	12:00	14:00	17:00	13:00	14:00
	291	62.7	55.8	7.8	0	1	2	4	13	57	80	133	61	40	2	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	35	66.2	57.7	8.1	0	0	0	0	0	4	2	8	4	17	0	0
01:00	16	64.6	58.0	6.4	0	0	0	0	0	0	0	9	0	7	0	0
02:00	27	60.0	52.1	7.6	0	0	1	1	0	0	1	17	6	1	0	0
03:00	53	57.2	51.8	5.2	0	0	0	0	3	3	4	33	9	1	0	0
04:00	90	60.2	54.0	6.0	0	0	0	0	2	4	14	29	32	9	0	0
05:00	138	62.9	55.1	7.5	0	0	0	0	1	8	27	39	30	30	3	0
06:00	186	59.2	53.0	6.0	0	0	0	1	7	3	38	73	49	15	0	0
07:00	246	59.1	52.5	6.4	0	0	0	0	1	30	52	90	46	27	0	0
08:00	282	58.4	50.6	7.6	0	1	4	5	6	32	75	84	60	14	1	0
09:00	409	58.2	51.1	6.9	0	1	0	0	17	50	106	148	49	37	1	0
10:00	528	56.8	49.6	7.0	0	1	1	6	21	101	129	178	74	14	0	3
11:00	558	59.2	50.4	8.5	0	11	8	5	8	49	166	171	101	39	0	0
12:00	527	57.9	50.8	6.9	0	1	1	0	7	97	128	198	41	53	1	0
13:00	521	59.5	51.6	7.6	0	1	2	0	17	61	146	149	85	54	6	0
14:00	552	59.3	50.0	9.0	0	1	17	6	28	91	122	129	114	40	1	3
15:00	503	59.1	52.1	6.7	0	0	1	1	4	62	123	166	93	51	2	0
16:00	492	59.5	52.8	6.4	0	0	0	0	11	41	87	192	117	41	2	1
17:00	454	62.6	53.9	8.4	0	2	7	4	4	28	78	122	118	91	0	0
18:00	319	62.9	54.7	8.0	0	0	1	0	1	31	42	120	58	52	14	0
19:00	186	62.0	55.0	6.7	0	0	0	0	2	12	24	53	63	30	2	0
20:00	141	64.1	55.6	8.2	0	0	0	0	5	5	21	38	40	26	5	1
21:00	105	62.4	54.8	7.4	0	0	0	0	1	5	19	36	25	15	4	0
22:00	60	60.1	52.5	7.4	0	0	1	1	1	1	16	19	15	6	0	0
23:00	45	64.4	56.5	7.6	0	0	0	0	0	2	5	19	3	15	1	0
Total																
2H(10-12)	1086	58.1	50.0	7.8	0	12	9	11	29	150	295	349	175	53	0	3
2H(14-16)	1055	59.3	51.0	8.0	0	1	18	7	32	153	245	295	207	91	3	3
12H(7-19)	5391	59.5	51.5	7.7	0	19	42	27	125	673	1254	1747	956	513	28	7
24H(0-24)	6473	60.0	52.0	7.7	0	19	44	30	147	720	1425	2120	1232	685	43	8
AM Peak	11:00	00:00	01:00	11:00	00:00	11:00	11:00	10:00	10:00	10:00	11:00	10:00	11:00	11:00	05:00	10:00
	558	66.2	58.0	8.5	0	11	8	6	21	101	166	178	101	39	3	3
PM Peak	14:00	23:00	23:00	14:00	12:00	17:00	14:00	14:00	14:00	12:00	13:00	12:00	17:00	17:00	18:00	14:00
	552	64.4	56.5	9.0	0	2	17	6	28	97	146	198	118	91	14	3

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	25	55.7	51.1	4.5	0	0	0	0	0	3	5	13	4	0	0	0
01:00	10	60.5	55.0	5.3	0	0	0	0	0	0	0	8	0	2	0	0
02:00	18	53.6	51.4	2.1	0	0	0	0	0	0	4	14	0	0	0	0
03:00	21	61.0	53.7	7.0	0	0	0	0	2	0	2	7	8	2	0	0
04:00	17	66.3	54.0	11.9	0	0	0	3	0	0	0	5	5	3	1	0
05:00	39	67.7	58.9	8.5	0	0	0	0	0	1	5	8	9	12	4	0
06:00	29	59.5	50.8	8.5	0	0	0	3	0	2	7	7	8	2	0	0
07:00	60	58.9	52.1	6.5	0	0	0	1	1	5	12	24	12	5	0	0
08:00	74	57.1	49.6	7.3	0	0	0	2	5	12	18	21	12	4	0	0
09:00	105	58.1	50.0	7.8	0	0	1	2	2	22	28	24	18	7	1	0
10:00	193	55.7	47.2	8.2	0	1	3	12	8	47	52	46	14	10	0	0
11:00	248	55.5	47.3	7.9	0	1	1	4	26	73	67	35	34	2	5	0
12:00	254	61.4	52.6	8.5	0	0	4	4	5	31	40	80	47	41	2	0
13:00	218	57.8	48.9	8.6	0	4	1	0	12	48	66	36	35	16	0	0
14:00	255	58.8	50.5	7.9	0	2	0	1	12	40	70	68	33	29	0	0
15:00	211	59.2	49.5	9.4	0	1	8	1	4	56	42	44	32	21	2	0
16:00	219	60.7	51.8	8.6	0	1	1	2	11	30	37	68	41	24	4	0
17:00	220	59.1	52.2	6.7	0	0	0	0	2	30	53	65	48	21	1	0
18:00	128	62.9	54.3	8.3	0	0	1	1	3	4	36	24	27	31	1	0
19:00	80	64.4	54.5	9.5	0	0	0	0	4	10	9	22	16	15	3	1
20:00	71	64.3	55.4	8.6	0	0	0	0	1	5	10	28	9	13	5	0
21:00	56	64.1	55.6	8.2	0	0	0	1	1	3	9	12	12	18	0	0
22:00	23	64.4	57.1	7.1	0	0	0	0	1	1	1	2	12	6	0	0
23:00	13	68.0	60.2	7.5	0	0	0	0	0	1	1	0	3	8	0	0
Total																
2H(10-12)	441	55.6	47.3	8.0	0	2	4	16	34	120	119	81	48	12	5	0
2H(14-16)	466	59.0	50.1	8.6	0	3	8	2	16	96	112	112	65	50	2	0
12H(7-19)	2185	59.1	50.3	8.4	0	10	20	30	91	398	521	535	353	211	16	0
24H(0-24)	2587	59.9	51.1	8.6	0	10	20	37	100	424	574	661	439	292	29	1
AM Peak	11:00	05:00	05:00	04:00	00:00	10:00	10:00	10:00	11:00	11:00	11:00	10:00	11:00	05:00	11:00	00:00
	248	67.7	58.9	11.9	0	1	3	12	26	73	67	46	34	12	5	0
PM Peak	14:00	23:00	23:00	19:00	12:00	13:00	15:00	12:00	13:00	15:00	14:00	12:00	17:00	12:00	20:00	19:00
	255	68.0	60.2	9.5	0	4	8	4	12	56	70	80	48	41	5	1

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<70	Bin 11 70<80	Bin 12 ≥80
00:00	13	47.5	47.5	0.0	0	0	0	0	0	0	13	0	0	0	0	0
01:00	12	52.7	50.0	2.6	0	0	0	0	0	0	6	6	0	0	0	0
02:00	22	52.5	52.5	0.0	0	0	0	0	0	0	0	22	0	0	0	0
03:00	43	59.6	56.8	2.7	0	0	0	0	0	0	0	9	32	2	0	0
04:00	67	67.4	60.9	6.3	0	0	0	0	0	0	5	4	22	33	3	0
05:00	59	61.2	54.9	6.0	0	0	0	0	0	1	11	22	14	11	0	0
06:00	41	61.6	54.6	6.8	0	0	0	1	0	2	5	12	15	6	0	0
07:00	62	60.6	54.6	5.8	0	0	0	0	0	2	11	22	18	9	0	0
08:00	71	57.9	50.1	7.5	0	1	0	0	4	6	24	21	11	4	0	0
09:00	115	59.9	52.9	6.8	0	0	0	3	2	5	27	28	41	9	0	0
10:00	209	60.1	52.7	7.2	0	0	0	4	2	19	44	77	31	32	0	0
11:00	284	56.2	47.6	8.3	0	1	12	9	21	43	73	74	50	1	0	0
12:00	240	60.4	52.5	7.7	0	0	0	2	11	16	69	59	49	31	3	0
13:00	190	59.3	52.0	7.0	0	0	0	3	2	19	53	56	34	23	0	0
14:00	239	58.6	48.4	9.9	0	1	14	8	12	47	34	72	30	21	0	0
15:00	207	60.4	51.7	8.4	0	1	0	8	9	16	45	61	39	28	0	0
16:00	177	61.2	53.5	7.4	0	0	0	3	4	17	23	57	45	28	0	0
17:00	152	60.4	54.4	5.7	0	0	0	0	1	2	31	51	47	20	0	0
18:00	98	60.9	54.4	6.3	0	0	0	0	1	4	13	45	17	18	0	0
19:00	58	65.0	57.4	7.3	0	0	0	0	0	1	8	16	13	18	2	0
20:00	54	67.1	59.8	7.0	0	0	0	0	0	1	1	15	11	23	3	0
21:00	36	59.9	51.5	8.1	0	0	0	0	1	7	12	3	7	6	0	0
22:00	16	58.1	51.9	6.0	0	0	0	1	0	0	2	9	4	0	0	0
23:00	14	57.6	50.9	6.5	0	0	0	0	1	1	3	7	1	1	0	0
Total																
2H(10-12)	493	58.3	49.7	8.2	0	1	12	13	23	62	117	151	81	33	0	0
2H(14-16)	446	59.6	49.9	9.4	0	2	14	16	21	63	79	133	69	49	0	0
12H(7-19)	2044	59.9	51.5	8.1	0	4	26	40	69	196	447	623	412	224	3	0
24H(0-24)	2479	60.7	52.3	8.1	0	4	26	42	71	209	513	748	531	324	11	0
AM Peak	11:00 284	04:00 67.4	04:00 60.9	11:00 8.3	00:00 0	08:00 1	11:00 12	11:00 9	11:00 21	11:00 43	11:00 73	10:00 77	11:00 50	04:00 33	04:00 3	00:00 0
PM Peak	12:00 240	20:00 67.1	20:00 59.8	14:00 9.9	12:00 0	14:00 1	14:00 14	14:00 8	14:00 12	14:00 47	12:00 69	14:00 72	12:00 49	12:00 31	12:00 3	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	38	54.0	49.9	4.0	0	0	0	0	0	3	18	13	4	0	0	0
01:00	22	57.1	52.3	4.7	0	0	0	0	0	0	6	14	0	2	0	0
02:00	40	53.6	52.0	1.5	0	0	0	0	0	0	4	36	0	0	0	0
03:00	64	60.7	55.8	4.8	0	0	0	0	2	0	2	16	40	4	0	0
04:00	84	68.0	59.5	8.1	0	0	0	3	0	0	5	9	27	36	4	0
05:00	98	64.1	56.5	7.3	0	0	0	0	0	2	16	30	23	23	4	0
06:00	70	61.0	53.0	7.7	0	0	0	4	0	4	12	19	23	8	0	0
07:00	122	59.9	53.4	6.3	0	0	0	1	1	7	23	46	30	14	0	0
08:00	145	57.5	49.8	7.4	0	1	0	2	9	18	42	42	23	8	0	0
09:00	220	59.2	51.5	7.4	0	0	1	5	4	27	55	52	59	16	1	0
10:00	402	58.5	50.1	8.1	0	1	3	16	10	66	96	123	45	42	0	0
11:00	532	55.9	47.4	8.1	0	2	13	13	47	116	140	109	84	3	5	0
12:00	494	60.9	52.5	8.1	0	0	4	6	16	47	109	139	96	72	5	0
13:00	408	58.7	50.3	8.0	0	4	1	3	14	67	119	92	69	39	0	0
14:00	494	58.8	49.5	9.0	0	3	14	9	24	87	104	140	63	50	0	0
15:00	418	59.9	50.6	9.0	0	2	8	9	13	72	87	105	71	49	2	0
16:00	396	60.9	52.5	8.1	0	1	1	5	15	47	60	125	86	52	4	0
17:00	372	59.7	53.1	6.4	0	0	0	0	3	32	84	116	95	41	1	0
18:00	226	62.1	54.4	7.5	0	0	1	1	4	8	49	69	44	49	1	0
19:00	138	64.8	55.7	8.7	0	0	0	0	4	11	17	38	29	33	5	1
20:00	125	65.8	57.3	8.2	0	0	0	0	1	6	11	43	20	36	8	0
21:00	92	62.7	54.0	8.4	0	0	0	1	2	10	21	15	19	24	0	0
22:00	39	62.3	54.9	7.1	0	0	0	1	1	1	3	11	16	6	0	0
23:00	27	64.0	55.4	8.3	0	0	0	0	1	2	4	7	4	9	0	0
Total																
2H(10-12)	934	57.1	48.6	8.2	0	3	16	29	57	182	236	232	129	45	5	0
2H(14-16)	912	59.3	50.0	9.0	0	5	22	18	37	159	191	245	134	99	2	0
12H(7-19)	4229	59.5	50.9	8.3	0	14	46	70	160	594	968	1158	765	435	19	0
24H(0-24)	5066	60.3	51.7	8.4	0	14	46	79	171	633	1087	1409	970	616	40	1
AM Peak	11:00	04:00	04:00	10:00	00:00	11:00	11:00	10:00	11:00	11:00	11:00	10:00	11:00	10:00	11:00	00:00
	532	68.0	59.5	8.1	0	2	13	16	47	116	140	123	84	42	5	0
PM Peak	12:00	20:00	20:00	14:00	12:00	13:00	14:00	14:00	14:00	14:00	13:00	14:00	12:00	12:00	20:00	19:00
	494	65.8	57.3	9.0	0	4	14	9	24	87	119	140	96	72	8	1

Paul Castle Associates

Tween Bridge ATC 10, A18 High Levels Bank

Direction: Eastbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	14	59.5	53.2	6.1	0	0	0	0	0	1	2	8	1	2	0	0
01:00	1	-	52.5	-	0	0	0	0	0	0	0	1	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	13	63.6	55.4	8.0	0	0	0	0	1	0	2	2	5	3	0	0
04:00	17	76.2	63.1	12.6	0	0	0	1	0	0	0	2	6	2	5	1
05:00	112	68.7	60.0	8.4	0	0	0	0	0	1	10	28	21	39	12	1
06:00	137	65.9	55.9	9.7	0	1	0	4	0	9	22	22	35	38	6	0
07:00	381	60.6	52.2	8.2	0	2	0	8	14	38	70	124	72	51	2	0
08:00	301	58.2	50.2	7.7	0	0	0	6	13	57	80	70	52	20	2	1
09:00	244	62.7	51.6	10.8	0	0	5	6	10	43	56	44	38	26	14	2
10:00	230	55.5	46.8	8.4	0	1	8	10	10	64	62	41	24	10	0	0
11:00	253	56.9	48.0	8.6	0	1	1	5	26	64	70	44	25	12	4	1
12:00	260	59.4	51.6	7.5	0	1	0	3	5	29	68	82	48	20	4	0
13:00	240	60.4	52.0	8.1	0	0	0	8	3	30	50	77	38	32	1	1
14:00	280	60.2	52.0	7.9	0	2	1	3	4	25	77	78	55	34	1	0
15:00	288	59.5	52.0	7.2	0	1	0	0	6	39	64	85	69	20	4	0
16:00	373	62.0	54.4	7.3	0	1	0	0	1	33	61	101	114	56	6	0
17:00	431	62.8	55.2	7.3	0	1	0	0	2	25	59	142	116	76	9	1
18:00	270	64.8	56.0	8.5	0	2	0	0	4	9	38	81	60	67	8	1
19:00	146	64.2	56.8	7.1	0	0	0	0	0	4	19	38	47	32	6	0
20:00	82	65.6	57.7	7.6	0	0	0	1	1	1	7	17	28	24	3	0
21:00	62	65.7	56.9	8.5	0	0	0	0	0	5	11	7	20	15	4	0
22:00	19	65.5	56.1	9.1	0	0	0	1	0	1	2	4	4	7	0	0
23:00	18	63.6	55.6	7.8	0	0	0	0	0	1	2	8	3	3	1	0
Total																
2H(10-12)	483	56.2	47.4	8.5	0	2	9	15	36	128	132	85	49	22	4	1
2H(14-16)	568	59.8	52.0	7.5	0	3	1	3	10	64	141	163	124	54	5	0
12H(7-19)	3551	60.9	52.1	8.4	0	12	15	49	98	456	755	969	711	424	55	7
24H(0-24)	4174	61.9	52.9	8.7	0	13	15	56	100	479	833	1107	881	589	92	9
AM Peak	07:00	04:00	04:00	04:00	00:00	07:00	10:00	10:00	11:00	10:00	08:00	07:00	07:00	07:00	09:00	09:00
	381	76.2	63.1	12.6	0	2	8	10	26	64	80	124	72	51	14	2
PM Peak	17:00	21:00	20:00	22:00	12:00	14:00	14:00	13:00	15:00	15:00	14:00	17:00	17:00	17:00	17:00	13:00
	431	65.7	57.7	9.1	0	2	1	8	6	39	77	142	116	76	9	1

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<70	Bin 11 70<80	Bin 12 ≥80
00:00	2	47.5	47.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
01:00	2	53.7	50.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
02:00	5	55.8	53.5	2.2	0	0	0	0	0	0	0	4	1	0	0	0
03:00	20	59.8	56.9	2.8	0	0	0	0	0	0	0	4	15	1	0	0
04:00	64	68.6	61.6	6.8	0	0	0	0	0	0	4	4	21	29	6	0
05:00	149	62.4	55.8	6.4	0	0	0	0	0	4	17	55	42	30	0	1
06:00	243	61.6	53.2	8.1	0	1	0	7	4	23	29	78	67	33	0	1
07:00	437	61.1	54.4	6.4	0	0	0	0	3	21	83	146	106	78	0	0
08:00	374	59.1	51.0	7.8	0	3	6	1	7	30	119	106	71	31	0	0
09:00	287	60.8	53.0	7.5	0	1	0	3	9	23	59	68	88	36	0	0
10:00	296	59.6	52.2	7.2	0	0	0	3	4	45	45	116	47	34	2	0
11:00	302	56.5	47.7	8.5	0	1	13	8	28	35	88	73	51	5	0	0
12:00	240	58.4	51.5	6.7	0	2	3	0	0	13	64	98	52	7	1	0
13:00	236	57.4	50.8	6.4	0	2	0	3	1	13	82	94	31	9	1	0
14:00	265	56.7	49.7	6.7	0	0	1	10	0	52	66	81	47	8	0	0
15:00	308	58.1	49.4	8.3	0	0	12	9	4	42	81	96	49	14	0	1
16:00	321	57.7	51.7	5.8	0	1	0	1	6	25	61	161	50	16	0	0
17:00	327	59.2	52.7	6.2	0	1	0	0	4	21	76	114	86	24	1	0
18:00	178	60.6	53.2	7.1	0	1	0	0	5	9	31	64	52	13	3	0
19:00	109	62.3	55.6	6.5	0	0	0	0	0	2	18	39	27	21	2	0
20:00	67	64.7	56.7	7.8	0	0	0	0	1	2	10	18	14	20	2	0
21:00	53	58.8	53.6	5.0	0	0	0	0	0	2	10	20	18	3	0	0
22:00	24	62.9	54.2	8.5	0	0	0	0	2	1	4	6	5	6	0	0
23:00	18	59.6	52.2	7.1	0	0	0	0	1	2	2	8	3	2	0	0
Total																
2H(10-12)	598	58.4	49.9	8.2	0	1	13	11	32	80	133	189	98	39	2	0
2H(14-16)	573	57.5	49.6	7.6	0	0	13	19	4	94	147	177	96	22	0	1
12H(7-19)	3571	59.1	51.5	7.3	0	12	35	38	71	329	855	1217	730	275	8	1
24H(0-24)	4327	59.9	52.2	7.5	0	13	35	45	79	365	952	1454	943	420	18	3
AM Peak	07:00	04:00	04:00	11:00	00:00	08:00	11:00	11:00	11:00	10:00	08:00	07:00	07:00	07:00	04:00	05:00
	437	68.6	61.6	8.5	0	3	13	8	28	45	119	146	106	78	6	1
PM Peak	17:00	20:00	20:00	22:00	12:00	12:00	15:00	14:00	16:00	14:00	13:00	16:00	17:00	17:00	18:00	15:00
	327	64.7	56.7	8.5	0	2	12	10	6	52	82	161	86	24	3	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<70	Bin 11 70<80	Bin 12 >=80
00:00	16	58.7	52.5	6.0	0	0	0	0	0	1	4	8	1	2	0	0
01:00	3	53.8	50.8	2.9	0	0	0	0	0	0	1	2	0	0	0	0
02:00	7	55.5	52.5	2.9	0	0	0	0	0	0	1	5	1	0	0	0
03:00	33	61.9	56.3	5.4	0	0	0	0	1	0	2	6	20	4	0	0
04:00	81	70.5	61.9	8.3	0	0	0	1	0	0	4	6	27	31	11	1
05:00	261	65.4	57.6	7.6	0	0	0	0	0	5	27	83	63	69	12	2
06:00	380	63.3	54.2	8.8	0	2	0	11	4	32	51	100	102	71	6	1
07:00	818	61.0	53.4	7.4	0	2	0	8	17	59	153	270	178	129	2	0
08:00	675	58.7	50.6	7.8	0	3	6	7	20	87	199	176	123	51	2	1
09:00	531	61.8	52.3	9.2	0	1	5	9	19	66	115	112	126	62	14	2
10:00	526	58.3	49.8	8.2	0	1	8	13	14	109	107	157	71	44	2	0
11:00	555	56.6	47.8	8.5	0	2	14	13	54	99	158	117	76	17	4	1
12:00	500	58.9	51.6	7.1	0	3	3	3	5	42	132	180	100	27	5	0
13:00	476	59.0	51.4	7.3	0	2	0	11	4	43	132	171	69	41	2	1
14:00	545	58.6	50.9	7.4	0	2	2	13	4	77	143	159	102	42	1	0
15:00	596	58.9	50.7	7.9	0	1	12	9	10	81	145	181	118	34	4	1
16:00	694	60.2	53.2	6.8	0	2	0	1	7	58	122	262	164	72	6	0
17:00	758	61.3	54.1	7.0	0	2	0	0	6	46	135	256	202	100	10	1
18:00	448	63.3	54.9	8.1	0	3	0	0	9	18	69	145	112	80	11	1
19:00	255	63.4	56.3	6.9	0	0	0	0	0	6	37	77	74	53	8	0
20:00	149	65.2	57.2	7.7	0	0	0	1	2	3	17	35	42	44	5	0
21:00	115	62.9	55.4	7.3	0	0	0	0	0	7	21	27	38	18	4	0
22:00	43	64.0	55.0	8.7	0	0	0	1	2	2	6	10	9	13	0	0
23:00	36	61.7	53.9	7.5	0	0	0	0	1	3	4	16	6	5	1	0
Total																
2H(10-12)	1081	57.5	48.8	8.4	0	3	22	26	68	208	265	274	147	61	6	1
2H(14-16)	1141	58.7	50.8	7.7	0	3	14	22	14	158	288	340	220	76	5	1
12H(7-19)	7122	60.0	51.8	7.9	0	24	50	87	169	785	1610	2186	1441	699	63	8
24H(0-24)	8501	60.9	52.5	8.1	0	26	50	101	179	844	1785	2561	1824	1009	110	12
AM Peak	07:00	04:00	04:00	09:00	00:00	08:00	11:00	10:00	11:00	10:00	08:00	07:00	07:00	07:00	09:00	05:00
	818	70.5	61.9	9.2	0	3	14	13	54	109	199	270	178	129	14	2
PM Peak	17:00	20:00	20:00	22:00	12:00	12:00	15:00	14:00	15:00	15:00	15:00	16:00	17:00	17:00	18:00	13:00
	758	65.2	57.2	8.7	0	3	12	13	10	81	145	262	202	100	11	1

Paul Castle Associates



Appendix K : Automatic Traffic Survey Reports – Link 11

Tween Bridge ATC 11, A18 Tudworth Road



Direction: Southbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	12	11	12	12	21	23	13	12	15
01:00	6	9	12	6	5	10	11	9	8
02:00	9	7	11	8	9	11	10	9	9
03:00	12	24	21	7	6	9	14	16	13
04:00	48	66	41	60	16	15	67	56	45
05:00	183	176	138	161	38	36	161	164	138
06:00	311	319	306	265	87	75	325	305	241
07:00	650	660	667	654	227	164	675	661	528
08:00	516	515	485	486	266	154	488	498	416
09:00	351	344	378	354	346	275	428	371	354
10:00	330	391	346	406	404	387	385	372	378
11:00	368	396	387	412	428	376	399	392	395
12:00	325	350	383	391	413	399	363	362	375
13:00	383	346	329	426	349	400	391	375	375
14:00	352	373	402	441	329	357	399	393	379
15:00	454	413	446	524	277	305	452	458	430
16:00	502	454	568	498	261	322	542	513	450
17:00	502	474	556	475	301	277	516	505	443
18:00	244	303	323	310	210	241	276	291	272
19:00	158	169	195	191	159	181	167	176	174
20:00	106	116	115	96	99	122	84	103	105
21:00	81	58	102	96	82	72	76	83	81
22:00	44	47	50	59	66	34	40	48	49
23:00	37	30	25	34	31	24	31	31	30
Total									
12H(7-19)	4977	5019	5270	5377	3811	3657	5314	5191	4775
16H(6-22)	5633	5681	5888	6025	4238	4107	5966	5859	5377
18H(6-24)	5741	5758	6063	6118	4335	4165	6037	5938	5456
24H(0-24)	5984	6051	6298	6372	4430	4269	6313	6204	5674
AM Peak	07:00	07:00	07:00	07:00	11:00	10:00	07:00	07:00	07:00
PM Peak	16:00	17:00	16:00	15:00	12:00	13:00	16:00	16:00	16:00
Paul Castle Associates	502	474	568	524	413	400	542	513	450

Direction: Northbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	2	2	4	5	7	12	4	3	5
01:00	1	1	2	0	5	2	3	1	2
02:00	0	0	1	1	0	1	1	1	1
03:00	2	2	3	2	2	3	2	2	2
04:00	9	14	6	9	6	4	4	8	7
05:00	41	42	37	38	18	11	35	39	32
06:00	62	50	65	64	23	17	62	61	49
07:00	170	186	170	167	67	33	173	173	138
08:00	176	181	183	187	122	45	185	184	156
09:00	122	142	124	149	142	108	130	133	131
10:00	117	150	109	151	187	136	115	128	138
11:00	143	153	140	148	169	160	148	146	152
12:00	150	134	155	147	206	155	169	151	159
13:00	156	112	149	193	199	157	147	151	159
14:00	180	199	185	181	239	170	181	187	192
15:00	212	168	223	210	240	176	159	194	198
16:00	247	228	237	271	181	122	245	246	219
17:00	216	224	218	196	128	106	188	208	182
18:00	173	135	169	144	83	87	113	147	129
19:00	95	122	104	87	55	63	64	94	84
20:00	68	59	61	67	64	53	62	63	63
21:00	36	36	39	47	46	42	40	40	41
22:00	24	29	25	25	33	30	19	24	26
23:00	10	13	11	12	18	7	7	11	11
Total									
12H(7-19)	2072	2012	2072	2144	1963	1455	1953	2051	1953
16H(6-22)	2333	2279	2341	2409	2151	1639	2181	2309	2189
18H(6-24)	2367	2321	2377	2446	2202	1667	2207	2344	2217
24H(0-24)	2422	2382	2430	2501	2240	1700	2256	2398	2276
AM Peak	08:00	07:00	08:00	08:00	10:00	11:00	08:00	08:00	08:00
PM Peak	16:00	16:00	16:00	16:00	15:00	15:00	16:00	16:00	16:00
Paul Castle Associates	176	186	193	187	187	160	185	184	156
	247	228	237	271	240	176	245	246	219

Direction: Total Flow

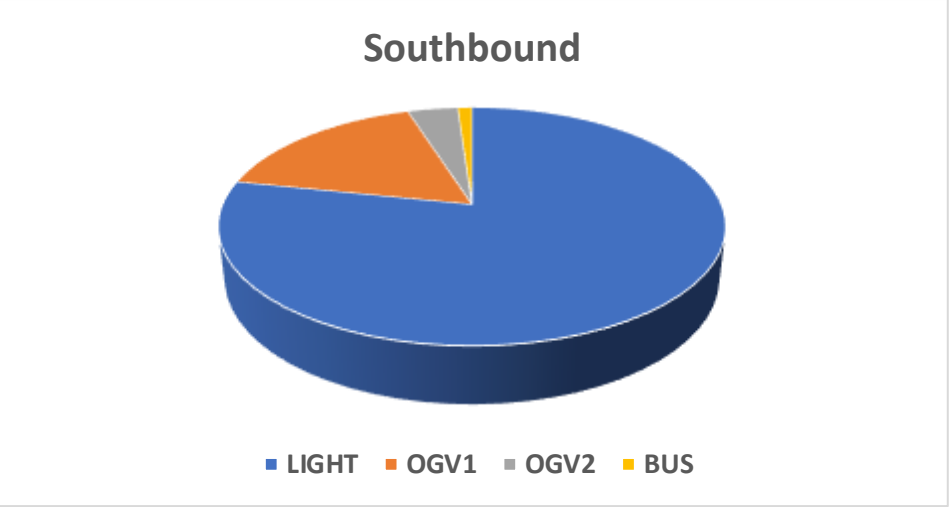
Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	14	13	16	17	28	35	17	15	20
01:00	7	10	14	6	10	12	14	10	10
02:00	9	7	12	9	9	12	11	10	10
03:00	14	26	24	9	8	12	16	18	16
04:00	57	80	47	69	22	19	71	65	52
05:00	224	218	175	199	56	47	196	202	159
06:00	373	369	371	329	110	92	387	366	290
07:00	820	846	837	821	294	197	848	834	666
08:00	692	696	678	673	368	199	673	682	571
09:00	473	486	502	503	488	383	558	504	465
10:00	447	541	455	557	591	523	500	500	516
11:00	511	549	527	560	597	536	547	539	547
12:00	475	484	538	536	619	554	532	513	534
13:00	539	458	478	619	548	557	538	526	534
14:00	542	572	587	622	568	527	580	581	571
15:00	666	581	669	734	517	481	611	652	608
16:00	749	682	805	769	442	444	787	758	668
17:00	718	698	774	671	429	383	704	713	625
18:00	417	438	492	454	293	328	389	438	402
19:00	253	291	299	278	214	244	231	270	259
20:00	174	175	176	163	163	175	146	167	167
21:00	117	94	141	143	128	114	116	122	122
22:00	68	76	75	84	99	64	59	72	75
23:00	47	43	36	46	49	31	38	42	41
Total									
12H(7-19)	7049	7031	7342	7521	5774	5112	7267	7242	6728
16H(6-22)	7966	7960	8329	8434	6389	5737	8147	8167	7566
18H(6-24)	8081	8079	8440	8564	6537	5832	8244	8282	7682
24H(0-24)	8406	8433	8728	8873	6670	5969	8569	8602	7950
AM Peak	07:00	07:00	07:00	07:00	11:00	11:00	07:00	07:00	07:00
PM Peak	16:00	17:00	16:00	16:00	12:00	13:00	16:00	16:00	16:00
Paul Castle Associates	629	646	637	621	597	536	646	634	666
	749	698	805	769	619	657	787	758	668

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	5984	4631	1032	254	67
Wed 7 Jun 2023	6051	4706	1021	253	71
Thu 8 Jun 2023	6298	4781	1156	290	71
Fri 9 Jun 2023	6372	4891	1148	254	79
Sat 10 Jun 2023	4430	3829	552	25	24
Sun 11 Jun 2023	4269	3682	507	36	44
Mon 12 Jun 2023	6313	4563	1269	406	75
5 Day Ave.	6204	4714	1125	291	73
7 Day Ave.	5674	4440	955	217	62

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	77.4%	17.2%	4.2%	1.1%
Wed 7 Jun 2023	100.0%	77.8%	16.9%	4.2%	1.2%
Thu 8 Jun 2023	100.0%	75.9%	18.4%	4.6%	1.1%
Fri 9 Jun 2023	100.0%	76.8%	18.0%	4.0%	1.2%
Sat 10 Jun 2023	100.0%	86.4%	12.5%	0.6%	0.5%
Sun 11 Jun 2023	100.0%	86.2%	11.9%	0.8%	1.0%
Mon 12 Jun 2023	100.0%	72.3%	20.1%	6.4%	1.2%
5 Day Ave.	100.0%	76.0%	18.1%	4.7%	1.2%
7 Day Ave.	100.0%	78.3%	16.8%	3.8%	1.1%

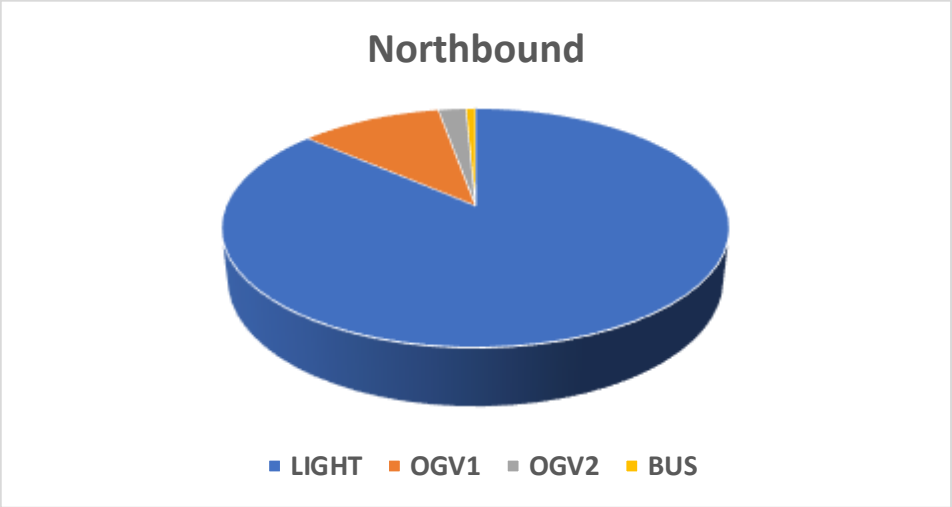
Paul Castle Associates



Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2422	2035	288	79	20
Wed 7 Jun 2023	2382	2003	306	55	18
Thu 8 Jun 2023	2430	2045	293	73	19
Fri 9 Jun 2023	2501	2136	300	46	19
Sat 10 Jun 2023	2240	2052	157	26	5
Sun 11 Jun 2023	1700	1567	111	6	16
Mon 12 Jun 2023	2256	1920	267	51	18
5 Day Ave.	2398	2028	291	61	19
7 Day Ave.	2276	1965	246	48	16

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	84.0%	11.9%	3.3%	0.8%
Wed 7 Jun 2023	100.0%	84.1%	12.8%	2.3%	0.8%
Thu 8 Jun 2023	100.0%	84.2%	12.1%	3.0%	0.8%
Fri 9 Jun 2023	100.0%	85.4%	12.0%	1.8%	0.8%
Sat 10 Jun 2023	100.0%	91.6%	7.0%	1.2%	0.2%
Sun 11 Jun 2023	100.0%	92.2%	6.5%	0.4%	0.9%
Mon 12 Jun 2023	100.0%	85.1%	11.8%	2.3%	0.8%
5 Day Ave.	100.0%	84.6%	12.1%	2.5%	0.8%
7 Day Ave.	100.0%	86.4%	10.8%	2.1%	0.7%

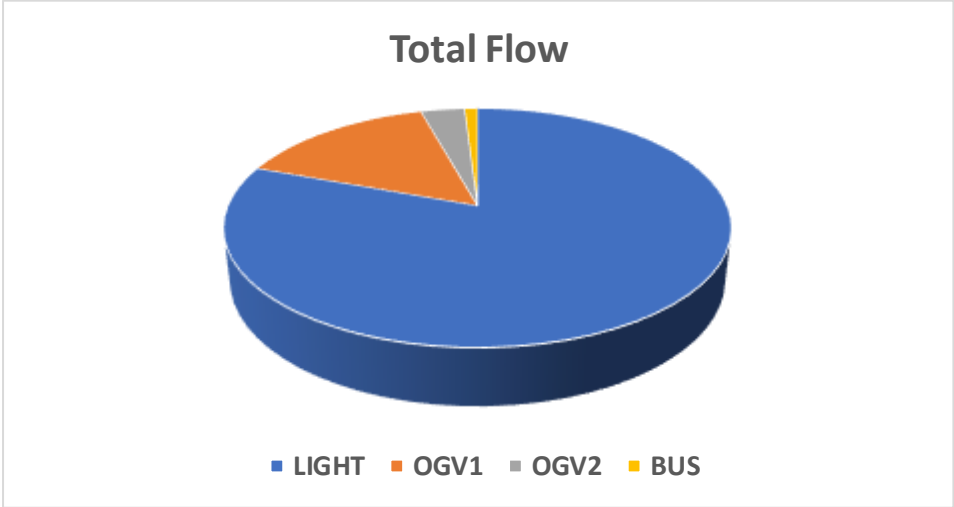
Paul Castle Associates



Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	8406	6666	1320	333	87
Wed 7 Jun 2023	8433	6709	1327	308	89
Thu 8 Jun 2023	8728	6826	1449	363	90
Fri 9 Jun 2023	8873	7027	1448	300	98
Sat 10 Jun 2023	6670	5881	709	51	29
Sun 11 Jun 2023	5969	5249	618	42	60
Mon 12 Jun 2023	8569	6483	1536	457	93
5 Day Ave.	8602	6742	1416	352	91
7 Day Ave.	7950	6406	1201	265	78

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	79.3%	15.7%	4.0%	1.0%
Wed 7 Jun 2023	100.0%	79.6%	15.7%	3.7%	1.1%
Thu 8 Jun 2023	100.0%	78.2%	16.6%	4.2%	1.0%
Fri 9 Jun 2023	100.0%	79.2%	16.3%	3.4%	1.1%
Sat 10 Jun 2023	100.0%	88.2%	10.6%	0.8%	0.4%
Sun 11 Jun 2023	100.0%	87.9%	10.4%	0.7%	1.0%
Mon 12 Jun 2023	100.0%	75.7%	17.9%	5.3%	1.1%
5 Day Ave.	100.0%	78.4%	16.5%	4.1%	1.1%
7 Day Ave.	100.0%	80.6%	15.1%	3.3%	1.0%

Paul Castle Associates

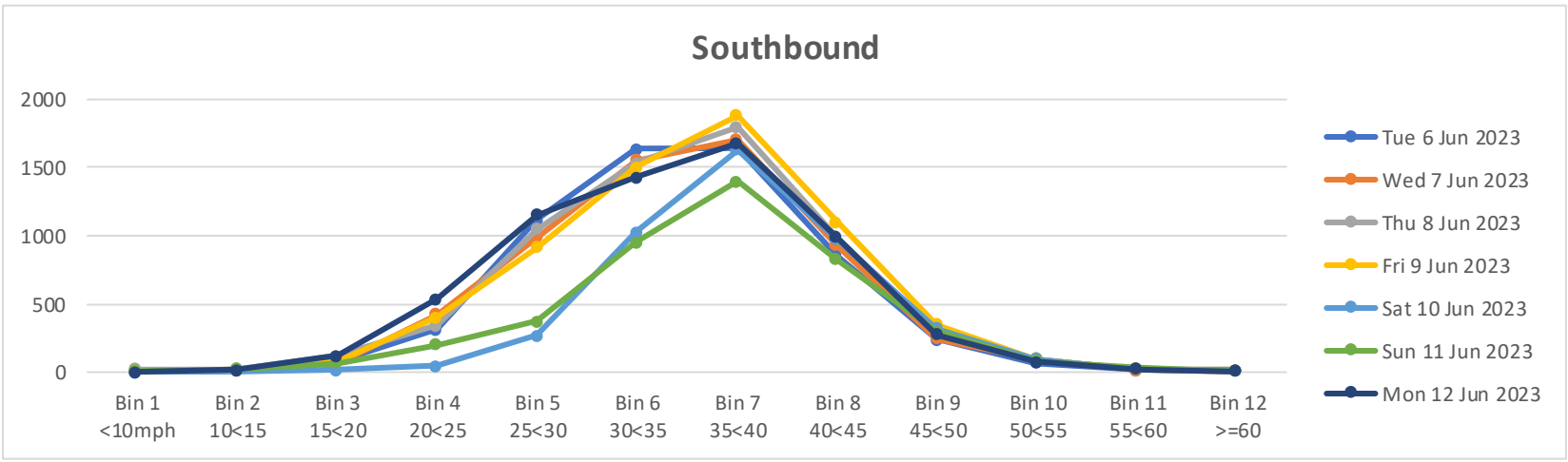


Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	5984	41.7	34.5	6.9	11	15	72	312	1113	1639	1643	853	237	68	15	6
Wed 7 Jun 2023	6051	42.1	34.7	7.2	9	12	64	423	993	1554	1704	930	247	89	15	11
Thu 8 Jun 2023	6298	42.5	34.8	7.4	25	20	116	344	1048	1536	1798	991	291	96	23	10
Fri 9 Jun 2023	6372	43.0	35.4	7.3	7	6	71	402	915	1505	1881	1102	349	95	24	15
Sat 10 Jun 2023	4430	44.3	37.8	6.3	1	7	12	48	271	1030	1628	972	322	98	26	15
Sun 11 Jun 2023	4269	44.2	36.5	7.4	8	24	64	199	373	954	1402	824	300	84	28	9
Mon 12 Jun 2023	6313	42.1	34.3	7.5	2	12	123	539	1151	1432	1679	991	274	78	24	8
5 Day Ave.	6204	42.3	34.8	7.2	11	13	89	404	1044	1533	1741	973	280	85	20	10
7 Day Ave.	5674	42.8	35.4	7.1	9	14	75	324	838	1379	1676	952	289	87	22	11

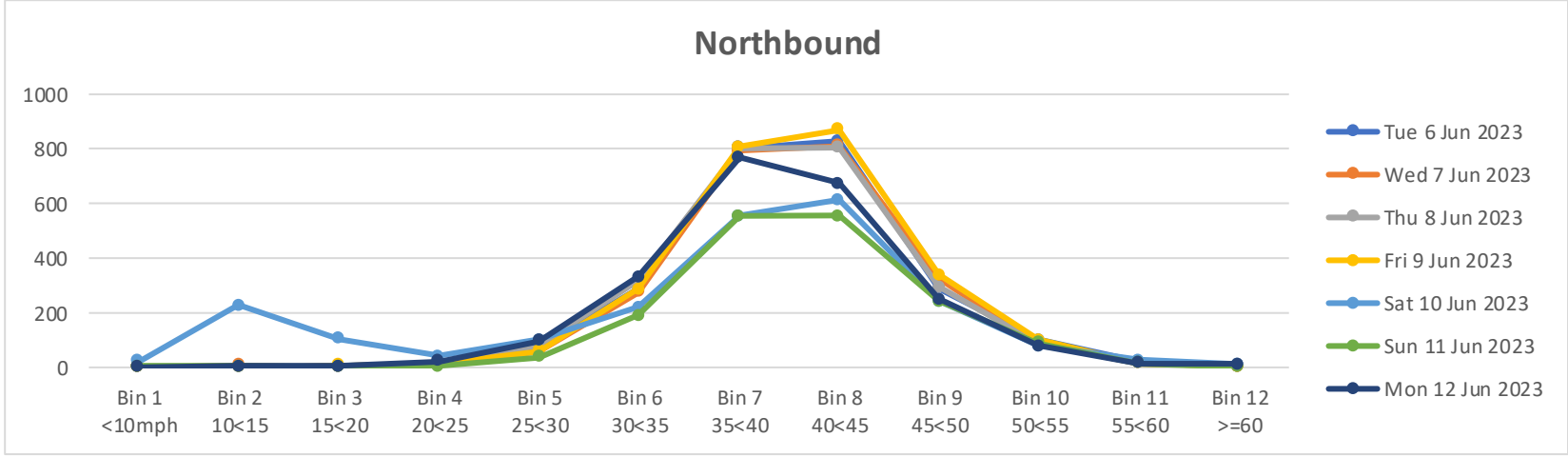
Paul Castle Associates



Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	2422	46.3	40.2	5.9	0	1	3	13	74	287	803	829	291	99	19	3
Wed 7 Jun 2023	2382	46.4	40.3	5.9	1	7	1	12	57	274	791	810	323	88	14	4
Thu 8 Jun 2023	2430	46.2	40.0	6.0	0	1	3	14	81	316	803	805	294	89	17	7
Fri 9 Jun 2023	2501	46.5	40.4	5.8	0	0	9	10	59	288	806	869	340	101	14	5
Sat 10 Jun 2023	2240	47.8	35.9	11.5	21	227	105	43	101	219	553	614	243	77	25	12
Sun 11 Jun 2023	1700	47.0	40.6	6.2	3	5	2	5	37	190	555	553	243	90	15	2
Mon 12 Jun 2023	2256	46.1	39.5	6.4	0	3	5	21	98	332	769	674	249	78	16	11
5 Day Ave.	2398	46.3	40.1	6.0	0	2	4	14	74	299	794	797	299	91	16	6
7 Day Ave.	2276	46.6	39.6	6.8	4	35	18	17	72	272	726	736	283	89	17	6

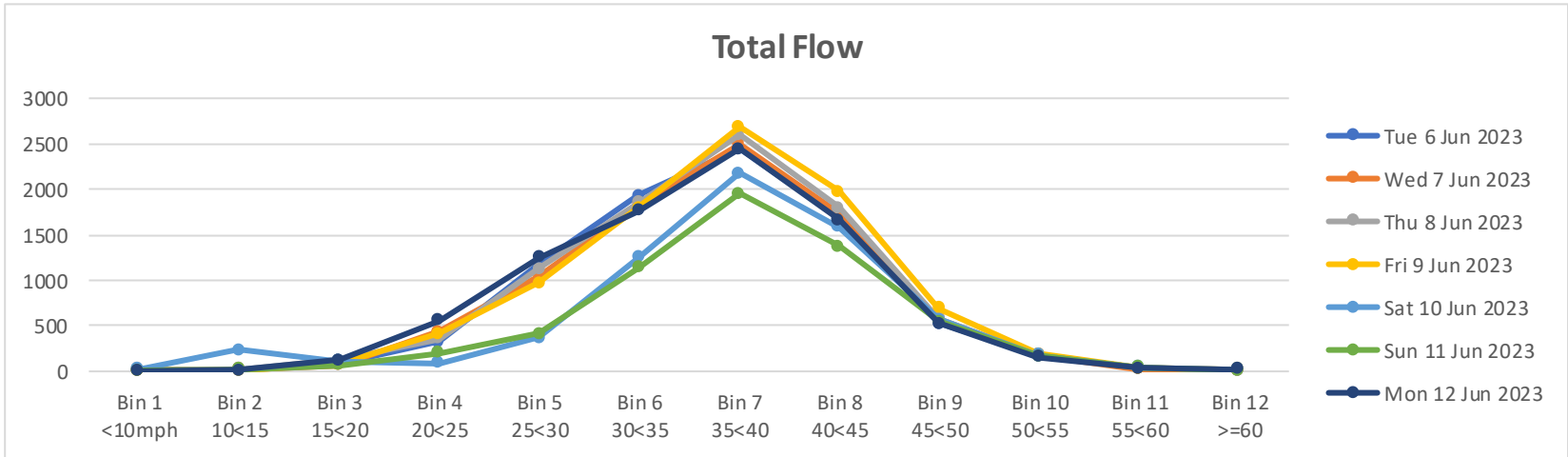
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	8406	43.5	36.1	7.1	11	16	75	325	1187	1926	2446	1682	528	167	34	9
Wed 7 Jun 2023	8433	43.8	36.3	7.3	10	19	65	435	1050	1828	2495	1740	570	177	29	15
Thu 8 Jun 2023	8728	44.0	36.3	7.4	25	21	119	358	1129	1852	2601	1796	585	185	40	17
Fri 9 Jun 2023	8873	44.3	36.8	7.2	7	6	80	412	974	1793	2687	1971	689	196	38	20
Sat 10 Jun 2023	6670	45.9	37.2	8.5	22	234	117	91	372	1249	2181	1586	565	175	51	27
Sun 11 Jun 2023	5969	45.3	37.6	7.4	11	29	66	204	410	1144	1957	1377	543	174	43	11
Mon 12 Jun 2023	8569	43.5	35.7	7.6	2	15	128	560	1249	1764	2448	1665	523	156	40	19
5 Day Ave.	8602	43.8	36.2	7.3	11	15	93	418	1118	1833	2535	1771	579	176	36	16
7 Day Ave.	7950	44.3	36.6	7.5	13	49	93	341	910	1651	2402	1688	572	176	39	17

Paul Castle Associates



Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	698	39.5	33.0	6.3	0	2	11	39	172	225	173	52	20	2	2	0
Wed 7 Jun 2023	787	40.0	32.9	6.8	0	1	11	85	172	222	188	82	18	6	1	1
Thu 8 Jun 2023	733	39.9	33.2	6.5	2	0	18	41	172	206	197	77	17	3	0	0
Fri 9 Jun 2023	818	41.0	33.9	6.8	0	1	8	71	158	203	235	107	29	4	2	0
Sat 10 Jun 2023	832	43.2	37.2	5.9	0	1	2	13	58	206	311	186	44	6	2	3
Sun 11 Jun 2023	763	42.8	36.2	6.4	2	2	6	18	66	226	258	128	46	8	3	0
Mon 12 Jun 2023	784	40.5	33.4	6.8	0	2	14	58	182	203	194	101	25	3	2	0
5 Day Ave.	764	40.2	33.3	6.6	0	1	12	59	171	212	197	84	22	4	1	0
7 Day Ave.	774	41.0	34.2	6.5	1	1	10	46	140	213	222	105	28	5	2	1

Paul Castle Associates

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	260	42.6	37.3	5.1	0	1	0	3	18	50	107	76	4	1	0	0
Wed 7 Jun 2023	303	43.7	38.5	5.1	0	0	0	2	6	60	131	80	18	4	2	0
Thu 8 Jun 2023	249	42.4	37.1	5.1	0	1	0	3	18	44	112	67	3	1	0	0
Fri 9 Jun 2023	299	43.2	38.5	4.5	0	0	0	1	5	52	140	81	17	3	0	0
Sat 10 Jun 2023	356	47.9	39.3	8.3	0	12	1	5	14	42	100	117	43	15	5	2
Sun 11 Jun 2023	296	47.0	40.1	6.6	2	0	0	1	9	43	94	86	42	17	2	0
Mon 12 Jun 2023	263	42.5	37.3	5.1	0	1	0	2	16	54	114	70	4	1	1	0
5 Day Ave.	275	42.9	37.7	5.0	0	1	0	2	13	52	121	75	9	2	1	0
7 Day Ave.	289	44.2	38.3	5.7	0	2	0	2	12	49	114	82	19	6	1	0

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	958	40.6	34.1	6.3	0	3	11	42	190	275	280	128	24	3	2	0
Wed 7 Jun 2023	1090	41.5	34.4	6.9	0	1	11	87	178	282	319	162	36	10	3	1
Thu 8 Jun 2023	982	40.8	34.2	6.4	2	1	18	44	190	250	309	144	20	4	0	0
Fri 9 Jun 2023	1117	42.0	35.1	6.6	0	1	8	72	163	255	375	188	46	7	2	0
Sat 10 Jun 2023	1188	44.8	37.8	6.8	0	13	3	18	72	248	411	303	87	21	7	5
Sun 11 Jun 2023	1059	44.2	37.3	6.7	4	2	6	19	75	269	352	214	88	25	5	0
Mon 12 Jun 2023	1047	41.3	34.4	6.7	0	3	14	60	198	257	308	171	29	4	3	0
5 Day Ave.	1039	41.2	34.5	6.6	0	2	12	61	184	264	318	159	31	6	2	0
7 Day Ave.	1063	42.2	35.3	6.6	1	3	10	49	152	262	336	187	47	11	3	1

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	806	40.8	33.9	6.7	3	0	14	38	160	260	192	108	20	11	0	0
Wed 7 Jun 2023	786	41.7	34.5	7.0	2	2	2	65	128	196	239	117	23	7	4	1
Thu 8 Jun 2023	848	42.4	34.4	7.8	8	7	22	55	117	200	264	132	31	7	4	1
Fri 9 Jun 2023	965	42.4	35.4	6.8	2	1	12	33	140	256	301	168	40	7	1	4
Sat 10 Jun 2023	606	43.0	37.2	5.6	0	0	1	1	48	158	233	118	34	11	2	0
Sun 11 Jun 2023	662	43.8	36.0	7.6	2	3	18	38	53	142	223	124	48	7	3	1
Mon 12 Jun 2023	851	41.1	33.2	7.6	1	1	35	86	168	201	203	118	27	8	3	0
5 Day Ave.	851	41.7	34.3	7.2	3	2	17	55	143	223	240	129	28	8	2	1
7 Day Ave.	789	42.2	34.9	7.0	3	2	15	45	116	202	236	126	32	8	2	1

Paul Castle Associates

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	402	45.5	39.9	5.3	0	0	1	0	8	56	143	131	50	13	0	0
Wed 7 Jun 2023	367	44.9	38.4	6.2	1	5	0	3	17	47	147	110	33	4	0	0
Thu 8 Jun 2023	408	45.0	39.5	5.3	0	0	1	0	10	66	145	131	44	11	0	0
Fri 9 Jun 2023	391	45.2	38.8	6.1	0	0	0	8	18	62	143	119	27	10	2	2
Sat 10 Jun 2023	479	40.7	28.0	12.3	5	114	62	21	41	52	87	69	22	5	1	0
Sun 11 Jun 2023	346	45.5	40.0	5.3	0	0	0	2	4	47	123	121	34	14	1	0
Mon 12 Jun 2023	340	44.5	38.1	6.1	0	0	1	3	26	63	124	85	30	5	3	0
5 Day Ave.	382	45.0	38.9	5.8	0	1	1	3	16	59	140	115	37	9	1	0
7 Day Ave.	390	44.5	37.5	6.7	1	17	9	5	18	56	130	109	34	9	1	0

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	1208	43.0	35.9	6.9	3	0	15	38	168	316	335	239	70	24	0	0
Wed 7 Jun 2023	1153	43.0	35.7	7.0	3	7	2	68	145	243	386	227	56	11	4	1
Thu 8 Jun 2023	1256	43.8	36.0	7.5	8	7	23	55	127	266	409	263	75	18	4	1
Fri 9 Jun 2023	1356	43.4	36.4	6.8	2	1	12	41	158	318	444	287	67	17	3	6
Sat 10 Jun 2023	1085	43.8	33.1	10.3	5	114	63	22	89	210	320	187	56	16	3	0
Sun 11 Jun 2023	1008	44.8	37.4	7.2	2	3	18	40	57	189	346	245	82	21	4	1
Mon 12 Jun 2023	1191	42.4	34.6	7.6	1	1	36	89	194	264	327	203	57	13	6	0
5 Day Ave.	1233	43.1	35.7	7.1	3	3	18	58	158	281	380	244	65	17	3	2
7 Day Ave.	1180	43.4	35.6	7.6	3	19	24	50	134	258	367	236	66	17	3	1

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

Direction: Northbound

Direction: Total Flow

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	10	1	1	0
01:00	6	6	0	0	0
02:00	9	7	2	0	0
03:00	12	6	2	4	0
04:00	48	33	9	5	1
05:00	183	159	16	8	0
06:00	311	229	59	20	3
07:00	650	536	94	19	1
08:00	516	412	82	19	3
09:00	351	245	80	22	4
10:00	330	231	75	18	6
11:00	368	253	84	19	12
12:00	325	241	65	17	2
13:00	383	256	90	25	12
14:00	352	251	75	21	5
15:00	454	331	89	29	5
16:00	502	408	78	11	5
17:00	502	440	50	10	2
18:00	244	215	25	3	1
19:00	158	133	24	1	0
20:00	106	92	13	0	1
21:00	81	73	7	0	1
22:00	44	35	7	1	1
23:00	37	29	5	1	2
Total					
12H(7-19)	4977	3819	887	213	58
16H(6-22)	5633	4346	990	234	63
18H(6-24)	5714	4410	1002	236	66
24H(0-24)	5984	4631	1032	254	67
AM Peak	07:00 650	07:00 536	07:00 94	09:00 22	11:00 12
PM Peak	16:00 502	17:00 440	13:00 90	15:00 29	13:00 12

Paul Castle Associates

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	1	1	0	0
01:00	1	0	1	0	0
02:00	0	0	0	0	0
03:00	2	0	2	0	0
04:00	9	8	0	0	1
05:00	41	39	2	0	0
06:00	62	53	6	1	2
07:00	170	128	29	9	4
08:00	176	146	25	4	1
09:00	122	101	19	2	0
10:00	117	93	21	2	1
11:00	143	113	21	8	1
12:00	150	125	23	2	0
13:00	156	129	21	5	1
14:00	190	147	28	12	3
15:00	212	170	23	18	1
16:00	247	214	22	11	0
17:00	216	194	17	4	1
18:00	173	168	5	0	0
19:00	95	90	4	1	0
20:00	68	54	13	0	1
21:00	36	32	3	0	1
22:00	24	22	1	0	1
23:00	10	8	1	0	1
Total					
12H(7-19)	2072	1728	254	77	13
16H(6-22)	2333	1957	280	79	17
18H(6-24)	2367	1987	282	79	19
24H(0-24)	2422	2035	288	79	20
AM Peak	08:00 176	08:00 146	07:00 29	07:00 9	07:00 4
PM Peak	16:00 247	16:00 214	14:00 28	15:00 18	14:00 3

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Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	11	2	1	0
01:00	7	6	1	0	0
02:00	9	7	2	0	0
03:00	14	6	4	4	0
04:00	57	41	9	5	2
05:00	224	198	18	8	0
06:00	373	282	65	21	5
07:00	820	664	123	28	5
08:00	692	558	107	23	4
09:00	473	346	99	24	4
10:00	447	324	96	20	7
11:00	511	366	105	27	13
12:00	475	366	88	19	2
13:00	539	385	111	30	13
14:00	542	398	103	33	8
15:00	666	501	112	47	6
16:00	749	622	100	22	5
17:00	718	634	67	14	3
18:00	417	383	30	3	1
19:00	253	223	28	2	0
20:00	174	146	26	0	2
21:00	117	105	10	0	2
22:00	68	57	8	1	2
23:00	47	37	6	1	3
Total					
12H(7-19)	7049	5547	1141	290	71
16H(6-22)	7966	6303	1270	313	80
18H(6-24)	8081	6397	1284	315	85
24H(0-24)	8406	6666	1320	333	87
AM Peak	07:00 820	07:00 664	07:00 123	07:00 28	11:00 13
PM Peak	16:00 749	17:00 634	15:00 112	15:00 47	13:00 13

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	9	2	0	0
01:00	9	7	1	0	1
02:00	7	5	1	0	1
03:00	24	21	1	2	0
04:00	66	60	3	3	0
05:00	176	154	10	9	3
06:00	319	236	61	17	5
07:00	660	541	102	12	5
08:00	515	412	82	12	9
09:00	344	247	74	21	2
10:00	391	274	82	29	6
11:00	396	297	76	17	6
12:00	350	244	72	25	9
13:00	346	245	75	22	4
14:00	373	263	85	21	4
15:00	413	309	80	21	3
16:00	454	368	62	20	4
17:00	474	409	53	9	3
18:00	303	251	45	7	0
19:00	169	141	22	4	2
20:00	116	99	16	0	1
21:00	58	49	8	0	1
22:00	47	41	5	0	1
23:00	30	24	3	2	1
Total					
12H(7-19)	5019	3860	888	216	55
16H(6-22)	5681	4385	995	237	64
18H(6-24)	5758	4450	1003	239	66
24H(0-24)	6051	4706	1021	253	71
AM Peak	07:00 660	07:00 541	07:00 102	10:00 29	08:00 9
PM Peak	17:00 474	17:00 409	14:00 85	12:00 25	12:00 9

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	1	0	1	0	0
02:00	0	0	0	0	0
03:00	2	2	0	0	0
04:00	14	12	2	0	0
05:00	42	35	6	1	0
06:00	50	39	9	2	0
07:00	186	164	16	6	0
08:00	181	153	20	4	4
09:00	142	110	28	3	1
10:00	150	128	20	2	0
11:00	153	123	24	5	1
12:00	134	109	17	5	3
13:00	112	84	24	4	0
14:00	199	159	34	3	3
15:00	168	135	26	7	0
16:00	228	200	20	7	1
17:00	224	195	25	3	1
18:00	135	123	11	1	0
19:00	122	111	10	1	0
20:00	59	52	6	0	1
21:00	36	30	5	0	1
22:00	29	27	1	0	1
23:00	13	10	1	1	1
Total					
12H(7-19)	2012	1683	265	50	14
16H(6-22)	2279	1915	295	53	16
18H(6-24)	2321	1952	297	54	18
24H(0-24)	2382	2003	306	55	18
AM Peak	07:00 186	07:00 164	09:00 28	07:00 6	08:00 4
PM Peak	16:00 228	16:00 200	14:00 34	15:00 7	12:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	11	2	0	0
01:00	10	7	2	0	1
02:00	7	5	1	0	1
03:00	26	23	1	2	0
04:00	80	72	5	3	0
05:00	218	189	16	10	3
06:00	369	275	70	19	5
07:00	846	705	118	18	5
08:00	696	565	102	16	13
09:00	486	357	102	24	3
10:00	541	402	102	31	6
11:00	549	420	100	22	7
12:00	484	353	89	30	12
13:00	458	329	99	26	4
14:00	572	422	119	24	7
15:00	581	444	106	28	3
16:00	682	568	82	27	5
17:00	698	604	78	12	4
18:00	438	374	56	8	0
19:00	291	252	32	5	2
20:00	175	151	22	0	2
21:00	94	79	13	0	2
22:00	76	68	6	0	2
23:00	43	34	4	3	2
Total					
12H(7-19)	7031	5543	1153	266	69
16H(6-22)	7960	6300	1290	290	80
18H(6-24)	8079	6402	1300	293	84
24H(0-24)	8433	6709	1327	308	89
AM Peak	07:00 846	07:00 705	07:00 118	10:00 31	08:00 13
PM Peak	17:00 698	17:00 604	14:00 119	12:00 30	12:00 12

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound					
08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	10	2	0	0
01:00	12	12	0	0	0
02:00	11	10	1	0	0
03:00	21	19	0	2	0
04:00	41	30	5	6	0
05:00	138	118	15	5	0
06:00	306	225	54	25	2
07:00	667	536	109	18	4
08:00	485	373	88	21	3
09:00	378	274	80	20	4
10:00	346	250	66	24	6
11:00	387	278	74	26	9
12:00	383	262	81	32	8
13:00	329	224	80	22	3
14:00	402	253	114	30	5
15:00	446	332	92	15	7
16:00	568	445	105	14	4
17:00	556	467	71	13	5
18:00	323	268	46	7	2
19:00	195	165	26	2	2
20:00	115	89	19	4	3
21:00	102	81	17	3	1
22:00	50	41	8	0	1
23:00	25	19	3	1	2
Total					
12H(7-19)	5270	3962	1006	242	60
16H(6-22)	5988	4522	1122	276	68
18H(6-24)	6063	4582	1133	277	71
24H(0-24)	6298	4781	1156	290	71
AM Peak	07:00 667	07:00 536	07:00 109	11:00 26	11:00 9
PM Peak	16:00 568	17:00 467	14:00 114	12:00 32	12:00 8

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	3	3	0	0	0
04:00	6	5	1	0	0
05:00	37	34	3	0	0
06:00	65	57	6	2	0
07:00	170	127	28	9	6
08:00	193	158	30	3	2
09:00	124	107	15	2	0
10:00	109	89	17	2	1
11:00	140	110	23	6	1
12:00	155	131	22	2	0
13:00	149	122	21	5	1
14:00	185	138	31	14	2
15:00	223	184	22	16	1
16:00	237	202	27	8	0
17:00	218	199	15	3	1
18:00	169	159	10	0	0
19:00	104	96	7	1	0
20:00	61	51	9	0	1
21:00	39	34	4	0	1
22:00	25	23	1	0	1
23:00	11	9	1	0	1
Total					
12H(7-19)	2072	1726	261	70	15
16H(6-22)	2341	1964	287	73	17
18H(6-24)	2377	1996	289	73	19
24H(0-24)	2430	2045	293	73	19
AM Peak	08:00 193	08:00 158	08:00 30	07:00 9	07:00 6
PM Peak	16:00 237	16:00 202	14:00 31	15:00 16	14:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	16	14	2	0	0
01:00	14	14	0	0	0
02:00	12	11	1	0	0
03:00	24	22	0	2	0
04:00	47	35	6	6	0
05:00	175	152	18	5	0
06:00	371	282	60	27	2
07:00	837	663	137	27	10
08:00	678	531	118	24	5
09:00	502	381	95	22	4
10:00	455	339	83	26	7
11:00	527	388	97	32	10
12:00	538	393	103	34	8
13:00	478	346	101	27	4
14:00	587	391	145	44	7
15:00	669	516	114	31	8
16:00	805	647	132	22	4
17:00	774	666	86	16	6
18:00	492	427	56	7	2
19:00	299	261	33	3	2
20:00	176	140	28	4	4
21:00	141	115	21	3	2
22:00	75	64	9	0	2
23:00	36	28	4	1	3
Total					
12H(7-19)	7342	5688	1267	312	75
16H(6-22)	8329	6486	1409	349	85
18H(6-24)	8440	6578	1422	350	90
24H(0-24)	8728	6826	1449	363	90
AM Peak	07:00 837	07:00 663	07:00 137	11:00 32	07:00 10
PM Peak	16:00 805	17:00 666	14:00 145	14:00 44	12:00 8

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound					
09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	8	4	0	0
01:00	6	4	2	0	0
02:00	8	5	3	0	0
03:00	7	6	0	1	0
04:00	60	50	1	9	0
05:00	161	132	15	13	1
06:00	265	165	72	23	5
07:00	654	500	117	31	6
08:00	486	357	102	22	5
09:00	354	265	66	19	4
10:00	406	295	86	16	9
11:00	412	311	78	15	8
12:00	391	269	91	22	9
13:00	426	299	96	24	7
14:00	441	311	97	30	3
15:00	524	428	81	12	3
16:00	498	420	65	10	3
17:00	475	401	65	3	6
18:00	310	252	54	2	2
19:00	191	164	24	1	2
20:00	96	80	13	0	3
21:00	96	85	10	0	1
22:00	59	57	1	0	1
23:00	34	27	5	1	1
Total					
12H(7-19)	5377	4108	998	206	65
16H(6-22)	6025	4602	1117	230	76
18H(6-24)	6118	4686	1123	231	78
24H(0-24)	6372	4891	1148	254	79
AM Peak	07:00 654	07:00 500	07:00 117	07:00 31	10:00 9
PM Peak	15:00 524	15:00 428	14:00 97	14:00 30	12:00 9

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	0	0	0	0	0
02:00	1	0	1	0	0
03:00	2	1	1	0	0
04:00	9	7	2	0	0
05:00	38	33	5	0	0
06:00	64	50	11	1	2
07:00	167	133	24	7	3
08:00	187	162	17	5	3
09:00	149	113	31	4	1
10:00	151	130	20	1	0
11:00	148	123	21	3	1
12:00	147	129	14	3	1
13:00	193	166	23	4	0
14:00	181	154	25	2	0
15:00	210	177	27	5	1
16:00	271	238	24	8	1
17:00	196	167	25	3	1
18:00	144	130	14	0	0
19:00	87	81	6	0	0
20:00	67	62	3	0	2
21:00	47	42	4	0	1
22:00	25	22	2	0	1
23:00	12	11	0	0	1
Total					
12H(7-19)	2144	1822	265	45	12
16H(6-22)	2409	2057	289	46	17
18H(6-24)	2446	2090	291	46	19
24H(0-24)	2501	2136	300	46	19
AM Peak	08:00 187	08:00 162	09:00 31	07:00 7	07:00 3
PM Peak	16:00 271	16:00 238	15:00 27	16:00 8	20:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	13	4	0	0
01:00	6	4	2	0	0
02:00	9	5	4	0	0
03:00	9	7	1	1	0
04:00	69	57	3	9	0
05:00	199	165	20	13	1
06:00	329	215	83	24	7
07:00	821	633	141	38	9
08:00	673	519	119	27	8
09:00	503	378	97	23	5
10:00	557	425	106	17	9
11:00	560	434	99	18	9
12:00	538	398	105	25	10
13:00	619	465	119	28	7
14:00	622	465	122	32	3
15:00	734	605	108	17	4
16:00	769	658	89	18	4
17:00	671	568	90	6	7
18:00	454	382	68	2	2
19:00	278	245	30	1	2
20:00	163	142	16	0	5
21:00	143	127	14	0	2
22:00	84	79	3	0	2
23:00	46	38	5	1	2
Total					
12H(7-19)	7521	5930	1263	251	77
16H(6-22)	8434	6659	1406	276	93
18H(6-24)	8564	6776	1414	277	97
24H(0-24)	8873	7027	1448	300	98
AM Peak	07:00 821	07:00 633	07:00 141	07:00 38	07:00 9
PM Peak	16:00 769	16:00 658	14:00 122	14:00 32	12:00 10

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound					
10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	21	20	1	0	0
01:00	5	3	2	0	0
02:00	9	9	0	0	0
03:00	6	5	1	0	0
04:00	16	15	1	0	0
05:00	38	31	6	1	0
06:00	87	65	20	1	1
07:00	227	164	58	5	0
08:00	266	221	43	2	0
09:00	346	294	46	3	3
10:00	404	349	49	3	3
11:00	428	388	38	1	1
12:00	413	361	49	2	1
13:00	349	308	38	1	2
14:00	329	287	39	1	2
15:00	277	244	30	0	3
16:00	261	235	25	0	1
17:00	301	262	37	2	0
18:00	210	183	23	1	3
19:00	159	142	16	1	0
20:00	99	85	12	1	1
21:00	82	70	11	0	1
22:00	66	60	4	0	2
23:00	31	28	3	0	0
Total					
12H(7-19)	3811	3296	475	21	19
16H(6-22)	4238	3658	534	24	22
18H(6-24)	4335	3746	541	24	24
24H(0-24)	4430	3829	552	25	24
AM Peak	11:00 428	11:00 388	07:00 58	07:00 5	09:00 3
PM Peak	12:00 413	12:00 361	12:00 49	12:00 2	15:00 3

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	5	2	0	0
01:00	5	4	1	0	0
02:00	0	0	0	0	0
03:00	2	2	0	0	0
04:00	6	6	0	0	0
05:00	18	14	4	0	0
06:00	23	15	5	3	0
07:00	67	53	11	3	0
08:00	122	107	11	4	0
09:00	142	127	11	4	0
10:00	187	164	21	2	0
11:00	169	150	18	1	0
12:00	206	188	15	3	0
13:00	199	191	8	0	0
14:00	239	229	6	4	0
15:00	240	228	10	1	1
16:00	181	169	11	1	0
17:00	128	120	8	0	0
18:00	83	81	2	0	0
19:00	55	49	6	0	0
20:00	64	60	3	0	1
21:00	46	44	1	0	1
22:00	33	30	2	0	1
23:00	18	16	1	0	1
Total					
12H(7-19)	1963	1807	132	23	1
16H(6-22)	2151	1975	147	26	3
18H(6-24)	2202	2021	150	26	5
24H(0-24)	2240	2052	157	26	5
AM Peak	10:00 187	10:00 164	10:00 21	08:00 4	00:00 0
PM Peak	15:00 240	14:00 229	12:00 15	14:00 4	15:00 1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	28	25	3	0	0
01:00	10	7	3	0	0
02:00	9	9	0	0	0
03:00	8	7	1	0	0
04:00	22	21	1	0	0
05:00	56	45	10	1	0
06:00	110	80	25	4	1
07:00	294	217	69	8	0
08:00	388	328	54	6	0
09:00	488	421	57	7	3
10:00	591	513	70	5	3
11:00	597	538	56	2	1
12:00	619	549	64	5	1
13:00	548	499	46	1	2
14:00	568	516	45	5	2
15:00	517	472	40	1	4
16:00	442	404	36	1	1
17:00	429	382	45	2	0
18:00	293	264	25	1	3
19:00	214	191	22	1	0
20:00	163	145	15	1	2
21:00	128	114	12	0	2
22:00	99	90	6	0	3
23:00	49	44	4	0	1
Total					
12H(7-19)	5774	5103	607	44	20
16H(6-22)	6389	5633	681	50	25
18H(6-24)	6537	5767	691	50	29
24H(0-24)	6670	5881	709	51	29
AM Peak	11:00 597	11:00 538	10:00 70	07:00 8	09:00 3
PM Peak	12:00 619	12:00 549	12:00 64	12:00 5	15:00 4

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound					
11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	23	21	1	1	0
01:00	10	8	2	0	0
02:00	11	9	2	0	0
03:00	9	7	2	0	0
04:00	15	14	1	0	0
05:00	36	31	4	1	0
06:00	75	63	9	3	0
07:00	164	127	34	1	2
08:00	154	129	24	0	1
09:00	275	243	29	2	1
10:00	387	344	39	3	1
11:00	376	322	50	1	3
12:00	399	356	35	2	6
13:00	400	358	32	8	2
14:00	357	310	40	3	4
15:00	305	278	25	1	1
16:00	322	271	42	4	5
17:00	277	227	43	3	4
18:00	241	201	36	0	4
19:00	181	160	16	1	4
20:00	122	99	19	2	2
21:00	72	56	14	0	2
22:00	34	27	6	0	1
23:00	24	21	2	0	1
Total					
12H(7-19)	3657	3166	429	28	34
16H(6-22)	4107	3544	487	34	42
18H(6-24)	4165	3592	495	34	44
24H(0-24)	4269	3682	507	36	44
AM Peak	10:00 387	10:00 344	11:00 50	06:00 3	11:00 3
PM Peak	13:00 400	13:00 358	17:00 43	13:00 8	12:00 6

Paul Castle Associates

Direction: Northbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	12	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	3	3	0	0	0
04:00	4	4	0	0	0
05:00	11	10	1	0	0
06:00	17	17	0	0	0
07:00	33	31	1	0	1
08:00	45	40	5	0	0
09:00	108	98	10	0	0
10:00	136	128	8	0	0
11:00	160	145	9	5	1
12:00	155	143	11	0	1
13:00	157	140	15	1	1
14:00	170	160	9	0	1
15:00	176	163	12	0	1
16:00	122	114	7	0	1
17:00	106	101	4	0	1
18:00	87	77	8	0	2
19:00	63	60	2	0	1
20:00	53	49	2	0	2
21:00	42	37	4	0	1
22:00	30	26	3	0	1
23:00	7	6	0	0	1
Total					
12H(7-19)	1455	1340	99	6	10
16H(6-22)	1630	1503	107	6	14
18H(6-24)	1667	1535	110	6	16
24H(0-24)	1700	1567	111	6	16
AM Peak	11:00 160	11:00 145	09:00 10	11:00 5	07:00 1
PM Peak	15:00 176	15:00 163	13:00 15	13:00 1	18:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	35	33	1	1	0
01:00	12	10	2	0	0
02:00	12	10	2	0	0
03:00	12	10	2	0	0
04:00	19	18	1	0	0
05:00	47	41	5	1	0
06:00	92	80	9	3	0
07:00	197	158	35	1	3
08:00	199	169	29	0	1
09:00	383	341	39	2	1
10:00	523	472	47	3	1
11:00	536	467	59	6	4
12:00	554	499	46	2	7
13:00	557	498	47	9	3
14:00	527	470	49	3	5
15:00	481	441	37	1	2
16:00	444	385	49	4	6
17:00	383	328	47	3	5
18:00	328	278	44	0	6
19:00	244	220	18	1	5
20:00	175	148	21	2	4
21:00	114	93	18	0	3
22:00	64	53	9	0	2
23:00	31	27	2	0	2
Total					
12H(7-19)	5112	4506	528	34	44
16H(6-22)	5737	5047	594	40	56
18H(6-24)	5832	5127	605	40	60
24H(0-24)	5969	5249	618	42	60
AM Peak	11:00 536	10:00 472	11:00 59	11:00 6	11:00 4
PM Peak	13:00 557	12:00 499	14:00 49	13:00 9	12:00 7

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

12/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	10	2	1	0
01:00	11	7	4	0	0
02:00	10	9	1	0	0
03:00	14	7	2	5	0
04:00	67	38	8	21	0
05:00	161	116	22	20	3
06:00	325	214	72	36	3
07:00	675	528	113	27	7
08:00	488	365	103	18	2
09:00	428	292	94	34	8
10:00	385	256	88	33	8
11:00	399	266	89	37	7
12:00	363	232	91	34	6
13:00	391	254	106	26	5
14:00	399	258	101	33	7
15:00	452	318	96	32	6
16:00	542	427	95	15	5
17:00	516	410	87	18	1
18:00	276	232	36	6	2
19:00	167	137	24	5	1
20:00	84	63	17	3	1
21:00	76	64	11	0	1
22:00	40	34	3	2	1
23:00	31	26	4	0	1
Total					
12H(7-19)	5314	3838	1099	313	64
16H(6-22)	5966	4316	1223	357	70
18H(6-24)	6037	4376	1230	359	72
24H(0-24)	6313	4563	1269	406	75
AM Peak	07:00 675	07:00 528	07:00 113	11:00 37	09:00 8
PM Peak	16:00 542	16:00 427	13:00 106	12:00 34	14:00 7

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	3	3	0	0	0
02:00	1	1	0	0	0
03:00	2	2	0	0	0
04:00	4	4	0	0	0
05:00	35	31	4	0	0
06:00	62	53	7	2	0
07:00	173	133	28	8	4
08:00	185	151	27	3	4
09:00	130	114	14	2	0
10:00	115	99	13	2	1
11:00	148	119	24	4	1
12:00	169	141	25	3	0
13:00	147	117	24	5	1
14:00	181	150	24	7	0
15:00	159	136	16	6	1
16:00	245	222	15	8	0
17:00	188	170	16	0	2
18:00	113	103	10	0	0
19:00	64	56	7	1	0
20:00	62	54	7	0	1
21:00	40	36	3	0	1
22:00	19	16	2	0	1
23:00	7	5	1	0	1
Total					
12H(7-19)	1953	1655	236	48	14
16H(6-22)	2181	1854	260	51	16
18H(6-24)	2207	1875	263	51	18
24H(0-24)	2256	1920	267	51	18
AM Peak	08:00 185	08:00 151	07:00 28	07:00 8	07:00 4
PM Peak	16:00 245	16:00 222	12:00 25	16:00 8	17:00 2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	14	2	1	0
01:00	14	10	4	0	0
02:00	11	10	1	0	0
03:00	16	9	2	5	0
04:00	71	42	8	21	0
05:00	196	147	26	20	3
06:00	387	267	79	38	3
07:00	848	661	141	35	11
08:00	673	516	130	21	6
09:00	558	406	108	36	8
10:00	500	355	101	35	9
11:00	547	385	113	41	8
12:00	532	373	116	37	6
13:00	538	371	130	31	6
14:00	580	408	125	40	7
15:00	611	454	112	38	7
16:00	787	649	110	23	5
17:00	704	580	103	18	3
18:00	389	335	46	6	2
19:00	231	193	31	6	1
20:00	146	117	24	3	2
21:00	116	100	14	0	2
22:00	59	50	5	2	2
23:00	38	31	5	0	2
Total					
12H(7-19)	7267	5493	1335	361	78
16H(6-22)	8147	6170	1483	408	86
18H(6-24)	8244	6251	1493	410	90
24H(0-24)	8569	6483	1536	457	93
AM Peak	07:00 848	07:00 661	07:00 141	11:00 41	07:00 11
PM Peak	16:00 787	16:00 649	13:00 130	14:00 40	14:00 7

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

06/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	12	47.7	38.3	9.0	0	0	0	1	2	1	1	5	1	1	0	0
01:00	6	43.5	40.8	2.6	0	0	0	0	0	0	2	4	0	0	0	0
02:00	9	46.7	38.6	7.8	0	0	0	1	0	1	3	2	2	0	0	0
03:00	12	44.0	35.0	8.7	0	0	0	1	3	3	2	0	3	0	0	0
04:00	48	42.6	34.9	7.4	0	0	0	3	13	8	11	9	3	1	0	0
05:00	183	42.0	34.7	7.0	0	0	1	10	42	43	42	34	8	2	1	0
06:00	311	40.4	34.0	6.2	0	1	0	21	64	76	107	35	4	2	1	0
07:00	650	39.9	33.1	6.6	2	1	5	56	139	208	142	79	14	2	2	0
08:00	516	40.9	33.7	6.9	2	5	7	29	103	134	155	63	14	4	0	0
09:00	351	40.7	33.3	7.1	0	3	11	23	76	86	93	45	13	1	0	0
10:00	330	39.3	32.8	6.3	0	1	3	19	95	101	72	27	10	1	1	0
11:00	368	39.6	33.1	6.2	0	1	8	20	77	124	101	25	10	1	1	0
12:00	325	40.9	33.9	6.7	2	0	5	18	66	87	93	42	10	2	0	0
13:00	383	40.0	33.3	6.4	2	2	2	15	103	106	97	46	8	2	0	0
14:00	352	41.8	34.5	7.0	1	0	10	12	59	106	96	50	8	10	0	0
15:00	454	39.9	33.4	6.3	2	0	4	26	101	154	96	58	12	1	0	0
16:00	502	42.0	35.3	6.5	0	1	4	29	59	137	166	79	23	3	1	0
17:00	502	42.8	35.8	6.8	0	0	10	18	68	118	155	101	23	9	0	0
18:00	244	46.1	38.3	7.5	0	0	1	6	21	53	69	54	26	9	3	2
19:00	158	45.5	39.5	5.8	0	0	0	0	6	27	57	39	24	4	1	0
20:00	106	45.6	39.2	6.2	0	0	0	0	3	22	40	27	7	4	3	0
21:00	81	48.3	39.8	8.1	0	0	0	1	3	20	25	13	9	7	1	2
22:00	44	43.2	36.3	6.7	0	0	1	2	3	12	12	11	3	0	0	0
23:00	37	47.3	37.1	9.9	0	0	0	1	7	12	6	5	2	2	0	2
Total																
2H(10-12)	698	39.5	33.0	6.3	0	2	11	39	172	225	173	52	20	2	2	0
2H(14-16)	806	40.8	33.9	6.7	3	0	14	38	160	260	192	108	20	11	0	0
12H(7-19)	4977	41.1	34.1	6.8	11	14	70	271	967	1414	1335	669	171	45	8	2
24H(0-24)	5984	41.7	34.5	6.9	11	15	72	312	1113	1639	1643	853	237	68	15	6
AM Peak	07:00	00:00	01:00	00:00	07:00	08:00	09:00	07:00	07:00	07:00	08:00	07:00	07:00	08:00	07:00	00:00
	650	47.7	40.8	9.0	2	5	11	56	139	208	155	79	14	4	2	0
PM Peak	16:00	21:00	21:00	23:00	12:00	13:00	14:00	16:00	13:00	15:00	16:00	17:00	18:00	14:00	18:00	18:00
	502	48.3	39.8	9.9	2	2	10	29	103	154	166	101	26	10	3	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	2	37.5	37.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
01:00	1	-	52.5	-	0	0	0	0	0	0	0	0	0	1	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	2	42.5	42.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
04:00	9	48.5	41.9	6.3	0	0	0	0	0	1	3	2	2	1	0	0
05:00	41	51.2	44.5	6.5	0	0	0	0	0	2	7	15	10	5	1	1
06:00	62	51.1	44.6	6.3	0	0	0	0	1	3	8	22	16	9	3	0
07:00	170	46.3	41.8	4.4	0	0	0	0	1	4	50	89	15	11	0	0
08:00	176	45.9	40.0	5.7	0	0	0	0	7	19	67	56	19	5	3	0
09:00	122	44.2	37.6	6.4	0	0	0	4	11	27	27	46	4	3	0	0
10:00	117	42.6	36.8	5.6	0	1	0	0	13	25	42	34	1	1	0	0
11:00	143	42.5	37.6	4.7	0	0	0	3	5	25	65	42	3	0	0	0
12:00	150	42.3	37.6	4.5	0	0	0	1	5	34	66	39	5	0	0	0
13:00	156	42.6	37.3	5.0	0	0	0	2	12	24	78	31	9	0	0	0
14:00	190	45.9	39.8	5.9	0	0	1	0	4	32	64	56	23	10	0	0
15:00	212	45.0	40.0	4.8	0	0	0	0	4	24	79	75	27	3	0	0
16:00	247	46.1	41.0	4.9	0	0	0	0	1	24	75	106	31	9	1	0
17:00	216	46.9	42.4	4.3	0	0	0	0	2	5	50	101	53	5	0	0
18:00	173	49.0	41.9	6.8	0	0	1	1	3	13	57	44	32	17	5	0
19:00	95	50.3	42.4	7.6	0	0	1	1	0	13	20	26	19	12	2	1
20:00	68	48.7	41.5	6.9	0	0	0	0	2	8	19	22	11	3	2	1
21:00	36	48.6	41.8	6.6	0	0	0	0	2	1	11	13	6	1	2	0
22:00	24	47.2	40.2	6.8	0	0	0	0	1	3	11	3	3	3	0	0
23:00	10	47.9	40.5	7.1	0	0	0	1	0	0	2	5	2	0	0	0
Total																
2H(10-12)	260	42.6	37.3	5.1	0	1	0	3	18	50	107	76	4	1	0	0
2H(14-16)	402	45.5	39.9	5.3	0	0	1	0	8	56	143	131	50	13	0	0
12H(7-19)	2072	45.6	39.8	5.6	0	1	2	11	68	256	720	719	222	64	9	0
24H(0-24)	2422	46.3	40.2	5.9	0	1	3	13	74	287	803	829	291	99	19	3
AM Peak	08:00 176	05:00 51.2	01:00 52.5	05:00 6.5	00:00 0	10:00 1	00:00 0	09:00 4	10:00 13	09:00 27	08:00 67	07:00 89	08:00 19	07:00 11	06:00 3	05:00 1
PM Peak	16:00 247	19:00 50.3	17:00 42.4	19:00 7.6	12:00 0	12:00 0	14:00 1	13:00 2	13:00 12	12:00 34	15:00 79	16:00 106	17:00 53	18:00 17	18:00 5	19:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	14	46.8	38.2	8.3	0	0	0	1	2	1	3	5	1	1	0	0
01:00	7	47.7	42.5	5.0	0	0	0	0	0	0	2	4	0	1	0	0
02:00	9	46.7	38.6	7.8	0	0	0	1	0	1	3	2	2	0	0	0
03:00	14	44.8	36.1	8.4	0	0	0	1	3	3	2	2	3	0	0	0
04:00	57	44.0	36.0	7.7	0	0	0	3	13	9	14	11	5	2	0	0
05:00	224	44.7	36.5	7.9	0	0	1	10	42	45	49	49	18	7	2	1
06:00	373	43.4	35.7	7.4	0	1	0	21	65	79	115	57	20	11	4	0
07:00	820	42.3	34.9	7.1	2	1	5	56	140	212	192	168	29	13	2	0
08:00	692	42.7	35.3	7.1	2	5	7	29	110	153	222	119	33	9	3	0
09:00	473	41.9	34.4	7.2	0	3	11	27	87	113	120	91	17	4	0	0
10:00	447	40.4	33.8	6.4	0	2	3	19	108	126	114	61	11	2	1	0
11:00	511	40.8	34.4	6.2	0	1	8	23	82	149	166	67	13	1	1	0
12:00	475	41.6	35.0	6.4	2	0	5	19	71	121	159	81	15	2	0	0
13:00	539	41.1	34.5	6.3	2	2	2	17	115	130	175	77	17	2	0	0
14:00	542	43.7	36.4	7.1	1	0	11	12	63	138	160	106	31	20	0	0
15:00	666	42.4	35.5	6.7	2	0	4	26	105	178	175	133	39	4	0	0
16:00	749	44.0	37.2	6.6	0	1	4	29	60	161	241	185	54	12	2	0
17:00	718	44.9	37.8	6.9	0	0	10	18	70	123	205	202	76	14	0	0
18:00	417	47.5	39.8	7.4	0	0	2	7	24	66	126	98	58	26	8	2
19:00	253	47.5	40.6	6.7	0	0	1	1	6	40	77	65	43	16	3	1
20:00	174	46.9	40.1	6.5	0	0	0	0	5	30	59	49	18	7	5	1
21:00	117	48.4	40.4	7.7	0	0	0	1	5	21	36	26	15	8	3	2
22:00	68	44.9	37.6	7.0	0	0	1	2	4	15	23	14	6	3	0	0
23:00	47	47.6	37.8	9.4	0	0	0	2	7	12	8	10	4	2	0	2
Total																
2H(10-12)	958	40.6	34.1	6.3	0	3	11	42	190	275	280	128	24	3	2	0
2H(14-16)	1208	43.0	35.9	6.9	3	0	15	38	168	316	335	239	70	24	0	0
12H(7-19)	7049	43.0	35.8	7.0	11	15	72	282	1035	1670	2055	1388	393	109	17	2
24H(0-24)	8406	43.5	36.1	7.1	11	16	75	325	1187	1926	2446	1682	528	167	34	9
AM Peak	07:00 820	01:00 47.7	01:00 42.5	03:00 8.4	07:00 2	08:00 5	09:00 11	07:00 56	07:00 140	07:00 212	08:00 222	07:00 168	08:00 33	07:00 13	06:00 4	05:00 1
PM Peak	16:00 749	21:00 48.4	19:00 40.6	23:00 9.4	12:00 2	13:00 2	14:00 11	16:00 29	13:00 115	15:00 178	16:00 241	17:00 202	17:00 76	18:00 26	18:00 8	18:00 2

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	11	40.0	33.9	6.0	0	0	0	1	2	2	5	1	0	0	0	0
01:00	9	43.6	36.4	7.0	0	0	0	0	2	2	2	2	1	0	0	0
02:00	7	41.8	36.1	5.6	0	0	0	0	0	4	2	0	1	0	0	0
03:00	24	45.3	38.1	7.0	0	0	0	1	3	1	10	6	2	1	0	0
04:00	66	38.9	33.4	5.3	0	0	0	3	15	22	20	5	1	0	0	0
05:00	176	42.4	35.2	6.9	0	0	0	13	20	60	41	32	5	3	2	0
06:00	319	41.9	34.2	7.5	0	2	4	36	49	74	82	54	14	4	0	0
07:00	660	39.9	33.2	6.5	0	1	13	53	141	173	187	78	13	1	0	0
08:00	515	41.2	34.1	6.9	1	4	10	30	79	151	153	66	17	3	1	0
09:00	344	40.5	33.4	6.9	1	0	1	37	74	88	84	45	12	2	0	0
10:00	391	40.4	33.5	6.7	0	1	4	27	88	113	103	42	8	3	1	1
11:00	396	39.5	32.3	6.9	0	0	7	58	84	109	85	40	10	3	0	0
12:00	350	39.8	33.3	6.2	0	0	0	26	85	105	87	36	7	4	0	0
13:00	346	41.0	34.0	6.7	1	0	7	23	61	90	107	44	11	2	0	0
14:00	373	42.5	34.9	7.3	1	2	2	25	60	92	110	62	10	4	4	1
15:00	413	41.0	34.2	6.6	1	0	0	40	68	104	129	55	13	3	0	0
16:00	454	42.3	35.1	6.9	2	1	7	22	64	112	144	75	24	3	0	0
17:00	474	44.1	36.8	7.0	1	1	4	10	51	115	145	104	27	13	1	2
18:00	303	45.5	37.6	7.6	0	0	5	9	25	67	92	64	25	11	3	2
19:00	169	47.7	39.0	8.4	1	0	0	9	13	22	43	52	13	13	1	2
20:00	116	47.0	40.2	6.6	0	0	0	0	2	24	33	35	15	5	0	2
21:00	58	47.8	40.2	7.3	0	0	0	0	3	9	21	13	5	6	0	1
22:00	47	47.0	39.9	6.8	0	0	0	0	1	13	11	10	9	2	1	0
23:00	30	49.0	41.2	7.5	0	0	0	0	3	2	8	9	4	3	1	0
Total																
2H(10-12)	787	40.0	32.9	6.8	0	1	11	85	172	222	188	82	18	6	1	1
2H(14-16)	786	41.7	34.5	7.0	2	2	2	65	128	196	239	117	23	7	4	1
12H(7-19)	5019	41.5	34.3	7.0	8	10	60	360	880	1319	1426	711	177	52	10	6
24H(0-24)	6051	42.1	34.7	7.2	9	12	64	423	993	1554	1704	930	247	89	15	11
AM Peak	07:00	03:00	03:00	06:00	08:00	08:00	07:00	11:00	07:00	07:00	07:00	07:00	08:00	06:00	05:00	10:00
	660	45.3	38.1	7.5	1	4	13	58	141	173	187	78	17	4	2	1
PM Peak	17:00	23:00	23:00	19:00	16:00	14:00	13:00	15:00	12:00	17:00	17:00	17:00	17:00	17:00	14:00	17:00
	474	49.0	41.2	8.4	2	2	7	40	85	115	145	104	27	13	4	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
01:00	1	-	37.5	-	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	2	46.0	35.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
04:00	14	52.9	46.4	6.3	0	0	0	0	0	1	0	5	4	3	1	0
05:00	42	49.8	44.6	5.1	0	0	0	0	0	0	6	18	15	2	0	1
06:00	50	46.4	40.7	5.5	0	0	0	0	0	5	21	16	4	3	1	0
07:00	186	47.3	41.6	5.5	0	1	0	1	3	11	41	88	33	8	0	0
08:00	181	45.2	40.6	4.5	0	0	0	0	0	16	68	72	20	5	0	0
09:00	142	44.1	38.6	5.4	0	0	1	0	8	17	65	37	13	0	1	0
10:00	150	44.8	39.0	5.6	0	0	0	0	3	35	53	38	16	4	1	0
11:00	153	42.5	37.9	4.4	0	0	0	2	3	25	78	42	2	0	1	0
12:00	134	46.8	40.2	6.4	0	0	0	4	3	18	34	50	17	8	0	0
13:00	112	45.1	39.3	5.6	0	0	0	0	1	21	48	28	8	4	2	0
14:00	199	45.0	37.9	6.9	0	5	0	1	16	25	75	55	20	2	0	0
15:00	168	44.5	39.0	5.3	1	0	0	2	1	22	72	55	13	2	0	0
16:00	228	46.4	40.4	5.8	0	0	0	2	13	15	68	90	31	9	0	0
17:00	224	47.3	42.2	4.9	0	0	0	0	0	9	68	92	44	8	2	1
18:00	135	48.0	41.9	5.9	0	0	0	0	0	19	31	45	29	9	2	0
19:00	122	48.9	42.8	5.9	0	0	0	0	1	10	25	44	30	11	0	1
20:00	59	48.8	41.3	7.2	0	1	0	0	1	6	18	14	13	6	0	0
21:00	36	47.6	40.1	7.2	0	0	0	0	1	9	9	9	5	1	2	0
22:00	29	49.6	41.6	7.7	0	0	0	0	0	6	7	9	4	1	1	1
23:00	13	48.5	39.4	8.8	0	0	0	0	2	3	2	2	2	2	0	0
Total																
2H(10-12)	303	43.7	38.5	5.1	0	0	0	2	6	60	131	80	18	4	2	0
2H(14-16)	367	44.9	38.4	6.2	1	5	0	3	17	47	147	110	33	4	0	0
12H(7-19)	2012	45.9	40.0	5.7	1	6	1	12	51	233	701	692	246	59	9	1
24H(0-24)	2382	46.4	40.3	5.9	1	7	1	12	57	274	791	810	323	88	14	4
AM Peak	07:00	04:00	04:00	03:00	00:00	07:00	09:00	11:00	09:00	10:00	11:00	07:00	07:00	07:00	04:00	05:00
	186	52.9	46.4	10.6	0	1	1	2	8	35	78	88	33	8	1	1
PM Peak	16:00	22:00	19:00	23:00	15:00	14:00	12:00	12:00	14:00	14:00	14:00	17:00	17:00	19:00	13:00	17:00
	228	49.6	42.8	8.8	1	5	0	4	16	25	75	92	44	11	2	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	13	39.8	34.0	5.5	0	0	0	1	2	3	6	1	0	0	0	0
01:00	10	43.3	36.5	6.6	0	0	0	0	2	2	3	2	1	0	0	0
02:00	7	41.8	36.1	5.6	0	0	0	0	0	4	2	0	1	0	0	0
03:00	26	45.2	37.9	7.1	0	0	0	1	4	1	10	7	2	1	0	0
04:00	80	43.3	35.7	7.4	0	0	0	3	15	23	20	10	5	3	1	0
05:00	218	44.8	37.0	7.5	0	0	0	13	20	60	47	50	20	5	2	1
06:00	369	42.9	35.1	7.6	0	2	4	36	49	79	103	70	18	7	1	0
07:00	846	42.5	35.1	7.2	0	2	13	54	144	184	228	166	46	9	0	0
08:00	696	43.0	35.8	6.9	1	4	10	30	79	167	221	138	37	8	1	0
09:00	486	42.0	34.9	6.9	1	0	2	37	82	105	149	82	25	2	1	0
10:00	541	42.1	35.0	6.8	0	1	4	27	91	148	156	80	24	7	2	1
11:00	549	41.0	33.9	6.8	0	0	7	60	87	134	163	82	12	3	1	0
12:00	484	42.5	35.2	7.0	0	0	0	30	88	123	121	86	24	12	0	0
13:00	458	42.4	35.3	6.9	1	0	7	23	62	111	155	72	19	6	2	0
14:00	572	43.5	35.9	7.3	1	7	2	26	76	117	185	117	30	6	4	1
15:00	581	42.4	35.6	6.6	2	0	0	42	69	126	201	110	26	5	0	0
16:00	682	44.1	36.9	7.0	2	1	7	24	77	127	212	165	55	12	0	0
17:00	698	45.7	38.6	6.9	1	1	4	10	51	124	213	196	71	21	3	3
18:00	438	46.6	38.9	7.4	0	0	5	9	25	86	123	109	54	20	5	2
19:00	291	48.6	40.6	7.7	1	0	0	9	14	32	68	96	43	24	1	3
20:00	175	47.6	40.6	6.8	0	1	0	0	3	30	51	49	28	11	0	2
21:00	94	47.7	40.2	7.2	0	0	0	0	4	18	30	22	10	7	2	1
22:00	76	48.0	40.6	7.2	0	0	0	0	1	19	18	19	13	3	2	1
23:00	43	48.8	40.6	7.9	0	0	0	0	5	5	10	11	6	5	1	0
Total																
2H(10-12)	1090	41.5	34.4	6.9	0	1	11	87	178	282	319	162	36	10	3	1
2H(14-16)	1153	43.0	35.7	7.0	3	7	2	68	145	243	386	227	56	11	4	1
12H(7-19)	7031	43.3	35.9	7.1	9	16	61	372	931	1552	2127	1403	423	111	19	7
24H(0-24)	8433	43.8	36.3	7.3	10	19	65	435	1050	1828	2495	1740	570	177	29	15
AM Peak	07:00 846	03:00 45.2	03:00 37.9	06:00 7.6	08:00 1	08:00 4	07:00 13	11:00 60	07:00 144	07:00 184	07:00 228	07:00 166	07:00 46	07:00 9	05:00 2	05:00 1
PM Peak	17:00 698	23:00 48.8	23:00 40.6	23:00 7.9	15:00 2	14:00 7	13:00 7	15:00 42	12:00 88	16:00 127	17:00 213	17:00 196	17:00 71	19:00 24	18:00 5	17:00 3

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

08/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	12	49.3	39.6	9.4	0	0	0	0	1	3	5	0	0	2	1	0
01:00	12	47.9	36.7	10.8	0	0	1	1	0	4	2	1	1	2	0	0
02:00	11	41.5	35.7	5.6	0	0	0	0	2	3	3	3	0	0	0	0
03:00	21	42.2	35.6	6.4	0	0	0	1	2	7	7	3	0	1	0	0
04:00	41	40.2	33.8	6.1	0	0	0	1	12	12	9	5	2	0	0	0
05:00	138	43.3	36.3	6.7	0	0	0	6	18	32	46	22	10	4	0	0
06:00	306	40.6	32.6	7.7	1	3	9	33	69	73	70	33	11	4	0	0
07:00	667	40.3	32.0	8.1	8	4	26	94	144	125	164	85	12	3	1	1
08:00	485	41.6	34.8	6.6	0	1	10	22	76	119	163	76	11	7	0	0
09:00	378	41.3	34.4	6.6	4	0	0	11	68	128	104	42	15	6	0	0
10:00	346	40.0	32.9	6.9	0	0	15	24	78	91	88	42	6	2	0	0
11:00	387	39.8	33.4	6.2	2	0	3	17	94	115	109	35	11	1	0	0
12:00	383	39.5	33.1	6.2	2	0	3	17	95	136	84	35	9	0	2	0
13:00	329	40.7	34.0	6.5	0	0	4	13	79	95	84	37	13	3	1	0
14:00	402	41.8	35.2	6.3	0	0	2	22	53	109	133	64	15	2	2	0
15:00	446	42.7	33.6	8.8	8	7	20	33	64	91	131	68	16	5	2	1
16:00	568	42.7	35.2	7.3	0	3	17	31	73	120	187	103	26	8	0	0
17:00	556	43.8	36.7	6.8	0	2	5	14	61	129	178	115	36	14	2	0
18:00	323	46.4	39.3	6.8	0	0	1	2	25	48	96	99	37	9	4	2
19:00	195	47.5	40.0	7.2	0	0	0	1	12	35	52	55	26	9	2	3
20:00	115	47.7	39.6	7.7	0	0	0	0	8	25	34	25	13	4	4	2
21:00	102	47.5	40.2	7.1	0	0	0	1	5	15	33	26	13	7	1	1
22:00	50	45.6	38.7	6.7	0	0	0	0	4	13	11	14	5	3	0	0
23:00	25	44.6	36.5	7.8	0	0	0	0	5	8	5	3	3	0	1	0
Total																
2H(10-12)	733	39.9	33.2	6.5	2	0	18	41	172	206	197	77	17	3	0	0
2H(14-16)	848	42.4	34.4	7.8	8	7	22	55	117	200	264	132	31	7	4	1
12H(7-19)	5270	42.0	34.5	7.3	24	17	106	300	910	1306	1521	801	207	60	14	4
24H(0-24)	6298	42.5	34.8	7.4	25	20	116	344	1048	1536	1798	991	291	96	23	10
AM Peak	07:00	00:00	00:00	01:00	07:00	07:00	07:00	07:00	07:00	09:00	07:00	07:00	09:00	08:00	00:00	07:00
	667	49.3	39.6	10.8	8	4	26	94	144	128	164	85	15	7	1	1
PM Peak	16:00	20:00	21:00	15:00	15:00	15:00	15:00	15:00	12:00	12:00	16:00	17:00	18:00	17:00	18:00	19:00
	568	47.7	40.2	8.8	8	7	20	33	95	136	187	115	37	14	4	3

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	45.2	40.0	5.0	0	0	0	0	0	0	3	0	1	0	0	0
01:00	2	48.7	45.0	3.5	0	0	0	0	0	0	0	1	1	0	0	0
02:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	3	37.2	34.2	2.9	0	0	0	0	0	2	1	0	0	0	0	0
04:00	6	41.8	39.2	2.6	0	0	0	0	0	0	4	2	0	0	0	0
05:00	37	51.6	46.6	4.8	0	0	0	0	0	1	2	9	16	9	0	0
06:00	65	48.9	42.6	6.0	0	0	0	0	0	6	15	23	17	2	1	1
07:00	170	46.8	41.8	4.8	0	0	0	0	1	5	53	82	18	10	0	1
08:00	193	45.6	39.5	5.8	0	0	0	0	11	25	67	64	18	6	2	0
09:00	124	44.4	37.3	6.9	0	0	0	3	14	33	24	40	7	2	0	1
10:00	109	42.6	36.8	5.6	0	1	0	0	12	23	40	31	1	1	0	0
11:00	140	42.2	37.4	4.6	0	0	0	3	6	21	72	36	2	0	0	0
12:00	155	42.7	37.7	4.8	0	0	0	1	4	40	63	37	10	0	0	0
13:00	149	43.1	37.5	5.4	0	0	0	4	9	25	68	32	11	0	0	0
14:00	185	44.8	39.0	5.6	0	0	1	0	5	37	64	55	17	6	0	0
15:00	223	45.1	39.9	5.1	0	0	0	0	5	29	81	76	27	5	0	0
16:00	237	46.0	40.8	5.1	0	0	0	0	1	27	73	100	28	6	1	1
17:00	218	46.9	42.3	4.4	0	0	0	0	3	4	55	97	54	5	0	0
18:00	169	49.5	42.3	6.9	0	0	1	1	2	12	53	47	28	20	4	1
19:00	104	49.7	42.2	7.3	0	0	1	1	0	12	25	32	20	9	3	1
20:00	61	49.4	41.6	7.6	0	0	0	0	4	6	15	21	7	5	2	1
21:00	39	48.9	41.5	7.2	0	0	0	0	3	1	13	13	5	1	3	0
22:00	25	48.0	40.1	7.7	0	0	0	0	1	6	8	3	4	2	1	0
23:00	11	46.9	39.8	6.8	0	0	0	1	0	0	4	4	2	0	0	0
Total																
2H(10-12)	249	42.4	37.1	5.1	0	1	0	3	18	44	112	67	3	1	0	0
2H(14-16)	408	45.0	39.5	5.3	0	0	1	0	10	66	145	131	44	11	0	0
12H(7-19)	2072	45.6	39.7	5.7	0	1	2	12	73	281	713	697	221	61	7	4
24H(0-24)	2430	46.2	40.0	6.0	0	1	3	14	81	316	803	805	294	89	17	7
AM Peak	08:00	05:00	05:00	09:00	00:00	10:00	00:00	09:00	09:00	09:00	11:00	07:00	07:00	07:00	08:00	06:00
	193	51.6	46.6	6.9	0	1	0	3	14	33	72	82	18	10	2	1
PM Peak	16:00	19:00	17:00	22:00	12:00	12:00	14:00	13:00	13:00	12:00	15:00	16:00	17:00	18:00	18:00	16:00
	237	49.7	42.3	7.7	0	0	1	4	9	40	81	100	54	20	4	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	16	48.4	39.7	8.4	0	0	0	0	1	3	8	0	1	2	1	0
01:00	14	48.7	37.9	10.5	0	0	1	1	0	4	2	2	2	2	0	0
02:00	12	41.0	35.4	5.4	0	0	0	0	2	4	3	3	0	0	0	0
03:00	24	41.7	35.4	6.1	0	0	0	1	2	9	8	3	0	1	0	0
04:00	47	40.8	34.5	6.0	0	0	0	1	12	12	13	7	2	0	0	0
05:00	175	46.4	38.5	7.6	0	0	0	6	18	33	48	31	26	13	0	0
06:00	371	43.0	34.4	8.3	1	3	9	33	69	79	85	56	28	6	1	1
07:00	837	42.8	34.0	8.5	8	4	26	94	145	130	217	167	30	13	1	2
08:00	678	43.1	36.1	6.7	0	1	10	22	87	144	230	140	29	13	2	0
09:00	502	42.2	35.2	6.8	4	0	0	14	82	161	128	82	22	8	0	1
10:00	455	40.9	33.8	6.8	0	1	15	24	90	114	128	73	7	3	0	0
11:00	527	40.7	34.5	6.1	2	0	3	20	100	136	181	71	13	1	0	0
12:00	538	40.8	34.4	6.2	2	0	3	18	99	176	147	72	19	0	2	0
13:00	478	41.7	35.1	6.4	0	0	4	17	88	120	152	69	24	3	1	0
14:00	587	43.0	36.4	6.4	0	0	3	22	58	146	197	119	32	8	2	0
15:00	669	44.3	35.7	8.3	8	7	20	33	69	120	212	144	43	10	2	1
16:00	805	44.2	36.8	7.2	0	3	17	31	74	147	260	203	54	14	1	1
17:00	774	45.3	38.3	6.7	0	2	5	14	64	133	233	212	90	19	2	0
18:00	492	47.6	40.4	7.0	0	0	2	3	27	60	149	146	65	29	8	3
19:00	299	48.3	40.7	7.3	0	0	1	2	12	47	77	87	46	18	5	4
20:00	176	48.3	40.3	7.7	0	0	0	0	12	31	49	46	20	9	6	3
21:00	141	47.9	40.5	7.1	0	0	0	1	8	16	46	39	18	8	4	1
22:00	75	46.4	39.2	7.0	0	0	0	0	5	19	19	17	9	5	1	0
23:00	36	45.3	37.5	7.6	0	0	0	1	5	8	9	7	5	0	1	0
Total																
2H(10-12)	982	40.8	34.2	6.4	2	1	18	44	190	250	309	144	20	4	0	0
2H(14-16)	1256	43.8	36.0	7.5	8	7	23	55	127	266	409	263	75	18	4	1
12H(7-19)	7342	43.5	35.9	7.3	24	18	108	312	983	1587	2234	1498	428	121	21	8
24H(0-24)	8728	44.0	36.3	7.4	25	21	119	358	1129	1852	2601	1796	585	185	40	17
AM Peak	07:00 837	01:00 48.7	00:00 39.7	01:00 10.5	07:00 8	07:00 4	07:00 26	07:00 94	07:00 145	09:00 161	08:00 230	07:00 167	07:00 30	05:00 13	08:00 2	07:00 2
PM Peak	16:00 805	19:00 48.3	19:00 40.7	15:00 8.3	15:00 8	15:00 7	15:00 20	15:00 33	12:00 99	12:00 176	16:00 260	17:00 212	17:00 90	18:00 29	18:00 8	19:00 4

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	12	45.2	37.5	7.4	0	0	0	0	3	1	3	3	2	0	0	0
01:00	6	48.6	40.8	7.5	0	0	0	0	1	0	1	2	2	0	0	0
02:00	8	46.6	36.9	9.4	0	0	0	1	1	1	2	2	0	1	0	0
03:00	7	44.9	36.1	8.5	0	0	0	0	2	1	3	0	0	1	0	0
04:00	60	39.9	33.3	6.3	0	0	1	2	19	11	21	3	3	0	0	0
05:00	161	42.0	34.7	7.0	0	0	2	10	30	38	47	25	5	4	0	0
06:00	265	43.6	35.4	7.9	0	1	2	26	42	45	74	50	19	5	0	1
07:00	654	41.2	33.6	7.3	3	2	4	80	115	153	165	105	24	3	0	0
08:00	486	42.1	34.7	7.1	1	0	14	18	82	126	157	55	23	7	3	0
09:00	354	40.9	34.1	6.5	0	1	2	23	58	121	86	49	12	1	0	1
10:00	406	41.0	34.2	6.6	0	1	2	34	68	108	117	65	9	0	2	0
11:00	412	40.9	33.7	7.0	0	0	6	37	90	95	118	42	20	4	0	0
12:00	391	41.9	34.3	7.3	0	0	8	40	47	113	102	59	15	6	0	1
13:00	426	41.1	33.9	6.9	0	0	4	30	103	105	98	64	17	5	0	0
14:00	441	42.2	34.9	7.0	0	0	4	18	87	113	131	63	15	6	1	3
15:00	524	42.6	35.8	6.5	2	1	8	15	53	143	170	105	25	1	0	1
16:00	498	42.8	35.4	7.2	0	0	13	40	49	106	162	100	21	6	1	0
17:00	475	44.5	37.7	6.5	0	0	1	15	29	98	180	101	35	12	2	2
18:00	310	46.8	40.0	6.6	1	0	0	2	15	36	104	92	44	11	4	1
19:00	191	47.6	40.2	7.1	0	0	0	2	5	36	58	47	30	7	3	3
20:00	96	47.0	39.2	7.5	0	0	0	2	4	23	26	25	7	6	2	1
21:00	96	47.1	39.2	7.7	0	0	0	4	8	13	26	26	13	3	3	0
22:00	59	47.6	39.9	7.4	0	0	0	0	3	13	16	15	7	3	1	1
23:00	34	47.5	38.4	8.8	0	0	0	3	1	6	14	4	1	3	2	0
Total																
2H(10-12)	818	41.0	33.9	6.8	0	1	8	71	158	203	235	107	29	4	2	0
2H(14-16)	965	42.4	35.4	6.8	2	1	12	33	140	256	301	168	40	7	1	4
12H(7-19)	5377	42.4	35.1	7.1	7	5	66	352	796	1317	1590	900	260	62	13	9
24H(0-24)	6372	43.0	35.4	7.3	7	6	71	402	915	1505	1881	1102	349	95	24	15
AM Peak	07:00	01:00	01:00	02:00	07:00	07:00	08:00	07:00	07:00	07:00	07:00	07:00	07:00	08:00	08:00	06:00
	654	48.6	40.8	9.4	3	2	14	80	115	153	165	105	24	7	3	1
PM Peak	15:00	19:00	19:00	23:00	15:00	15:00	16:00	12:00	13:00	15:00	17:00	15:00	18:00	17:00	18:00	14:00
	524	47.6	40.2	8.8	2	1	13	40	103	143	180	105	44	12	4	3

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	5	40.1	35.5	4.5	0	0	0	0	0	3	1	1	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	0	0	1	0	0	0
03:00	2	43.7	40.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
04:00	9	49.3	44.2	5.0	0	0	0	0	0	0	2	3	3	1	0	0
05:00	38	50.5	43.7	6.6	0	0	0	0	0	3	10	9	8	7	1	0
06:00	64	49.4	43.9	5.3	0	0	0	0	0	3	9	29	14	8	1	0
07:00	167	47.8	42.4	5.2	0	0	0	0	0	18	28	73	37	11	0	0
08:00	187	45.9	41.3	4.5	0	0	0	0	0	12	61	82	25	7	0	0
09:00	149	43.8	38.4	5.3	0	0	1	0	9	20	65	40	14	0	0	0
10:00	151	44.2	38.9	5.0	0	0	0	0	2	32	58	42	14	3	0	0
11:00	148	42.1	38.0	3.9	0	0	0	1	3	20	82	39	3	0	0	0
12:00	147	45.9	38.5	7.2	0	0	7	1	4	23	44	48	18	1	1	0
13:00	193	45.2	39.3	5.7	0	0	0	0	13	24	70	58	23	5	0	0
14:00	181	45.3	39.6	5.5	0	0	0	1	6	23	65	65	14	6	1	0
15:00	210	44.9	38.0	6.6	0	0	0	7	12	39	78	54	13	4	1	2
16:00	271	46.6	41.2	5.2	0	0	0	0	1	30	80	106	40	12	2	0
17:00	196	48.3	43.0	5.2	0	0	0	0	1	9	44	77	48	16	1	0
18:00	144	47.2	42.0	5.0	0	0	0	0	0	8	43	57	29	5	2	0
19:00	87	47.9	40.6	7.0	0	0	0	0	6	10	24	28	12	5	1	1
20:00	67	49.7	42.7	6.7	0	0	1	0	0	3	16	30	9	5	2	1
21:00	47	48.5	42.2	6.0	0	0	0	0	0	4	13	17	10	2	0	1
22:00	25	48.2	41.7	6.2	0	0	0	0	0	3	8	7	5	1	1	0
23:00	12	47.5	39.2	8.1	0	0	0	0	2	1	4	3	0	2	0	0
Total																
2H(10-12)	299	43.2	38.5	4.5	0	0	0	1	5	52	140	81	17	3	0	0
2H(14-16)	391	45.2	38.8	6.1	0	0	0	8	18	62	143	119	27	10	2	2
12H(7-19)	2144	46.0	40.1	5.7	0	0	8	10	51	258	718	741	278	70	8	2
24H(0-24)	2501	46.5	40.4	5.8	0	0	9	10	59	288	806	869	340	101	14	5
AM Peak	08:00	05:00	02:00	05:00	00:00	00:00	09:00	11:00	09:00	10:00	11:00	08:00	07:00	07:00	05:00	00:00
	187	50.5	47.5	6.6	0	0	1	1	9	32	82	82	37	11	1	0
PM Peak	16:00	20:00	17:00	23:00	12:00	12:00	12:00	15:00	13:00	15:00	16:00	16:00	17:00	17:00	16:00	15:00
	271	49.7	43.0	8.1	0	0	7	7	13	39	80	106	48	16	2	2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	17	43.7	36.9	6.6	0	0	0	0	3	4	4	4	2	0	0	0
01:00	6	48.6	40.8	7.5	0	0	0	0	1	0	1	2	2	0	0	0
02:00	9	47.9	38.1	9.5	0	0	0	1	1	1	2	2	1	1	0	0
03:00	9	44.9	36.9	7.7	0	0	0	0	2	1	4	1	0	1	0	0
04:00	69	42.2	34.7	7.2	0	0	1	2	19	11	23	6	6	1	0	0
05:00	199	44.5	36.4	7.7	0	0	2	10	30	41	57	34	13	11	1	0
06:00	329	45.5	37.1	8.2	0	1	2	26	42	48	83	79	33	13	1	1
07:00	821	43.5	35.4	7.8	3	2	4	80	115	171	193	178	61	14	0	0
08:00	673	43.9	36.5	7.1	1	0	14	18	82	138	218	137	48	14	3	0
09:00	503	42.1	35.4	6.4	0	1	3	23	67	141	151	89	26	1	0	1
10:00	557	42.3	35.5	6.5	0	1	2	34	70	140	175	107	23	3	2	0
11:00	560	41.7	34.8	6.6	0	0	6	38	93	115	200	81	23	4	0	0
12:00	538	43.3	35.5	7.5	0	0	15	41	51	136	146	107	33	7	1	1
13:00	619	42.9	35.6	7.0	0	0	4	30	116	129	168	122	40	10	0	0
14:00	622	43.5	36.3	6.9	0	0	4	19	93	136	196	128	29	12	2	3
15:00	734	43.3	36.4	6.6	2	1	8	22	65	182	248	159	38	5	1	3
16:00	769	44.8	37.4	7.1	0	0	13	40	50	136	242	206	61	18	3	0
17:00	671	46.1	39.3	6.6	0	0	1	15	30	107	224	178	83	28	3	2
18:00	454	47.0	40.7	6.2	1	0	0	2	15	44	147	149	73	16	6	1
19:00	278	47.7	40.4	7.1	0	0	0	2	11	46	82	75	42	12	4	4
20:00	163	48.3	40.7	7.4	0	0	1	2	4	26	42	55	16	11	4	2
21:00	143	47.7	40.2	7.3	0	0	0	4	8	17	39	43	23	5	3	1
22:00	84	47.8	40.4	7.1	0	0	0	0	3	16	24	22	12	4	2	1
23:00	46	47.5	38.6	8.6	0	0	0	3	3	7	18	7	1	5	2	0
Total																
2H(10-12)	1117	42.0	35.1	6.6	0	1	8	72	163	255	375	188	46	7	2	0
2H(14-16)	1356	43.4	36.4	6.8	2	1	12	41	158	318	444	287	67	17	3	6
12H(7-19)	7521	43.9	36.5	7.1	7	5	74	362	847	1575	2308	1641	538	132	21	11
24H(0-24)	8873	44.3	36.8	7.2	7	6	80	412	974	1793	2687	1971	689	196	38	20
AM Peak	07:00 821	01:00 48.6	01:00 40.8	02:00 9.5	07:00 3	07:00 2	08:00 14	07:00 80	07:00 115	07:00 171	08:00 218	07:00 178	07:00 61	07:00 14	08:00 3	06:00 1
PM Peak	16:00 769	20:00 48.3	20:00 40.7	23:00 8.6	15:00 2	15:00 1	12:00 15	12:00 41	13:00 116	15:00 182	15:00 248	16:00 206	17:00 83	17:00 28	18:00 6	19:00 4

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	21	50.8	41.8	8.7	0	0	0	0	3	2	3	5	3	5	0	0
01:00	5	47.7	36.5	10.8	0	0	0	0	2	1	0	1	0	1	0	0
02:00	9	46.0	39.2	6.6	0	0	0	0	0	2	5	0	1	1	0	0
03:00	6	45.4	39.2	6.1	0	0	0	0	1	0	1	4	0	0	0	0
04:00	16	44.2	37.8	6.2	0	0	0	1	0	3	7	3	2	0	0	0
05:00	38	46.1	38.6	7.3	0	0	0	2	2	9	6	12	6	1	0	0
06:00	87	44.8	38.2	6.3	0	0	0	5	1	14	37	21	5	4	0	0
07:00	227	45.9	38.4	7.2	1	1	2	1	17	35	84	58	17	8	1	2
08:00	266	44.5	38.8	5.6	0	0	0	0	10	53	104	67	25	6	0	1
09:00	346	44.1	37.6	6.2	0	1	1	7	8	93	137	69	20	4	4	2
10:00	404	43.5	37.9	5.4	0	0	0	2	17	102	144	110	25	2	0	2
11:00	428	42.8	36.4	6.2	0	1	2	11	41	104	167	76	19	4	2	1
12:00	413	42.7	36.5	6.0	0	3	0	6	35	117	140	89	18	4	1	0
13:00	349	43.8	38.2	5.5	0	0	2	1	15	70	146	77	34	4	0	0
14:00	329	43.1	37.1	5.7	0	0	1	1	27	84	131	62	13	8	2	0
15:00	277	43.0	37.3	5.4	0	0	0	0	21	74	102	56	21	3	0	0
16:00	261	46.6	39.4	6.9	0	1	0	0	12	55	81	66	29	11	4	2
17:00	301	43.3	37.0	6.1	0	0	0	5	21	88	111	49	18	5	4	0
18:00	210	45.1	38.1	6.8	0	0	2	4	16	40	70	50	19	8	1	0
19:00	159	45.4	39.5	5.7	0	0	0	0	3	25	70	39	14	6	1	1
20:00	99	49.1	41.0	7.8	0	0	1	0	0	19	31	24	12	6	4	2
21:00	82	46.2	38.5	7.5	0	0	0	0	7	21	27	13	8	3	2	1
22:00	66	45.8	37.9	7.6	0	0	0	1	9	14	17	16	5	3	0	1
23:00	31	47.3	38.5	8.5	0	0	1	1	3	5	7	5	8	1	0	0
Total																
2H(10-12)	832	43.2	37.2	5.9	0	1	2	13	58	206	311	186	44	6	2	3
2H(14-16)	606	43.0	37.2	5.6	0	0	1	1	48	158	233	118	34	11	2	0
12H(7-19)	3811	43.9	37.6	6.1	1	7	10	38	240	915	1417	829	258	67	19	10
24H(0-24)	4430	44.3	37.8	6.3	1	7	12	48	271	1030	1628	972	322	98	26	15
AM Peak	11:00	00:00	00:00	01:00	07:00	07:00	07:00	11:00	11:00	11:00	11:00	10:00	08:00	07:00	09:00	07:00
	428	50.8	41.8	10.8	1	1	2	11	41	104	167	110	25	8	4	2
PM Peak	12:00	20:00	20:00	23:00	12:00	12:00	13:00	12:00	12:00	12:00	13:00	12:00	13:00	16:00	16:00	16:00
	413	49.1	41.0	8.5	0	3	2	6	35	117	146	89	34	11	4	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	7	51.4	43.2	7.9	0	0	0	0	0	1	2	1	1	2	0	0
01:00	5	54.7	42.5	11.7	0	0	0	0	0	2	1	0	0	1	1	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	1	1	0	0	0	0	0
04:00	6	54.8	42.9	11.4	0	0	0	0	0	1	2	2	0	0	0	1
05:00	18	53.1	44.6	8.2	0	0	0	0	0	1	5	5	3	2	1	1
06:00	23	53.5	43.3	9.9	0	1	0	0	0	2	5	2	10	2	0	1
07:00	67	47.2	38.2	8.7	0	0	6	2	1	7	15	26	8	2	0	0
08:00	122	47.6	41.6	5.9	0	2	0	0	0	6	29	62	17	5	1	0
09:00	142	47.2	41.5	5.5	0	0	0	0	1	11	48	48	26	5	3	0
10:00	187	48.0	40.3	7.5	0	3	1	1	8	20	50	63	30	7	3	1
11:00	169	47.6	38.3	9.0	0	9	0	4	6	22	50	54	13	8	2	1
12:00	206	46.0	33.7	11.9	5	26	11	2	13	31	37	61	15	3	2	0
13:00	199	44.2	30.8	12.9	7	38	11	5	20	17	45	37	14	4	0	1
14:00	239	40.5	28.3	11.8	3	40	46	10	19	31	50	24	12	4	0	0
15:00	240	40.9	27.7	12.8	2	74	16	11	22	21	37	45	10	1	1	0
16:00	181	45.5	32.8	12.3	4	27	13	5	6	16	51	40	16	2	1	0
17:00	128	47.8	40.7	6.8	0	2	1	2	2	4	41	51	18	6	1	0
18:00	83	48.7	40.4	8.0	0	3	0	1	1	6	20	40	6	2	4	0
19:00	55	49.7	42.0	7.5	0	1	0	0	1	2	21	11	11	7	1	0
20:00	64	52.5	44.6	7.6	0	0	0	0	0	4	15	18	15	6	3	3
21:00	46	51.2	42.7	8.2	0	1	0	0	0	4	12	12	9	7	0	1
22:00	33	48.2	40.6	7.3	0	0	0	0	0	6	14	5	6	0	1	1
23:00	18	51.0	42.1	8.6	0	0	0	0	1	3	2	7	3	1	0	1
Total																
2H(10-12)	356	47.9	39.3	8.3	0	12	1	5	14	42	100	117	43	15	5	2
2H(14-16)	479	40.7	28.0	12.3	5	114	62	21	41	52	87	69	22	5	1	0
12H(7-19)	1963	46.9	34.9	11.6	21	224	105	43	99	192	473	551	185	49	18	3
24H(0-24)	2240	47.8	35.9	11.5	21	227	105	43	101	219	553	614	243	77	25	12
AM Peak	10:00 187	04:00 54.8	05:00 44.6	01:00 11.7	00:00 0	11:00 9	07:00 6	11:00 4	10:00 8	11:00 22	10:00 50	10:00 63	10:00 30	11:00 8	09:00 3	04:00 1
PM Peak	15:00 240	20:00 52.5	20:00 44.6	13:00 12.9	13:00 7	15:00 74	14:00 46	15:00 11	15:00 22	12:00 31	16:00 51	12:00 61	17:00 18	19:00 7	18:00 4	20:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	28	50.8	42.1	8.4	0	0	0	0	3	3	5	6	4	7	0	0
01:00	10	51.0	39.5	11.1	0	0	0	0	2	3	1	1	0	2	1	0
02:00	9	46.0	39.2	6.6	0	0	0	0	0	2	5	0	1	1	0	0
03:00	8	44.0	38.1	5.6	0	0	0	0	1	1	2	4	0	0	0	0
04:00	22	47.5	39.2	8.0	0	0	0	1	0	4	9	5	2	0	0	1
05:00	56	48.8	40.5	8.0	0	0	0	2	2	10	11	17	9	3	1	1
06:00	110	47.0	39.3	7.5	0	1	0	5	1	16	42	23	15	6	0	1
07:00	294	46.2	38.3	7.6	1	1	8	3	18	42	99	84	25	10	1	2
08:00	388	45.7	39.6	5.8	0	2	0	0	10	59	133	129	42	11	1	1
09:00	488	45.3	38.8	6.3	0	1	1	7	9	104	185	117	46	9	7	2
10:00	591	45.1	38.7	6.2	0	3	1	3	25	122	194	173	55	9	3	3
11:00	597	44.3	36.9	7.1	0	10	2	15	47	126	217	130	32	12	4	2
12:00	619	44.4	35.6	8.5	5	29	11	8	48	148	177	150	33	7	3	0
13:00	548	45.4	35.5	9.6	7	38	13	6	35	87	191	114	48	8	0	1
14:00	568	43.6	33.4	9.8	3	40	47	11	46	115	181	86	25	12	2	0
15:00	517	44.0	32.9	10.7	2	74	16	11	43	95	139	101	31	4	1	0
16:00	442	47.1	36.7	10.0	4	28	13	5	18	71	132	106	45	13	5	2
17:00	429	44.9	38.1	6.5	0	2	1	7	23	92	152	100	36	11	5	0
18:00	293	46.2	38.7	7.2	0	3	2	5	17	46	90	90	25	10	5	0
19:00	214	46.7	40.1	6.3	0	1	0	0	4	27	91	50	25	13	2	1
20:00	163	50.6	42.4	7.9	0	0	1	0	0	23	46	42	27	12	7	5
21:00	128	48.2	40.0	8.0	0	1	0	0	7	25	39	25	17	10	2	2
22:00	99	46.7	38.8	7.6	0	0	0	1	9	20	31	21	11	3	1	2
23:00	49	48.7	39.8	8.6	0	0	1	1	4	8	9	12	11	2	0	1
Total																
2H(10-12)	1188	44.8	37.8	6.8	0	13	3	18	72	248	411	303	87	21	7	5
2H(14-16)	1085	43.8	33.1	10.3	5	114	63	22	89	210	320	187	56	16	3	0
12H(7-19)	5774	45.5	36.7	8.5	22	231	115	81	339	1107	1890	1380	443	116	37	13
24H(0-24)	6670	45.9	37.2	8.5	22	234	117	91	372	1249	2181	1586	565	175	51	27
AM Peak	11:00	01:00	00:00	01:00	07:00	11:00	07:00	11:00	11:00	11:00	11:00	10:00	10:00	11:00	09:00	10:00
	597	51.0	42.1	11.1	1	10	8	15	47	126	217	173	55	12	7	3
PM Peak	12:00	20:00	20:00	15:00	13:00	15:00	14:00	14:00	12:00	12:00	13:00	12:00	13:00	16:00	20:00	20:00
	619	50.6	42.4	10.7	7	74	47	11	48	148	191	150	48	13	7	5

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	23	44.3	35.5	8.5	0	0	0	3	4	3	6	4	2	1	0	0
01:00	10	47.1	39.0	7.8	0	0	0	0	1	1	5	2	0	0	1	0
02:00	11	45.2	37.0	7.9	0	0	0	1	1	1	5	2	0	1	0	0
03:00	9	43.8	37.5	6.1	0	0	0	0	1	2	3	2	1	0	0	0
04:00	15	44.9	32.5	12.0	0	0	4	0	3	1	3	1	2	1	0	0
05:00	36	44.0	36.5	7.3	0	0	0	0	8	8	10	5	3	2	0	0
06:00	75	45.3	38.8	6.3	0	0	0	1	2	16	26	23	5	0	1	1
07:00	164	44.8	39.1	5.6	0	0	0	0	7	30	60	44	18	5	0	0
08:00	154	47.2	37.8	9.1	1	8	0	0	7	28	49	38	12	9	1	1
09:00	275	43.5	37.6	5.7	0	0	0	3	19	58	116	56	15	7	1	0
10:00	387	42.3	35.5	6.5	2	2	1	10	40	130	125	50	19	7	1	0
11:00	376	43.3	36.8	6.2	0	0	5	8	26	96	133	78	27	1	2	0
12:00	399	43.2	35.9	7.0	0	0	4	24	41	103	133	59	22	11	2	0
13:00	400	43.8	35.4	8.1	1	5	17	17	50	61	143	78	20	6	1	1
14:00	357	43.6	35.4	7.9	1	2	11	21	40	78	115	59	22	4	3	1
15:00	305	44.1	36.6	7.2	1	1	7	17	13	64	108	65	26	3	0	0
16:00	322	45.2	35.8	9.1	2	6	7	26	35	49	100	63	20	8	3	3
17:00	277	41.8	34.0	7.5	0	0	3	41	36	69	67	46	12	1	2	0
18:00	241	44.0	36.4	7.3	0	0	4	13	22	62	66	50	18	3	3	0
19:00	181	45.2	39.0	6.1	0	0	1	1	1	46	59	48	19	4	1	1
20:00	122	46.7	38.6	7.9	0	0	0	8	6	24	34	24	19	4	3	0
21:00	72	47.3	39.2	7.8	0	0	0	3	5	11	21	17	11	2	1	1
22:00	34	47.6	39.3	8.1	0	0	0	0	4	7	10	4	5	3	1	0
23:00	24	46.9	38.1	8.5	0	0	0	2	1	6	5	6	2	1	1	0
Total																
2H(10-12)	763	42.8	36.2	6.4	2	2	6	18	66	226	258	128	46	8	3	0
2H(14-16)	662	43.8	36.0	7.6	2	3	18	38	53	142	223	124	48	7	3	1
12H(7-19)	3657	43.8	36.1	7.4	8	24	59	180	336	828	1215	686	231	65	19	6
24H(0-24)	4269	44.2	36.5	7.4	8	24	64	199	373	954	1402	824	300	84	28	9
AM Peak	10:00	08:00	07:00	04:00	10:00	08:00	11:00	10:00	10:00	10:00	11:00	11:00	11:00	08:00	11:00	06:00
	387	47.2	39.1	12.0	2	8	5	10	40	130	133	78	27	9	2	1
PM Peak	13:00	22:00	22:00	16:00	16:00	16:00	13:00	17:00	13:00	12:00	13:00	13:00	15:00	12:00	14:00	16:00
	400	47.6	39.3	9.1	2	6	17	41	50	103	143	78	26	11	3	3

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	12	54.6	46.3	8.0	0	0	0	0	0	1	1	5	0	3	2	0
01:00	2	43.7	40.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
02:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	3	52.7	47.5	5.0	0	0	0	0	0	0	0	1	1	1	0	0
04:00	4	46.7	42.5	4.1	0	0	0	0	0	0	1	2	1	0	0	0
05:00	11	47.5	35.7	11.3	1	0	0	0	2	0	4	2	2	0	0	0
06:00	17	48.3	43.4	4.8	0	0	0	0	0	0	5	5	6	1	0	0
07:00	33	49.8	43.3	6.3	0	0	0	0	0	3	7	11	7	4	1	0
08:00	45	49.4	41.4	7.8	0	0	2	1	0	1	11	17	10	2	1	0
09:00	108	48.0	41.9	5.9	0	1	0	0	0	8	29	39	24	7	0	0
10:00	136	47.1	40.8	6.1	0	0	0	0	3	17	45	43	16	10	2	0
11:00	160	46.8	39.5	7.0	2	0	0	1	6	26	49	43	26	7	0	0
12:00	155	45.4	39.6	5.6	0	1	0	0	3	22	57	49	19	4	0	0
13:00	157	46.8	40.7	5.9	0	0	0	0	5	14	57	52	18	8	3	0
14:00	170	46.5	40.8	5.5	0	0	0	2	1	17	56	61	24	9	0	0
15:00	176	44.6	39.3	5.1	0	0	0	0	3	30	67	60	10	5	1	0
16:00	122	46.1	39.9	6.0	0	2	0	0	4	6	47	47	14	1	1	0
17:00	106	46.5	40.1	6.2	0	0	0	0	4	15	38	30	11	6	2	0
18:00	87	47.2	40.1	6.9	0	0	0	1	3	15	27	22	13	5	0	1
19:00	63	49.1	42.4	6.4	0	0	0	0	2	7	11	20	17	5	1	0
20:00	53	48.3	42.3	5.8	0	0	0	0	1	2	17	17	11	4	1	0
21:00	42	51.9	43.6	8.0	0	1	0	0	0	2	8	13	11	6	0	1
22:00	30	45.5	40.5	4.8	0	0	0	0	0	2	14	10	2	2	0	0
23:00	7	42.8	38.9	3.8	0	0	0	0	0	1	3	3	0	0	0	0
Total																
2H(10-12)	296	47.0	40.1	6.6	2	0	0	1	9	43	94	86	42	17	2	0
2H(14-16)	346	45.5	40.0	5.3	0	0	0	2	4	47	123	121	34	14	1	0
12H(7-19)	1455	46.6	40.3	6.1	2	4	2	5	32	174	490	474	192	68	11	1
24H(0-24)	1700	47.0	40.6	6.2	3	5	2	5	37	190	555	553	243	90	15	2
AM Peak	11:00	00:00	03:00	05:00	11:00	09:00	08:00	08:00	11:00	11:00	11:00	10:00	11:00	10:00	00:00	00:00
	160	54.6	47.5	11.3	2	1	2	1	6	26	49	43	26	10	2	0
PM Peak	15:00	21:00	21:00	21:00	12:00	16:00	12:00	14:00	13:00	15:00	15:00	14:00	14:00	14:00	13:00	18:00
	176	51.9	43.6	8.0	0	2	0	2	5	30	67	61	24	9	3	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	35	49.3	39.2	9.7	0	0	0	3	4	4	7	9	2	4	2	0
01:00	12	46.6	39.2	7.2	0	0	0	0	1	1	6	3	0	0	1	0
02:00	12	44.6	36.7	7.6	0	0	0	1	1	2	5	2	0	1	0	0
03:00	12	47.5	40.0	7.2	0	0	0	0	1	2	3	3	2	1	0	0
04:00	19	46.5	34.6	11.5	0	0	4	0	3	1	4	3	3	1	0	0
05:00	47	44.9	36.3	8.3	1	0	0	0	10	8	14	7	5	2	0	0
06:00	92	46.1	39.6	6.3	0	0	0	1	2	16	31	28	11	1	1	1
07:00	197	45.9	39.8	5.9	0	0	0	0	7	33	67	55	25	9	1	0
08:00	199	47.9	38.6	8.9	1	8	2	1	7	29	60	55	22	11	2	1
09:00	383	45.1	38.8	6.1	0	1	0	3	19	66	145	95	39	14	1	0
10:00	523	44.0	36.9	6.8	2	2	1	10	43	147	170	93	35	17	3	0
11:00	536	44.4	37.6	6.5	2	0	5	9	32	122	182	121	53	8	2	0
12:00	554	44.0	36.9	6.8	0	1	4	24	44	125	190	108	41	15	2	0
13:00	557	45.1	36.9	7.9	1	5	17	17	55	75	200	130	38	14	4	1
14:00	527	45.0	37.1	7.6	1	2	11	23	41	95	171	120	46	13	3	1
15:00	481	44.4	37.6	6.6	1	1	7	17	16	94	175	125	36	8	1	0
16:00	444	45.8	36.9	8.6	2	8	7	26	39	55	147	110	34	9	4	3
17:00	383	43.6	35.7	7.7	0	0	3	41	40	84	105	76	23	7	4	0
18:00	328	45.0	37.4	7.4	0	0	4	14	25	77	93	72	31	8	3	1
19:00	244	46.4	39.8	6.3	0	0	1	1	3	53	70	68	36	9	2	1
20:00	175	47.4	39.7	7.5	0	0	0	8	7	26	51	41	30	8	4	0
21:00	114	49.3	40.8	8.2	0	1	0	3	5	13	29	30	22	8	1	2
22:00	64	46.8	39.8	6.7	0	0	0	0	4	9	24	14	7	5	1	0
23:00	31	46.2	38.3	7.6	0	0	0	2	1	7	8	9	2	1	1	0
Total																
2H(10-12)	1059	44.2	37.3	6.7	4	2	6	19	75	269	352	214	88	25	5	0
2H(14-16)	1008	44.8	37.4	7.2	2	3	18	40	57	189	346	245	82	21	4	1
12H(7-19)	5112	44.9	37.3	7.3	10	28	61	185	368	1002	1705	1160	423	133	30	7
24H(0-24)	5969	45.3	37.6	7.4	11	29	66	204	410	1144	1957	1377	543	174	43	11
AM Peak	11:00	00:00	03:00	04:00	10:00	08:00	11:00	10:00	10:00	10:00	11:00	11:00	11:00	10:00	10:00	06:00
	536	49.3	40.0	11.5	2	8	5	10	43	147	182	121	53	17	3	1
PM Peak	13:00	21:00	21:00	16:00	16:00	16:00	13:00	17:00	13:00	12:00	13:00	13:00	14:00	12:00	13:00	16:00
	557	49.3	40.8	8.6	2	8	17	41	55	125	200	130	46	15	4	3

Paul Castle Associates

Tween Bridge ATC 11, A18 Tudworth Road

Direction: Southbound

12/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	13	47.5	37.9	9.2	0	0	0	1	1	3	4	1	2	0	1	0
01:00	11	41.1	36.6	4.4	0	0	0	0	1	2	6	2	0	0	0	0
02:00	10	45.6	39.5	5.9	0	0	0	0	1	1	2	5	1	0	0	0
03:00	14	37.5	31.8	5.5	0	0	0	1	5	4	3	1	0	0	0	0
04:00	67	39.7	31.9	7.6	0	0	0	7	28	16	6	6	1	2	1	0
05:00	161	42.0	33.8	7.8	0	0	1	22	37	25	42	21	9	4	0	0
06:00	325	41.1	33.3	7.5	0	2	1	43	59	96	65	41	12	3	3	0
07:00	675	40.8	32.9	7.7	0	4	18	89	159	112	159	109	21	3	1	0
08:00	488	42.3	35.2	6.9	0	0	8	26	74	120	149	82	21	7	1	0
09:00	428	39.5	32.5	6.8	0	0	19	35	96	117	110	42	7	2	0	0
10:00	385	41.1	34.0	6.9	0	2	9	21	77	96	108	56	14	2	0	0
11:00	399	39.9	32.9	6.8	0	0	5	37	105	107	86	45	11	1	2	0
12:00	363	39.7	33.1	6.4	0	1	2	33	86	100	91	42	6	1	1	0
13:00	391	40.6	33.4	7.0	0	0	8	42	68	107	111	41	8	4	2	0
14:00	399	40.4	33.2	6.9	0	0	2	43	96	99	91	54	9	4	1	0
15:00	452	41.6	33.1	8.2	1	1	33	43	72	102	112	64	18	4	2	0
16:00	542	43.0	35.5	7.3	0	0	7	38	81	113	159	106	30	5	1	2
17:00	516	43.9	36.2	7.4	0	2	10	30	58	95	169	107	30	14	1	0
18:00	276	45.9	38.1	7.5	1	0	0	11	23	51	82	69	25	10	2	2
19:00	167	46.3	38.6	7.4	0	0	0	10	7	30	49	45	19	3	3	1
20:00	84	45.1	37.4	7.4	0	0	0	6	6	16	27	18	6	5	0	0
21:00	76	48.7	41.5	7.0	0	0	0	0	4	7	21	22	17	2	2	1
22:00	40	43.4	36.9	6.3	0	0	0	1	5	7	17	6	3	1	0	0
23:00	31	49.6	40.4	8.9	0	0	0	0	2	6	10	6	4	1	0	2
Total																
2H(10-12)	784	40.5	33.4	6.8	0	2	14	58	182	203	194	101	25	3	2	0
2H(14-16)	851	41.1	33.2	7.6	1	1	35	86	168	201	203	118	27	8	3	0
12H(7-19)	5314	41.7	34.1	7.3	2	10	121	448	995	1219	1427	817	200	57	14	4
24H(0-24)	6313	42.1	34.3	7.5	2	12	123	539	1151	1432	1679	991	274	78	24	8
AM Peak	07:00	00:00	02:00	00:00	00:00	07:00	09:00	07:00	07:00	08:00	07:00	07:00	07:00	08:00	06:00	00:00
	675	47.5	39.5	9.2	0	4	19	89	159	120	159	109	21	7	3	0
PM Peak	16:00	23:00	21:00	23:00	15:00	17:00	15:00	14:00	14:00	16:00	17:00	17:00	16:00	17:00	19:00	16:00
	542	49.6	41.5	8.9	1	2	33	43	96	113	169	107	30	14	3	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
00:00	4	45.2	40.0	5.0	0	0	0	0	0	0	3	0	1	0	0	0
01:00	3	47.2	44.2	2.9	0	0	0	0	0	0	0	2	1	0	0	0
02:00	1	-	32.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	2	38.7	35.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
04:00	4	41.3	38.8	2.5	0	0	0	0	0	0	3	1	0	0	0	0
05:00	35	51.0	45.6	5.2	0	0	0	0	0	1	3	12	11	8	0	0
06:00	62	48.9	42.5	6.2	0	0	0	0	0	7	13	24	13	3	1	1
07:00	173	47.1	41.5	5.3	0	0	0	0	2	9	54	78	20	8	0	2
08:00	185	45.7	39.6	5.9	0	0	0	0	9	29	61	58	20	6	2	0
09:00	130	44.8	37.7	6.8	0	0	0	2	14	34	26	40	11	2	0	1
10:00	115	42.5	36.8	5.6	0	1	0	0	11	27	43	30	2	1	0	0
11:00	148	42.5	37.7	4.7	0	0	0	2	5	27	71	40	2	0	1	0
12:00	169	43.2	38.2	4.8	0	0	0	1	4	35	71	46	11	1	0	0
13:00	147	43.7	37.9	5.6	0	0	0	3	6	28	68	27	13	1	1	0
14:00	181	42.5	36.3	6.0	0	0	1	3	21	45	67	33	9	1	1	0
15:00	159	46.0	40.2	5.6	0	0	0	0	5	18	57	52	21	4	2	0
16:00	245	45.0	38.7	6.1	0	2	2	2	11	29	91	84	20	4	0	0
17:00	188	47.3	40.7	6.4	0	0	1	6	4	11	55	70	31	10	0	0
18:00	113	48.5	42.1	6.1	0	0	0	0	4	5	36	32	24	11	1	0
19:00	64	50.3	42.3	7.7	0	0	0	2	0	8	15	14	18	4	2	1
20:00	62	51.1	42.1	8.7	0	0	1	0	2	9	13	18	8	7	2	2
21:00	40	53.6	44.7	8.6	0	0	0	0	0	3	11	9	9	3	2	3
22:00	19	53.1	43.9	8.8	0	0	0	0	0	2	6	4	2	3	1	1
23:00	7	49.3	40.4	8.6	0	0	0	0	0	3	1	0	2	1	0	0
Total																
2H(10-12)	263	42.5	37.3	5.1	0	1	0	2	16	54	114	70	4	1	1	0
2H(14-16)	340	44.5	38.1	6.1	0	0	1	3	26	63	124	85	30	5	3	0
12H(7-19)	1953	45.2	39.0	6.0	0	3	4	19	96	297	700	590	184	49	8	3
24H(0-24)	2256	46.1	39.5	6.4	0	3	5	21	98	332	769	674	249	78	16	11
AM Peak	08:00	05:00	05:00	09:00	00:00	10:00	00:00	09:00	09:00	09:00	11:00	07:00	07:00	05:00	08:00	07:00
	185	51.0	45.6	6.8	0	1	0	2	14	34	71	78	20	8	2	2
PM Peak	16:00	21:00	21:00	22:00	12:00	16:00	16:00	17:00	14:00	14:00	16:00	16:00	17:00	18:00	15:00	21:00
	245	53.6	44.7	8.8	0	2	2	6	21	45	91	84	31	11	2	3

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Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<15	Bin 3 15<20	Bin 4 20<25	Bin 5 25<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
00:00	17	47.0	38.4	8.3	0	0	0	1	1	3	7	1	3	0	1	0
01:00	14	43.5	38.2	5.1	0	0	0	0	1	2	6	4	1	0	0	0
02:00	11	45.0	38.9	6.0	0	0	0	0	1	2	2	5	1	0	0	0
03:00	16	37.7	32.2	5.3	0	0	0	1	5	5	4	1	0	0	0	0
04:00	71	40.1	32.3	7.5	0	0	0	7	28	16	9	7	1	2	1	0
05:00	196	45.0	35.9	8.7	0	0	1	22	37	26	45	33	20	12	0	0
06:00	387	43.1	34.8	8.0	0	2	1	43	59	103	78	65	25	6	4	1
07:00	848	43.0	34.6	8.1	0	4	18	89	161	121	213	187	41	11	1	2
08:00	673	43.5	36.4	6.9	0	0	8	26	83	149	210	140	41	13	3	0
09:00	558	41.1	33.7	7.1	0	0	19	37	110	151	136	82	18	4	0	1
10:00	500	41.6	34.6	6.7	0	3	9	21	88	123	151	86	16	3	0	0
11:00	547	41.0	34.2	6.6	0	0	5	39	110	134	157	85	13	1	3	0
12:00	532	41.4	34.7	6.4	0	1	2	34	90	135	162	88	17	2	1	0
13:00	538	41.8	34.6	6.9	0	0	8	45	74	135	179	68	21	5	3	0
14:00	580	41.2	34.2	6.8	0	0	3	46	117	144	158	87	18	5	2	0
15:00	611	43.5	34.9	8.2	1	1	33	43	77	120	169	116	39	8	4	0
16:00	787	43.8	36.5	7.1	0	2	9	40	92	142	250	190	50	9	1	2
17:00	704	45.1	37.4	7.4	0	2	11	36	62	106	224	177	61	24	1	0
18:00	389	46.9	39.2	7.4	1	0	0	11	27	56	118	101	49	21	3	2
19:00	231	47.6	39.6	7.7	0	0	0	12	7	38	64	59	37	7	5	2
20:00	146	48.0	39.4	8.3	0	0	1	6	8	25	40	36	14	12	2	2
21:00	116	50.5	42.6	7.7	0	0	0	0	4	10	32	31	26	5	4	4
22:00	59	47.3	39.2	7.9	0	0	0	1	5	9	23	10	5	4	1	1
23:00	38	49.4	40.4	8.7	0	0	0	0	2	9	11	6	6	2	0	2
Total																
2H(10-12)	1047	41.3	34.4	6.7	0	3	14	60	198	257	308	171	29	4	3	0
2H(14-16)	1191	42.4	34.6	7.6	1	1	36	89	194	264	327	203	57	13	6	0
12H(7-19)	7267	43.0	35.4	7.3	2	13	125	467	1091	1516	2127	1407	384	106	22	7
24H(0-24)	8569	43.5	35.7	7.6	2	15	128	560	1249	1764	2448	1665	523	156	40	19
AM Peak	07:00	00:00	02:00	05:00	00:00	07:00	09:00	07:00	07:00	09:00	07:00	07:00	07:00	08:00	06:00	07:00
	848	47.0	38.9	8.7	0	4	19	89	161	151	213	187	41	13	4	2
PM Peak	16:00	21:00	21:00	23:00	15:00	16:00	15:00	14:00	14:00	14:00	16:00	16:00	17:00	17:00	19:00	21:00
	787	50.5	42.6	8.7	1	2	33	46	117	144	250	190	61	24	5	4

Paul Castle Associates



Appendix L : Automatic Traffic Survey Reports – Link 12

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	7	15	13	15	27	27	8	12	16
01:00	2	3	5	8	10	17	9	5	8
02:00	8	6	10	6	10	7	11	8	8
03:00	10	11	14	20	7	6	16	14	12
04:00	16	16	21	24	8	7	26	21	17
05:00	121	120	111	103	47	27	122	115	93
06:00	193	178	197	170	62	53	165	181	145
07:00	389	386	386	388	146	134	365	383	313
08:00	369	373	364	336	251	132	394	367	317
09:00	260	276	237	291	254	213	290	271	260
10:00	265	252	266	256	287	234	257	259	260
11:00	244	273	262	283	273	242	236	260	259
12:00	250	268	235	291	251	231	286	266	259
13:00	289	287	286	317	223	249	287	293	277
14:00	326	288	310	361	252	210	316	320	295
15:00	326	311	383	344	206	224	347	342	306
16:00	438	388	422	457	226	209	387	418	361
17:00	401	442	387	387	217	196	401	404	347
18:00	256	243	258	267	161	155	181	241	217
19:00	153	182	191	160	129	104	133	164	150
20:00	96	136	126	114	99	71	91	113	105
21:00	60	72	87	92	58	55	62	75	69
22:00	44	39	40	52	51	43	35	42	43
23:00	14	9	29	26	28	16	19	19	20
Total									
12H(7-19)	3813	3787	3796	3978	2747	2429	3747	3824	3471
16H(6-22)	4315	4355	4397	4514	3095	2712	4198	4356	3941
18H(6-24)	4373	4403	4466	4592	3174	2771	4252	4417	4004
24H(0-24)	4537	4574	4640	4768	3283	2862	4444	4593	4158
AM Peak	07:00 389	07:00 386	07:00 386	07:00 388	10:00 287	11:00 242	08:00 394	07:00 383	08:00 317
PM Peak	16:00 438	17:00 442	16:00 422	16:00 457	14:00 252	13:00 249	17:00 401	16:00 418	16:00 361

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Direction: Westbound

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	4	3	4	8	10	14	7	5	7
01:00	1	2	4	6	2	5	5	4	4
02:00	5	6	6	5	3	3	6	6	5
03:00	8	13	15	8	7	1	14	12	9
04:00	41	44	39	52	9	4	54	46	35
05:00	111	105	111	127	35	20	129	117	91
06:00	204	207	183	175	55	32	218	197	153
07:00	341	337	353	323	139	63	328	336	269
08:00	324	290	311	291	162	84	289	301	250
09:00	229	195	253	219	227	145	237	227	215
10:00	200	224	196	255	236	180	183	212	211
11:00	210	233	283	217	240	235	233	249	230
12:00	209	236	291	208	241	221	183	215	214
13:00	203	180	209	233	196	244	209	207	211
14:00	231	239	250	259	214	193	271	250	237
15:00	295	271	258	319	186	204	289	286	260
16:00	306	314	353	306	176	189	335	323	283
17:00	310	310	305	309	192	202	309	313	280
18:00	178	242	179	196	154	173	171	193	185
19:00	98	105	101	120	98	101	104	106	104
20:00	63	89	74	79	51	72	60	73	70
21:00	61	45	56	69	61	39	61	58	56
22:00	25	32	38	34	36	19	28	31	30
23:00	13	12	19	19	11	8	19	16	14
Total									
12H(7-19)	3036	3071	3112	3191	2338	2112	3053	3093	2845
16H(6-22)	3462	3517	3526	3634	2603	2356	3496	3527	3228
18H(6-24)	3500	3561	3583	3687	2650	2383	3543	3575	3272
24H(0-24)	3670	3734	3762	3893	2716	2430	3758	3763	3423
AM Peak	07:00 341	07:00 337	07:00 353	07:00 323	10:00 236	11:00 233	07:00 328	07:00 336	07:00 269
PM Peak	17:00 310	16:00 314	16:00 353	15:00 319	12:00 221	13:00 244	16:00 335	16:00 323	16:00 283

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Direction: Total Flow

Hour Beginning	Tue 06/06/2023	Wed 07/06/2023	Thu 08/06/2023	Fri 09/06/2023	Sat 10/06/2023	Sun 11/06/2023	Mon 12/06/2023	5-Day Ave.	7-Day Ave.
00:00	11	18	17	23	37	41	15	17	23
01:00	3	5	9	14	12	22	14	9	11
02:00	13	12	16	11	13	10	17	14	13
03:00	18	24	29	28	14	7	30	26	21
04:00	57	60	60	76	17	11	80	67	52
05:00	232	225	222	230	82	47	251	232	184
06:00	397	385	380	345	117	85	383	378	299
07:00	730	723	739	711	285	197	693	719	583
08:00	693	663	675	627	413	216	683	668	567
09:00	489	471	490	510	481	358	527	497	475
10:00	465	476	462	511	523	414	440	471	470
11:00	454	506	479	523	508	475	485	489	490
12:00	459	504	443	532	472	433	469	481	473
13:00	492	467	495	550	419	493	496	500	487
14:00	557	527	560	620	466	403	587	570	531
15:00	621	582	641	663	392	428	636	629	566
16:00	744	702	775	763	402	398	722	741	644
17:00	711	752	712	696	409	388	710	716	627
18:00	434	485	437	463	315	328	352	434	402
19:00	251	287	292	280	227	205	237	269	254
20:00	159	225	200	193	150	143	151	186	174
21:00	121	117	143	161	119	94	123	133	125
22:00	69	71	78	86	87	62	63	73	74
23:00	27	21	48	45	39	24	38	36	35
Total									
12H(7-19)	6849	6858	6908	7169	5085	4541	6800	6917	6316
16H(6-22)	7777	7872	7923	8148	5698	5068	7694	7883	7169
18H(6-24)	7873	7964	8049	8279	5824	5154	7795	7992	7277
24H(0-24)	8207	8308	8402	8661	5999	5292	8202	8356	7582
AM Peak	07:00 730	07:00 723	07:00 739	07:00 711	10:00 523	11:00 475	07:00 693	07:00 719	07:00 583
PM Peak	16:00 744	17:00 752	16:00 775	16:00 763	12:00 472	13:00 493	16:00 722	16:00 741	16:00 644

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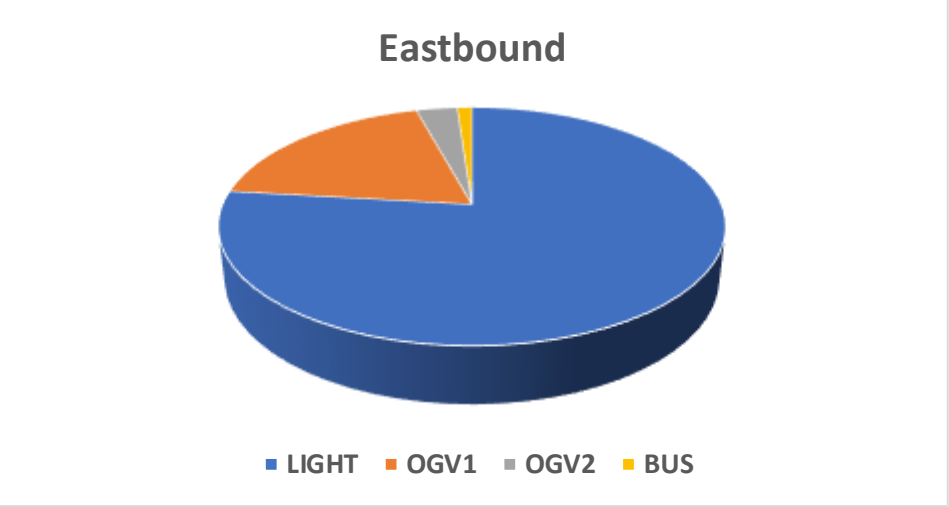


Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4537	3389	945	151	52
Wed 7 Jun 2023	4574	3465	867	176	66
Thu 8 Jun 2023	4640	3535	869	180	56
Fri 9 Jun 2023	4768	3641	920	161	46
Sat 10 Jun 2023	3283	2758	480	30	15
Sun 11 Jun 2023	2862	2340	467	20	35
Mon 12 Jun 2023	4444	3244	953	191	56
5 Day Ave.	4593	3455	911	172	55
7 Day Ave.	4158	3196	786	130	47

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	74.7%	20.8%	3.3%	1.1%
Wed 7 Jun 2023	100.0%	75.8%	19.0%	3.8%	1.4%
Thu 8 Jun 2023	100.0%	76.2%	18.7%	3.9%	1.2%
Fri 9 Jun 2023	100.0%	76.4%	19.3%	3.4%	1.0%
Sat 10 Jun 2023	100.0%	84.0%	14.6%	0.9%	0.5%
Sun 11 Jun 2023	100.0%	81.8%	16.3%	0.7%	1.2%
Mon 12 Jun 2023	100.0%	73.0%	21.4%	4.3%	1.3%
5 Day Ave.	100.0%	75.2%	19.8%	3.7%	1.2%
7 Day Ave.	100.0%	76.9%	18.9%	3.1%	1.1%

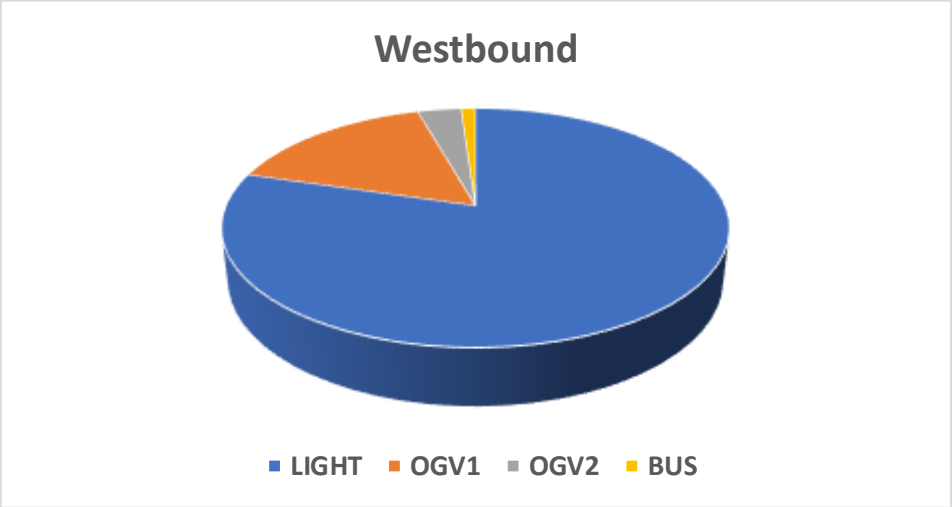
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Direction: Westbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	3670	2834	651	137	48
Wed 7 Jun 2023	3734	2891	611	183	49
Thu 8 Jun 2023	3762	2905	663	146	48
Fri 9 Jun 2023	3893	3109	626	116	42
Sat 10 Jun 2023	2716	2367	318	15	16
Sun 11 Jun 2023	2430	2085	310	17	18
Mon 12 Jun 2023	3758	2876	661	180	41
5 Day Ave.	3763	2923	642	152	46
7 Day Ave.	3423	2724	549	113	37

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	77.2%	17.7%	3.7%	1.3%
Wed 7 Jun 2023	100.0%	77.4%	16.4%	4.9%	1.3%
Thu 8 Jun 2023	100.0%	77.2%	17.6%	3.9%	1.3%
Fri 9 Jun 2023	100.0%	79.9%	16.1%	3.0%	1.1%
Sat 10 Jun 2023	100.0%	87.2%	11.7%	0.6%	0.6%
Sun 11 Jun 2023	100.0%	85.8%	12.8%	0.7%	0.7%
Mon 12 Jun 2023	100.0%	76.5%	17.6%	4.8%	1.1%
5 Day Ave.	100.0%	77.7%	17.1%	4.0%	1.2%
7 Day Ave.	100.0%	79.6%	16.0%	3.3%	1.1%

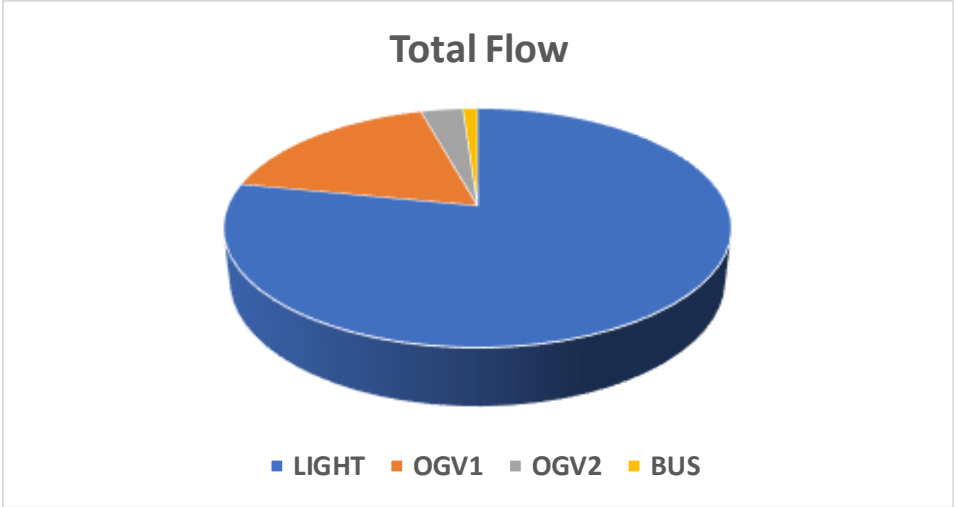
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	8207	6223	1596	288	100
Wed 7 Jun 2023	8308	6356	1478	359	115
Thu 8 Jun 2023	8402	6440	1532	326	104
Fri 9 Jun 2023	8661	6750	1546	277	88
Sat 10 Jun 2023	5999	5125	798	45	31
Sun 11 Jun 2023	5292	4425	777	37	53
Mon 12 Jun 2023	8202	6120	1614	371	97
5 Day Ave.	8356	6378	1553	324	101
7 Day Ave.	7582	5920	1334	243	84

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	75.8%	19.4%	3.5%	1.2%
Wed 7 Jun 2023	100.0%	76.5%	17.8%	4.3%	1.4%
Thu 8 Jun 2023	100.0%	76.6%	18.2%	3.9%	1.2%
Fri 9 Jun 2023	100.0%	77.9%	17.9%	3.2%	1.0%
Sat 10 Jun 2023	100.0%	85.4%	13.3%	0.8%	0.5%
Sun 11 Jun 2023	100.0%	83.6%	14.7%	0.7%	1.0%
Mon 12 Jun 2023	100.0%	74.6%	19.7%	4.5%	1.2%
5 Day Ave.	100.0%	76.3%	18.6%	3.9%	1.2%
7 Day Ave.	100.0%	78.1%	17.6%	3.2%	1.1%

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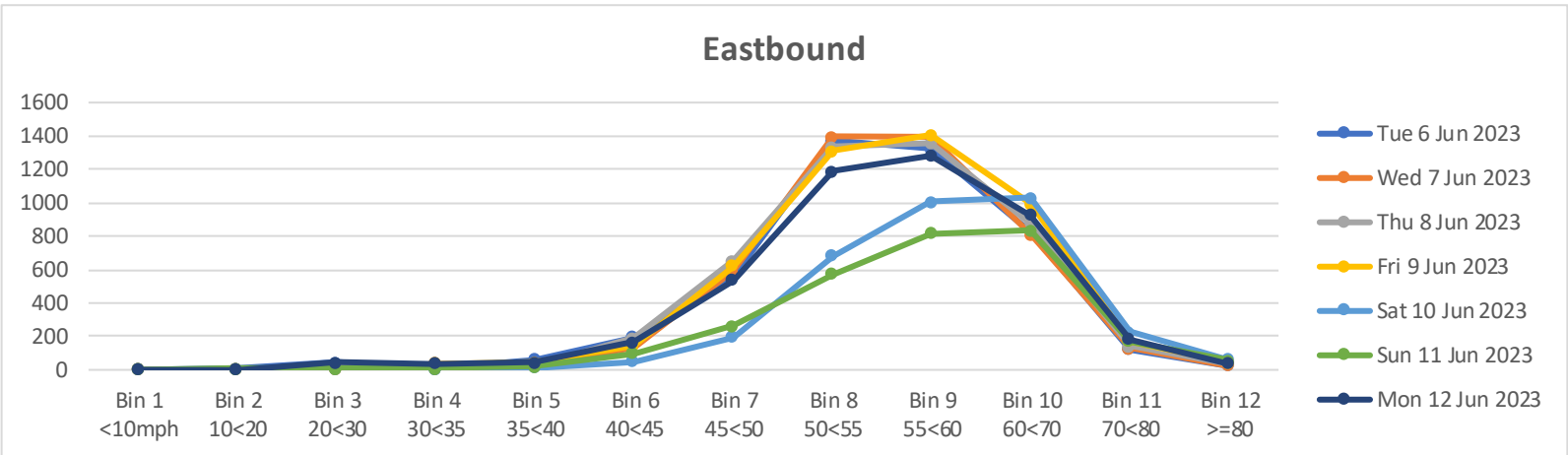


Tween Bridge ATC 12, A18 High Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	4537	63.9	55.4	8.1	0	5	41	10	60	198	554	1373	1320	827	125	24
Wed 7 Jun 2023	4574	63.7	55.7	7.7	1	3	7	40	40	138	592	1393	1395	808	129	28
Thu 8 Jun 2023	4640	64.1	55.9	7.9	0	3	18	8	23	188	653	1332	1357	879	142	37
Fri 9 Jun 2023	4768	64.8	56.4	8.1	0	1	3	40	41	139	622	1310	1406	991	169	46
Sat 10 Jun 2023	3283	68.1	59.5	8.3	0	3	3	10	13	51	194	684	1006	1032	228	59
Sun 11 Jun 2023	2862	67.8	58.4	9.1	0	7	8	9	22	100	263	576	816	836	172	53
Mon 12 Jun 2023	4444	65.3	56.2	8.7	0	1	41	37	41	163	539	1189	1282	927	184	40
5 Day Ave.	4593	64.4	56.0	8.1	0	3	22	27	41	165	592	1319	1352	886	150	35
7 Day Ave.	4158	65.4	56.8	8.3	0	3	17	22	34	140	488	1122	1226	900	164	41

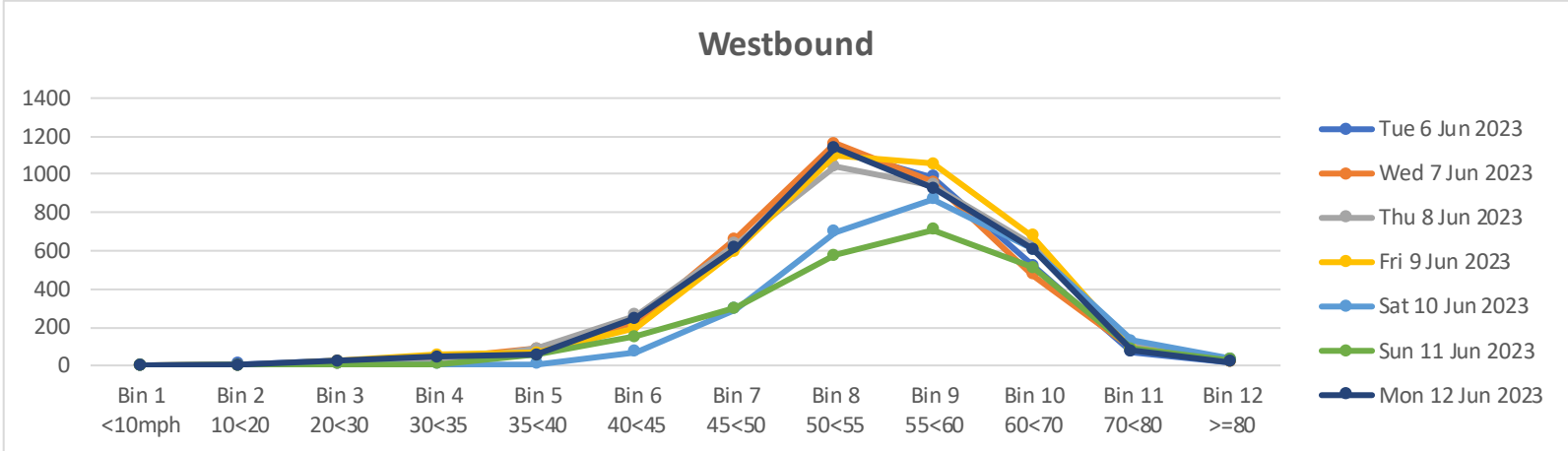
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Direction: Westbound

	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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	3670	62.4	54.2	7.9	0	4	22	22	54	232	610	1130	988	523	70	15
Wed 7 Jun 2023	3734	62.3	54.0	8.1	0	3	9	35	88	225	661	1164	962	476	88	23
Thu 8 Jun 2023	3762	63.3	54.6	8.4	0	1	12	17	87	263	637	1042	942	628	106	27
Fri 9 Jun 2023	3893	63.5	54.8	8.4	0	0	22	54	66	200	598	1099	1058	680	91	25
Sat 10 Jun 2023	2716	65.6	57.4	7.9	0	0	5	5	6	68	296	699	869	606	131	31
Sun 11 Jun 2023	2430	65.2	56.1	8.8	0	2	5	7	56	148	297	578	708	511	89	29
Mon 12 Jun 2023	3758	62.8	54.3	8.3	0	3	23	45	55	245	615	1139	928	609	78	18
5 Day Ave.	3763	62.9	54.4	8.2	0	2	18	35	70	233	624	1115	976	583	87	22
7 Day Ave.	3423	63.6	55.1	8.2	0	2	14	26	59	197	531	979	922	576	93	24

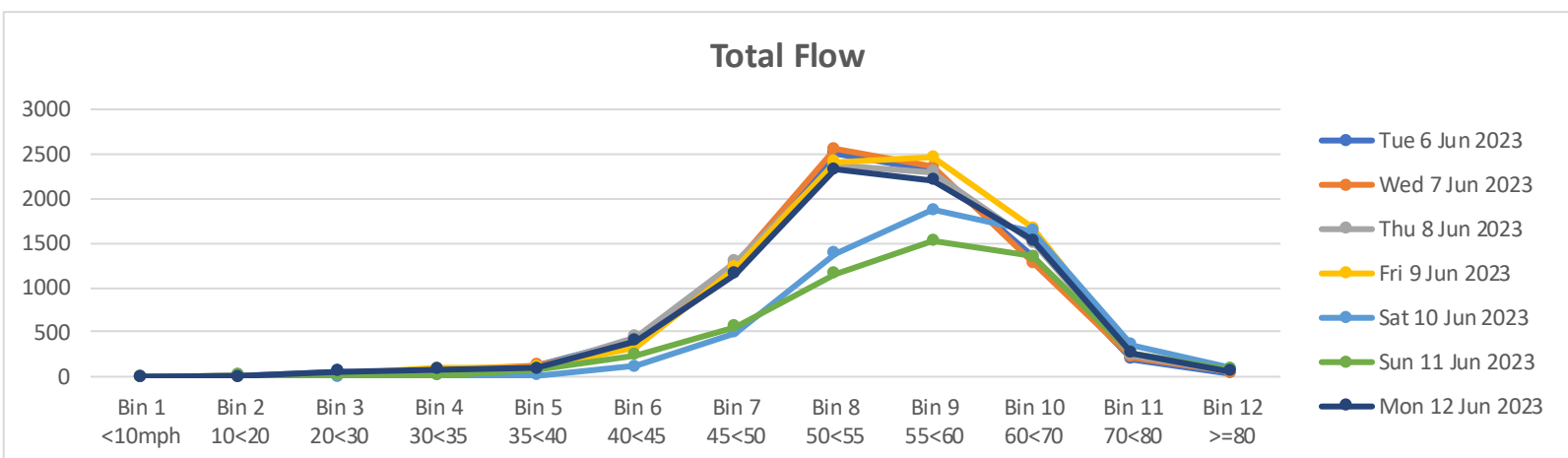
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	8207	63.2	54.9	8.1	0	9	63	32	114	430	1164	2503	2308	1350	195	39
Wed 7 Jun 2023	8308	63.2	54.9	7.9	1	6	16	75	128	363	1253	2557	2357	1284	217	51
Thu 8 Jun 2023	8402	63.8	55.3	8.2	0	4	30	25	110	451	1290	2374	2299	1507	248	64
Fri 9 Jun 2023	8661	64.2	55.7	8.2	0	1	25	94	107	339	1220	2409	2464	1671	260	71
Sat 10 Jun 2023	5999	67.1	58.6	8.2	0	3	8	15	19	119	490	1383	1875	1638	359	90
Sun 11 Jun 2023	5292	66.7	57.3	9.0	0	9	13	16	78	248	560	1154	1524	1347	261	82
Mon 12 Jun 2023	8202	64.2	55.3	8.6	0	4	64	82	96	408	1154	2328	2210	1536	262	58
5 Day Ave.	8356	63.7	55.2	8.2	0	5	40	62	111	398	1216	2434	2328	1470	236	57
7 Day Ave.	7582	64.6	56.0	8.3	0	5	31	48	93	337	1019	2101	2148	1476	257	65

Paul Castle Associates



Tween Bridge ATC 12, A18 High Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	509	61.3	53.5	7.5	0	0	2	2	13	35	86	185	118	57	9	2
Wed 7 Jun 2023	525	61.1	52.8	8.0	0	3	5	13	8	22	83	200	141	44	4	2
Thu 8 Jun 2023	528	60.4	53.4	6.8	0	0	0	0	2	37	119	200	100	62	6	2
Fri 9 Jun 2023	539	61.9	54.8	6.9	0	0	0	1	8	23	78	183	158	78	9	1
Sat 10 Jun 2023	560	66.8	59.1	7.4	0	0	1	0	0	7	30	130	175	190	18	9
Sun 11 Jun 2023	476	65.3	56.1	8.9	0	2	2	3	2	23	76	107	128	113	15	5
Mon 12 Jun 2023	493	62.0	54.9	6.8	0	0	1	2	2	17	71	173	155	59	12	1
5 Day Ave.	519	61.3	53.9	7.2	0	1	2	4	7	27	87	188	134	60	8	2
7 Day Ave.	519	62.7	54.9	7.5	0	1	2	3	5	23	78	168	139	86	10	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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	410	60.7	52.6	7.8	0	0	3	9	5	44	76	125	90	57	1	0
Wed 7 Jun 2023	457	60.0	51.9	7.8	0	2	1	5	21	35	90	170	98	28	4	3
Thu 8 Jun 2023	413	60.3	52.1	8.0	0	0	5	2	16	36	101	116	88	46	1	2
Fri 9 Jun 2023	495	62.0	53.1	8.5	0	0	0	10	8	60	99	127	110	70	6	5
Sat 10 Jun 2023	471	64.6	56.5	7.8	0	0	0	2	0	23	61	117	155	87	24	2
Sun 11 Jun 2023	413	63.8	55.7	7.8	0	0	1	1	4	16	64	117	122	75	8	5
Mon 12 Jun 2023	432	60.3	52.8	7.2	0	0	0	1	7	31	115	146	79	45	6	2
5 Day Ave.	441	60.6	52.5	7.9	0	0	2	5	11	41	96	137	93	49	4	2
7 Day Ave.	442	61.7	53.5	7.9	0	0	1	4	9	35	87	131	106	58	7	3

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	919	61.0	53.1	7.7	0	0	5	11	18	79	162	310	208	114	10	2
Wed 7 Jun 2023	982	60.6	52.4	7.9	0	5	6	18	29	57	173	370	239	72	8	5
Thu 8 Jun 2023	941	60.4	52.8	7.3	0	0	5	2	18	73	220	316	188	108	7	4
Fri 9 Jun 2023	1034	62.0	54.0	7.8	0	0	0	11	16	83	177	310	268	148	15	6
Sat 10 Jun 2023	1031	65.9	57.9	7.7	0	0	1	2	0	30	91	247	330	277	42	11
Sun 11 Jun 2023	889	64.6	55.9	8.4	0	2	3	4	6	39	140	224	250	188	23	10
Mon 12 Jun 2023	925	61.3	53.9	7.0	0	0	1	3	9	48	186	319	234	104	18	3
5 Day Ave.	960	61.1	53.2	7.6	0	1	3	9	18	68	184	325	227	109	12	4
7 Day Ave.	960	62.3	54.3	7.7	0	1	3	7	14	58	164	299	245	144	18	6

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	652	62.2	53.1	8.7	0	0	21	2	15	38	105	206	166	89	10	0
Wed 7 Jun 2023	599	61.5	54.5	6.8	0	0	0	4	4	32	84	217	171	76	10	1
Thu 8 Jun 2023	693	63.2	54.4	8.5	0	1	13	1	2	30	153	173	186	114	18	2
Fri 9 Jun 2023	705	63.5	55.1	8.1	0	0	0	19	6	21	100	229	190	118	16	6
Sat 10 Jun 2023	458	68.0	59.8	7.9	0	0	0	0	0	10	27	79	155	147	32	8
Sun 11 Jun 2023	434	67.2	58.1	8.7	0	1	4	0	7	7	25	96	150	116	22	6
Mon 12 Jun 2023	663	62.6	53.8	8.5	0	0	13	2	12	40	125	171	192	94	11	3
5 Day Ave.	662	62.6	54.2	8.1	0	0	9	6	8	32	113	199	181	98	13	2
7 Day Ave.	601	64.0	55.6	8.2	0	0	7	4	7	25	88	167	173	108	17	4

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	526	60.3	53.3	6.7	0	0	0	0	6	34	122	178	126	52	6	2
Wed 7 Jun 2023	510	60.0	52.5	7.2	0	0	0	8	16	34	106	182	109	50	4	1
Thu 8 Jun 2023	508	61.9	53.6	8.0	0	1	0	0	11	61	79	154	122	67	11	2
Fri 9 Jun 2023	578	62.6	53.6	8.7	0	0	7	26	7	16	95	172	167	77	8	3
Sat 10 Jun 2023	400	64.9	57.2	7.5	0	0	0	0	3	8	34	126	123	90	10	6
Sun 11 Jun 2023	397	64.8	55.0	9.5	0	0	0	1	25	36	42	91	115	61	23	3
Mon 12 Jun 2023	560	59.4	51.6	7.5	0	0	0	13	14	72	119	183	104	51	2	2
5 Day Ave.	536	60.8	52.9	7.6	0	0	1	9	11	43	104	174	126	59	6	2
7 Day Ave.	497	62.0	53.8	7.9	0	0	1	7	12	37	85	155	124	64	9	3

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	1178	61.4	53.2	7.9	0	0	21	2	21	72	227	384	292	141	16	2
Wed 7 Jun 2023	1109	60.9	53.6	7.1	0	0	0	12	20	66	190	399	280	126	14	2
Thu 8 Jun 2023	1201	62.7	54.1	8.3	0	2	13	1	13	91	232	327	308	181	29	4
Fri 9 Jun 2023	1283	63.1	54.4	8.4	0	0	7	45	13	37	195	401	357	195	24	9
Sat 10 Jun 2023	858	66.7	58.6	7.8	0	0	0	0	3	18	61	205	278	237	42	14
Sun 11 Jun 2023	831	66.2	56.6	9.2	0	1	4	1	32	43	67	187	265	177	45	9
Mon 12 Jun 2023	1223	61.2	52.8	8.1	0	0	13	15	26	112	244	354	296	145	13	5
5 Day Ave.	1199	61.9	53.6	8.0	0	0	11	15	19	76	218	373	307	158	19	4
7 Day Ave.	1098	63.2	54.8	8.1	0	0	8	11	18	63	174	322	297	172	26	6

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	2	1	1	0	0
02:00	8	7	1	0	0
03:00	10	6	2	2	0
04:00	16	12	3	0	1
05:00	121	110	9	2	0
06:00	193	149	37	4	3
07:00	389	307	74	6	2
08:00	369	260	90	13	6
09:00	260	171	68	14	7
10:00	265	179	66	14	6
11:00	244	164	64	11	5
12:00	250	172	64	11	3
13:00	289	202	78	7	2
14:00	326	242	66	12	6
15:00	326	226	83	15	2
16:00	438	345	72	17	4
17:00	401	331	56	14	0
18:00	256	202	47	5	2
19:00	153	129	23	0	1
20:00	96	73	21	2	0
21:00	60	47	11	1	1
22:00	44	34	8	1	1
23:00	14	13	1	0	0
Total					
12H(7-19)	3813	2801	828	139	45
16H(6-22)	4315	3199	920	146	50
18H(6-24)	4373	3246	929	147	51
24H(0-24)	4537	3389	945	151	52
AM Peak	07:00 389	07:00 307	08:00 90	09:00 14	09:00 7
PM Peak	16:00 438	16:00 345	15:00 83	16:00 17	14:00 6

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	0	1	0
01:00	1	1	0	0	0
02:00	5	4	1	0	0
03:00	8	6	0	2	0
04:00	41	25	8	7	1
05:00	111	90	7	14	0
06:00	204	149	34	16	5
07:00	341	274	54	12	1
08:00	324	267	45	9	3
09:00	229	148	67	12	2
10:00	200	137	48	12	3
11:00	210	150	50	6	4
12:00	209	155	43	7	4
13:00	203	126	52	16	9
14:00	231	175	49	5	2
15:00	295	222	60	8	5
16:00	306	240	57	3	6
17:00	310	277	29	3	1
18:00	178	158	19	1	0
19:00	98	84	13	1	0
20:00	63	55	7	0	1
21:00	61	56	5	0	0
22:00	25	22	2	1	0
23:00	13	10	1	1	1
Total					
12H(7-19)	3036	2329	573	94	40
16H(6-22)	3462	2673	632	111	46
18H(6-24)	3500	2705	635	113	47
24H(0-24)	3670	2834	651	137	48
AM Peak	07:00 341	07:00 274	09:00 67	06:00 16	06:00 5
PM Peak	17:00 310	17:00 277	15:00 60	13:00 16	13:00 9

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	10	0	1	0
01:00	3	2	1	0	0
02:00	13	11	2	0	0
03:00	18	12	2	4	0
04:00	57	37	11	7	2
05:00	232	200	16	16	0
06:00	397	298	71	20	8
07:00	730	581	128	18	3
08:00	693	527	135	22	9
09:00	489	319	135	26	9
10:00	465	316	114	26	9
11:00	454	314	114	17	9
12:00	459	327	107	18	7
13:00	492	328	130	23	11
14:00	557	417	115	17	8
15:00	621	448	143	23	7
16:00	744	585	129	20	10
17:00	711	608	85	17	1
18:00	434	360	66	6	2
19:00	251	213	36	1	1
20:00	159	128	28	2	1
21:00	121	103	16	1	1
22:00	69	56	10	2	1
23:00	27	23	2	1	1
Total					
12H(7-19)	6849	5130	1401	233	85
16H(6-22)	7777	5872	1552	257	96
18H(6-24)	7873	5951	1564	260	98
24H(0-24)	8207	6223	1596	288	100
AM Peak	07:00 730	07:00 581	08:00 135	09:00 26	08:00 9
PM Peak	16:00 744	17:00 608	15:00 143	13:00 23	13:00 11

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	12	2	0	1
01:00	3	1	2	0	0
02:00	6	5	1	0	0
03:00	11	7	2	2	0
04:00	16	15	1	0	0
05:00	120	110	8	2	0
06:00	178	140	32	5	1
07:00	386	311	63	7	5
08:00	373	286	70	9	8
09:00	276	192	66	10	8
10:00	252	174	58	14	6
11:00	273	183	67	19	4
12:00	268	184	64	12	8
13:00	287	205	64	12	6
14:00	288	211	48	23	6
15:00	311	203	78	26	4
16:00	388	306	61	18	3
17:00	442	365	70	7	0
18:00	243	193	44	2	4
19:00	182	143	33	5	1
20:00	136	120	13	3	0
21:00	72	59	13	0	0
22:00	39	33	6	0	0
23:00	9	7	1	0	1
Total					
12H(7-19)	3787	2813	753	159	62
16H(6-22)	4355	3275	844	172	64
18H(6-24)	4403	3315	851	172	65
24H(0-24)	4574	3465	867	176	66
AM Peak	07:00 386	07:00 311	08:00 70	11:00 19	08:00 8
PM Peak	17:00 442	17:00 365	15:00 78	15:00 26	12:00 8

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	2	1	0	0	1
02:00	6	6	0	0	0
03:00	13	9	1	3	0
04:00	44	33	2	9	0
05:00	105	79	7	17	2
06:00	207	140	43	19	5
07:00	337	276	43	15	3
08:00	290	238	42	8	2
09:00	195	142	37	14	2
10:00	224	160	48	15	1
11:00	233	166	49	14	4
12:00	236	160	53	13	10
13:00	180	121	45	12	2
14:00	239	182	42	12	3
15:00	271	204	54	7	6
16:00	314	258	37	13	6
17:00	310	266	37	6	1
18:00	242	207	30	5	0
19:00	105	93	11	0	1
20:00	89	71	17	1	0
21:00	45	39	6	0	0
22:00	32	29	3	0	0
23:00	12	8	4	0	0
Total					
12H(7-19)	3071	2380	517	134	40
16H(6-22)	3517	2723	594	154	46
18H(6-24)	3561	2760	601	154	46
24H(0-24)	3734	2891	611	183	49
AM Peak	07:00 337	07:00 276	11:00 49	06:00 19	06:00 5
PM Peak	16:00 314	17:00 266	15:00 54	12:00 13	12:00 10

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	18	15	2	0	1
01:00	5	2	2	0	1
02:00	12	11	1	0	0
03:00	24	16	3	5	0
04:00	60	48	3	9	0
05:00	225	189	15	19	2
06:00	385	280	75	24	6
07:00	723	587	106	22	8
08:00	663	524	112	17	10
09:00	471	334	103	24	10
10:00	476	334	106	29	7
11:00	506	349	116	33	8
12:00	504	344	117	25	18
13:00	467	326	109	24	8
14:00	527	393	90	35	9
15:00	582	407	132	33	10
16:00	702	564	98	31	9
17:00	752	631	107	13	1
18:00	485	400	74	7	4
19:00	287	236	44	5	2
20:00	225	191	30	4	0
21:00	117	98	19	0	0
22:00	71	62	9	0	0
23:00	21	15	5	0	1
Total					
12H(7-19)	6858	5193	1270	293	102
16H(6-22)	7872	5998	1438	326	110
18H(6-24)	7964	6075	1452	326	111
24H(0-24)	8308	6356	1478	359	115
AM Peak	07:00 723	07:00 587	11:00 116	11:00 33	08:00 10
PM Peak	17:00 752	17:00 631	15:00 132	14:00 35	12:00 18

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	12	1	0	0
01:00	5	2	2	1	0
02:00	10	8	2	0	0
03:00	14	11	2	1	0
04:00	21	14	4	3	0
05:00	111	96	14	1	0
06:00	197	165	29	2	1
07:00	386	310	61	12	3
08:00	364	270	77	7	10
09:00	237	150	69	16	2
10:00	266	171	77	12	6
11:00	262	175	64	14	9
12:00	235	154	59	21	1
13:00	286	203	63	13	7
14:00	310	226	61	19	4
15:00	383	289	67	22	5
16:00	422	324	69	23	6
17:00	387	338	43	5	1
18:00	258	219	35	4	0
19:00	191	163	27	0	1
20:00	126	102	22	2	0
21:00	87	73	14	0	0
22:00	40	36	3	1	0
23:00	29	24	4	1	0
Total					
12H(7-19)	3796	2829	745	168	54
16H(6-22)	4397	3332	837	172	56
18H(6-24)	4466	3392	844	174	56
24H(0-24)	4640	3535	869	180	56
AM Peak	07:00	07:00	08:00	09:00	08:00
	386	310	77	16	10
PM Peak	16:00	17:00	16:00	16:00	13:00
	422	338	69	23	7

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	3	1	0	0
01:00	4	3	0	1	0
02:00	6	6	0	0	0
03:00	15	11	2	2	0
04:00	39	29	3	7	0
05:00	111	90	15	6	0
06:00	183	121	43	14	5
07:00	353	275	55	20	3
08:00	311	247	53	10	1
09:00	253	183	61	7	2
10:00	196	140	41	9	6
11:00	217	148	52	15	2
12:00	208	142	49	11	6
13:00	209	163	31	12	3
14:00	250	170	68	9	3
15:00	258	192	54	6	6
16:00	353	288	51	7	7
17:00	325	287	32	4	2
18:00	179	153	23	3	0
19:00	101	93	8	0	0
20:00	74	59	12	2	1
21:00	56	52	4	0	0
22:00	38	36	2	0	0
23:00	19	14	3	1	1
Total					
12H(7-19)	3112	2388	570	113	41
16H(6-22)	3526	2713	637	129	47
18H(6-24)	3583	2763	642	130	48
24H(0-24)	3762	2905	663	146	48
AM Peak	07:00	07:00	09:00	07:00	10:00
	353	275	61	20	6
PM Peak	16:00	16:00	14:00	13:00	16:00
	353	288	68	12	7

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	15	2	0	0
01:00	9	5	2	2	0
02:00	16	14	2	0	0
03:00	29	22	4	3	0
04:00	60	43	7	10	0
05:00	222	186	29	7	0
06:00	380	286	72	16	6
07:00	739	585	116	32	6
08:00	675	517	130	17	11
09:00	490	333	130	23	4
10:00	462	311	118	21	12
11:00	479	323	116	29	11
12:00	443	296	108	32	7
13:00	495	366	94	25	10
14:00	560	396	129	28	7
15:00	641	481	121	28	11
16:00	775	612	120	30	13
17:00	712	625	75	9	3
18:00	437	372	58	7	0
19:00	292	256	35	0	1
20:00	200	161	34	4	1
21:00	143	125	18	0	0
22:00	78	72	5	1	0
23:00	48	38	7	2	1
Total					
12H(7-19)	6908	5217	1315	281	95
16H(6-22)	7923	6045	1474	301	103
18H(6-24)	8049	6155	1486	304	104
24H(0-24)	8402	6440	1532	326	104
AM Peak	07:00	07:00	08:00	07:00	10:00
	739	585	130	32	12
PM Peak	16:00	17:00	14:00	12:00	16:00
	775	625	129	32	13

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	13	1	1	0
01:00	8	6	2	0	0
02:00	6	4	1	1	0
03:00	20	14	5	1	0
04:00	24	20	4	0	0
05:00	103	89	13	1	0
06:00	170	138	26	4	2
07:00	388	306	70	8	4
08:00	336	259	58	10	9
09:00	291	206	64	15	6
10:00	256	178	57	17	4
11:00	283	182	76	20	5
12:00	291	214	63	12	2
13:00	317	216	79	18	4
14:00	361	252	90	15	4
15:00	344	261	69	14	0
16:00	457	379	67	11	0
17:00	387	320	60	5	2
18:00	267	223	38	4	2
19:00	160	125	34	0	1
20:00	114	96	15	2	1
21:00	92	73	19	0	0
22:00	52	43	7	2	0
23:00	26	24	2	0	0
Total					
12H(7-19)	3978	2996	791	149	42
16H(6-22)	4514	3428	885	155	46
18H(6-24)	4592	3495	894	157	46
24H(0-24)	4768	3641	920	161	46
AM Peak	07:00 388	07:00 306	11:00 76	11:00 20	08:00 9
PM Peak	16:00 457	16:00 379	14:00 90	13:00 18	13:00 4

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	1	0	0
01:00	6	5	1	0	0
02:00	5	4	1	0	0
03:00	8	8	0	0	0
04:00	52	37	6	8	1
05:00	127	97	15	15	0
06:00	175	117	42	11	5
07:00	323	261	45	15	2
08:00	291	231	52	7	1
09:00	219	168	35	11	5
10:00	255	185	59	7	4
11:00	240	191	37	7	5
12:00	241	187	42	7	5
13:00	233	172	44	12	5
14:00	259	200	50	7	2
15:00	319	265	47	5	2
16:00	306	258	45	1	2
17:00	309	272	35	0	2
18:00	196	171	24	1	0
19:00	120	100	20	0	0
20:00	79	71	7	0	1
21:00	69	60	9	0	0
22:00	34	28	6	0	0
23:00	19	14	3	2	0
Total					
12H(7-19)	3191	2561	515	80	35
16H(6-22)	3634	2909	593	91	41
18H(6-24)	3687	2951	602	93	41
24H(0-24)	3893	3109	626	116	42
AM Peak	07:00 323	07:00 261	10:00 59	05:00 15	06:00 5
PM Peak	15:00 319	17:00 272	14:00 50	13:00 12	12:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	23	20	2	1	0
01:00	14	11	3	0	0
02:00	11	8	2	1	0
03:00	28	22	5	1	0
04:00	76	57	10	8	1
05:00	230	186	28	16	0
06:00	345	255	68	15	7
07:00	711	567	115	23	6
08:00	627	490	110	17	10
09:00	510	374	99	26	11
10:00	511	363	116	24	8
11:00	523	373	113	27	10
12:00	532	401	105	19	7
13:00	550	388	123	30	9
14:00	620	452	140	22	6
15:00	663	526	116	19	2
16:00	763	637	112	12	2
17:00	696	592	95	5	4
18:00	463	394	62	5	2
19:00	280	225	54	0	1
20:00	193	167	22	2	2
21:00	161	133	28	0	0
22:00	86	71	13	2	0
23:00	45	38	5	2	0
Total					
12H(7-19)	7169	5557	1306	229	77
16H(6-22)	8148	6337	1478	246	87
18H(6-24)	8279	6446	1496	250	87
24H(0-24)	8661	6750	1546	277	88
AM Peak	07:00 711	07:00 567	10:00 116	11:00 27	09:00 11
PM Peak	16:00 763	16:00 637	14:00 140	13:00 30	13:00 9

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	27	22	4	1	0
01:00	10	8	2	0	0
02:00	10	9	0	0	1
03:00	7	7	0	0	0
04:00	8	5	1	2	0
05:00	47	38	8	1	0
06:00	62	49	11	1	1
07:00	146	112	31	1	2
08:00	251	208	36	6	1
09:00	254	211	40	3	0
10:00	287	249	36	1	1
11:00	273	228	42	3	0
12:00	251	214	34	0	3
13:00	223	189	30	2	2
14:00	252	215	32	5	0
15:00	206	161	44	0	1
16:00	226	187	36	1	2
17:00	217	183	32	2	0
18:00	161	142	19	0	0
19:00	129	114	14	0	1
20:00	99	89	10	0	0
21:00	58	51	6	1	0
22:00	51	42	9	0	0
23:00	28	25	3	0	0
Total					
12H(7-19)	2747	2299	412	24	12
16H(6-22)	3095	2602	453	26	14
18H(6-24)	3174	2669	465	26	14
24H(0-24)	3283	2758	480	30	15
AM Peak	10:00 287	10:00 249	11:00 42	08:00 6	07:00 2
PM Peak	14:00 252	14:00 215	15:00 44	14:00 5	12:00 3

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	10	0	0	0
01:00	2	2	0	0	0
02:00	3	3	0	0	0
03:00	7	6	1	0	0
04:00	9	9	0	0	0
05:00	35	27	6	1	1
06:00	55	42	11	1	1
07:00	139	114	22	2	1
08:00	162	136	25	1	0
09:00	227	191	34	0	2
10:00	236	208	26	1	1
11:00	235	211	23	0	1
12:00	221	191	27	2	1
13:00	196	172	22	1	1
14:00	214	195	17	1	1
15:00	186	165	17	1	3
16:00	176	157	19	0	0
17:00	192	166	24	1	1
18:00	154	130	21	2	1
19:00	98	84	13	0	1
20:00	51	48	3	0	0
21:00	61	54	6	1	0
22:00	36	35	1	0	0
23:00	11	11	0	0	0
Total					
12H(7-19)	2338	2036	277	12	13
16H(6-22)	2603	2264	310	14	15
18H(6-24)	2650	2310	311	14	15
24H(0-24)	2716	2367	318	15	16
AM Peak	10:00 236	11:00 211	09:00 34	07:00 2	09:00 2
PM Peak	12:00 221	14:00 195	12:00 27	12:00 2	15:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	37	32	4	1	0
01:00	12	10	2	0	0
02:00	13	12	0	0	1
03:00	14	13	1	0	0
04:00	17	14	1	2	0
05:00	82	65	14	2	1
06:00	117	91	22	2	2
07:00	285	226	53	3	3
08:00	413	344	61	7	1
09:00	481	402	74	3	2
10:00	523	457	62	2	2
11:00	508	439	65	3	1
12:00	472	405	61	2	4
13:00	419	361	52	3	3
14:00	466	410	49	6	1
15:00	392	326	61	1	4
16:00	402	344	55	1	2
17:00	409	349	56	3	1
18:00	315	272	40	2	1
19:00	227	198	27	0	2
20:00	150	137	13	0	0
21:00	119	105	12	2	0
22:00	87	77	10	0	0
23:00	39	36	3	0	0
Total					
12H(7-19)	5085	4335	689	36	25
16H(6-22)	5698	4866	763	40	29
18H(6-24)	5824	4979	776	40	29
24H(0-24)	5999	5125	798	45	31
AM Peak	10:00 523	10:00 457	09:00 74	08:00 7	07:00 3
PM Peak	12:00 472	14:00 410	12:00 61	14:00 6	12:00 4

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	27	25	2	0	0
01:00	17	15	2	0	0
02:00	7	7	0	0	0
03:00	6	6	0	0	0
04:00	7	5	2	0	0
05:00	27	24	3	0	0
06:00	53	42	8	0	3
07:00	134	94	36	1	3
08:00	132	99	28	0	5
09:00	213	171	34	2	6
10:00	234	189	38	3	4
11:00	242	192	45	3	2
12:00	231	196	30	3	2
13:00	249	210	35	2	2
14:00	210	177	30	3	0
15:00	224	180	41	1	2
16:00	209	178	31	0	0
17:00	196	164	29	2	1
18:00	155	127	26	0	2
19:00	104	90	13	0	1
20:00	71	58	13	0	0
21:00	55	42	12	0	1
22:00	43	34	9	0	0
23:00	16	15	0	0	1
Total					
12H(7-19)	2429	1977	403	20	29
16H(6-22)	2712	2209	449	20	34
18H(6-24)	2771	2258	458	20	35
24H(0-24)	2862	2340	467	20	35
AM Peak	11:00 242	11:00 192	11:00 45	10:00 3	09:00 6
PM Peak	13:00 249	13:00 210	15:00 41	12:00 3	12:00 2

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	14	0	0	0
01:00	5	5	0	0	0
02:00	3	2	1	0	0
03:00	1	1	0	0	0
04:00	4	4	0	0	0
05:00	20	18	1	1	0
06:00	32	29	3	0	0
07:00	63	48	14	0	1
08:00	84	66	18	0	0
09:00	145	130	13	2	0
10:00	180	158	21	1	0
11:00	233	201	28	3	1
12:00	202	169	31	1	1
13:00	244	211	26	4	3
14:00	193	160	29	1	3
15:00	204	188	16	0	0
16:00	189	161	25	0	3
17:00	202	160	37	2	3
18:00	173	152	20	0	1
19:00	101	87	11	2	1
20:00	72	61	11	0	0
21:00	39	36	2	0	1
22:00	19	16	3	0	0
23:00	8	8	0	0	0
Total					
12H(7-19)	2112	1804	278	14	16
16H(6-22)	2356	2017	305	16	18
18H(6-24)	2383	2041	308	16	18
24H(0-24)	2430	2085	310	17	18
AM Peak	11:00 233	11:00 201	11:00 28	11:00 3	07:00 1
PM Peak	13:00 244	13:00 211	17:00 37	13:00 4	13:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	41	39	2	0	0
01:00	22	20	2	0	0
02:00	10	9	1	0	0
03:00	7	7	0	0	0
04:00	11	9	2	0	0
05:00	47	42	4	1	0
06:00	85	71	11	0	3
07:00	197	142	50	1	4
08:00	216	165	46	0	5
09:00	358	301	47	4	6
10:00	414	347	59	4	4
11:00	475	393	73	6	3
12:00	433	365	61	4	3
13:00	493	421	61	6	5
14:00	403	337	59	4	3
15:00	428	368	57	1	2
16:00	398	339	56	0	3
17:00	398	324	66	4	4
18:00	328	279	46	0	3
19:00	205	177	24	2	2
20:00	143	119	24	0	0
21:00	94	78	14	0	2
22:00	62	50	12	0	0
23:00	24	23	0	0	1
Total					
12H(7-19)	4541	3781	681	34	45
16H(6-22)	5068	4226	754	36	52
18H(6-24)	5154	4299	766	36	53
24H(0-24)	5292	4425	777	37	53
AM Peak	11:00 475	11:00 393	11:00 73	11:00 6	09:00 6
PM Peak	13:00 493	13:00 421	17:00 66	13:00 6	13:00 5

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	9	7	2	0	0
02:00	11	9	2	0	0
03:00	16	14	2	0	0
04:00	26	20	5	1	0
05:00	122	103	19	0	0
06:00	165	135	29	1	0
07:00	365	277	71	10	7
08:00	394	281	87	14	12
09:00	290	204	71	10	5
10:00	257	167	67	14	9
11:00	236	139	81	14	2
12:00	286	184	79	19	4
13:00	287	196	63	22	6
14:00	316	213	75	23	5
15:00	347	236	95	15	1
16:00	387	288	76	23	0
17:00	401	337	46	15	3
18:00	181	151	23	6	1
19:00	133	103	27	3	0
20:00	91	74	17	0	0
21:00	62	53	8	1	0
22:00	35	30	4	0	1
23:00	19	15	4	0	0
Total					
12H(7-19)	3747	2673	834	185	55
16H(6-22)	4198	3038	915	190	55
18H(6-24)	4252	3083	923	190	56
24H(0-24)	4444	3244	953	191	56
AM Peak	08:00 394	08:00 281	08:00 87	08:00 14	08:00 12
PM Peak	17:00 401	17:00 337	15:00 95	14:00 23	13:00 6

Paul Castle Associates

Direction: Westbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	0	1	0
01:00	5	1	4	0	0
02:00	6	6	0	0	0
03:00	14	9	3	2	0
04:00	54	32	5	17	0
05:00	129	93	16	18	2
06:00	218	155	40	21	2
07:00	328	270	45	10	3
08:00	289	230	49	9	1
09:00	237	171	50	11	5
10:00	183	126	47	8	2
11:00	249	173	59	12	5
12:00	183	136	35	7	5
13:00	209	145	49	12	3
14:00	271	185	64	20	2
15:00	289	204	64	15	6
16:00	335	280	44	7	4
17:00	309	265	37	7	0
18:00	171	151	18	1	1
19:00	104	91	13	0	0
20:00	60	51	9	0	0
21:00	61	53	8	0	0
22:00	28	25	1	2	0
23:00	19	18	1	0	0
Total					
12H(7-19)	3053	2336	561	119	37
16H(6-22)	3496	2686	631	140	39
18H(6-24)	3543	2729	633	142	39
24H(0-24)	3758	2876	661	180	41
AM Peak	07:00 328	07:00 270	11:00 59	06:00 21	09:00 5
PM Peak	16:00 335	16:00 280	14:00 64	14:00 20	15:00 6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	14	0	1	0
01:00	14	8	6	0	0
02:00	17	15	2	0	0
03:00	30	23	5	2	0
04:00	80	52	10	18	0
05:00	251	196	35	18	2
06:00	383	290	69	22	2
07:00	693	547	116	20	10
08:00	683	511	136	23	13
09:00	527	375	121	21	10
10:00	440	293	114	22	11
11:00	485	312	140	26	7
12:00	469	320	114	26	9
13:00	496	341	112	34	9
14:00	587	398	139	43	7
15:00	636	440	159	30	7
16:00	722	568	120	30	4
17:00	710	602	83	22	3
18:00	352	302	41	7	2
19:00	237	194	40	3	0
20:00	151	125	26	0	0
21:00	123	106	16	1	0
22:00	63	55	5	2	1
23:00	38	33	5	0	0
Total					
12H(7-19)	6800	5009	1395	304	92
16H(6-22)	7694	5724	1546	330	94
18H(6-24)	7795	5812	1556	332	95
24H(0-24)	8202	6120	1614	371	97
AM Peak	07:00 693	07:00 547	11:00 140	11:00 26	08:00 13
PM Peak	16:00 722	17:00 602	15:00 159	14:00 43	12:00 9

Paul Castle Associates

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

06/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	76.6	65.4	10.8	0	0	0	0	0	0	1	0	0	5	0	1
01:00	2	79.1	66.3	12.4	0	0	0	0	0	0	0	0	1	0	1	0
02:00	8	71.8	61.9	9.6	0	0	0	0	0	0	0	3	1	2	2	0
03:00	10	72.1	58.8	12.9	0	0	0	0	1	1	1	0	2	3	2	0
04:00	16	69.4	61.7	7.4	0	0	0	0	0	0	0	4	3	7	2	0
05:00	121	70.7	60.6	9.7	0	0	2	0	2	2	2	18	36	44	12	3
06:00	193	66.3	58.3	7.7	0	0	0	0	1	5	14	48	59	53	12	1
07:00	389	61.5	55.6	5.7	0	0	0	0	0	6	39	151	135	53	4	1
08:00	369	62.0	54.4	7.4	0	0	0	3	10	20	44	131	104	48	9	0
09:00	260	60.4	53.2	6.9	0	0	4	0	2	15	44	102	62	31	0	0
10:00	265	60.8	52.7	7.8	0	0	1	2	12	22	39	102	61	20	4	2
11:00	244	61.7	54.4	7.1	0	0	1	0	1	13	47	83	57	37	5	0
12:00	250	61.5	54.5	6.8	0	0	0	0	3	9	43	92	69	26	8	0
13:00	289	60.8	53.5	7.0	0	0	0	0	5	22	70	69	83	37	3	0
14:00	326	62.9	52.5	10.0	0	0	20	0	9	20	43	104	78	45	7	0
15:00	326	61.1	53.8	7.1	0	0	1	2	6	18	62	102	88	44	3	0
16:00	438	62.5	55.8	6.4	0	0	2	2	0	12	37	150	153	77	5	0
17:00	401	65.0	55.1	9.6	0	5	10	1	6	14	34	104	131	91	4	1
18:00	256	67.4	59.3	7.9	0	0	0	0	0	11	9	50	85	85	11	5
19:00	153	69.5	60.8	8.4	0	0	0	0	0	2	11	21	48	53	14	4
20:00	96	68.8	59.7	8.8	0	0	0	0	2	3	3	17	32	29	8	2
21:00	60	69.5	60.3	8.9	0	0	0	0	0	1	6	8	19	19	5	2
22:00	44	67.8	58.9	8.6	0	0	0	0	0	2	4	12	6	16	4	0
23:00	14	72.6	61.1	11.1	0	0	0	0	0	0	1	2	7	2	0	2
Total 2H(10-12)	509	61.3	53.5	7.5	0	0	2	2	13	35	86	185	118	57	9	2
2H(14-16)	652	62.2	53.1	8.7	0	0	21	2	15	38	105	206	166	89	10	0
12H(7-19)	3813	62.6	54.6	7.7	0	5	39	10	54	182	511	1240	1106	594	63	9
24H(0-24)	4537	63.9	55.4	8.1	0	5	41	10	60	198	554	1373	1320	827	125	24
AM Peak	07:00 389	01:00 79.1	01:00 66.3	03:00 12.9	00:00 0	00:00 0	09:00 4	08:00 3	10:00 12	10:00 22	11:00 47	07:00 151	07:00 135	06:00 53	05:00 12	05:00 3
PM Peak	16:00 438	23:00 72.6	23:00 61.1	23:00 11.1	12:00 0	17:00 5	14:00 20	15:00 2	14:00 9	13:00 22	13:00 70	16:00 150	16:00 153	17:00 91	19:00 14	18:00 5

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<70	Bin 11 70<80	Bin 12 >=80
00:00	4	77.2	63.8	13.0	0	0	0	0	0	0	0	2	0	0	2	0
01:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
02:00	5	65.0	58.5	6.3	0	0	0	0	0	0	0	2	1	2	0	0
03:00	8	64.3	56.3	7.8	0	0	0	0	0	1	1	0	4	2	0	0
04:00	41	69.7	59.5	9.9	0	0	0	0	0	2	2	14	7	9	6	1
05:00	111	64.3	56.2	7.9	0	0	0	0	1	7	11	32	35	20	4	1
06:00	204	64.4	55.0	9.1	0	1	0	5	2	9	33	57	53	36	5	3
07:00	341	61.1	54.6	6.3	0	0	0	0	3	12	54	118	107	44	2	1
08:00	324	61.5	52.5	8.7	0	0	10	1	11	27	52	92	91	36	4	0
09:00	229	59.9	51.9	7.7	0	1	6	0	1	15	52	86	52	15	0	1
10:00	200	61.1	51.9	8.9	0	0	3	9	4	19	39	55	41	29	1	0
11:00	210	60.0	53.2	6.6	0	0	0	0	1	25	37	70	49	28	0	0
12:00	209	60.5	52.4	7.8	0	0	0	0	7	25	45	75	28	24	4	1
13:00	203	60.2	52.1	7.8	0	0	0	3	15	11	46	62	39	26	1	0
14:00	231	61.0	53.6	7.1	0	0	0	0	2	17	52	73	58	25	2	2
15:00	295	59.8	53.1	6.4	0	0	0	0	4	17	70	105	68	27	4	0
16:00	306	61.6	54.5	6.9	0	0	0	2	1	24	41	88	109	37	3	1
17:00	310	62.7	55.1	7.4	0	0	3	1	0	18	36	93	104	50	4	1
18:00	178	66.0	57.9	7.9	0	1	0	0	1	1	19	42	54	51	9	0
19:00	98	67.3	58.7	8.3	0	0	0	0	1	0	8	26	31	23	7	2
20:00	63	68.5	58.7	9.4	0	1	0	0	0	0	6	12	20	18	6	0
21:00	61	66.4	59.1	7.0	0	0	0	0	0	1	2	13	25	15	5	0
22:00	25	67.0	57.2	9.4	0	0	0	0	0	1	4	7	6	5	1	1
23:00	13	61.5	53.8	7.4	0	0	0	1	0	0	0	6	5	1	0	0
Total 2H(10-12)	410	60.7	52.6	7.8	0	0	3	9	5	44	76	125	90	57	1	0
2H(14-16)	526	60.3	53.3	6.7	0	0	0	0	6	34	122	178	126	52	6	2
12H(7-19)	3036	61.4	53.6	7.6	0	2	22	16	50	211	543	959	800	392	34	7
24H(0-24)	3670	62.4	54.2	7.9	0	4	22	22	54	232	610	1130	988	523	70	15
AM Peak	07:00 341	00:00 77.2	00:00 63.8	00:00 13.0	00:00 0	06:00 1	08:00 10	10:00 9	08:00 11	08:00 27	07:00 54	07:00 118	07:00 107	07:00 44	04:00 6	06:00 3
PM Peak	17:00 310	20:00 68.5	21:00 59.1	22:00 9.4	12:00 0	18:00 1	17:00 3	13:00 3	13:00 15	12:00 25	15:00 70	15:00 105	16:00 109	18:00 51	18:00 9	14:00 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<70	Bin 11 70<80	Bin 12 >=80
00:00	11	76.2	64.8	11.0	0	0	0	0	0	0	1	2	0	5	2	1
01:00	3	73.8	63.3	10.1	0	0	0	0	0	0	0	0	2	0	1	0
02:00	13	69.2	60.6	8.4	0	0	0	0	0	0	0	5	2	4	2	0
03:00	18	68.7	57.6	10.7	0	0	0	0	1	2	2	0	6	5	2	0
04:00	57	69.7	60.1	9.3	0	0	0	0	0	2	2	18	10	16	8	1
05:00	232	67.9	58.5	9.1	0	0	2	0	3	9	13	50	71	64	16	4
06:00	397	65.5	56.6	8.6	0	1	0	5	3	14	47	105	112	89	17	4
07:00	730	61.3	55.1	6.0	0	0	0	0	3	18	93	269	242	97	6	2
08:00	693	61.9	53.5	8.1	0	0	10	4	21	47	96	223	195	84	13	0
09:00	489	60.2	52.6	7.3	0	1	10	0	3	30	96	188	114	46	0	1
10:00	465	60.9	52.3	8.3	0	0	4	11	16	41	78	157	102	49	5	2
11:00	454	61.0	53.8	6.9	0	0	1	0	2	38	84	153	106	65	5	0
12:00	459	61.2	53.6	7.3	0	0	0	0	10	34	88	167	97	50	12	1
13:00	492	60.6	52.9	7.4	0	0	0	3	20	33	116	131	122	63	4	0
14:00	557	62.2	53.0	9.0	0	0	20	0	11	37	95	177	136	70	9	2
15:00	621	60.5	53.5	6.8	0	0	1	2	10	35	132	207	156	71	7	0
16:00	744	62.1	55.3	6.6	0	0	2	4	1	36	78	238	262	114	8	1
17:00	711	64.1	55.1	8.7	0	5	13	2	6	32	70	197	235	141	8	2
18:00	434	66.9	58.7	7.9	0	1	0	0	1	12	28	92	139	136	20	5
19:00	251	68.7	60.0	8.4	0	0	0	0	1	2	19	47	79	76	21	6
20:00	159	68.7	59.3	9.0	0	1	0	0	2	3	9	29	52	47	14	2
21:00	121	68.0	59.7	8.0	0	0	0	0	0	2	8	21	44	34	10	2
22:00	69	67.5	58.3	8.9	0	0	0	0	0	3	8	19	12	21	5	1
23:00	27	68.0	57.6	10.0	0	0	0	1	0	0	1	8	12	3	0	2
Total																
2H(10-12)	919	61.0	53.1	7.7	0	0	5	11	18	79	162	310	208	114	10	2
2H(14-16)	1178	61.4	53.2	7.9	0	0	21	2	21	72	227	384	292	141	16	2
12H(7-19)	6849	62.1	54.2	7.7	0	7	61	26	104	393	1054	2199	1906	986	97	16
24H(0-24)	8207	63.2	54.9	8.1	0	9	63	32	114	430	1164	2503	2308	1350	195	39
AM Peak	07:00 730	00:00 76.2	00:00 64.8	00:00 11.0	00:00 0	06:00 1	08:00 10	10:00 11	08:00 21	08:00 47	08:00 96	07:00 269	07:00 242	07:00 97	06:00 17	05:00 4
PM Peak	16:00 744	19:00 68.7	19:00 60.0	23:00 10.0	12:00 0	17:00 5	14:00 20	16:00 4	13:00 20	14:00 37	15:00 132	16:00 238	16:00 262	17:00 141	19:00 21	19:00 6

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

07/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	15	67.8	61.2	6.4	0	0	0	0	0	0	0	3	4	7	1	0
01:00	3	75.9	64.2	11.3	0	0	0	0	0	0	0	1	0	1	1	0
02:00	6	73.7	63.8	9.6	0	0	0	0	0	0	0	1	2	1	2	0
03:00	11	68.9	58.2	10.4	0	0	0	0	1	0	1	2	2	4	1	0
04:00	16	68.6	61.3	7.1	0	0	0	0	0	0	1	3	2	9	1	0
05:00	120	68.5	60.6	7.6	0	0	0	0	0	1	3	20	45	40	8	3
06:00	178	65.7	57.8	7.6	0	0	0	3	0	2	18	37	57	54	7	0
07:00	386	62.5	55.7	6.6	0	0	0	3	1	7	51	113	146	58	5	2
08:00	373	60.3	53.5	6.6	0	0	0	4	9	9	79	129	101	39	3	0
09:00	276	61.6	53.3	8.0	0	0	1	3	12	11	57	86	70	31	2	3
10:00	252	61.1	52.9	7.9	0	0	5	8	1	10	29	104	75	17	2	1
11:00	273	61.1	52.6	8.2	0	3	0	5	7	12	54	96	66	27	2	1
12:00	268	61.6	54.5	6.9	0	0	0	4	3	7	37	103	72	38	4	0
13:00	287	59.8	53.6	5.9	0	0	0	0	0	20	53	105	76	33	0	0
14:00	288	61.2	54.2	6.8	0	0	0	4	2	13	36	121	73	34	5	0
15:00	311	61.9	54.8	6.9	0	0	0	0	2	19	48	96	98	42	5	1
16:00	388	62.2	56.0	6.0	0	0	0	0	0	10	33	135	139	68	1	2
17:00	442	64.5	57.4	6.9	0	0	0	5	0	3	33	122	159	107	11	2
18:00	243	67.8	59.5	8.0	0	0	0	1	1	3	15	38	97	66	18	4
19:00	182	68.8	59.1	9.4	0	0	1	0	0	8	16	33	55	49	15	5
20:00	136	68.5	59.3	8.9	0	0	0	0	1	1	20	28	28	40	18	0
21:00	72	72.7	61.5	10.9	1	0	0	0	0	1	3	11	18	25	11	2
22:00	39	71.7	61.7	9.7	0	0	0	0	0	1	3	6	8	15	4	2
23:00	9	72.2	61.7	10.2	0	0	0	0	0	0	2	0	2	3	2	0
Total																
2H(10-12)	525	61.1	52.8	8.0	0	3	5	13	8	22	83	200	141	44	4	2
2H(14-16)	599	61.5	54.5	6.8	0	0	0	4	4	32	84	217	171	76	10	1
12H(7-19)	3787	62.4	54.9	7.2	0	3	6	37	38	124	525	1248	1172	560	58	16
24H(0-24)	4574	63.7	55.7	7.7	1	3	7	40	40	138	592	1393	1395	808	129	28
AM Peak	07:00 386	01:00 75.9	01:00 64.2	01:00 11.3	00:00 0	11:00 3	10:00 5	10:00 8	09:00 12	11:00 12	08:00 79	08:00 129	07:00 146	07:00 58	05:00 8	05:00 3
PM Peak	17:00 442	21:00 72.7	22:00 61.7	21:00 10.9	21:00 1	12:00 0	19:00 1	17:00 5	12:00 3	13:00 20	13:00 53	16:00 135	17:00 159	17:00 107	18:00 18	19:00 5

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<70	Bin 11 70<80	Bin 12 >=80
00:00	3	75.2	58.3	16.3	0	0	0	0	0	1	0	0	1	0	1	0
01:00	2	67.9	58.8	8.8	0	0	0	0	0	0	0	1	0	1	0	0
02:00	6	69.8	58.3	11.0	0	0	0	0	0	1	0	1	2	1	1	0
03:00	13	67.4	58.1	9.0	0	0	0	0	0	2	1	1	2	7	0	0
04:00	44	65.3	57.6	7.5	0	0	0	0	0	2	4	10	14	12	2	0
05:00	105	65.0	56.0	8.7	0	0	0	0	3	3	18	30	24	22	3	2
06:00	207	62.2	53.7	8.2	0	0	0	3	3	18	50	46	45	38	4	0
07:00	337	62.6	53.4	8.9	0	0	5	6	14	21	46	91	110	36	5	3
08:00	290	61.0	53.6	7.2	0	0	0	3	8	18	45	99	77	37	3	0
09:00	195	60.6	52.4	7.9	0	0	3	5	3	10	39	73	39	21	2	0
10:00	224	59.7	51.9	7.6	0	2	1	0	11	16	36	93	47	17	1	0
11:00	233	60.2	51.8	8.1	0	0	0	5	10	19	54	77	51	11	3	3
12:00	236	61.4	53.6	7.5	0	0	0	0	0	16	63	78	48	22	7	2
13:00	180	61.0	52.2	8.4	0	1	0	0	6	18	45	55	39	9	5	2
14:00	239	60.0	51.6	8.1	0	0	0	8	12	20	45	87	46	16	4	1
15:00	271	59.8	53.4	6.2	0	0	0	0	4	14	61	95	63	34	0	0
16:00	314	61.0	53.3	7.4	0	0	0	4	3	34	45	107	86	28	6	1
17:00	310	62.6	55.5	6.8	0	0	0	1	2	8	38	97	120	37	3	4
18:00	242	63.5	55.9	7.3	0	0	0	0	4	2	42	74	63	50	6	1
19:00	105	71.3	61.3	9.7	0	0	0	0	2	0	8	16	30	30	15	4
20:00	89	68.1	59.4	8.3	0	0	0	0	1	0	11	15	25	27	10	0
21:00	45	65.8	57.1	8.4	0	0	0	0	1	1	7	10	12	11	3	0
22:00	32	66.9	59.6	7.1	0	0	0	0	0	0	2	5	14	8	3	0
23:00	12	64.8	54.6	9.8	0	0	0	0	1	1	1	3	4	1	1	0
Total																
2H(10-12)	457	60.0	51.9	7.8	0	2	1	5	21	35	90	170	98	28	4	3
2H(14-16)	510	60.0	52.5	7.2	0	0	0	8	16	34	106	182	109	50	4	1
12H(7-19)	3071	61.3	53.3	7.7	0	3	9	32	77	196	559	1026	789	318	45	17
24H(0-24)	3734	62.3	54.0	8.1	0	3	9	35	88	225	661	1164	962	476	88	23
AM Peak	07:00 337	00:00 75.2	01:00 58.8	00:00 16.3	00:00 0	10:00 2	07:00 5	07:00 6	07:00 14	07:00 21	11:00 54	08:00 99	07:00 110	06:00 38	07:00 5	07:00 3
PM Peak	16:00 314	19:00 71.3	19:00 61.3	23:00 9.8	12:00 0	13:00 1	12:00 0	14:00 8	14:00 12	16:00 34	12:00 63	16:00 107	17:00 120	18:00 50	19:00 15	17:00 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<70	Bin 11 70<80	Bin 12 ≥80
00:00	18	69.1	60.7	8.1	0	0	0	0	0	1	0	3	5	7	2	0
01:00	5	71.9	62.0	9.6	0	0	0	0	0	0	0	2	0	2	1	0
02:00	12	71.7	61.0	10.3	0	0	0	0	0	1	0	2	4	2	3	0
03:00	24	67.9	58.1	9.4	0	0	0	0	1	2	2	3	4	11	1	0
04:00	60	66.3	58.6	7.5	0	0	0	0	0	2	5	13	16	21	3	0
05:00	225	67.2	58.5	8.4	0	0	0	0	3	4	21	50	69	62	11	5
06:00	385	64.1	55.6	8.2	0	0	0	6	3	20	68	83	102	92	11	0
07:00	723	62.7	54.6	7.8	0	0	5	9	15	28	97	204	256	94	10	5
08:00	663	60.6	53.5	6.9	0	0	0	7	17	27	124	228	178	76	6	0
09:00	471	61.2	52.9	8.0	0	0	4	8	15	21	96	159	109	52	4	3
10:00	476	60.5	52.4	7.7	0	2	6	8	12	26	65	197	122	34	3	1
11:00	506	60.7	52.3	8.1	0	3	0	10	17	31	108	173	117	38	5	4
12:00	504	61.5	54.1	7.2	0	0	0	4	3	23	100	181	120	60	11	2
13:00	467	60.4	53.1	7.0	0	1	0	0	6	38	98	160	115	42	5	2
14:00	527	60.8	53.0	7.5	0	0	0	12	14	33	81	208	119	50	9	1
15:00	582	61.0	54.1	6.6	0	0	0	0	6	33	109	191	161	76	5	1
16:00	702	61.8	54.8	6.8	0	0	0	4	3	44	78	242	225	96	7	3
17:00	752	63.8	56.6	6.9	0	0	0	6	2	11	71	219	279	144	14	6
18:00	485	65.8	57.7	7.9	0	0	0	1	5	5	57	112	160	116	24	5
19:00	287	69.8	59.9	9.5	0	0	1	0	2	8	24	49	85	79	30	9
20:00	225	68.3	59.3	8.7	0	0	0	0	2	1	31	43	53	67	28	0
21:00	117	70.3	59.8	10.2	1	0	0	0	1	2	10	21	30	36	14	2
22:00	71	69.7	60.7	8.6	0	0	0	0	0	1	5	11	22	23	7	2
23:00	21	68.3	57.6	10.4	0	0	0	0	1	1	3	3	6	4	3	0
Total																
2H(10-12)	982	60.6	52.4	7.9	0	5	6	18	29	57	173	370	239	72	8	5
2H(14-16)	1109	60.9	53.6	7.1	0	0	0	12	20	66	190	399	280	126	14	2
12H(7-19)	6858	62.0	54.2	7.5	0	6	15	69	115	320	1084	2274	1961	878	103	33
24H(0-24)	8308	63.2	54.9	7.9	1	6	16	75	128	363	1253	2557	2357	1284	217	51
AM Peak	07:00 723	01:00 71.9	01:00 62.0	02:00 10.3	00:00 0	11:00 3	10:00 6	11:00 10	08:00 17	11:00 31	08:00 124	08:00 228	07:00 256	07:00 94	05:00 11	05:00 5
PM Peak	17:00 752	21:00 70.3	22:00 60.7	23:00 10.4	21:00 1	13:00 1	19:00 1	14:00 12	14:00 14	16:00 44	15:00 109	16:00 242	17:00 279	17:00 144	19:00 30	19:00 9

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

08/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	13	75.4	65.6	9.5	0	0	0	0	0	0	0	1	4	4	3	1
01:00	5	71.9	62.0	9.6	0	0	0	0	0	0	0	2	0	2	1	0
02:00	10	78.1	65.8	11.9	0	0	0	0	0	0	0	1	4	2	1	2
03:00	14	67.7	58.0	9.3	0	0	0	0	1	0	2	0	6	4	1	0
04:00	21	69.4	61.4	7.7	0	0	0	0	0	0	2	3	3	11	2	0
05:00	111	69.3	61.0	8.0	0	0	0	0	0	1	4	20	33	41	9	3
06:00	197	66.4	58.7	7.5	0	0	0	0	0	5	7	52	71	47	13	2
07:00	386	62.1	54.5	7.3	0	0	2	6	2	20	52	112	133	54	5	0
08:00	364	61.6	55.3	6.1	0	0	0	0	0	6	51	141	111	49	4	2
09:00	237	62.0	54.8	6.9	0	0	0	0	0	13	38	83	67	29	6	1
10:00	266	60.8	53.8	6.8	0	0	0	0	0	17	57	105	48	34	4	1
11:00	262	60.0	53.1	6.7	0	0	0	0	2	20	62	95	52	28	2	1
12:00	235	62.5	53.8	8.5	0	1	0	0	5	17	52	66	59	28	3	4
13:00	286	61.0	53.8	6.9	0	0	2	0	2	11	63	98	71	36	2	1
14:00	310	64.8	54.6	9.8	0	1	11	1	2	14	50	73	94	51	11	2
15:00	383	61.8	54.3	7.3	0	0	2	0	0	16	103	100	92	63	7	0
16:00	422	62.3	55.5	6.6	0	1	0	0	1	21	36	143	148	65	7	0
17:00	387	63.5	56.2	7.0	0	0	0	0	7	15	31	106	149	68	10	1
18:00	258	67.7	59.7	7.8	0	0	0	1	0	2	18	50	79	89	15	4
19:00	191	68.3	60.0	7.9	0	0	0	0	0	5	8	35	61	66	12	4
20:00	126	70.8	61.8	8.7	0	0	0	0	0	2	4	20	35	49	10	6
21:00	87	69.5	60.7	8.5	0	0	0	0	1	1	6	15	19	35	9	1
22:00	40	68.2	59.4	8.5	0	0	0	0	0	1	6	4	10	17	1	1
23:00	29	69.5	58.5	10.6	0	0	1	0	0	1	1	7	8	7	4	0
Total																
2H(10-12)	528	60.4	53.4	6.8	0	0	0	0	2	37	119	200	100	62	6	2
2H(14-16)	693	63.2	54.4	8.5	0	1	13	1	2	30	153	173	186	114	18	2
12H(7-19)	3796	62.7	55.0	7.5	0	3	17	8	21	172	613	1172	1103	594	76	17
24H(0-24)	4640	64.1	55.9	7.9	0	3	18	8	23	188	653	1332	1357	879	142	37
AM Peak	07:00	02:00	02:00	02:00	00:00	00:00	07:00	07:00	07:00	07:00	11:00	08:00	07:00	07:00	06:00	05:00
	386	78.1	65.8	11.9	0	0	2	6	2	20	62	141	133	54	13	3
PM Peak	16:00	20:00	20:00	23:00	12:00	12:00	14:00	14:00	17:00	16:00	15:00	16:00	17:00	18:00	18:00	20:00
	422	70.8	61.8	10.6	0	1	11	1	7	21	103	143	149	89	15	6

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<70	Bin 11 70<80	Bin 12 >=80
00:00	4	80.3	68.1	11.8	0	0	0	0	0	0	0	0	1	2	0	1
01:00	4	54.0	46.3	7.5	0	0	0	0	1	1	0	2	0	0	0	0
02:00	6	57.2	53.3	3.8	0	0	0	0	0	0	1	3	2	0	0	0
03:00	15	60.3	52.5	7.5	0	0	0	0	0	2	6	0	5	2	0	0
04:00	39	69.6	59.8	9.4	0	0	0	0	0	2	3	7	9	15	1	2
05:00	111	66.3	58.6	7.4	0	0	0	0	0	1	16	19	29	41	5	0
06:00	183	63.2	55.1	7.9	0	0	1	1	3	7	32	53	43	39	4	0
07:00	353	62.0	54.2	7.5	0	0	0	3	6	27	54	110	90	57	6	0
08:00	311	61.6	53.0	8.4	0	0	3	2	10	24	66	90	78	28	8	2
09:00	253	63.4	54.0	9.0	0	0	0	0	8	20	57	77	47	28	12	4
10:00	196	60.0	51.5	8.2	0	0	4	0	13	18	37	62	41	20	1	0
11:00	217	60.6	52.6	7.8	0	0	1	2	3	18	64	54	47	26	0	2
12:00	208	61.6	52.8	8.5	0	0	1	1	9	17	50	62	38	22	7	1
13:00	209	61.8	53.4	8.1	0	0	0	0	8	21	39	61	46	30	2	2
14:00	250	60.8	53.3	7.2	0	0	0	0	2	31	43	83	57	29	5	0
15:00	258	62.9	53.8	8.7	0	1	0	0	9	30	36	71	65	38	6	2
16:00	353	62.8	54.0	8.5	0	0	0	6	8	34	61	86	85	65	7	1
17:00	325	64.6	56.9	7.4	0	0	1	0	0	5	39	89	115	63	8	5
18:00	179	66.0	58.6	7.2	0	0	0	0	0	0	16	41	64	46	11	1
19:00	101	68.6	59.2	9.1	0	0	1	0	3	1	5	22	23	38	7	1
20:00	74	68.6	58.2	10.1	0	0	0	2	1	1	4	24	17	16	7	2
21:00	56	67.2	59.1	7.8	0	0	0	0	0	1	4	11	20	16	3	1
22:00	38	63.1	56.1	6.8	0	0	0	0	2	0	1	12	17	5	1	0
23:00	19	71.0	57.9	12.6	0	0	0	0	1	2	3	3	3	2	5	0
Total																
2H(10-12)	413	60.3	52.1	8.0	0	0	5	2	16	36	101	116	88	46	1	2
2H(14-16)	508	61.9	53.6	8.0	0	1	0	0	11	61	79	154	122	67	11	2
12H(7-19)	3112	62.6	54.0	8.2	0	1	10	14	76	245	562	886	773	452	73	20
24H(0-24)	3762	63.3	54.6	8.4	0	1	12	17	87	263	637	1042	942	628	106	27
AM Peak	07:00	00:00	00:00	00:00	00:00	00:00	10:00	07:00	10:00	07:00	08:00	07:00	07:00	07:00	09:00	09:00
	353	80.3	68.1	11.8	0	0	4	3	13	27	66	110	90	57	12	4
PM Peak	16:00	23:00	19:00	23:00	12:00	15:00	12:00	16:00	12:00	16:00	16:00	17:00	17:00	16:00	18:00	17:00
	353	71.0	59.2	12.6	0	1	1	6	9	34	61	89	115	65	11	5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	17	76.3	66.2	9.7	0	0	0	0	0	0	0	1	5	6	3	2
01:00	9	67.1	55.0	11.7	0	0	0	0	1	1	0	4	0	2	1	0
02:00	16	72.8	61.1	11.3	0	0	0	0	0	0	1	4	6	2	1	2
03:00	29	64.2	55.2	8.7	0	0	0	0	1	2	8	0	11	6	1	0
04:00	60	69.5	60.4	8.8	0	0	0	0	0	2	5	10	12	26	3	2
05:00	222	67.9	59.8	7.8	0	0	0	0	0	2	20	39	62	82	14	3
06:00	380	65.1	56.9	7.9	0	0	1	1	3	12	39	105	114	86	17	2
07:00	739	62.0	54.4	7.4	0	0	2	9	8	47	106	222	223	111	11	0
08:00	675	61.8	54.2	7.3	0	0	3	2	10	30	117	231	189	77	12	4
09:00	490	62.8	54.4	8.1	0	0	0	0	8	33	95	160	114	57	18	5
10:00	462	60.6	52.8	7.5	0	0	4	0	13	35	94	167	89	54	5	1
11:00	479	60.3	52.8	7.2	0	0	1	2	5	38	126	149	99	54	2	3
12:00	443	62.1	53.3	8.5	0	1	1	1	14	34	102	128	97	50	10	5
13:00	495	61.3	53.6	7.4	0	0	2	0	10	32	102	159	117	66	4	3
14:00	560	63.1	54.0	8.8	0	1	11	1	4	45	93	156	151	80	16	2
15:00	641	62.3	54.1	7.9	0	1	2	0	9	46	139	171	157	101	13	2
16:00	775	62.6	54.8	7.5	0	1	0	6	9	55	97	229	233	130	14	1
17:00	712	64.0	56.5	7.2	0	0	1	0	7	20	70	195	264	131	18	6
18:00	437	67.0	59.2	7.5	0	0	0	1	0	2	34	91	143	135	26	5
19:00	292	68.4	59.7	8.4	0	0	1	0	3	6	13	57	84	104	19	5
20:00	200	70.1	60.5	9.3	0	0	0	2	1	3	8	44	52	65	17	8
21:00	143	68.6	60.1	8.2	0	0	0	0	1	2	10	26	39	51	12	2
22:00	78	65.9	57.8	7.8	0	0	0	0	2	1	7	16	27	22	2	1
23:00	48	70.0	58.3	11.3	0	0	1	0	1	3	4	10	11	9	9	0
Total 2H(10-12)	941	60.4	52.8	7.3	0	0	5	2	18	73	220	316	188	108	7	4
2H(14-16)	1201	62.7	54.1	8.3	0	2	13	1	13	91	232	327	308	181	29	4
12H(7-19)	6908	62.7	54.6	7.8	0	4	27	22	97	417	1175	2058	1876	1046	149	37
24H(0-24)	8402	63.8	55.3	8.2	0	4	30	25	110	451	1290	2374	2299	1507	248	64
AM Peak	07:00 739	00:00 76.3	00:00 66.2	01:00 11.7	00:00 0	00:00 0	10:00 4	07:00 9	10:00 13	07:00 47	11:00 126	08:00 231	07:00 223	07:00 111	09:00 18	09:00 5
PM Peak	16:00 775	20:00 70.1	20:00 60.5	23:00 11.3	12:00 0	12:00 1	14:00 11	16:00 6	12:00 14	16:00 55	15:00 139	16:00 229	17:00 264	18:00 135	18:00 26	20:00 8

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

09/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	15	72.8	64.0	8.5	0	0	0	0	0	0	0	3	1	9	1	1
01:00	8	76.2	62.5	13.2	0	0	0	0	0	1	0	1	2	2	1	1
02:00	6	76.6	64.6	11.6	0	0	0	0	0	0	0	2	1	0	3	0
03:00	20	72.0	61.1	10.5	0	0	0	1	0	0	2	2	2	10	3	0
04:00	24	78.1	65.2	12.4	0	0	0	0	0	1	1	3	5	6	4	4
05:00	103	69.8	62.2	7.4	0	0	0	0	0	1	2	10	33	45	10	2
06:00	170	68.3	59.5	8.4	0	0	0	0	0	2	17	31	53	52	10	5
07:00	388	62.3	55.4	6.7	0	0	1	1	0	12	60	121	117	71	5	0
08:00	336	62.6	54.9	7.4	0	0	2	0	5	12	57	103	95	55	6	1
09:00	291	60.5	53.3	6.9	0	0	0	9	2	8	55	109	76	29	3	0
10:00	256	62.0	54.8	6.9	0	0	0	1	2	8	41	91	73	34	5	1
11:00	283	61.9	54.8	6.9	0	0	0	0	6	15	37	92	85	44	4	0
12:00	291	62.8	55.0	7.5	0	0	0	5	0	9	47	96	80	47	5	2
13:00	317	61.1	54.4	6.5	0	0	0	0	1	10	63	110	95	30	7	1
14:00	361	62.1	55.0	6.8	0	0	0	4	0	5	57	137	97	56	2	3
15:00	344	64.8	55.1	9.4	0	0	0	15	6	16	43	92	93	62	14	3
16:00	457	63.9	55.8	7.8	0	0	0	0	18	27	40	106	160	95	10	1
17:00	387	65.4	57.7	7.5	0	0	0	4	1	1	42	84	138	104	8	5
18:00	267	68.7	60.3	8.1	0	0	0	0	0	1	18	51	81	88	22	6
19:00	160	69.5	60.6	8.6	0	0	0	0	0	4	11	24	46	58	12	5
20:00	114	69.9	61.2	8.4	0	0	0	0	0	1	12	13	28	44	15	1
21:00	92	69.1	59.3	9.4	0	0	0	0	0	3	13	15	24	25	10	2
22:00	52	70.1	59.2	10.5	0	1	0	0	0	2	4	7	16	15	7	0
23:00	26	72.2	62.5	9.4	0	0	0	0	0	0	0	7	5	10	2	2
Total																
2H(10-12)	539	61.9	54.8	6.9	0	0	0	1	8	23	78	183	158	78	9	1
2H(14-16)	705	63.5	55.1	8.1	0	0	0	19	6	21	100	229	190	118	16	6
12H(7-19)	3978	63.4	55.6	7.6	0	0	3	39	41	124	560	1192	1190	715	91	23
24H(0-24)	4768	64.8	56.4	8.1	0	1	3	40	41	139	622	1310	1406	991	169	46
AM Peak	07:00 388	04:00 78.1	04:00 65.2	01:00 13.2	00:00 0	00:00 0	08:00 2	09:00 9	11:00 6	11:00 15	07:00 60	07:00 121	07:00 117	07:00 71	05:00 10	06:00 5
PM Peak	16:00 457	23:00 72.2	23:00 62.5	22:00 10.5	12:00 0	22:00 1	12:00 0	15:00 15	16:00 18	16:00 27	13:00 63	14:00 137	16:00 160	17:00 104	18:00 22	18:00 6

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<70	Bin 11 70<80	Bin 12 >=80
00:00	8	69.2	61.3	7.7	0	0	0	0	0	0	0	2	2	3	1	0
01:00	6	69.1	59.2	9.6	0	0	0	0	0	1	0	1	0	4	0	0
02:00	5	70.6	57.5	12.6	0	0	0	0	0	1	0	2	0	1	1	0
03:00	8	63.1	58.8	4.2	0	0	0	0	0	0	0	1	5	2	0	0
04:00	52	64.9	55.6	9.0	0	0	0	0	1	4	9	15	9	10	4	0
05:00	127	64.8	56.1	8.3	0	0	0	0	3	11	10	31	39	28	4	1
06:00	175	64.7	56.3	8.1	0	0	0	0	0	8	26	55	44	30	11	1
07:00	323	62.7	54.8	7.6	0	0	1	1	6	12	61	99	76	59	8	0
08:00	291	60.8	54.4	6.2	0	0	0	0	0	12	55	94	100	26	2	2
09:00	219	62.6	53.5	8.8	0	0	6	1	6	11	39	60	59	33	4	0
10:00	255	61.2	53.0	7.8	0	0	0	0	4	26	62	83	43	31	3	3
11:00	240	62.8	53.2	9.3	0	0	0	10	4	34	37	44	67	39	3	2
12:00	241	61.6	51.5	9.8	0	0	4	9	19	21	33	79	45	24	5	2
13:00	233	61.5	53.7	7.6	0	0	0	0	14	12	48	51	69	38	1	0
14:00	259	62.7	53.3	9.1	0	0	3	17	6	8	31	72	81	38	3	0
15:00	319	62.6	53.8	8.4	0	0	4	9	1	8	64	100	86	39	5	3
16:00	306	62.3	54.1	7.9	0	0	4	3	1	15	57	96	76	49	4	1
17:00	309	64.0	56.6	7.2	0	0	0	3	0	6	34	100	81	78	6	1
18:00	196	66.1	58.6	7.3	0	0	0	0	0	0	15	52	64	54	8	3
19:00	120	68.2	59.6	8.3	0	0	0	0	0	4	4	23	45	34	6	4
20:00	79	68.7	60.3	8.0	0	0	0	0	0	2	4	11	29	24	8	1
21:00	69	66.6	58.8	7.5	0	0	0	0	1	1	3	16	22	23	2	1
22:00	34	65.4	57.2	7.9	0	0	0	0	0	2	4	7	11	8	2	0
23:00	19	63.9	55.0	8.6	0	0	0	1	0	1	2	5	5	5	0	0
Total																
2H(10-12)	495	62.0	53.1	8.5	0	0	0	10	8	60	99	127	110	70	6	5
2H(14-16)	578	62.6	53.6	8.7	0	0	7	26	7	16	95	172	167	77	8	3
12H(7-19)	3191	62.7	54.2	8.3	0	0	22	53	61	165	536	930	847	508	52	17
24H(0-24)	3893	63.5	54.8	8.4	0	0	22	54	66	200	598	1099	1058	680	91	25
AM Peak	07:00 323	02:00 70.6	00:00 61.3	02:00 12.6	00:00 0	00:00 0	09:00 6	11:00 10	07:00 6	11:00 34	10:00 62	07:00 99	08:00 100	07:00 59	06:00 11	10:00 3
PM Peak	15:00 319	20:00 68.7	20:00 60.3	12:00 9.8	12:00 0	12:00 0	12:00 4	14:00 17	12:00 19	12:00 21	15:00 64	15:00 100	15:00 86	17:00 78	18:00 8	19:00 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<70	Bin 11 70<80	Bin 12 ≥80
00:00	23	71.5	63.0	8.2	0	0	0	0	0	0	0	5	3	12	2	1
01:00	14	73.0	61.1	11.5	0	0	0	0	0	2	0	2	2	6	1	1
02:00	11	73.8	61.4	12.0	0	0	0	0	0	1	0	4	1	1	4	0
03:00	28	69.9	60.4	9.1	0	0	0	1	0	0	2	3	7	12	3	0
04:00	76	70.1	58.6	11.1	0	0	0	0	1	5	10	18	14	16	8	4
05:00	230	67.6	58.8	8.5	0	0	0	0	3	12	12	41	72	73	14	3
06:00	345	66.6	57.9	8.4	0	0	0	0	0	10	43	86	97	82	21	6
07:00	711	62.5	55.1	7.1	0	0	2	2	6	24	121	220	193	130	13	0
08:00	627	61.8	54.6	6.9	0	0	2	0	5	24	112	197	195	81	8	3
09:00	510	61.5	53.4	7.8	0	0	6	10	8	19	94	169	135	62	7	0
10:00	511	61.6	53.9	7.4	0	0	0	1	6	34	103	174	116	65	8	4
11:00	523	62.4	54.0	8.1	0	0	0	10	10	49	74	136	152	83	7	2
12:00	532	62.5	53.4	8.8	0	0	4	14	19	30	80	175	125	71	10	4
13:00	550	61.3	54.1	7.0	0	0	0	0	15	22	111	161	164	68	8	1
14:00	620	62.5	54.3	7.9	0	0	3	21	6	13	88	209	178	94	5	3
15:00	663	63.7	54.5	8.9	0	0	4	24	7	24	107	192	179	101	19	6
16:00	763	63.3	55.1	7.9	0	0	4	3	19	42	97	202	236	144	14	2
17:00	696	64.8	57.2	7.4	0	0	0	7	1	7	76	184	219	182	14	6
18:00	463	67.7	59.6	7.8	0	0	0	0	0	1	33	103	145	142	30	9
19:00	280	68.9	60.2	8.5	0	0	0	0	0	8	15	47	91	92	18	9
20:00	193	69.4	60.8	8.3	0	0	0	0	0	3	16	24	57	68	23	2
21:00	161	68.0	59.1	8.6	0	0	0	0	1	4	16	31	46	48	12	3
22:00	86	68.4	58.4	9.6	0	1	0	0	0	4	8	14	27	23	9	0
23:00	45	69.4	59.3	9.7	0	0	0	1	0	1	2	12	10	15	2	2
Total																
2H(10-12)	1034	62.0	54.0	7.8	0	0	0	11	16	83	177	310	268	148	15	6
2H(14-16)	1283	63.1	54.4	8.4	0	0	7	45	13	37	195	401	357	195	24	9
12H(7-19)	7169	63.1	54.9	7.9	0	0	25	92	102	289	1096	2122	2037	1223	143	40
24H(0-24)	8661	64.2	55.7	8.2	0	1	25	94	107	339	1220	2409	2464	1671	260	71
AM Peak	07:00 711	02:00 73.8	00:00 63.0	02:00 12.0	00:00 0	00:00 0	09:00 6	09:00 10	11:00 10	11:00 49	07:00 121	07:00 220	08:00 195	07:00 130	06:00 21	06:00 6
PM Peak	16:00 763	23:00 69.4	20:00 60.8	23:00 9.7	12:00 0	22:00 1	12:00 4	15:00 24	12:00 19	16:00 42	13:00 111	14:00 209	16:00 236	17:00 182	18:00 30	18:00 9

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

10/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	27	76.8	66.6	9.9	0	0	0	0	0	0	2	1	4	10	8	2
01:00	10	76.1	66.8	9.1	0	0	0	0	0	0	0	0	3	4	2	1
02:00	10	73.3	66.5	6.6	0	0	0	0	0	0	0	0	2	5	3	0
03:00	7	66.8	54.6	11.8	0	0	0	0	0	1	3	0	1	1	1	0
04:00	8	73.1	59.4	13.2	0	0	0	0	1	0	1	1	1	2	2	0
05:00	47	68.1	60.4	7.4	0	0	0	0	1	0	3	7	9	25	2	0
06:00	62	69.8	60.9	8.6	0	0	0	0	0	1	4	8	23	16	9	1
07:00	146	67.0	58.5	8.2	0	0	0	0	0	1	10	44	51	26	10	4
08:00	251	64.4	54.9	9.2	0	3	2	4	0	6	28	102	51	45	9	1
09:00	254	64.6	56.5	7.9	0	0	0	6	1	8	19	71	87	51	11	0
10:00	287	66.9	59.0	7.7	0	0	0	0	0	6	22	60	85	101	7	6
11:00	273	66.6	59.2	7.1	0	0	1	0	0	1	8	70	90	89	11	3
12:00	251	67.2	59.4	7.5	0	0	0	0	0	2	17	51	84	80	13	4
13:00	223	67.6	59.0	8.3	0	0	0	0	9	2	12	36	74	74	15	1
14:00	252	67.7	59.0	8.4	0	0	0	0	0	9	22	50	75	74	18	4
15:00	206	68.3	60.9	7.2	0	0	0	0	0	1	5	29	80	73	14	4
16:00	226	68.0	59.7	8.1	0	0	0	0	1	1	16	45	78	62	19	4
17:00	217	70.2	62.1	7.8	0	0	0	0	0	2	5	27	66	89	22	6
18:00	161	69.8	61.3	8.3	0	0	0	0	0	1	7	33	36	66	13	5
19:00	129	71.0	62.8	7.9	0	0	0	0	0	2	1	12	40	55	15	4
20:00	99	70.8	61.5	8.9	0	0	0	0	0	2	2	20	27	33	11	4
21:00	58	69.9	61.3	8.4	0	0	0	0	0	1	2	8	20	20	5	2
22:00	51	70.3	60.3	9.6	0	0	0	0	0	3	5	4	15	18	4	2
23:00	28	72.4	63.0	9.0	0	0	0	0	0	1	0	5	4	13	4	1
Total																
2H(10-12)	560	66.8	59.1	7.4	0	0	1	0	0	7	30	130	175	190	18	9
2H(14-16)	458	68.0	59.8	7.9	0	0	0	0	0	10	27	79	155	147	32	8
12H(7-19)	2747	67.5	59.0	8.2	0	3	3	10	11	40	171	618	857	830	162	42
24H(0-24)	3283	68.1	59.5	8.3	0	3	3	10	13	51	194	684	1006	1032	228	59
AM Peak	10:00	00:00	01:00	04:00	00:00	08:00	08:00	09:00	04:00	09:00	08:00	08:00	11:00	10:00	09:00	10:00
	287	76.8	66.8	13.2	0	3	2	6	1	8	28	102	90	101	11	6
PM Peak	14:00	23:00	23:00	22:00	12:00	12:00	12:00	12:00	13:00	14:00	14:00	12:00	12:00	17:00	17:00	17:00
	252	72.4	63.0	9.6	0	0	0	0	9	9	22	51	84	89	22	6

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<70	Bin 11 70<80	Bin 12 >=80
00:00	10	68.0	60.0	7.7	0	0	0	0	0	0	1	1	4	3	1	0
01:00	2	77.3	70.0	7.1	0	0	0	0	0	0	0	0	0	1	1	0
02:00	3	74.9	65.8	8.8	0	0	0	0	0	0	0	0	1	1	1	0
03:00	7	69.9	63.2	6.4	0	0	0	0	0	0	0	0	3	3	1	0
04:00	9	65.6	58.6	6.7	0	0	0	0	0	0	1	2	2	4	0	0
05:00	35	68.5	60.1	8.1	0	0	0	0	0	2	1	7	7	15	3	0
06:00	55	67.1	59.0	7.8	0	0	0	0	0	2	3	12	18	15	5	0
07:00	139	66.6	57.1	9.1	0	0	2	0	2	5	12	32	48	28	8	2
08:00	162	66.0	57.8	7.9	0	0	1	0	0	2	17	41	51	40	9	1
09:00	227	63.4	56.0	7.0	0	0	0	0	1	3	32	78	67	38	6	2
10:00	236	64.3	56.6	7.4	0	0	0	0	0	11	26	57	93	36	12	1
11:00	235	65.0	56.4	8.3	0	0	0	2	0	12	35	60	62	51	12	1
12:00	221	63.8	55.7	7.7	0	0	0	0	0	10	44	51	70	38	5	3
13:00	196	65.9	57.5	8.1	0	0	0	3	0	2	20	51	66	41	11	2
14:00	214	64.7	56.6	7.9	0	0	0	0	3	8	19	66	67	44	2	5
15:00	186	65.0	57.8	6.9	0	0	0	0	0	0	15	60	56	46	8	1
16:00	176	65.5	57.1	8.1	0	0	0	0	0	8	17	57	41	46	3	4
17:00	192	67.0	58.8	7.9	0	0	0	0	0	0	21	42	64	49	13	3
18:00	154	66.6	59.3	7.0	0	0	0	0	0	0	8	31	64	40	9	2
19:00	98	66.8	59.5	7.1	0	0	0	0	0	0	5	21	37	26	9	0
20:00	51	69.2	60.1	8.7	0	0	0	0	0	1	6	3	22	12	6	1
21:00	61	68.5	57.6	10.5	0	0	2	0	0	0	9	13	16	16	3	2
22:00	36	68.0	58.9	8.8	0	0	0	0	0	1	3	10	8	11	2	1
23:00	11	65.8	56.4	9.1	0	0	0	0	0	1	1	4	2	2	1	0
Total																
2H(10-12)	471	64.6	56.5	7.8	0	0	0	2	0	23	61	117	155	87	24	2
2H(14-16)	400	64.9	57.2	7.5	0	0	0	0	3	8	34	126	123	90	10	6
12H(7-19)	2338	65.2	57.1	7.8	0	0	3	5	6	61	266	626	749	497	98	27
24H(0-24)	2716	65.6	57.4	7.9	0	0	5	5	6	68	296	699	869	606	131	31
AM Peak	10:00	01:00	01:00	07:00	00:00	00:00	07:00	11:00	07:00	11:00	11:00	09:00	10:00	11:00	10:00	07:00
	236	77.3	70.0	9.1	0	0	2	2	2	12	35	78	93	51	12	2
PM Peak	12:00	20:00	20:00	21:00	12:00	12:00	21:00	13:00	14:00	12:00	12:00	14:00	12:00	17:00	17:00	14:00
	221	69.2	60.1	10.5	0	0	2	3	3	10	44	66	70	49	13	5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	37	74.8	64.8	9.7	0	0	0	0	0	0	3	2	8	13	9	2
01:00	12	76.2	67.3	8.6	0	0	0	0	0	0	0	0	3	5	3	1
02:00	13	73.3	66.3	6.7	0	0	0	0	0	0	0	0	3	6	4	0
03:00	14	69.4	58.9	10.1	0	0	0	0	0	1	3	0	4	4	2	0
04:00	17	69.3	59.0	10.0	0	0	0	0	1	0	2	3	3	6	2	0
05:00	82	68.2	60.3	7.7	0	0	0	0	1	2	4	14	16	40	5	0
06:00	117	68.6	60.0	8.3	0	0	0	0	0	3	7	20	41	31	14	1
07:00	285	66.8	57.8	8.7	0	0	2	0	2	6	22	76	99	54	18	6
08:00	413	65.2	56.0	8.8	0	3	3	4	0	8	45	143	102	85	18	2
09:00	481	64.0	56.3	7.5	0	0	0	6	2	11	51	149	154	89	17	2
10:00	523	65.8	57.9	7.6	0	0	0	0	0	17	48	117	178	137	19	7
11:00	508	66.0	57.9	7.8	0	0	1	2	0	13	43	130	152	140	23	4
12:00	472	65.8	57.7	7.8	0	0	0	0	0	12	61	102	154	118	18	7
13:00	419	66.8	58.3	8.2	0	0	0	3	9	4	32	87	140	115	26	3
14:00	466	66.4	57.9	8.2	0	0	0	0	3	17	41	116	142	118	20	9
15:00	392	66.9	59.4	7.2	0	0	0	0	0	1	20	89	136	119	22	5
16:00	402	67.0	58.5	8.2	0	0	0	0	1	9	33	102	119	108	22	8
17:00	409	68.9	60.6	8.0	0	0	0	0	0	2	26	69	130	138	35	9
18:00	315	68.3	60.3	7.7	0	0	0	0	0	1	15	64	100	106	22	7
19:00	227	69.4	61.4	7.7	0	0	0	0	0	2	6	33	77	81	24	4
20:00	150	70.2	61.1	8.9	0	0	0	0	0	3	8	23	49	45	17	5
21:00	119	69.4	59.4	9.7	0	0	2	0	0	1	11	21	36	36	8	4
22:00	87	69.3	59.7	9.2	0	0	0	0	0	4	8	14	23	29	6	3
23:00	39	70.9	61.2	9.4	0	0	0	0	0	2	1	9	6	15	5	1

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

11/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	27	78.0	64.2	13.3	0	0	0	1	0	0	0	6	6	6	3	5
01:00	17	72.5	64.6	7.6	0	0	0	0	0	0	1	0	4	8	4	0
02:00	7	65.9	61.8	4.0	0	0	0	0	0	0	0	0	3	4	0	0
03:00	6	68.8	58.3	10.1	0	0	0	0	0	0	1	2	1	1	1	0
04:00	7	65.7	58.6	6.9	0	0	0	0	0	0	1	1	2	3	0	0
05:00	27	71.9	61.9	9.6	0	0	0	0	0	1	1	4	7	9	4	1
06:00	53	69.1	60.0	8.8	0	0	0	0	0	1	2	12	20	11	5	2
07:00	134	65.7	55.9	9.5	0	0	0	0	3	9	22	40	24	26	7	3
08:00	132	69.2	58.8	10.0	0	1	0	0	0	10	14	16	36	39	15	1
09:00	213	66.1	55.9	9.9	0	2	1	1	2	16	33	43	49	54	11	1
10:00	234	65.1	55.9	8.9	0	1	2	3	1	7	36	51	75	49	7	2
11:00	242	65.6	56.3	8.9	0	1	0	0	1	16	40	56	53	64	8	3
12:00	231	63.7	56.1	7.4	0	0	0	2	4	7	29	54	80	50	5	0
13:00	249	68.0	59.0	8.7	0	0	0	1	1	15	13	40	83	76	15	5
14:00	210	67.8	59.0	8.5	0	0	1	0	2	1	15	40	80	54	11	6
15:00	224	66.5	57.3	8.9	0	1	3	0	5	6	10	56	70	62	11	0
16:00	209	66.8	59.0	7.5	0	0	0	0	0	7	13	43	58	79	7	2
17:00	196	69.7	60.7	8.7	0	0	0	0	2	0	11	37	60	62	17	7
18:00	155	68.5	59.7	8.5	0	0	1	1	0	2	10	27	46	56	9	3
19:00	104	70.4	61.6	8.5	0	0	0	0	0	2	3	19	25	41	11	3
20:00	71	70.0	61.6	8.1	0	0	0	0	0	0	3	14	15	31	6	2
21:00	55	77.7	65.0	12.2	0	1	0	0	0	0	1	8	8	20	11	6
22:00	43	71.1	62.9	7.9	0	0	0	0	1	0	1	3	9	24	4	1
23:00	16	65.2	57.7	7.3	0	0	0	0	0	0	3	4	2	7	0	0
Total																
2H(10-12)	476	65.3	56.1	8.9	0	2	2	3	2	23	76	107	128	113	15	5
2H(14-16)	434	67.2	58.1	8.7	0	1	4	0	7	7	25	96	150	116	22	6
12H(7-19)	2429	66.9	57.7	8.9	0	6	8	8	21	96	246	503	714	671	123	33
24H(0-24)	2862	67.8	58.4	9.1	0	7	8	9	22	100	263	576	816	836	172	53
AM Peak	11:00	00:00	01:00	00:00	00:00	09:00	10:00	10:00	07:00	09:00	11:00	11:00	10:00	11:00	08:00	00:00
	242	78.0	64.6	13.3	0	2	2	3	3	16	40	56	75	64	15	5
PM Peak	13:00	21:00	21:00	21:00	12:00	15:00	15:00	12:00	15:00	13:00	12:00	15:00	13:00	16:00	17:00	17:00
	249	77.7	65.0	12.2	0	1	3	2	5	15	29	56	83	79	17	7

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<70	Bin 11 70<80	Bin 12 >=80
00:00	14	65.7	52.3	12.9	0	0	0	3	0	0	2	2	4	2	1	0
01:00	5	70.6	61.5	8.8	0	0	0	0	0	0	0	1	2	1	1	0
02:00	3	64.4	50.0	13.9	0	0	0	0	1	0	1	0	0	1	0	0
03:00	1	-	65.0	-	0	0	0	0	0	0	0	0	0	1	0	0
04:00	4	66.7	57.5	8.9	0	0	0	0	0	0	1	1	0	2	0	0
05:00	20	69.2	60.6	8.2	0	0	0	0	0	0	1	5	5	6	3	0
06:00	32	64.8	57.5	7.1	0	0	0	0	0	1	11	11	6	2	0	0
07:00	63	65.5	58.5	6.8	0	0	0	0	0	1	6	11	22	21	2	0
08:00	84	69.1	61.1	7.7	0	0	0	0	0	2	0	18	20	37	5	2
09:00	145	65.9	57.9	7.7	0	0	0	0	0	7	14	26	50	41	6	1
10:00	180	64.2	56.2	7.7	0	0	0	1	0	9	19	55	55	34	5	2
11:00	233	63.4	55.2	7.9	0	0	1	0	4	7	45	62	67	41	3	3
12:00	202	63.1	54.9	7.9	0	0	2	1	7	5	25	62	60	36	4	0
13:00	244	64.2	54.5	9.3	0	1	0	1	6	25	36	61	69	35	4	6
14:00	193	65.3	54.5	10.4	0	0	0	1	13	28	17	42	51	23	16	2
15:00	204	64.2	55.4	8.5	0	0	0	0	12	8	25	49	64	38	7	1
16:00	189	63.4	54.9	8.2	0	0	0	0	6	22	22	34	66	35	3	1
17:00	202	62.6	53.9	8.4	0	0	0	0	3	25	41	48	50	28	5	2
18:00	173	66.0	57.2	8.5	0	1	0	0	2	4	18	47	46	49	3	3
19:00	101	68.8	59.7	8.8	0	0	1	0	0	2	5	20	30	35	5	3
20:00	72	69.2	58.5	10.4	0	0	1	0	2	2	7	14	16	23	5	2
21:00	39	66.2	58.2	7.7	0	0	0	0	0	0	6	8	12	10	3	0
22:00	19	76.0	63.9	11.6	0	0	0	0	0	0	4	0	4	4	6	1
23:00	8	63.5	57.5	5.8	0	0	0	0	0	0	1	1	4	2	0	0
Total																
2H(10-12)	413	63.8	55.7	7.8	0	0	1	1	4	16	64	117	122	75	8	5
2H(14-16)	397	64.8	55.0	9.5	0	0	0	1	25	36	42	91	115	61	23	3
12H(7-19)	2112	64.6	55.7	8.6	0	2	3	4	53	143	268	515	620	418	63	23
24H(0-24)	2430	65.2	56.1	8.8	0	2	5	7	56	148	297	578	708	511	89	29
AM Peak	11:00	01:00	03:00	02:00	00:00	00:00	11:00	00:00	11:00	10:00	11:00	11:00	11:00	09:00	09:00	11:00
	233	70.6	65.0	13.9	0	0	1	3	4	9	45	62	67	41	6	3
PM Peak	13:00	22:00	22:00	22:00	12:00	13:00	12:00	12:00	14:00	14:00	17:00	12:00	13:00	18:00	14:00	13:00
	244	76.0	63.9	11.6	0	1	2	1	13	28	41	62	69	49	16	6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	41	74.8	60.1	14.2	0	0	0	4	0	0	2	8	10	8	4	5
01:00	22	71.9	63.9	7.8	0	0	0	0	0	0	1	1	6	9	5	0
02:00	10	67.9	58.3	9.3	0	0	0	0	1	0	1	0	3	5	0	0
03:00	7	69.2	59.3	9.5	0	0	0	0	0	0	1	2	1	2	1	0
04:00	11	65.7	58.2	7.3	0	0	0	0	0	0	2	2	2	5	0	0
05:00	47	70.7	61.4	9.0	0	0	0	0	0	1	2	9	12	15	7	1
06:00	85	67.6	59.0	8.3	0	0	0	0	0	2	3	23	31	17	7	2
07:00	197	65.8	56.7	8.8	0	0	0	0	3	10	28	51	46	47	9	3
08:00	216	69.3	59.7	9.3	0	1	0	0	0	12	14	34	56	76	20	3
09:00	358	66.2	56.7	9.1	0	2	1	1	2	23	47	69	99	95	17	2
10:00	414	64.7	56.0	8.4	0	1	2	4	1	16	55	106	130	83	12	4
11:00	475	64.5	55.8	8.5	0	1	1	0	5	23	85	118	120	105	11	6
12:00	433	63.4	55.5	7.7	0	0	2	3	11	12	54	116	140	86	9	0
13:00	493	66.4	56.8	9.3	0	1	0	2	7	40	49	101	152	111	19	11
14:00	403	66.9	56.9	9.7	0	0	1	1	15	29	32	82	131	77	27	8
15:00	428	65.4	56.4	8.7	0	1	3	0	17	14	35	105	134	100	18	1
16:00	398	65.4	57.1	8.1	0	0	0	0	6	29	35	77	124	114	10	3
17:00	398	66.7	57.2	9.2	0	0	0	0	5	25	52	85	110	90	22	9
18:00	328	67.3	58.4	8.6	0	1	1	1	2	6	28	74	92	105	12	6
19:00	205	69.7	60.7	8.7	0	0	1	0	0	4	8	39	55	76	16	6
20:00	143	69.8	60.1	9.4	0	0	1	0	2	2	10	28	31	54	11	4
21:00	94	73.6	62.2	11.0	0	1	0	0	0	0	7	16	20	30	14	6
22:00	62	72.7	63.2	9.1	0	0	0	0	1	0	5	3	13	28	10	2
23:00	24	64.5	57.6	6.7	0	0	0	0	0	0	4	5	6	9	0	0
Total																
2H(10-12)	889	64.6	55.9	8.4	0	2	3	4	6	39	140	224	250	188	23	10
2H(14-16)	831	66.2	56.6	9.2	0	1	4	1	32	43	67	187	265	177	45	9
12H(7-19)	4541	65.9	56.8	8.8	0	8	11	12	74	239	514	1018	1334	1089	186	56
24H(0-24)	5292	66.7	57.3	9.0	0	9	13	16	78	248	560	1154	1524	1347	261	82
AM Peak	11:00 475	00:00 74.8	01:00 63.9	00:00 14.2	00:00 0	09:00 2	10:00 2	00:00 4	11:00 5	09:00 23	11:00 85	11:00 118	10:00 130	11:00 105	08:00 20	11:00 6
PM Peak	13:00 493	21:00 73.6	22:00 63.2	21:00 11.0	12:00 0	13:00 1	15:00 3	12:00 3	15:00 17	13:00 40	12:00 54	12:00 116	13:00 152	16:00 114	14:00 27	13:00 11

Tween Bridge ATC 12, A18 High Levels Bank

Direction: Eastbound

12/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	8	77.1	65.6	11.1	0	0	0	0	0	0	1	0	1	4	1	1
01:00	9	75.3	63.9	11.0	0	0	0	0	0	0	1	0	3	3	1	1
02:00	11	68.6	61.6	6.7	0	0	0	0	0	0	0	2	3	5	1	0
03:00	16	67.6	58.6	8.7	0	0	0	0	1	0	2	2	2	9	0	0
04:00	26	72.0	63.0	8.7	0	0	0	0	0	1	1	1	8	9	6	0
05:00	122	70.4	63.1	7.1	0	0	0	0	0	0	1	13	30	65	9	4
06:00	165	68.6	60.6	7.8	0	0	0	0	0	0	10	31	48	60	13	3
07:00	365	63.0	56.6	6.2	0	0	0	0	0	2	38	121	124	72	7	1
08:00	394	63.2	53.9	9.0	0	0	16	3	4	16	33	145	112	57	8	0
09:00	290	62.3	53.8	8.2	0	0	0	8	13	13	38	92	80	39	7	0
10:00	257	61.5	54.5	6.7	0	0	0	2	2	9	40	97	71	30	6	0
11:00	236	62.5	55.4	6.9	0	0	1	0	0	8	31	76	84	29	6	1
12:00	286	63.0	54.8	7.9	0	0	0	0	2	24	40	99	70	41	6	4
13:00	287	62.6	52.5	9.8	0	0	8	15	0	11	60	88	66	30	6	3
14:00	316	62.6	53.0	9.2	0	0	13	2	7	10	67	78	94	38	7	0
15:00	347	62.5	54.6	7.7	0	0	0	0	5	30	58	93	98	56	4	3
16:00	387	63.3	55.5	7.5	0	0	0	4	6	11	53	119	112	69	13	0
17:00	401	67.2	58.1	8.8	0	1	3	2	0	8	38	80	135	107	21	6
18:00	181	69.6	60.9	8.4	0	0	0	0	0	8	11	20	49	70	22	1
19:00	133	70.9	61.5	9.1	0	0	0	0	1	8	3	12	37	53	16	3
20:00	91	72.6	62.9	9.4	0	0	0	0	0	2	3	11	26	29	16	4
21:00	62	69.9	61.5	8.2	0	0	0	1	0	0	4	4	18	29	5	1
22:00	35	73.5	62.5	10.7	0	0	0	0	0	1	4	3	5	18	0	4
23:00	19	69.5	59.9	9.3	0	0	0	0	0	1	2	2	6	5	3	0
Total																
2H(10-12)	493	62.0	54.9	6.8	0	0	1	2	2	17	71	173	155	59	12	1
2H(14-16)	663	62.6	53.8	8.5	0	0	13	2	12	40	125	171	192	94	11	3
12H(7-19)	3747	63.8	55.2	8.3	0	1	41	36	39	150	507	1108	1095	638	113	19
24H(0-24)	4444	65.3	56.2	8.7	0	1	41	37	41	163	539	1189	1282	927	184	40
AM Peak	08:00 394	00:00 77.1	00:00 65.6	00:00 11.1	00:00 0	00:00 0	08:00 16	09:00 8	09:00 13	08:00 16	10:00 40	08:00 145	07:00 124	07:00 72	06:00 13	05:00 4
PM Peak	17:00 401	22:00 73.5	20:00 62.9	22:00 10.7	12:00 0	17:00 1	14:00 13	13:00 15	14:00 7	15:00 30	14:00 67	16:00 119	17:00 135	17:00 107	18:00 22	17:00 6

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<70	Bin 11 70<80	Bin 12 >=80
00:00	7	75.4	65.4	9.7	0	0	0	0	0	0	0	1	2	1	3	0
01:00	5	63.5	57.0	6.2	0	0	0	0	0	0	1	0	3	1	0	0
02:00	6	64.0	60.0	3.9	0	0	0	0	0	0	0	0	4	2	0	0
03:00	14	64.0	54.1	9.6	0	0	0	0	1	1	4	2	1	5	0	0
04:00	54	63.0	52.8	9.8	0	0	1	1	2	4	11	18	7	7	3	0
05:00	129	66.1	58.1	7.7	0	0	0	0	0	4	15	20	50	32	7	1
06:00	218	62.6	54.0	8.3	0	0	2	3	0	14	46	73	31	44	5	0
07:00	328	62.7	53.9	8.5	0	0	3	7	3	22	64	84	80	58	7	0
08:00	289	64.2	53.5	10.3	0	3	16	1	0	15	33	74	91	54	2	0
09:00	237	60.3	52.4	7.6	0	0	0	4	10	20	40	92	44	24	2	1
10:00	183	60.4	53.1	7.0	0	0	0	0	0	7	64	57	31	21	1	2
11:00	249	60.2	52.6	7.3	0	0	0	1	7	24	51	89	48	24	5	0
12:00	183	59.6	53.2	6.1	0	0	0	0	1	14	32	75	46	12	3	0
13:00	209	60.5	52.9	7.4	0	0	0	1	5	19	43	73	43	21	3	1
14:00	271	58.1	51.1	6.8	0	0	0	1	7	44	65	91	39	23	1	0
15:00	289	60.5	52.0	8.1	0	0	0	12	7	28	54	92	65	28	1	2
16:00	335	62.1	55.6	6.2	0	0	0	0	5	5	34	121	109	58	2	1
17:00	309	64.3	55.8	8.2	0	0	1	11	1	12	27	78	100	74	5	0
18:00	171	66.9	59.0	7.6	0	0	0	0	0	1	12	39	63	41	13	2
19:00	104	68.1	58.7	9.1	0	0	0	0	2	7	6	17	30	34	6	2
20:00	60	67.0	57.4	9.2	0	0	0	0	2	2	4	18	16	14	2	2
21:00	61	69.9	59.3	10.1	0	0	0	0	2	1	5	14	14	18	4	3
22:00	28	68.4	59.8	8.3	0	0	0	0	0	0	2	7	7	10	1	1
23:00	19	66.8	53.7	12.7	0	0	0	3	0	1	2	4	4	3	2	0
Total																
2H(10-12)	432	60.3	52.8	7.2	0	0	0	1	7	31	115	146	79	45	6	2
2H(14-16)	560	59.4	51.6	7.5	0	0	0	13	14	72	119	183	104	51	2	2
12H(7-19)	3053	62.0	53.7	8.0	0	3	20	38	46	211	519	965	759	438	45	9
24H(0-24)	3758	62.8	54.3	8.3	0	3	23	45	55	245	615	1139	928	609	78	18
AM Peak	07:00 328	00:00 75.4	00:00 65.4	08:00 10.3	00:00 0	08:00 3	08:00 16	07:00 7	09:00 10	11:00 24	07:00 64	09:00 92	08:00 91	07:00 58	05:00 7	10:00 2
PM Peak	16:00 335	21:00 69.9	22:00 59.8	23:00 12.7	12:00 0	12:00 0	17:00 1	15:00 12	14:00 7	14:00 44	14:00 65	16:00 121	16:00 109	17:00 74	18:00 13	21:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	15	76.0	65.5	10.1	0	0	0	0	0	0	1	1	3	5	4	1
01:00	14	71.7	61.4	9.9	0	0	0	0	0	0	2	0	6	4	1	1
02:00	17	67.0	61.0	5.8	0	0	0	0	0	0	0	2	7	7	1	0
03:00	30	66.1	56.5	9.3	0	0	0	0	2	1	6	4	3	14	0	0
04:00	80	67.1	56.1	10.5	0	0	1	1	2	5	12	19	15	16	9	0
05:00	251	68.6	60.5	7.8	0	0	0	0	0	4	16	33	80	97	16	5
06:00	383	65.8	56.8	8.7	0	0	2	3	0	14	56	104	79	104	18	3
07:00	693	63.1	55.3	7.5	0	0	3	7	3	24	102	205	204	130	14	1
08:00	683	63.6	53.8	9.5	0	3	32	4	4	31	66	219	203	111	10	0
09:00	527	61.4	53.1	8.0	0	0	0	12	23	33	78	184	124	63	9	1
10:00	440	61.0	53.9	6.9	0	0	0	2	2	16	104	154	102	51	7	2
11:00	485	61.5	54.0	7.2	0	0	1	1	7	32	82	165	132	53	11	1
12:00	469	61.7	54.2	7.3	0	0	0	0	3	38	72	174	116	53	9	4
13:00	496	61.8	52.7	8.8	0	0	8	16	5	30	103	161	109	51	9	4
14:00	587	60.7	52.1	8.2	0	0	13	3	14	54	132	169	133	61	8	0
15:00	636	61.7	53.4	8.0	0	0	0	12	12	58	112	185	163	84	5	5
16:00	722	62.8	55.6	7.0	0	0	0	4	11	16	87	240	221	127	15	1
17:00	710	66.0	57.1	8.6	0	1	4	13	1	20	65	158	235	181	26	6
18:00	352	68.3	60.0	8.1	0	0	0	0	0	9	23	59	112	111	35	3
19:00	237	69.8	60.3	9.2	0	0	0	0	3	15	9	29	67	87	22	5
20:00	151	70.7	60.7	9.7	0	0	0	0	2	4	7	29	42	43	18	6
21:00	123	70.0	60.4	9.2	0	0	0	1	2	1	9	18	32	47	9	4
22:00	63	71.4	61.3	9.7	0	0	0	0	0	1	6	10	12	28	1	5
23:00	38	68.6	56.8	11.4	0	0	0	3	0	2	4	6	10	8	5	0
Total																
2H(10-12)	925	61.3	53.9	7.0	0	0	1	3	9	48	186	319	234	104	18	3
2H(14-16)	1223	61.2	52.8	8.1	0	0	13	15	26	112	244	354	296	145	13	5
12H(7-19)	6800	63.0	54.5	8.2	0	4	61	74	85	361	1026	2073	1854	1076	158	28
24H(0-24)	8202	64.2	55.3	8.6	0	4	64	82	96	408	1154	2328	2210	1536	262	58
AM Peak	07:00 693	00:00 76.0	00:00 65.5	04:00 10.5	00:00 0	08:00 3	08:00 32	09:00 12	09:00 23	09:00 33	10:00 104	08:00 219	07:00 204	07:00 130	06:00 18	05:00 5
PM Peak	16:00 722	22:00 71.4	22:00 61.3	23:00 11.4	12:00 0	17:00 1	14:00 13	13:00 16	14:00 14	15:00 58	14:00 132	16:00 240	17:00 235	17:00 181	18:00 35	17:00 6



Appendix M : Automatic Traffic Survey Reports – Link 13

Tween Bridge ATC 13, A18 Tudworth Road



Direction: Southwestbound

Direction: Northeastbound

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	5	5	7	7	14	17	7	6	9
01:00	4	3	6	5	1	6	6	5	4
02:00	4	5	6	2	7	7	8	5	6
03:00	8	5	2	3	2	4	3	4	4
04:00	7	5	9	7	5	7	11	8	7
05:00	53	43	37	41	14	12	50	45	36
06:00	142	168	161	148	55	44	152	154	124
07:00	438	481	451	448	155	115	424	448	359
08:00	400	356	403	340	179	101	305	361	288
09:00	250	265	289	242	216	181	275	264	245
10:00	257	272	236	281	299	265	270	263	269
11:00	263	295	263	259	310	264	239	264	270
12:00	248	250	269	271	315	288	242	256	269
13:00	282	251	230	286	274	267	267	263	265
14:00	269	300	259	307	224	231	254	278	263
15:00	347	309	314	359	188	198	300	326	288
16:00	393	365	396	338	169	199	367	372	318
17:00	402	402	393	324	175	138	393	383	318
18:00	188	243	233	218	145	157	182	213	195
19:00	130	126	153	133	119	130	118	132	130
20:00	79	96	72	67	73	81	58	74	75
21:00	60	46	72	68	56	60	54	60	59
22:00	33	39	33	36	42	22	30	34	34
23:00	20	26	18	22	24	16	26	22	22
Total									
12H(7-19)	3737	3789	3738	3673	2649	2404	3518	3691	3358
16H(6-22)	4148	4225	4196	4089	2952	2719	3900	4112	3747
18H(6-24)	4201	4290	4247	4147	3018	2757	3956	4168	3802
24H(0-24)	4282	4356	4314	4212	3061	2810	4041	4241	3868
AM Peak	07:00	07:00	07:00	07:00	11:00	10:00	07:00	07:00	07:00
PM Peak	17:00	17:00	16:00	15:00	12:00	12:00	17:00	17:00	16:00
Paul Castle Associates	402	402	398	359	315	288	393	383	318

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	5	8	10	8	12	20	10	8	10
01:00	0	4	3	2	5	4	4	3	3
02:00	3	5	1	2	6	3	4	3	3
03:00	7	3	11	7	7	4	4	6	6
04:00	19	34	14	29	9	10	22	24	20
05:00	89	85	88	90	34	25	92	89	72
06:00	225	219	214	198	73	37	205	212	167
07:00	431	446	439	392	130	73	397	421	330
08:00	421	449	413	432	205	101	402	423	346
09:00	332	311	311	316	256	184	318	318	290
10:00	311	241	292	255	285	236	256	271	268
11:00	272	275	250	308	265	265	267	274	272
12:00	320	264	269	319	306	267	298	294	293
13:00	281	275	284	342	287	268	302	297	291
14:00	338	326	405	356	351	292	331	351	343
15:00	388	414	406	426	363	297	324	392	374
16:00	477	464	474	503	337	307	452	474	431
17:00	433	417	368	374	304	263	338	386	357
18:00	217	212	258	237	143	180	185	222	205
19:00	156	177	165	121	89	99	110	146	131
20:00	82	119	109	99	87	82	104	103	97
21:00	63	43	62	70	62	60	72	62	62
22:00	19	40	38	33	54	39	28	32	36
23:00	16	12	17	19	28	9	9	15	16
Total									
12H(7-19)	4221	4094	4169	4260	3232	2733	3870	4123	3797
16H(6-22)	4747	4652	4719	4748	3543	3011	4361	4645	4254
18H(6-24)	4782	4704	4774	4800	3635	3059	4398	4602	4306
24H(0-24)	4905	4843	4901	4938	3698	3125	4534	4824	4421
AM Peak	07:00	08:00	07:00	08:00	10:00	11:00	08:00	08:00	08:00
PM Peak	16:00	16:00	16:00	16:00	15:00	16:00	16:00	16:00	16:00
Paul Castle Associates	477	464	474	503	363	307	452	474	431

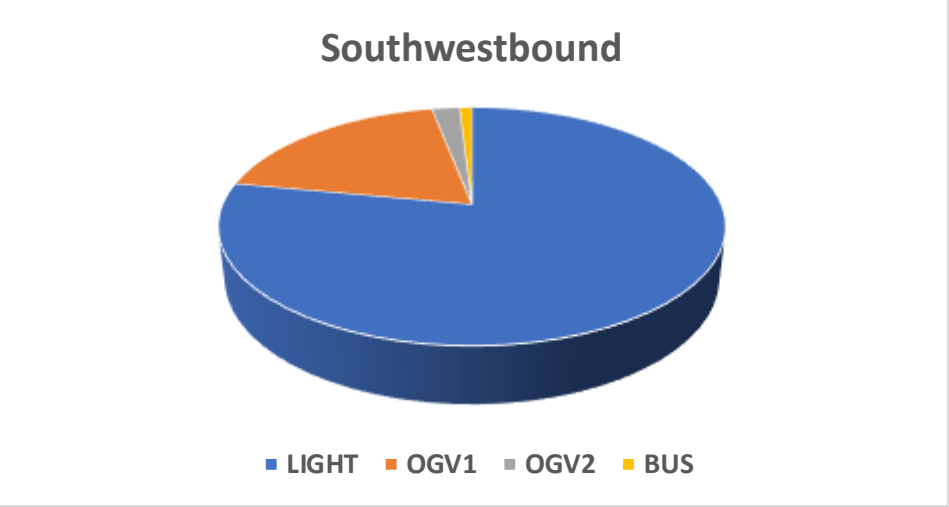
Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	10	13	17	15	26	37	17	14	19
01:00	4	7	9	7	6	10	10	7	8
02:00	7	10	7	4	13	10	12	8	9
03:00	15	8	13	10	9	8	7	11	10
04:00	26	39	23	36	14	17	33	31	27
05:00	142	128	125	131	48	37	142	134	108
06:00	367	387	375	346	128	81	357	366	292
07:00	869	927	890	840	285	188	821	869	689
08:00	821	805	816	772	384	202	707	784	644
09:00	582	576	600	558	472	365	591	582	535
10:00	568	513	528	536	584	501	526	534	537
11:00	535	570	513	567	575	529	506	538	542
12:00	568	514	538	590	611	555	540	550	561
13:00	563	526	514	628	561	535	569	560	557
14:00	607	626	664	663	575	523	585	629	606
15:00	735	723	720	785	551	495	624	717	662
16:00	870	823	872	841	506	506	819	846	749
17:00	835	819	761	698	479	401	731	769	675
18:00	405	455	491	455	288	337	367	435	400
19:00	286	303	318	254	208	229	228	278	261
20:00	161	215	181	166	160	163	162	177	173
21:00	123	89	134	138	118	120	126	122	121
22:00	52	79	71	69	96	61	58	66	69
23:00	36	38	35	41	52	25	35	37	37
Total									
12H(7-19)	7958	7883	7907	7933	5881	5137	7388	7814	7155
16H(6-22)	8895	8877	8915	8837	6495	5730	8261	8757	8001
18H(6-24)	8983	8994	9021	8947	6643	5816	8354	8860	8108
24H(0-24)	9187	9199	9215	9150	6759	5935	8575	9065	8289
AM Peak	07:00	07:00	07:00	07:00	10:00	11:00	07:00	07:00	07:00
PM Peak	16:00	16:00	16:00	16:00	12:00	12:00	16:00	16:00	16:00
Paul Castle Associates	869	927	890	840	584	529	821	869	689

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4282	3333	819	98	32
Wed 7 Jun 2023	4356	3371	836	103	46
Thu 8 Jun 2023	4314	3265	887	118	44
Fri 9 Jun 2023	4212	3247	821	94	50
Sat 10 Jun 2023	3061	2571	462	14	14
Sun 11 Jun 2023	2810	2375	409	9	17
Mon 12 Jun 2023	4041	2949	905	136	51
5 Day Ave.	4241	3233	854	110	45
7 Day Ave.	3868	3016	734	82	36

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	77.8%	19.1%	2.3%	0.7%
Wed 7 Jun 2023	100.0%	77.4%	19.2%	2.4%	1.1%
Thu 8 Jun 2023	100.0%	75.7%	20.6%	2.7%	1.0%
Fri 9 Jun 2023	100.0%	77.1%	19.5%	2.2%	1.2%
Sat 10 Jun 2023	100.0%	84.0%	15.1%	0.5%	0.5%
Sun 11 Jun 2023	100.0%	84.5%	14.6%	0.3%	0.6%
Mon 12 Jun 2023	100.0%	73.0%	22.4%	3.4%	1.3%
5 Day Ave.	100.0%	76.2%	20.1%	2.6%	1.1%
7 Day Ave.	100.0%	78.0%	19.0%	2.1%	0.9%

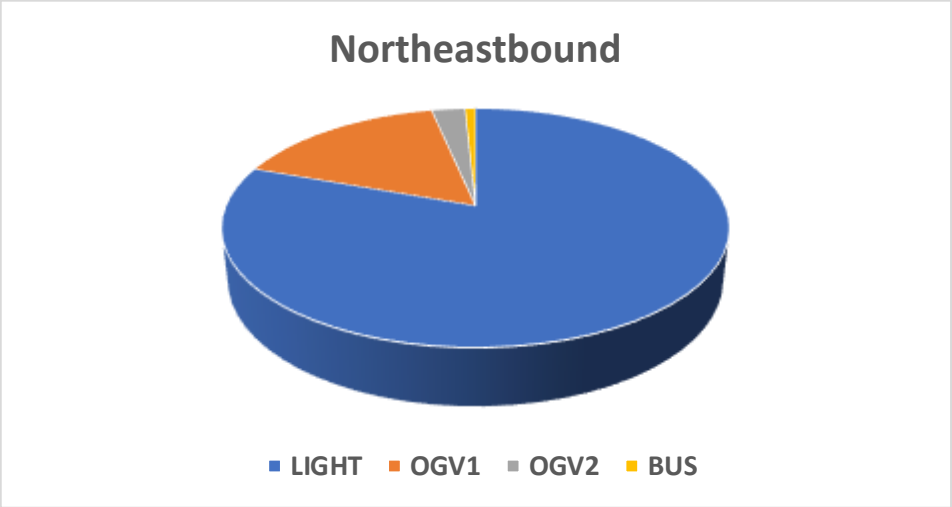
Paul Castle Associates



Direction: Northeastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4905	3952	805	103	45
Wed 7 Jun 2023	4843	3839	827	134	43
Thu 8 Jun 2023	4901	3868	841	158	34
Fri 9 Jun 2023	4938	3921	837	136	44
Sat 10 Jun 2023	3698	3222	433	27	16
Sun 11 Jun 2023	3125	2682	420	9	14
Mon 12 Jun 2023	4534	3420	844	222	48
5 Day Ave.	4824	3800	831	151	43
7 Day Ave.	4421	3558	715	113	35

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	80.6%	16.4%	2.1%	0.9%
Wed 7 Jun 2023	100.0%	79.3%	17.1%	2.8%	0.9%
Thu 8 Jun 2023	100.0%	78.9%	17.2%	3.2%	0.7%
Fri 9 Jun 2023	100.0%	79.4%	17.0%	2.8%	0.9%
Sat 10 Jun 2023	100.0%	87.1%	11.7%	0.7%	0.4%
Sun 11 Jun 2023	100.0%	85.8%	13.4%	0.3%	0.4%
Mon 12 Jun 2023	100.0%	75.4%	18.6%	4.9%	1.1%
5 Day Ave.	100.0%	78.8%	17.2%	3.1%	0.9%
7 Day Ave.	100.0%	80.5%	16.2%	2.5%	0.8%

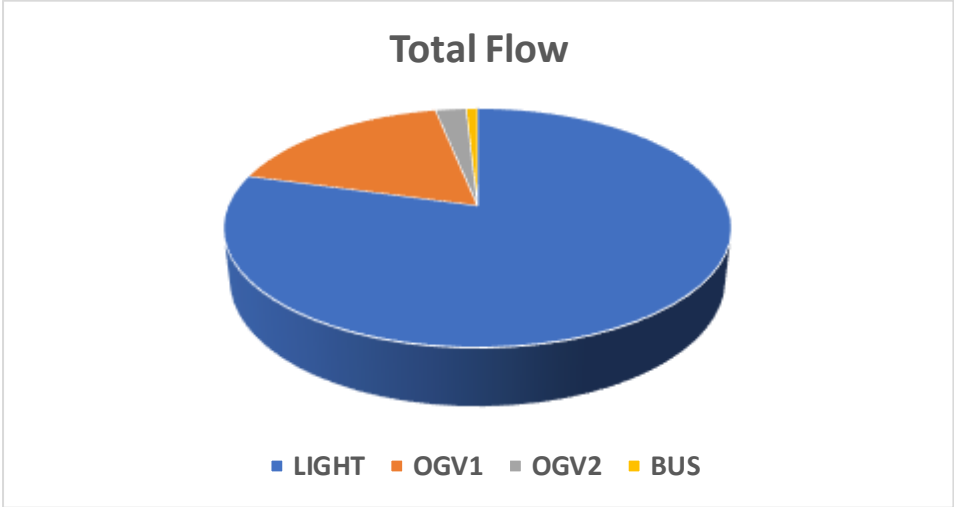
Paul Castle Associates



Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	9187	7285	1624	201	77
Wed 7 Jun 2023	9199	7210	1663	237	89
Thu 8 Jun 2023	9215	7133	1728	276	78
Fri 9 Jun 2023	9150	7168	1658	230	94
Sat 10 Jun 2023	6759	5793	895	41	30
Sun 11 Jun 2023	5935	5057	829	18	31
Mon 12 Jun 2023	8575	6369	1749	358	99
5 Day Ave.	9065	7033	1684	260	87
7 Day Ave.	8289	6574	1449	194	71

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	79.3%	17.7%	2.2%	0.8%
Wed 7 Jun 2023	100.0%	78.4%	18.1%	2.6%	1.0%
Thu 8 Jun 2023	100.0%	77.4%	18.8%	3.0%	0.8%
Fri 9 Jun 2023	100.0%	78.3%	18.1%	2.5%	1.0%
Sat 10 Jun 2023	100.0%	85.7%	13.2%	0.6%	0.4%
Sun 11 Jun 2023	100.0%	85.2%	14.0%	0.3%	0.5%
Mon 12 Jun 2023	100.0%	74.3%	20.4%	4.2%	1.2%
5 Day Ave.	100.0%	77.6%	18.6%	2.9%	1.0%
7 Day Ave.	100.0%	79.3%	17.5%	2.3%	0.9%

Paul Castle Associates

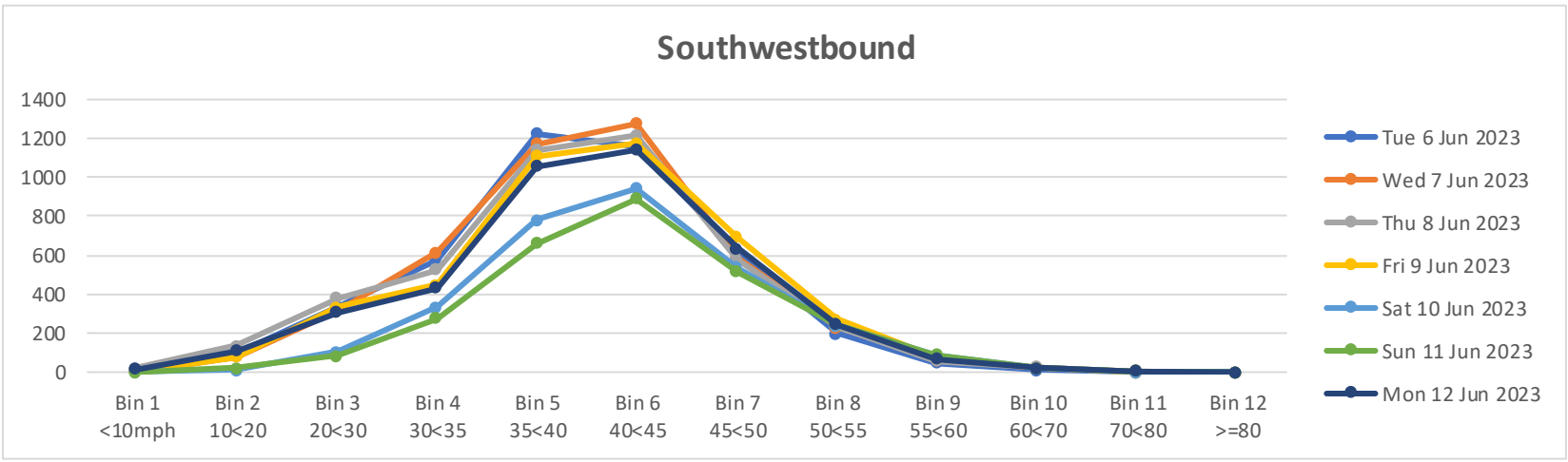


Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	4282	47.5	39.1	8.1	6	95	340	577	1223	1160	619	198	48	13	1	2
Wed 7 Jun 2023	4356	47.8	39.5	8.0	3	77	315	613	1174	1275	581	231	63	21	3	0
Thu 8 Jun 2023	4314	48.1	38.9	8.8	22	135	380	527	1140	1216	579	232	57	24	1	1
Fri 9 Jun 2023	4212	48.6	40.0	8.3	8	77	336	448	1108	1175	691	271	78	20	0	0
Sat 10 Jun 2023	3061	49.3	41.7	7.4	3	11	105	333	781	942	538	241	82	21	2	2
Sun 11 Jun 2023	2810	49.9	42.1	7.5	0	23	84	275	662	888	516	247	89	22	4	0
Mon 12 Jun 2023	4041	48.8	39.7	8.7	14	110	308	434	1059	1141	634	243	69	22	7	0
5 Day Ave.	4241	48.1	39.5	8.4	11	99	336	520	1141	1193	621	235	63	20	2	1
7 Day Ave.	3868	48.6	40.2	8.1	8	75	267	458	1021	1114	594	238	69	20	3	1

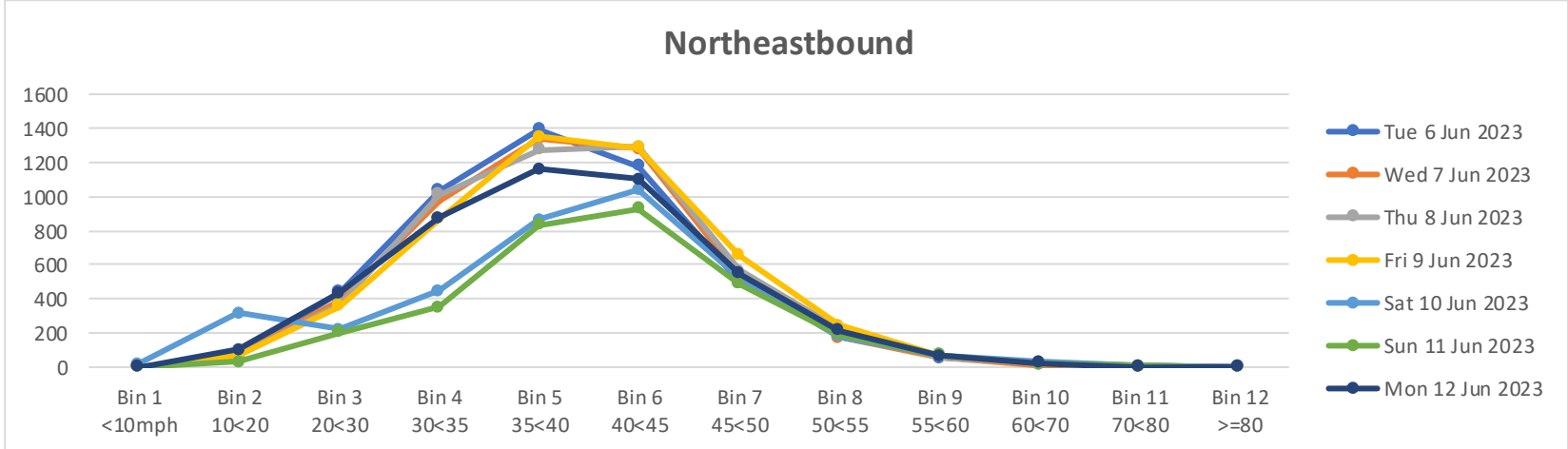
Paul Castle Associates



Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	4905	46.3	38.2	7.8	0	68	442	1037	1392	1177	494	218	55	17	5	0
Wed 7 Jun 2023	4843	46.4	38.5	7.6	0	65	394	979	1339	1282	532	172	60	12	8	0
Thu 8 Jun 2023	4901	46.9	38.8	7.8	2	67	371	1013	1274	1294	564	228	63	21	3	1
Fri 9 Jun 2023	4938	47.3	39.2	7.9	2	74	356	872	1353	1286	657	243	69	22	3	1
Sat 10 Jun 2023	3698	49.0	38.3	10.4	18	314	218	445	863	1040	519	178	64	31	7	1
Sun 11 Jun 2023	3125	48.9	40.6	8.0	0	31	203	352	831	926	486	193	74	21	7	1
Mon 12 Jun 2023	4534	47.1	38.4	8.4	2	99	436	877	1163	1099	549	212	69	24	3	1
5 Day Ave.	4824	46.8	38.6	7.9	1	75	400	956	1304	1228	559	215	63	19	4	1
7 Day Ave.	4421	47.4	38.9	8.3	3	103	346	796	1174	1158	543	206	65	21	5	1

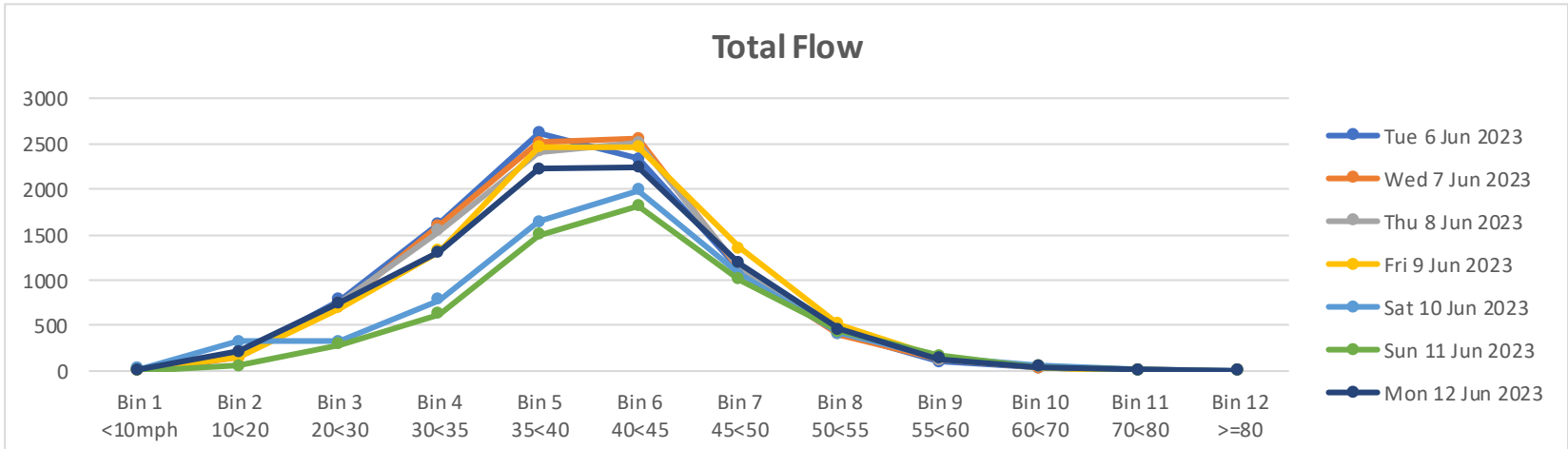
Paul Castle Associates



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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	9187	46.9	38.7	7.9	6	163	782	1614	2615	2337	1113	416	103	30	6	2
Wed 7 Jun 2023	9199	47.1	39.0	7.8	3	142	709	1592	2513	2557	1113	403	123	33	11	0
Thu 8 Jun 2023	9215	47.5	38.8	8.3	24	202	751	1540	2414	2510	1143	460	120	45	4	2
Fri 9 Jun 2023	9150	47.9	39.6	8.1	10	151	692	1320	2461	2461	1348	514	147	42	3	1
Sat 10 Jun 2023	6759	49.5	39.8	9.3	21	325	323	778	1644	1982	1057	419	146	52	9	3
Sun 11 Jun 2023	5935	49.4	41.3	7.8	0	54	287	627	1493	1814	1002	440	163	43	11	1
Mon 12 Jun 2023	8575	47.9	39.0	8.6	16	209	744	1311	2222	2240	1183	455	138	46	10	1
5 Day Ave.	9065	47.5	39.0	8.1	12	173	736	1475	2445	2421	1180	450	126	39	7	1
7 Day Ave.	8289	48.0	39.5	8.3	11	178	613	1255	2195	2272	1137	444	134	42	8	1

Paul Castle Associates



Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	520	44.9	36.6	8.0	1	26	50	78	195	117	42	9	2	0	0	0
Wed 7 Jun 2023	567	45.2	37.4	7.5	1	11	55	115	177	149	41	13	3	1	1	0
Thu 8 Jun 2023	499	45.1	37.2	7.6	0	12	60	88	148	128	51	12	0	0	0	0
Fri 9 Jun 2023	540	46.8	38.9	7.6	1	5	50	72	171	143	69	19	9	1	0	0
Sat 10 Jun 2023	609	46.8	40.1	6.5	0	2	27	81	177	205	89	20	6	2	0	0
Sun 11 Jun 2023	529	48.0	40.4	7.3	0	8	22	72	135	164	86	34	8	0	0	0
Mon 12 Jun 2023	509	44.9	36.7	7.9	4	19	49	75	201	116	32	10	3	0	0	0
5 Day Ave.	527	45.4	37.4	7.7	1	15	53	86	178	131	47	13	3	0	0	0
7 Day Ave.	539	46.0	38.2	7.5	1	12	45	83	172	146	59	17	4	1	0	0

Paul Castle Associates

Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	583	43.9	36.2	7.4	0	8	90	140	175	116	36	12	6	0	0	0
Wed 7 Jun 2023	516	43.4	35.5	7.6	0	16	79	130	144	108	32	5	2	0	0	0
Thu 8 Jun 2023	542	43.7	35.9	7.5	0	13	76	138	163	108	31	9	2	2	0	0
Fri 9 Jun 2023	563	45.9	37.8	7.9	1	12	53	120	144	153	55	20	3	2	0	0
Sat 10 Jun 2023	550	49.0	40.7	8.0	0	14	23	61	132	173	105	28	8	6	0	0
Sun 11 Jun 2023	501	48.1	40.1	7.7	0	3	35	69	132	157	63	28	10	3	1	0
Mon 12 Jun 2023	523	44.5	36.4	7.8	0	18	71	106	144	138	32	13	1	0	0	0
5 Day Ave.	545	44.3	36.4	7.6	0	13	74	127	154	125	37	12	3	1	0	0
7 Day Ave.	540	45.5	37.5	7.7	0	12	61	109	148	136	51	16	5	2	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	1103	44.4	36.4	7.7	1	34	140	218	370	233	78	21	8	0	0	0
Wed 7 Jun 2023	1083	44.4	36.5	7.6	1	27	134	245	321	257	73	18	5	1	1	0
Thu 8 Jun 2023	1041	44.4	36.6	7.6	0	25	136	226	311	236	82	21	2	2	0	0
Fri 9 Jun 2023	1103	46.4	38.4	7.7	2	17	103	192	315	296	124	39	12	3	0	0
Sat 10 Jun 2023	1159	47.9	40.4	7.3	0	16	50	142	309	378	194	48	14	8	0	0
Sun 11 Jun 2023	1030	48.0	40.3	7.5	0	11	57	141	267	321	149	62	18	3	1	0
Mon 12 Jun 2023	1032	44.7	36.5	7.9	4	37	120	181	345	254	64	23	4	0	0	0
5 Day Ave.	1072	44.8	36.9	7.7	2	28	127	212	332	255	84	24	6	1	0	0
7 Day Ave.	1079	45.7	37.9	7.6	1	24	106	192	320	282	109	33	9	2	0	0

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	616	46.3	38.9	7.1	0	9	44	87	189	190	76	15	5	1	0	0
Wed 7 Jun 2023	609	45.7	39.1	6.3	0	3	32	94	206	191	61	18	3	1	0	0
Thu 8 Jun 2023	573	47.0	39.5	7.3	0	11	36	55	181	204	49	30	6	1	0	0
Fri 9 Jun 2023	666	46.3	38.1	7.9	1	13	81	83	195	187	77	24	5	0	0	0
Sat 10 Jun 2023	412	47.7	40.7	6.7	1	0	13	57	119	124	68	23	5	2	0	0
Sun 11 Jun 2023	429	49.9	42.0	7.6	0	4	16	35	109	124	84	42	12	3	0	0
Mon 12 Jun 2023	554	46.8	38.6	7.9	1	11	53	80	147	170	68	15	8	1	0	0
5 Day Ave.	604	46.4	38.8	7.3	0	9	49	80	184	188	66	20	5	1	0	0
7 Day Ave.	551	47.1	39.6	7.3	0	7	39	70	164	170	69	24	6	1	0	0

Paul Castle Associates

Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	726	44.0	36.8	6.9	0	10	76	178	245	154	43	15	4	1	0	0
Wed 7 Jun 2023	740	44.8	38.0	6.6	0	5	53	159	241	196	66	15	4	1	0	0
Thu 8 Jun 2023	811	45.2	38.1	6.8	0	9	46	197	246	213	68	23	8	1	0	0
Fri 9 Jun 2023	782	45.4	37.4	7.7	1	27	62	143	257	198	68	22	3	1	0	0
Sat 10 Jun 2023	714	45.8	33.2	12.1	8	165	43	94	155	155	73	13	5	3	0	0
Sun 11 Jun 2023	589	47.9	40.2	7.4	0	5	37	78	152	184	84	42	5	1	1	0
Mon 12 Jun 2023	655	44.7	36.9	7.5	0	15	65	163	190	156	47	12	5	2	0	0
5 Day Ave.	743	44.8	37.5	7.1	0	13	60	168	236	183	58	17	5	1	0	0
7 Day Ave.	717	45.4	37.2	7.9	1	34	55	145	212	179	64	20	5	1	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	1342	45.1	37.8	7.1	0	19	120	265	434	344	119	30	9	2	0	0
Wed 7 Jun 2023	1349	45.2	38.5	6.5	0	8	85	253	447	387	127	33	7	2	0	0
Thu 8 Jun 2023	1384	46.0	38.7	7.0	0	20	82	252	427	417	117	53	14	2	0	0
Fri 9 Jun 2023	1448	45.9	37.8	7.8	2	40	143	226	452	385	145	46	8	1	0	0
Sat 10 Jun 2023	1126	47.4	35.9	11.1	9	165	56	151	274	279	141	36	10	5	0	0
Sun 11 Jun 2023	1018	48.8	41.0	7.6	0	9	53	113	261	308	168	84	17	4	1	0
Mon 12 Jun 2023	1209	45.7	37.7	7.7	1	26	118	243	337	326	115	27	13	3	0	0
5 Day Ave.	1346	45.6	38.1	7.2	1	23	110	248	419	372	125	38	10	2	0	0
7 Day Ave.	1268	46.3	38.2	7.8	2	41	94	215	376	349	133	44	11	3	0	0

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	4	4	0	0	0
02:00	4	2	2	0	0
03:00	8	7	1	0	0
04:00	7	4	3	0	0
05:00	53	43	7	3	0
06:00	142	108	29	3	2
07:00	438	372	58	8	0
08:00	400	319	69	8	4
09:00	250	189	53	8	0
10:00	257	189	59	8	1
11:00	263	197	57	6	3
12:00	248	184	52	10	2
13:00	282	195	69	8	10
14:00	269	186	69	11	3
15:00	347	261	76	8	2
16:00	393	306	75	10	2
17:00	402	326	69	6	1
18:00	188	161	27	0	0
19:00	130	105	24	1	0
20:00	79	71	7	0	1
21:00	60	52	8	0	0
22:00	33	29	3	0	1
23:00	20	18	2	0	0
Total					
12H(7-19)	3737	2885	733	91	28
16H(6-22)	4148	3221	801	95	31
18H(6-24)	4201	3268	806	95	32
24H(0-24)	4282	3333	819	98	32
AM Peak	07:00 438	07:00 372	08:00 69	07:00 8	08:00 4
PM Peak	17:00 402	17:00 326	15:00 76	14:00 11	13:00 10

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	2	2	1	0
01:00	0	0	0	0	0
02:00	3	2	1	0	0
03:00	7	3	2	2	0
04:00	19	17	1	0	1
05:00	89	81	7	1	0
06:00	225	171	50	2	2
07:00	431	358	65	3	5
08:00	421	349	63	4	5
09:00	332	273	53	4	2
10:00	311	245	56	8	2
11:00	272	196	66	10	0
12:00	320	240	63	12	5
13:00	281	216	53	11	1
14:00	338	243	71	15	9
15:00	388	290	76	16	6
16:00	477	402	65	8	2
17:00	433	386	41	3	3
18:00	217	187	29	1	0
19:00	156	139	16	1	0
20:00	82	67	13	1	1
21:00	63	55	8	0	0
22:00	19	16	2	0	1
23:00	16	14	2	0	0
Total					
12H(7-19)	4221	3385	701	95	40
16H(6-22)	4747	3817	788	99	43
18H(6-24)	4782	3847	792	99	44
24H(0-24)	4905	3952	805	103	45
AM Peak	07:00 431	07:00 358	11:00 66	11:00 10	07:00 5
PM Peak	16:00 477	16:00 402	15:00 76	15:00 16	14:00 9

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	7	2	1	0
01:00	4	4	0	0	0
02:00	7	4	3	0	0
03:00	15	10	3	2	0
04:00	26	21	4	0	1
05:00	142	124	14	4	0
06:00	367	279	79	5	4
07:00	869	730	123	11	5
08:00	821	668	132	12	9
09:00	582	462	106	12	2
10:00	568	434	115	16	3
11:00	535	393	123	16	3
12:00	568	424	115	22	7
13:00	563	411	122	19	11
14:00	607	429	140	26	12
15:00	735	551	152	24	8
16:00	870	708	140	18	4
17:00	835	712	110	9	4
18:00	405	348	56	1	0
19:00	286	244	40	2	0
20:00	161	138	20	1	2
21:00	123	107	16	0	0
22:00	52	45	5	0	2
23:00	36	32	4	0	0
Total					
12H(7-19)	7958	6270	1434	186	68
16H(6-22)	8895	7038	1589	194	74
18H(6-24)	8983	7115	1598	194	76
24H(0-24)	9187	7285	1624	201	77
AM Peak	07:00 869	07:00 730	08:00 132	10:00 16	08:00 9
PM Peak	16:00 870	17:00 712	15:00 152	14:00 26	14:00 12

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	4	1	0	0
01:00	3	2	1	0	0
02:00	5	1	3	0	1
03:00	5	4	1	0	0
04:00	5	4	1	0	0
05:00	43	33	9	1	0
06:00	168	116	39	11	2
07:00	481	385	82	9	5
08:00	356	277	67	8	4
09:00	265	203	54	6	2
10:00	272	212	46	8	6
11:00	295	213	72	6	4
12:00	250	174	62	12	2
13:00	251	186	51	7	7
14:00	300	225	65	9	1
15:00	309	232	66	9	2
16:00	365	287	70	5	3
17:00	402	337	59	2	4
18:00	243	196	39	8	0
19:00	126	112	12	1	1
20:00	96	78	17	0	1
21:00	46	37	9	0	0
22:00	39	33	5	0	1
23:00	26	20	5	1	0
Total					
12H(7-19)	3789	2927	733	89	40
16H(6-22)	4225	3270	810	101	44
18H(6-24)	4290	3323	820	102	45
24H(0-24)	4356	3371	836	103	46
AM Peak	07:00	07:00	07:00	06:00	10:00
	481	385	82	11	6
PM Peak	17:00	17:00	16:00	12:00	13:00
	402	337	70	12	7

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	4	4	0	0	0
02:00	5	3	2	0	0
03:00	3	1	1	1	0
04:00	34	32	2	0	0
05:00	85	79	5	1	0
06:00	219	178	40	1	0
07:00	446	369	70	5	2
08:00	449	361	68	16	4
09:00	311	228	58	16	9
10:00	241	177	53	6	5
11:00	275	191	69	10	5
12:00	264	190	56	14	4
13:00	275	195	61	14	5
14:00	326	245	70	10	1
15:00	414	319	74	20	1
16:00	464	396	63	3	2
17:00	417	338	69	7	3
18:00	212	185	25	2	0
19:00	177	147	26	3	1
20:00	119	108	6	5	0
21:00	43	39	4	0	0
22:00	40	34	5	0	1
23:00	12	12	0	0	0
Total					
12H(7-19)	4094	3194	736	123	41
16H(6-22)	4652	3666	812	132	42
18H(6-24)	4704	3712	817	132	43
24H(0-24)	4843	3839	827	134	43
AM Peak	08:00	07:00	07:00	08:00	09:00
	449	369	70	16	9
PM Peak	16:00	16:00	15:00	15:00	13:00
	464	396	74	20	5

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	12	1	0	0
01:00	7	6	1	0	0
02:00	10	4	5	0	1
03:00	8	5	2	1	0
04:00	39	36	3	0	0
05:00	128	112	14	2	0
06:00	387	294	79	12	2
07:00	927	754	152	14	7
08:00	805	638	135	24	8
09:00	576	431	112	22	11
10:00	513	389	99	14	11
11:00	570	404	141	16	9
12:00	514	364	118	26	6
13:00	526	381	112	21	12
14:00	626	470	135	19	2
15:00	723	551	140	29	3
16:00	829	683	133	8	5
17:00	819	675	128	9	7
18:00	455	381	64	10	0
19:00	303	259	38	4	2
20:00	215	186	23	5	1
21:00	89	76	13	0	0
22:00	79	67	10	0	2
23:00	38	32	5	1	0
Total					
12H(7-19)	7883	6121	1469	212	81
16H(6-22)	8877	6936	1622	233	86
18H(6-24)	8994	7035	1637	234	88
24H(0-24)	9199	7210	1663	237	89
AM Peak	07:00	07:00	07:00	08:00	09:00
	927	754	152	24	11
PM Peak	16:00	16:00	15:00	15:00	13:00
	829	683	140	29	12

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	1	0	0
01:00	6	5	1	0	0
02:00	6	3	3	0	0
03:00	2	2	0	0	0
04:00	9	5	3	1	0
05:00	37	30	6	1	0
06:00	161	114	34	11	2
07:00	451	367	72	7	5
08:00	403	321	71	7	4
09:00	289	208	69	10	2
10:00	236	170	56	8	2
11:00	263	188	57	12	6
12:00	269	180	71	13	5
13:00	230	159	58	12	1
14:00	259	162	78	18	1
15:00	314	231	71	7	5
16:00	398	316	76	2	4
17:00	393	318	66	5	4
18:00	233	196	35	2	0
19:00	153	126	25	1	1
20:00	72	59	12	1	0
21:00	72	56	15	0	1
22:00	33	28	5	0	0
23:00	18	15	2	0	1
Total					
12H(7-19)	3738	2816	780	103	39
16H(6-22)	4196	3171	866	116	43
18H(6-24)	4247	3214	873	116	44
24H(0-24)	4314	3265	887	118	44
AM Peak	07:00 451	07:00 367	07:00 72	11:00 12	11:00 6
PM Peak	16:00 398	17:00 318	14:00 78	14:00 18	12:00 5

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	9	1	0	0
01:00	3	3	0	0	0
02:00	1	1	0	0	0
03:00	11	8	3	0	0
04:00	14	11	3	0	0
05:00	88	80	8	0	0
06:00	214	174	36	4	0
07:00	439	364	69	5	1
08:00	413	332	73	4	4
09:00	311	238	64	7	2
10:00	292	229	52	8	3
11:00	250	184	48	16	2
12:00	269	190	56	20	3
13:00	284	200	65	16	3
14:00	405	286	76	35	8
15:00	406	303	74	25	4
16:00	474	389	74	9	2
17:00	368	308	54	5	1
18:00	258	226	30	2	0
19:00	165	146	19	0	0
20:00	109	87	21	1	0
21:00	62	51	10	0	1
22:00	38	33	4	1	0
23:00	17	16	1	0	0
Total					
12H(7-19)	4169	3249	735	152	33
16H(6-22)	4719	3707	821	157	34
18H(6-24)	4774	3756	826	158	34
24H(0-24)	4901	3868	841	158	34
AM Peak	07:00 439	07:00 364	08:00 73	11:00 16	08:00 4
PM Peak	16:00 474	16:00 389	14:00 76	14:00 35	14:00 8

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	15	2	0	0
01:00	9	8	1	0	0
02:00	7	4	3	0	0
03:00	13	10	3	0	0
04:00	23	16	6	1	0
05:00	125	110	14	1	0
06:00	375	288	70	15	2
07:00	890	731	141	12	6
08:00	816	653	144	11	8
09:00	600	446	133	17	4
10:00	528	399	108	16	5
11:00	513	372	105	28	8
12:00	538	370	127	33	8
13:00	514	359	123	28	4
14:00	664	448	154	53	9
15:00	720	534	145	32	9
16:00	872	705	150	11	6
17:00	761	626	120	10	5
18:00	491	422	65	4	0
19:00	318	272	44	1	1
20:00	181	146	33	2	0
21:00	134	107	25	0	2
22:00	71	61	9	1	0
23:00	35	31	3	0	1
Total					
12H(7-19)	7907	6065	1515	255	72
16H(6-22)	8915	6878	1687	273	77
18H(6-24)	9021	6970	1699	274	78
24H(0-24)	9215	7133	1728	276	78
AM Peak	07:00 890	07:00 731	08:00 144	11:00 28	08:00 8
PM Peak	16:00 872	16:00 705	14:00 154	14:00 53	14:00 9

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	5	2	0	0
01:00	5	3	2	0	0
02:00	2	1	1	0	0
03:00	3	3	0	0	0
04:00	7	6	1	0	0
05:00	41	35	4	2	0
06:00	148	99	39	7	3
07:00	448	345	81	14	8
08:00	340	267	63	8	2
09:00	242	176	56	9	1
10:00	281	208	54	13	6
11:00	259	187	60	7	5
12:00	271	193	66	7	5
13:00	286	212	62	6	6
14:00	307	215	76	13	3
15:00	359	286	66	5	2
16:00	338	278	55	2	3
17:00	324	263	55	1	5
18:00	218	187	31	0	0
19:00	133	112	21	0	0
20:00	67	57	9	0	1
21:00	68	55	13	0	0
22:00	36	34	2	0	0
23:00	22	20	2	0	0
Total					
12H(7-19)	3673	2817	725	85	46
16H(6-22)	4089	3140	807	92	50
18H(6-24)	4147	3194	811	92	50
24H(0-24)	4212	3247	821	94	50
AM Peak	07:00 448	07:00 345	07:00 81	07:00 14	07:00 8
PM Peak	15:00 359	15:00 286	14:00 76	14:00 13	13:00 6

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	2	2	0	0	0
02:00	2	1	1	0	0
03:00	7	6	1	0	0
04:00	29	25	4	0	0
05:00	90	80	8	2	0
06:00	198	159	34	3	2
07:00	392	323	62	5	2
08:00	432	357	69	3	3
09:00	316	249	60	6	1
10:00	255	176	58	18	3
11:00	308	243	46	14	5
12:00	319	236	58	22	3
13:00	342	247	74	19	2
14:00	356	275	63	12	6
15:00	426	329	81	11	5
16:00	503	396	86	16	5
17:00	374	309	58	4	3
18:00	237	203	32	0	2
19:00	121	106	13	1	1
20:00	99	86	12	0	1
21:00	70	57	13	0	0
22:00	33	30	3	0	0
23:00	19	18	1	0	0
Total					
12H(7-19)	4260	3343	747	130	40
16H(6-22)	4748	3751	819	134	44
18H(6-24)	4800	3799	823	134	44
24H(0-24)	4938	3921	837	136	44
AM Peak	08:00 432	08:00 357	08:00 69	10:00 18	11:00 5
PM Peak	16:00 503	16:00 396	16:00 86	12:00 22	14:00 6

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	13	2	0	0
01:00	7	5	2	0	0
02:00	4	2	2	0	0
03:00	10	9	1	0	0
04:00	36	31	5	0	0
05:00	131	115	12	4	0
06:00	346	258	73	10	5
07:00	840	668	143	19	10
08:00	772	624	132	11	5
09:00	558	425	116	15	2
10:00	536	384	112	31	9
11:00	567	430	106	21	10
12:00	590	429	124	29	8
13:00	628	459	136	25	8
14:00	663	490	139	25	9
15:00	785	615	147	16	7
16:00	841	674	141	18	8
17:00	698	572	113	5	8
18:00	455	390	63	0	2
19:00	254	218	34	1	1
20:00	166	143	21	0	2
21:00	138	112	26	0	0
22:00	69	64	5	0	0
23:00	41	38	3	0	0
Total					
12H(7-19)	7933	6160	1472	215	86
16H(6-22)	8837	6891	1626	226	94
18H(6-24)	8947	6993	1634	226	94
24H(0-24)	9150	7168	1658	230	94
AM Peak	07:00 840	07:00 668	07:00 143	10:00 31	07:00 10
PM Peak	16:00 841	16:00 674	15:00 147	12:00 29	14:00 9

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	13	1	0	0
01:00	1	0	1	0	0
02:00	7	7	0	0	0
03:00	2	1	1	0	0
04:00	5	4	1	0	0
05:00	14	12	2	0	0
06:00	55	43	10	1	1
07:00	155	109	44	2	0
08:00	179	136	42	1	0
09:00	216	177	36	2	1
10:00	299	257	41	1	0
11:00	310	272	36	1	1
12:00	315	267	46	2	0
13:00	274	235	37	1	1
14:00	224	189	34	0	1
15:00	188	161	25	0	2
16:00	169	146	20	1	2
17:00	175	151	24	0	0
18:00	145	127	17	0	1
19:00	119	102	17	0	0
20:00	73	62	9	1	1
21:00	56	44	11	0	1
22:00	42	37	3	0	2
23:00	24	19	4	1	0
Total					
12H(7-19)	2649	2227	402	11	9
16H(6-22)	2952	2478	449	13	12
18H(6-24)	3018	2534	456	14	14
24H(0-24)	3061	2571	462	14	14
AM Peak	11:00 310	11:00 272	07:00 44	07:00 2	06:00 1
PM Peak	12:00 315	12:00 267	12:00 46	12:00 2	15:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	10	2	0	0
01:00	5	5	0	0	0
02:00	6	6	0	0	0
03:00	7	5	1	1	0
04:00	9	8	1	0	0
05:00	34	30	4	0	0
06:00	73	63	9	0	1
07:00	130	100	27	3	0
08:00	205	170	28	5	2
09:00	256	220	29	4	3
10:00	285	241	41	3	0
11:00	265	223	40	2	0
12:00	306	274	31	1	0
13:00	287	257	29	1	0
14:00	351	315	28	5	3
15:00	363	322	40	0	1
16:00	337	309	27	1	0
17:00	304	254	49	0	1
18:00	143	131	11	1	0
19:00	89	76	13	0	0
20:00	87	76	10	0	1
21:00	62	55	6	0	1
22:00	54	51	2	0	1
23:00	28	21	5	0	2
Total					
12H(7-19)	3232	2816	380	26	10
16H(6-22)	3543	3086	418	26	13
18H(6-24)	3625	3158	425	26	16
24H(0-24)	3698	3222	433	27	16
AM Peak	10:00 285	10:00 241	10:00 41	08:00 5	09:00 3
PM Peak	15:00 363	15:00 322	17:00 49	14:00 5	14:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	26	23	3	0	0
01:00	6	5	1	0	0
02:00	13	13	0	0	0
03:00	9	6	2	1	0
04:00	14	12	2	0	0
05:00	48	42	6	0	0
06:00	128	106	19	1	2
07:00	285	209	71	5	0
08:00	384	306	70	6	2
09:00	472	397	65	6	4
10:00	584	498	82	4	0
11:00	575	495	76	3	1
12:00	621	541	77	3	0
13:00	561	492	66	2	1
14:00	575	504	62	5	4
15:00	551	483	65	0	3
16:00	506	455	47	2	2
17:00	479	405	73	0	1
18:00	288	258	28	1	1
19:00	208	178	30	0	0
20:00	160	138	19	1	2
21:00	118	99	17	0	2
22:00	96	88	5	0	3
23:00	52	40	9	1	2
Total					
12H(7-19)	5881	5043	782	37	19
16H(6-22)	6495	5564	867	39	25
18H(6-24)	6643	5692	881	40	30
24H(0-24)	6759	5793	895	41	30
AM Peak	10:00 584	10:00 498	10:00 82	08:00 6	09:00 4
PM Peak	12:00 621	12:00 541	12:00 77	14:00 5	14:00 4

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	17	0	0	0
01:00	6	6	0	0	0
02:00	7	5	2	0	0
03:00	4	4	0	0	0
04:00	7	5	2	0	0
05:00	12	11	1	0	0
06:00	44	39	4	1	0
07:00	115	86	28	0	1
08:00	101	80	20	0	1
09:00	181	154	27	0	0
10:00	265	228	36	0	1
11:00	264	224	38	1	1
12:00	288	245	38	1	4
13:00	267	241	26	0	0
14:00	231	193	34	2	2
15:00	198	175	23	0	0
16:00	199	171	26	0	2
17:00	138	116	21	0	1
18:00	157	126	27	2	2
19:00	130	107	22	1	0
20:00	81	63	17	0	1
21:00	60	46	13	1	0
22:00	22	17	4	0	1
23:00	16	16	0	0	0
Total					
12H(7-19)	2404	2039	344	6	15
16H(6-22)	2719	2294	400	9	16
18H(6-24)	2757	2327	404	9	17
24H(0-24)	2810	2375	409	9	17
AM Peak	10:00 265	10:00 228	11:00 38	06:00 1	07:00 1
PM Peak	12:00 288	12:00 245	12:00 38	14:00 2	12:00 4

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	20	17	3	0	0
01:00	4	4	0	0	0
02:00	3	3	0	0	0
03:00	4	4	0	0	0
04:00	10	9	1	0	0
05:00	25	21	4	0	0
06:00	37	33	4	0	0
07:00	73	62	10	0	1
08:00	101	86	15	0	0
09:00	184	151	32	1	0
10:00	236	198	36	2	0
11:00	265	222	40	2	1
12:00	267	225	40	1	1
13:00	268	234	30	2	2
14:00	292	265	25	0	2
15:00	297	250	46	0	1
16:00	307	275	31	0	1
17:00	263	229	33	1	0
18:00	180	148	29	0	3
19:00	99	88	11	0	0
20:00	82	66	15	0	1
21:00	60	50	10	0	0
22:00	39	34	4	0	1
23:00	9	8	1	0	0
Total					
12H(7-19)	2733	2345	367	9	12
16H(6-22)	3011	2582	407	9	13
18H(6-24)	3059	2624	412	9	14
24H(0-24)	3125	2682	420	9	14
AM Peak	11:00 265	11:00 222	11:00 40	10:00 2	07:00 1
PM Peak	16:00 307	16:00 275	15:00 46	13:00 2	18:00 3

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	37	34	3	0	0
01:00	10	10	0	0	0
02:00	10	8	2	0	0
03:00	8	8	0	0	0
04:00	17	14	3	0	0
05:00	37	32	5	0	0
06:00	81	72	8	1	0
07:00	188	148	38	0	2
08:00	202	166	35	0	1
09:00	365	305	59	1	0
10:00	501	426	72	2	1
11:00	529	446	78	3	2
12:00	555	470	78	2	5
13:00	535	475	56	2	2
14:00	523	458	59	2	4
15:00	495	425	69	0	1
16:00	506	446	57	0	3
17:00	401	345	54	1	1
18:00	337	274	56	2	5
19:00	229	195	33	1	0
20:00	163	129	32	0	2
21:00	120	96	23	1	0
22:00	61	51	8	0	2
23:00	25	24	1	0	0
Total					
12H(7-19)	5137	4384	711	15	27
16H(6-22)	5730	4876	807	18	29
18H(6-24)	5816	4951	816	18	31
24H(0-24)	5935	5057	829	18	31
AM Peak	11:00 529	11:00 446	11:00 78	11:00 3	07:00 2
PM Peak	12:00 555	13:00 475	12:00 78	12:00 2	12:00 5

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound					
12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	6	3	3	0	0
02:00	8	6	2	0	0
03:00	3	2	1	0	0
04:00	11	9	1	1	0
05:00	50	39	8	3	0
06:00	152	102	36	10	4
07:00	424	323	86	9	6
08:00	305	231	65	8	1
09:00	275	191	68	13	3
10:00	270	182	74	9	5
11:00	239	165	50	21	3
12:00	242	152	73	14	3
13:00	267	180	74	9	4
14:00	254	171	66	10	7
15:00	300	220	63	14	3
16:00	367	283	76	3	5
17:00	393	307	77	7	2
18:00	182	145	34	3	0
19:00	118	94	22	1	1
20:00	58	46	10	1	1
21:00	54	44	9	0	1
22:00	30	26	3	0	1
23:00	26	21	4	0	1
Total					
12H(7-19)	3518	2550	806	120	42
16H(6-22)	3900	2836	883	132	49
18H(6-24)	3956	2883	890	132	51
24H(0-24)	4041	2949	905	136	51
AM Peak	07:00 424	07:00 323	07:00 86	11:00 21	07:00 6
PM Peak	17:00 393	17:00 307	17:00 77	12:00 14	14:00 7

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	7	3	0	0
01:00	4	3	1	0	0
02:00	4	3	1	0	0
03:00	4	3	1	0	0
04:00	22	19	2	1	0
05:00	92	79	13	0	0
06:00	205	156	43	5	1
07:00	397	310	67	14	6
08:00	402	293	83	21	5
09:00	318	220	72	21	5
10:00	256	170	65	17	4
11:00	267	179	66	17	5
12:00	298	197	77	21	3
13:00	302	209	71	19	3
14:00	331	216	74	39	2
15:00	324	252	46	19	7
16:00	452	385	47	20	0
17:00	338	278	53	4	3
18:00	185	166	18	1	0
19:00	110	95	13	1	1
20:00	104	85	17	1	1
21:00	72	64	7	0	1
22:00	28	25	2	0	1
23:00	9	6	2	1	0
Total					
12H(7-19)	3870	2875	739	213	43
16H(6-22)	4361	3275	819	220	47
18H(6-24)	4398	3306	823	221	48
24H(0-24)	4534	3420	844	222	48
AM Peak	08:00 402	07:00 310	08:00 83	08:00 21	07:00 6
PM Peak	16:00 452	16:00 385	12:00 77	14:00 39	15:00 7

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	14	3	0	0
01:00	10	6	4	0	0
02:00	12	9	3	0	0
03:00	7	5	2	0	0
04:00	33	28	3	2	0
05:00	142	118	21	3	0
06:00	357	258	79	15	5
07:00	821	633	153	23	12
08:00	707	524	148	29	6
09:00	593	411	140	34	8
10:00	526	352	139	26	9
11:00	506	344	116	38	8
12:00	540	349	150	35	6
13:00	569	389	145	28	7
14:00	585	387	140	49	9
15:00	624	472	109	33	10
16:00	819	668	123	23	5
17:00	731	585	130	11	5
18:00	367	311	52	4	0
19:00	228	189	35	2	2
20:00	162	131	27	2	2
21:00	126	108	16	0	2
22:00	58	51	5	0	2
23:00	35	27	6	1	1
Total					
12H(7-19)	7388	5425	1545	333	85
16H(6-22)	8261	6111	1702	352	96
18H(6-24)	8354	6189	1713	353	99
24H(0-24)	8575	6369	1749	358	99
AM Peak	07:00 821	07:00 633	07:00 153	11:00 38	07:00 12
PM Peak	16:00 819	16:00 668	12:00 150	14:00 49	15:00 10

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

06/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	5	53.4	43.0	10.1	0	0	1	0	0	0	4	0	0	0	0	0
01:00	4	56.7	50.0	6.5	0	0	0	0	0	1	1	1	1	0	0	0
02:00	4	46.3	43.8	2.5	0	0	0	0	0	3	1	0	0	0	0	0
03:00	8	59.6	50.3	9.0	0	0	0	1	0	0	2	4	0	1	0	0
04:00	7	58.8	49.3	9.2	0	0	0	0	1	2	0	3	0	1	0	0
05:00	53	54.0	45.0	8.7	0	1	1	2	11	8	16	9	4	1	0	0
06:00	142	50.3	42.7	7.4	0	2	6	10	16	51	44	9	4	0	0	0
07:00	438	45.0	38.3	6.5	0	5	34	61	155	135	40	7	1	0	0	0
08:00	400	45.3	36.2	8.8	2	21	61	54	103	113	41	5	0	0	0	0
09:00	250	47.2	39.5	7.5	0	8	7	33	80	76	30	14	2	0	0	0
10:00	257	45.6	36.4	8.9	1	17	28	40	74	66	25	5	1	0	0	0
11:00	263	44.2	36.9	7.1	0	9	22	38	121	51	17	4	1	0	0	0
12:00	248	45.3	38.4	6.6	0	2	14	50	89	60	21	10	2	0	0	0
13:00	282	44.9	37.8	6.8	0	4	21	61	93	66	29	8	0	0	0	0
14:00	269	45.7	37.8	7.6	0	7	23	48	86	67	31	4	2	1	0	0
15:00	347	46.5	39.8	6.5	0	2	21	39	103	123	45	11	3	0	0	0
16:00	393	47.1	39.7	7.2	0	3	27	57	112	109	60	22	3	0	0	0
17:00	402	47.7	38.2	9.2	1	12	60	48	98	83	75	20	4	1	0	0
18:00	188	51.6	43.9	7.4	0	1	3	10	39	44	68	17	3	2	0	1
19:00	130	50.6	42.3	8.0	1	1	4	15	18	44	30	13	3	1	0	0
20:00	79	52.1	44.7	7.1	0	0	2	3	11	29	15	14	4	1	0	0
21:00	60	55.3	46.8	8.2	0	0	2	2	5	16	14	12	7	2	0	0
22:00	33	54.2	43.3	10.5	1	0	1	3	3	12	6	5	0	2	0	0
23:00	20	61.8	46.0	15.3	0	0	2	2	5	1	4	1	3	0	1	1
Total																
2H(10-12)	520	44.9	36.6	8.0	1	26	50	78	195	117	42	9	2	0	0	0
2H(14-16)	616	46.3	38.9	7.1	0	9	44	87	189	190	76	15	5	1	0	0
12H(7-19)	3737	46.5	38.4	7.8	4	91	321	539	1153	993	482	127	22	4	0	1
24H(0-24)	4282	47.5	39.1	8.1	6	95	340	577	1223	1160	619	198	48	13	1	2
AM Peak	07:00	03:00	03:00	00:00	08:00	08:00	08:00	07:00	07:00	07:00	06:00	09:00	05:00	03:00	00:00	00:00
	438	59.6	50.3	10.1	2	21	61	61	155	135	44	14	4	1	0	0
PM Peak	17:00	23:00	21:00	23:00	17:00	17:00	17:00	13:00	16:00	15:00	17:00	16:00	21:00	18:00	23:00	18:00
	402	61.8	46.8	15.3	1	12	60	61	112	123	75	22	7	2	1	1

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	5	49.8	42.5	7.1	0	0	0	0	3	0	1	1	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	3	45.2	39.2	5.8	0	0	0	1	0	2	0	0	0	0	0	0
03:00	7	49.9	41.8	7.9	0	0	0	2	1	1	2	1	0	0	0	0
04:00	19	55.5	45.0	10.2	0	0	0	3	3	4	5	2	1	0	1	0
05:00	89	51.1	43.1	7.7	0	0	2	10	21	22	14	16	3	1	0	0
06:00	225	50.2	42.1	7.8	0	0	7	39	44	57	41	25	11	1	0	0
07:00	431	46.7	38.8	7.6	0	5	32	91	112	111	52	23	3	2	0	0
08:00	421	44.4	37.1	7.0	0	7	40	98	133	104	29	7	2	1	0	0
09:00	332	44.1	37.0	6.9	0	4	33	81	114	64	27	8	1	0	0	0
10:00	311	43.6	36.3	7.0	0	3	43	79	96	66	15	7	2	0	0	0
11:00	272	44.3	36.1	7.9	0	5	47	61	79	50	21	5	4	0	0	0
12:00	320	44.6	36.5	7.8	0	9	38	84	81	71	27	8	2	0	0	0
13:00	281	44.7	36.7	7.7	0	7	30	84	65	58	27	9	1	0	0	0
14:00	338	43.2	35.9	7.1	0	6	43	92	113	59	18	5	1	1	0	0
15:00	388	44.5	37.5	6.8	0	4	33	86	132	95	25	10	3	0	0	0
16:00	477	44.7	38.2	6.2	0	3	33	88	159	143	42	8	1	0	0	0
17:00	433	46.7	38.9	7.5	0	6	28	77	132	122	41	22	2	2	1	0
18:00	217	49.7	40.9	8.5	0	3	16	23	49	64	39	17	3	2	1	0
19:00	156	51.8	42.6	8.9	0	4	4	18	28	40	32	21	7	2	0	0
20:00	82	51.0	42.3	8.3	0	1	4	12	10	20	21	12	2	0	0	0
21:00	63	56.1	44.2	11.4	0	1	4	4	14	14	9	8	4	3	2	0
22:00	19	54.0	43.2	10.5	0	0	2	3	1	4	5	2	1	1	0	0
23:00	16	52.9	41.3	11.3	0	0	3	1	2	6	1	1	1	1	0	0
Total																
2H(10-12)	583	43.9	36.2	7.4	0	8	90	140	175	116	36	12	6	0	0	0
2H(14-16)	726	44.0	36.8	6.9	0	10	76	178	245	154	43	15	4	1	0	0
12H(7-19)	4221	45.2	37.5	7.4	0	62	416	944	1265	1007	363	129	25	8	2	0
24H(0-24)	4905	46.3	38.2	7.8	0	68	442	1037	1392	1177	494	218	55	17	5	0
AM Peak	07:00	04:00	04:00	04:00	00:00	08:00	11:00	08:00	08:00	07:00	07:00	06:00	06:00	07:00	04:00	00:00
	431	55.5	45.0	10.2	0	7	47	98	133	111	52	25	11	2	1	0
PM Peak	16:00	21:00	21:00	21:00	12:00	12:00	14:00	14:00	16:00	16:00	16:00	17:00	19:00	21:00	21:00	12:00
	477	56.1	44.2	11.4	0	9	43	92	159	143	42	22	7	3	2	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80	
00:00	10	51.3	42.8	8.2	0	0	1	0	3	0	5	1	0	0	0	0	
01:00	4	56.7	50.0	6.5	0	0	0	0	0	1	1	1	1	0	0	0	
02:00	7	46.4	41.8	4.5	0	0	0	1	0	5	1	0	0	0	0	0	
03:00	15	56.0	46.3	9.3	0	0	0	3	1	1	4	5	0	1	0	0	
04:00	26	56.4	46.2	9.9	0	0	0	3	4	6	5	5	1	1	1	0	
05:00	142	52.2	43.8	8.1	0	1	3	12	32	30	30	25	7	2	0	0	
06:00	367	50.2	42.3	7.6	0	2	13	49	60	108	85	34	15	1	0	0	
07:00	869	45.9	38.6	7.1	0	10	66	152	267	246	92	30	4	2	0	0	
08:00	821	44.9	36.7	7.9	2	28	101	152	236	217	70	12	2	1	0	0	
09:00	582	45.5	38.0	7.2	0	12	40	114	194	140	57	22	3	0	0	0	
10:00	568	44.5	36.3	7.9	1	20	71	119	170	132	40	12	3	0	0	0	
11:00	535	44.3	36.5	7.5	0	14	69	99	200	101	38	9	5	0	0	0	
12:00	568	45.0	37.4	7.4	0	11	52	134	170	131	48	18	4	0	0	0	
13:00	563	44.8	37.2	7.3	0	11	51	145	158	124	56	17	1	0	0	0	
14:00	607	44.4	36.8	7.4	0	13	66	140	199	126	49	9	3	2	0	0	
15:00	735	45.6	38.6	6.7	0	6	54	125	235	218	70	21	6	0	0	0	
16:00	870	45.8	38.9	6.7	0	6	60	145	271	252	102	30	4	0	0	0	
17:00	835	47.2	38.6	8.3	1	18	88	125	230	205	116	42	6	3	1	0	
18:00	405	50.7	42.3	8.1	0	4	19	33	88	108	107	34	6	4	1	1	
19:00	286	51.3	42.5	8.5	1	5	8	33	46	84	62	34	10	3	0	0	
20:00	161	51.6	43.5	7.8	0	1	6	15	21	49	36	26	6	1	0	0	
21:00	123	55.9	45.5	10.0	0	1	6	6	19	30	23	20	11	5	2	0	
22:00	52	54.0	43.3	10.4	1	0	3	6	4	16	11	7	1	3	0	0	
23:00	36	58.0	43.9	13.7	0	0	5	3	7	7	5	2	4	1	1	1	
Total																	
	2H(10-12)	1103	44.4	36.4	7.7	1	34	140	218	370	233	78	21	8	0	0	0
	2H(14-16)	1342	45.1	37.8	7.1	0	19	120	265	434	344	119	30	9	2	0	0
	12H(7-19)	7958	45.8	37.9	7.6	4	153	737	1483	2418	2000	845	256	47	12	2	1
24H(0-24)	9187	46.9	38.7	7.9	6	163	782	1614	2615	2337	1113	416	103	30	6	2	
AM Peak	07:00	01:00	01:00	04:00	08:00	08:00	08:00	07:00	07:00	07:00	07:00	06:00	06:00	05:00	04:00	00:00	
	869	56.7	50.0	9.9	2	28	101	152	267	246	92	34	15	2	1	0	
PM Peak	16:00	23:00	21:00	23:00	17:00	17:00	17:00	13:00	16:00	16:00	17:00	17:00	21:00	21:00	21:00	18:00	
	870	58.0	45.5	13.7	1	18	88	145	271	252	116	42	11	5	2	1	

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

07/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	5	47.4	38.0	9.1	0	0	1	1	0	2	1	0	0	0	0	0
01:00	3	53.8	50.8	2.9	0	0	0	0	0	0	1	2	0	0	0	0
02:00	5	44.2	38.5	5.5	0	0	0	1	3	0	1	0	0	0	0	0
03:00	5	52.3	49.5	2.7	0	0	0	0	0	0	3	2	0	0	0	0
04:00	5	48.8	42.5	6.1	0	0	0	0	2	2	0	1	0	0	0	0
05:00	43	57.1	47.5	9.2	0	0	1	4	3	8	9	10	5	3	0	0
06:00	168	50.4	41.3	8.8	0	6	10	10	32	55	36	14	4	1	0	0
07:00	481	46.1	38.0	7.7	1	10	48	91	106	153	56	15	1	0	0	0
08:00	356	46.2	38.3	7.6	0	9	35	47	95	115	50	3	1	1	0	0
09:00	265	45.5	37.6	7.6	0	4	34	42	84	65	26	7	3	0	0	0
10:00	272	44.9	37.3	7.4	1	4	21	63	99	58	19	3	2	1	1	0
11:00	295	45.5	37.5	7.7	0	7	34	52	78	91	22	10	1	0	0	0
12:00	250	45.7	37.6	7.8	1	5	26	40	81	67	23	5	0	2	0	0
13:00	251	46.5	39.0	7.2	0	3	20	35	79	73	25	15	1	0	0	0
14:00	300	45.8	39.4	6.2	0	2	12	45	100	100	26	14	1	0	0	0
15:00	309	45.5	38.8	6.4	0	1	20	49	106	91	35	4	2	1	0	0
16:00	365	47.3	40.1	7.0	0	8	14	35	109	126	56	15	1	1	0	0
17:00	402	48.1	39.5	8.3	0	12	30	46	104	124	61	20	2	2	1	0
18:00	243	51.5	43.6	7.6	0	1	4	24	48	65	53	34	11	3	0	0
19:00	126	54.6	44.9	9.3	0	4	2	9	15	29	27	26	13	1	0	0
20:00	96	53.6	45.6	7.7	0	0	1	8	9	28	26	15	7	1	1	0
21:00	46	55.0	44.8	9.8	0	0	2	4	10	9	7	7	4	3	0	0
22:00	39	51.5	44.4	6.8	0	0	0	3	8	9	13	2	4	0	0	0
23:00	26	54.2	43.8	10.0	0	1	0	4	3	5	5	7	0	1	0	0
Total 2H(10-12) 2H(14-16) 12H(7-19) 24H(0-24)	567	45.2	37.4	7.5	1	11	55	115	177	149	41	13	3	1	1	0
	609	45.7	39.1	6.3	0	3	32	94	206	191	61	18	3	1	0	0
	3789	46.7	38.8	7.6	3	66	298	569	1089	1128	452	145	26	11	2	0
	4356	47.8	39.5	8.0	3	77	315	613	1174	1275	581	231	63	21	3	0
AM Peak	07:00 481	05:00 57.1	01:00 50.8	05:00 9.2	07:00 1	07:00 10	07:00 48	07:00 91	07:00 106	07:00 153	07:00 56	07:00 15	05:00 5	05:00 3	10:00 1	00:00 0
PM Peak	17:00 402	21:00 55.0	20:00 45.6	23:00 10.0	12:00 1	17:00 12	17:00 30	15:00 49	16:00 109	16:00 126	17:00 61	18:00 34	19:00 13	18:00 3	17:00 1	12:00 0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	8	49.1	44.4	4.6	0	0	0	0	1	4	2	1	0	0	0	0
01:00	4	56.7	52.5	4.1	0	0	0	0	0	0	1	2	1	0	0	0
02:00	5	43.7	36.0	7.4	0	0	1	1	1	2	0	0	0	0	0	0
03:00	3	46.9	35.0	11.5	0	0	1	1	0	0	1	0	0	0	0	0
04:00	34	49.9	42.0	7.7	0	0	3	1	7	12	8	1	2	0	0	0
05:00	85	51.1	44.2	6.6	0	0	1	6	13	27	23	10	5	0	0	0
06:00	219	52.0	42.2	9.5	0	0	13	37	35	65	35	18	10	0	6	0
07:00	446	45.8	38.6	7.0	0	5	29	90	125	136	43	12	6	0	0	0
08:00	449	44.6	37.8	6.5	0	4	27	112	146	108	39	10	3	0	0	0
09:00	311	44.2	36.7	7.2	0	6	32	80	96	65	23	7	2	0	0	0
10:00	241	43.4	35.3	7.8	0	8	41	61	61	49	18	2	1	0	0	0
11:00	275	43.3	35.7	7.3	0	8	38	69	83	59	14	3	1	0	0	0
12:00	264	43.9	36.4	7.2	0	8	22	75	81	56	17	4	0	1	0	0
13:00	275	44.5	36.9	7.4	0	5	31	68	78	64	22	5	1	1	0	0
14:00	326	45.1	38.3	6.6	0	4	19	66	107	89	33	7	0	1	0	0
15:00	414	44.6	37.9	6.5	0	1	34	93	134	107	33	8	4	0	0	0
16:00	464	46.3	39.0	7.1	0	6	33	70	141	137	61	10	5	1	0	0
17:00	417	46.2	38.8	7.2	0	6	27	77	112	133	45	12	4	1	0	0
18:00	212	49.5	40.7	8.5	0	2	18	28	40	64	38	17	2	2	1	0
19:00	177	50.1	41.6	8.2	0	0	13	20	37	52	32	14	6	3	0	0
20:00	119	52.2	42.7	9.1	0	1	7	13	21	29	27	14	4	2	1	0
21:00	43	51.3	41.6	9.4	0	1	3	6	7	10	7	7	2	0	0	0
22:00	40	50.6	43.4	6.9	0	0	1	2	10	11	8	7	1	0	0	0
23:00	12	47.2	40.4	6.6	0	0	0	3	3	3	2	1	0	0	0	0
Total 2H(10-12)	516	43.4	35.5	7.6	0	16	79	130	144	108	32	5	2	0	0	0
12H(14-16)	740	44.8	38.0	6.6	0	5	53	159	241	196	66	15	4	1	0	0
12H(7-19)	4094	45.3	37.8	7.2	0	63	351	889	1204	1067	386	97	29	7	1	0
24H(0-24)	4843	46.4	38.5	7.6	0	65	394	979	1339	1282	532	172	60	12	8	0
AM Peak	08:00 449	01:00 56.7	01:00 52.5	03:00 11.5	00:00 0	10:00 8	10:00 41	08:00 112	08:00 146	07:00 136	07:00 43	06:00 18	06:00 10	00:00 0	06:00 6	00:00 0
PM Peak	16:00 464	20:00 52.2	22:00 43.4	21:00 9.4	12:00 0	12:00 8	15:00 34	15:00 93	16:00 141	16:00 137	16:00 61	18:00 17	19:00 6	19:00 3	18:00 1	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	13	49.3	41.9	7.1	0	0	1	1	1	6	3	1	0	0	0	0
01:00	7	55.4	51.8	3.5	0	0	0	0	0	0	2	4	1	0	0	0
02:00	10	43.8	37.3	6.3	0	0	1	2	4	2	1	0	0	0	0	0
03:00	8	54.3	44.1	9.9	0	0	1	1	0	0	4	2	0	0	0	0
04:00	39	49.7	42.1	7.4	0	0	3	1	9	14	8	2	2	0	0	0
05:00	128	53.3	45.3	7.7	0	0	2	10	16	35	32	20	10	3	0	0
06:00	387	51.3	41.8	9.2	0	6	23	47	67	120	71	32	14	1	6	0
07:00	927	46.0	38.3	7.4	1	15	77	181	231	289	99	27	7	0	0	0
08:00	805	45.3	38.1	7.0	0	13	62	159	241	223	89	13	4	1	0	0
09:00	576	44.8	37.1	7.4	0	10	66	122	180	130	49	14	5	0	0	0
10:00	513	44.3	36.4	7.6	1	12	62	124	160	107	37	5	3	1	1	0
11:00	570	44.5	36.6	7.6	0	15	72	121	161	150	36	13	2	0	0	0
12:00	514	44.8	37.0	7.5	1	13	48	115	162	123	40	9	0	3	0	0
13:00	526	45.5	37.9	7.4	0	8	51	103	157	137	47	20	2	1	0	0
14:00	626	45.5	38.8	6.5	0	6	31	111	207	189	59	21	1	1	0	0
15:00	723	45.0	38.3	6.5	0	2	54	142	240	198	68	12	6	1	0	0
16:00	829	46.8	39.4	7.1	0	14	47	105	250	263	117	25	6	2	0	0
17:00	819	47.2	39.1	7.8	0	18	57	123	216	257	106	32	6	3	1	0
18:00	455	50.7	42.2	8.2	0	3	22	52	88	129	91	51	13	5	1	0
19:00	303	52.1	43.0	8.8	0	4	15	29	52	81	59	40	19	4	0	0
20:00	215	52.9	44.0	8.6	0	1	8	21	30	57	53	29	11	3	2	0
21:00	89	53.3	43.3	9.7	0	1	5	10	17	19	14	14	6	3	0	0
22:00	79	51.0	43.9	6.8	0	0	1	5	18	20	21	9	5	0	0	0
23:00	38	52.2	42.8	9.1	0	1	0	7	6	8	7	8	0	1	0	0
Total 2H(10-12)	1083	44.4	36.5	7.6	1	27	134	245	321	257	73	18	5	1	0	0
2H(14-16)	1349	45.2	38.5	6.5	0	8	85	253	447	387	127	33	7	2	1	0
12H(7-19)	7883	46.0	38.3	7.4	3	129	649	1458	2293	2195	838	242	55	18	3	0
24H(0-24)	9199	47.1	39.0	7.8	3	142	709	1592	2513	2557	1113	403	123	33	11	0
AM Peak	07:00 927	01:00 55.4	01:00 51.8	03:00 9.9	07:00 1	07:00 15	07:00 77	07:00 181	08:00 241	07:00 289	07:00 99	06:00 32	06:00 14	05:00 3	06:00 6	00:00 0
PM Peak	16:00 829	21:00 53.3	20:00 44.0	21:00 9.7	12:00 1	17:00 18	17:00 57	15:00 142	16:00 250	16:00 263	16:00 117	18:00 51	19:00 19	18:00 5	20:00 2	12:00 0

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

08/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	61.7	45.7	15.4	0	0	2	0	0	0	2	1	1	1	0	0
01:00	6	52.3	42.5	9.5	0	0	0	2	1	0	1	2	0	0	0	0
02:00	6	54.9	45.8	8.8	0	0	0	1	0	2	1	1	1	0	0	0
03:00	2	72.6	48.8	23.0	0	0	0	1	0	0	0	0	0	1	0	0
04:00	9	51.4	42.2	8.9	0	0	1	1	1	1	4	1	0	0	0	0
05:00	37	57.4	47.9	9.1	0	1	0	0	6	5	8	9	7	1	0	0
06:00	161	51.2	41.8	9.0	0	7	4	10	39	43	37	13	6	2	0	0
07:00	451	45.0	33.3	11.2	20	48	75	61	103	97	34	9	4	0	0	0
08:00	403	46.2	37.2	8.7	1	19	49	51	122	104	42	12	2	1	0	0
09:00	289	44.8	37.2	7.4	0	8	28	61	78	86	23	4	1	0	0	0
10:00	236	44.8	37.3	7.2	0	3	28	46	74	52	29	4	0	0	0	0
11:00	263	45.4	37.1	7.9	0	9	32	42	74	76	22	8	0	0	0	0
12:00	269	44.0	35.4	8.3	1	7	52	56	83	46	15	7	0	2	0	0
13:00	230	46.9	39.9	6.7	0	1	9	40	68	63	37	7	5	0	0	0
14:00	259	47.5	39.9	7.3	0	6	13	20	85	93	20	19	3	0	0	0
15:00	314	46.6	39.2	7.2	0	5	23	35	96	111	29	11	3	1	0	0
16:00	398	47.9	40.1	7.6	0	12	23	31	100	132	86	14	0	0	0	0
17:00	393	48.3	40.5	7.5	0	8	26	26	96	138	74	22	3	0	0	0
18:00	233	51.1	43.1	7.7	0	0	11	15	50	65	53	28	7	4	0	0
19:00	153	50.7	44.2	6.3	0	0	0	10	29	49	35	26	3	1	0	0
20:00	72	55.9	45.9	9.6	0	0	1	4	12	23	11	15	1	3	1	1
21:00	72	55.6	45.7	9.5	0	0	1	8	11	21	8	10	7	6	0	0
22:00	33	54.1	42.8	10.9	0	1	2	5	5	5	5	7	2	1	0	0
23:00	18	49.8	42.8	6.7	0	0	0	1	7	4	3	2	1	0	0	0
Total																
2H(10-12)	499	45.1	37.2	7.6	0	12	60	88	148	128	51	12	0	0	0	0
2H(14-16)	573	47.0	39.5	7.3	0	11	36	55	181	204	49	30	6	1	0	0
12H(7-19)	3738	47.0	38.1	8.6	22	126	369	484	1029	1063	464	145	28	8	0	0
24H(0-24)	4314	48.1	38.9	8.8	22	135	380	527	1140	1216	579	232	57	24	1	1
AM Peak	07:00	03:00	03:00	03:00	07:00	07:00	07:00	07:00	08:00	08:00	08:00	06:00	05:00	06:00	00:00	00:00
	451	72.6	48.8	23.0	20	48	75	61	122	104	42	13	7	2	0	0
PM Peak	16:00	20:00	20:00	22:00	12:00	16:00	12:00	12:00	16:00	17:00	16:00	18:00	18:00	21:00	20:00	20:00
	398	55.9	45.9	10.9	1	12	52	56	100	138	86	28	7	6	1	1

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	10	52.5	43.8	8.4	0	0	1	0	2	1	4	2	0	0	0	0
01:00	3	47.7	42.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
02:00	1	-	32.5	-	0	0	0	1	0	0	0	0	0	0	0	0
03:00	11	40.3	34.5	5.6	0	0	1	6	3	0	1	0	0	0	0	0
04:00	14	53.5	46.1	7.2	0	0	0	2	0	3	5	3	1	0	0	0
05:00	88	52.4	44.9	7.2	0	1	1	4	9	29	26	13	4	1	0	0
06:00	214	51.4	43.5	7.6	0	0	6	26	33	53	58	28	7	3	0	0
07:00	439	45.5	38.1	7.1	0	6	31	108	106	132	41	11	3	1	0	0
08:00	413	46.0	38.6	7.1	0	6	14	106	117	105	50	11	3	0	0	1
09:00	311	43.4	36.2	7.0	0	8	29	86	109	56	15	6	2	0	0	0
10:00	292	43.8	35.7	7.8	0	8	44	72	95	49	14	7	1	2	0	0
11:00	250	43.6	36.2	7.2	0	5	32	66	68	59	17	2	1	0	0	0
12:00	269	43.5	34.7	8.4	2	9	52	68	71	44	14	6	3	0	0	0
13:00	284	45.1	37.2	7.7	0	5	35	58	81	73	22	7	2	1	0	0
14:00	405	45.3	37.9	7.1	0	8	24	96	117	110	36	10	4	0	0	0
15:00	406	45.1	38.3	6.5	0	1	22	101	129	103	32	13	4	1	0	0
16:00	474	46.2	39.2	6.7	0	2	27	84	142	144	51	18	5	1	0	0
17:00	368	48.4	40.5	7.6	0	2	22	55	77	129	53	24	3	1	2	0
18:00	258	50.2	41.7	8.2	0	3	10	36	52	80	38	29	6	4	0	0
19:00	165	51.6	42.9	8.5	0	3	5	19	24	46	40	17	10	1	0	0
20:00	109	51.8	43.1	8.4	0	0	5	12	19	30	24	14	2	2	1	0
21:00	62	50.5	42.6	7.6	0	0	3	5	8	29	11	2	2	2	0	0
22:00	38	50.8	41.4	9.0	0	0	5	2	8	9	9	4	0	1	0	0
23:00	17	48.0	40.7	7.0	0	0	2	0	3	9	2	1	0	0	0	0
Total																
2H(10-12)	542	43.7	35.9	7.5	0	13	76	138	163	108	31	9	2	2	0	0
2H(14-16)	811	45.2	38.1	6.8	0	9	46	197	246	213	68	23	8	1	0	0
12H(7-19)	4169	45.8	38.0	7.5	2	63	342	936	1164	1084	383	144	37	11	2	1
24H(0-24)	4901	46.9	38.8	7.8	2	67	371	1013	1274	1294	564	228	63	21	3	1
AM Peak	07:00	04:00	04:00	00:00	00:00	09:00	10:00	07:00	08:00	07:00	06:00	06:00	06:00	06:00	00:00	08:00
	439	53.5	46.1	8.4	0	8	44	108	117	132	58	28	7	3	0	1
PM Peak	16:00	20:00	20:00	22:00	12:00	12:00	12:00	15:00	16:00	16:00	17:00	18:00	19:00	18:00	17:00	12:00
	474	51.8	43.1	9.0	2	9	52	101	142	144	53	29	10	4	2	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	17	56.4	44.6	11.4	0	0	3	0	2	1	6	3	1	1	0	0
01:00	9	50.7	42.5	7.9	0	0	0	2	2	1	2	2	0	0	0	0
02:00	7	53.7	43.9	9.4	0	0	0	2	0	2	1	1	1	0	0	0
03:00	13	47.0	36.7	9.9	0	0	1	7	3	0	1	0	0	1	0	0
04:00	23	52.8	44.6	7.9	0	0	1	3	1	4	9	4	1	0	0	0
05:00	125	54.0	45.8	7.9	0	2	1	4	15	34	34	22	11	2	0	0
06:00	375	51.4	42.8	8.3	0	7	10	36	72	96	95	41	13	5	0	0
07:00	890	45.8	35.7	9.7	20	54	106	169	209	229	75	20	7	1	0	0
08:00	816	46.2	37.9	8.0	1	25	63	157	239	209	92	23	5	1	0	1
09:00	600	44.1	36.7	7.2	0	16	57	147	187	142	38	10	3	0	0	0
10:00	528	44.3	36.4	7.6	0	11	72	118	169	101	43	11	1	2	0	0
11:00	513	44.5	36.7	7.6	0	14	64	108	142	135	39	10	1	0	0	0
12:00	538	43.7	35.0	8.4	3	16	104	124	154	90	29	13	3	2	0	0
13:00	514	46.1	38.4	7.4	0	6	44	98	149	136	59	14	7	1	0	0
14:00	664	46.2	38.7	7.2	0	14	37	116	202	203	56	29	7	0	0	0
15:00	720	45.8	38.7	6.8	0	6	45	136	225	214	61	24	7	2	0	0
16:00	872	47.0	39.6	7.1	0	14	50	115	242	276	137	32	5	1	0	0
17:00	761	48.3	40.5	7.6	0	10	48	81	173	267	127	46	6	1	2	0
18:00	491	50.6	42.4	8.0	0	3	21	51	102	145	91	57	13	8	0	0
19:00	318	51.3	43.5	7.5	0	3	5	29	53	95	75	43	13	2	0	0
20:00	181	53.5	44.2	9.0	0	0	6	16	31	53	35	29	3	5	2	1
21:00	134	53.4	44.3	8.8	0	0	4	13	19	50	19	12	9	8	0	0
22:00	71	52.3	42.1	9.9	0	1	7	7	13	14	14	11	2	2	0	0
23:00	35	48.9	41.8	6.8	0	0	2	1	10	13	5	3	1	0	0	0
Total																
2H(10-12)	1041	44.4	36.6	7.6	0	25	136	226	311	236	82	21	2	2	0	0
2H(14-16)	1384	46.0	38.7	7.0	0	20	82	252	427	417	117	53	14	2	0	0
12H(7-19)	7907	46.4	38.1	8.0	24	189	711	1420	2193	2147	847	289	65	19	2	1
24H(0-24)	9215	47.5	38.8	8.3	24	202	751	1540	2414	2510	1143	460	120	45	4	2
AM Peak	07:00 890	00:00 56.4	05:00 45.8	00:00 11.4	07:00 20	07:00 54	07:00 106	07:00 169	08:00 239	07:00 229	06:00 95	06:00 41	06:00 13	06:00 5	00:00 0	08:00 1
PM Peak	16:00 872	20:00 53.5	21:00 44.3	22:00 9.9	12:00 3	12:00 16	12:00 104	15:00 136	16:00 242	16:00 276	16:00 137	18:00 57	18:00 13	18:00 8	17:00 2	20:00 1

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

09/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	60.9	52.1	8.5	0	0	0	0	0	2	1	1	2	1	0	0
01:00	5	58.7	48.0	10.4	0	0	0	0	1	1	2	0	0	1	0	0
02:00	2	61.0	50.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
03:00	3	56.5	47.5	8.7	0	0	0	0	0	2	0	0	1	0	0	0
04:00	7	55.4	50.4	4.9	0	0	0	0	0	1	2	3	1	0	0	0
05:00	41	53.5	46.5	6.8	0	0	1	0	4	14	8	10	4	0	0	0
06:00	148	53.6	45.6	7.7	0	2	4	1	12	50	44	25	6	4	0	0
07:00	448	47.3	40.8	6.3	0	3	13	42	137	161	64	20	8	0	0	0
08:00	340	47.6	37.0	10.2	6	23	44	25	83	99	41	17	2	0	0	0
09:00	242	45.5	37.9	7.3	0	7	14	47	82	59	25	7	1	0	0	0
10:00	281	45.7	38.4	7.0	0	4	23	37	109	66	31	9	2	0	0	0
11:00	259	47.9	39.5	8.1	1	1	27	35	62	77	38	10	7	1	0	0
12:00	271	46.6	39.3	7.0	0	1	25	31	87	72	42	12	1	0	0	0
13:00	286	45.9	35.9	9.6	0	18	53	41	72	60	27	10	4	1	0	0
14:00	307	46.3	37.7	8.3	1	7	42	40	85	82	39	8	3	0	0	0
15:00	359	46.3	38.5	7.6	0	6	39	43	110	105	38	16	2	0	0	0
16:00	338	46.4	39.1	7.0	0	3	30	35	121	78	60	11	0	0	0	0
17:00	324	49.5	42.3	7.0	0	0	11	36	62	109	70	24	10	2	0	0
18:00	218	52.6	44.9	7.4	0	1	5	13	29	53	66	39	10	2	0	0
19:00	133	51.3	44.8	6.2	0	0	2	5	20	38	43	22	2	1	0	0
20:00	67	53.1	44.9	8.0	0	0	1	2	18	15	16	8	4	3	0	0
21:00	68	52.9	44.4	8.1	0	1	0	10	6	15	19	12	5	0	0	0
22:00	36	54.9	46.5	8.2	0	0	0	2	5	9	12	3	2	3	0	0
23:00	22	52.4	42.4	9.7	0	0	2	3	3	6	3	4	0	1	0	0
Total																
2H(10-12)	540	46.8	38.9	7.6	1	5	50	72	171	143	69	19	9	1	0	0
2H(14-16)	666	46.3	38.1	7.9	1	13	81	83	195	187	77	24	5	0	0	0
12H(7-19)	3673	47.6	39.2	8.1	8	74	326	425	1039	1021	541	183	50	6	0	0
24H(0-24)	4212	48.6	40.0	8.3	8	77	336	448	1108	1175	691	271	78	20	0	0
AM Peak	07:00 448	02:00 61.0	00:00 52.1	02:00 10.6	08:00 6	08:00 23	08:00 44	09:00 47	07:00 137	07:00 161	07:00 64	06:00 25	07:00 8	06:00 4	00:00 0	00:00 0
PM Peak	15:00 359	22:00 54.9	22:00 46.5	23:00 9.7	14:00 1	13:00 18	13:00 53	15:00 43	16:00 121	17:00 109	17:00 70	18:00 39	17:00 10	20:00 3	12:00 0	12:00 0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	8	46.4	42.5	3.8	0	0	0	0	2	4	2	0	0	0	0	0
01:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	2	54.8	47.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
03:00	7	48.9	43.9	4.8	0	0	0	0	1	4	1	1	0	0	0	0
04:00	29	52.5	42.4	9.8	0	0	2	7	2	4	10	1	2	1	0	0
05:00	90	53.2	44.6	8.4	0	0	4	8	13	18	23	18	4	2	0	0
06:00	198	51.2	43.5	7.5	0	1	4	19	35	54	52	23	8	2	0	0
07:00	392	48.1	40.6	7.2	0	2	11	82	93	89	80	28	7	0	0	0
08:00	432	45.7	38.6	6.9	0	4	32	75	136	119	51	12	3	0	0	0
09:00	316	44.6	37.0	7.3	0	4	33	83	92	69	26	4	4	1	0	0
10:00	255	45.9	37.5	8.1	1	6	24	55	74	64	16	11	3	1	0	0
11:00	308	46.0	38.1	7.7	0	6	29	65	70	89	39	9	0	1	0	0
12:00	319	44.5	36.9	7.4	0	7	38	62	103	81	19	7	2	0	0	0
13:00	342	46.4	37.7	8.4	0	8	37	70	98	72	41	11	3	1	0	1
14:00	356	45.3	37.3	7.6	0	11	33	67	115	85	33	11	1	0	0	0
15:00	426	45.6	37.5	7.8	1	16	29	76	142	113	35	11	2	1	0	0
16:00	503	46.0	39.0	6.7	0	3	28	99	146	147	57	18	5	0	0	0
17:00	374	48.3	40.7	7.4	0	3	18	46	102	114	60	22	6	3	0	0
18:00	237	49.5	41.5	7.8	0	1	17	26	42	76	47	23	4	1	0	0
19:00	121	52.4	42.7	9.4	0	0	5	14	32	31	20	8	6	2	3	0
20:00	99	51.6	42.6	8.7	0	0	8	6	23	27	17	10	6	2	0	0
21:00	70	49.3	41.8	7.2	0	0	2	10	20	12	16	9	1	0	0	0
22:00	33	55.7	44.5	10.8	0	1	1	1	9	5	8	3	2	3	0	0
23:00	19	52.8	41.8	10.6	0	1	1	1	3	7	3	2	0	1	0	0
Total 2H(10-12)	563	45.9	37.8	7.9	1	12	53	120	144	153	55	20	3	2	0	0
2H(14-16)	782	45.4	37.4	7.7	1	27	62	143	257	198	68	22	3	1	0	0
12H(7-19)	4260	46.4	38.5	7.6	2	71	329	806	1213	1118	504	167	40	9	0	1
24H(0-24)	4938	47.3	39.2	7.9	2	74	356	872	1353	1286	657	243	69	22	3	1
AM Peak	08:00 432	02:00 54.8	02:00 47.5	04:00 9.8	10:00 1	10:00 6	09:00 33	09:00 83	08:00 136	08:00 119	07:00 80	07:00 28	06:00 8	05:00 2	00:00 0	00:00 0
PM Peak	16:00 503	22:00 55.7	22:00 44.5	22:00 10.8	15:00 1	15:00 16	12:00 38	16:00 99	16:00 146	16:00 147	17:00 60	18:00 23	17:00 6	17:00 3	19:00 3	13:00 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<70	Bin 11 70<80	Bin 12 >=80
00:00	15	55.2	47.0	7.9	0	0	0	0	2	6	3	1	2	1	0	0
01:00	7	56.2	47.1	8.7	0	0	0	0	1	2	3	0	0	1	0	0
02:00	4	56.5	48.8	7.5	0	0	0	0	0	2	0	1	1	0	0	0
03:00	10	51.1	45.0	5.9	0	0	0	0	1	6	1	1	1	0	0	0
04:00	36	53.8	44.0	9.5	0	0	2	7	2	5	12	4	3	1	0	0
05:00	131	53.4	45.2	8.0	0	0	5	8	17	32	31	28	8	2	0	0
06:00	346	52.3	44.4	7.6	0	3	8	20	47	104	96	48	14	6	0	0
07:00	840	47.7	40.7	6.8	0	5	24	124	230	250	144	48	15	0	0	0
08:00	772	46.8	37.9	8.5	6	27	76	100	219	218	92	29	5	0	0	0
09:00	558	45.0	37.4	7.3	0	11	47	130	174	128	51	11	5	1	0	0
10:00	536	45.8	38.0	7.6	1	10	47	92	183	130	47	20	5	1	0	0
11:00	567	46.9	38.7	7.9	1	7	56	100	132	166	77	19	7	2	0	0
12:00	590	45.6	38.0	7.3	0	8	63	93	190	153	61	19	3	0	0	0
13:00	628	46.3	36.9	9.0	0	26	90	111	170	132	68	21	7	2	0	1
14:00	663	45.7	37.5	7.9	1	18	75	107	200	167	72	19	4	0	0	0
15:00	785	46.0	38.0	7.7	1	22	68	119	252	218	73	27	4	1	0	0
16:00	841	46.1	39.0	6.8	0	6	58	134	267	225	117	29	5	0	0	0
17:00	698	48.9	41.4	7.2	0	3	29	82	164	223	130	46	16	5	0	0
18:00	455	51.2	43.1	7.8	0	2	22	39	71	129	113	62	14	3	0	0
19:00	254	52.0	43.8	7.9	0	0	7	19	52	69	63	30	8	3	3	0
20:00	166	52.3	43.5	8.5	0	0	9	8	41	42	33	18	10	5	0	0
21:00	138	51.2	43.1	7.8	0	1	2	20	26	27	35	21	6	0	0	0
22:00	69	55.4	45.5	9.5	0	1	1	3	14	14	20	6	4	6	0	0
23:00	41	52.5	42.1	10.0	0	1	3	4	6	13	6	6	0	2	0	0
Total 2H(10-12)	1103	46.4	38.4	7.7	2	17	103	192	315	296	124	39	12	3	0	0
2H(14-16)	1448	45.9	37.8	7.8	2	40	143	226	452	385	145	46	8	1	0	0
12H(7-19)	7933	47.0	38.9	7.8	10	145	655	1231	2252	2139	1045	350	90	15	0	1
24H(0-24)	9150	47.9	39.6	8.1	10	151	692	1320	2461	2461	1348	514	147	42	3	1
AM Peak	07:00 840	02:00 56.5	02:00 48.8	04:00 9.5	08:00 6	08:00 27	08:00 76	09:00 130	07:00 230	07:00 250	07:00 144	06:00 48	07:00 15	06:00 6	00:00 0	00:00 0
PM Peak	16:00 841	22:00 55.4	22:00 45.5	23:00 10.0	14:00 1	13:00 26	13:00 90	16:00 134	16:00 267	16:00 225	17:00 130	18:00 62	17:00 16	22:00 6	19:00 3	13:00 1

Paul Castle Associates

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

10/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	14	57.3	45.5	11.3	0	0	1	1	1	6	1	1	1	2	0	0
01:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
02:00	7	56.6	47.9	8.5	0	0	0	0	0	4	1	1	0	1	0	0
03:00	2	54.8	47.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
04:00	5	50.4	44.5	5.7	0	0	0	0	1	2	1	1	0	0	0	0
05:00	14	58.7	50.5	7.9	0	0	0	0	1	3	3	2	4	1	0	0
06:00	55	50.4	44.7	5.5	0	0	0	0	12	19	14	8	2	0	0	0
07:00	155	48.7	41.3	7.2	0	1	6	16	39	55	24	8	5	1	0	0
08:00	179	50.1	42.4	7.5	0	1	5	21	39	49	36	21	7	0	0	0
09:00	216	47.3	39.4	7.6	0	4	17	24	62	69	25	13	2	0	0	0
10:00	299	46.6	40.0	6.3	0	1	13	35	97	100	41	8	3	1	0	0
11:00	310	47.1	40.2	6.6	0	1	14	46	80	105	48	12	3	1	0	0
12:00	315	47.1	40.2	6.6	1	0	9	46	111	75	53	14	6	0	0	0
13:00	274	47.0	40.1	6.7	1	0	12	39	78	92	37	11	3	1	0	0
14:00	224	47.9	41.2	6.5	0	0	7	22	68	76	32	13	5	1	0	0
15:00	188	47.4	40.1	7.0	1	0	6	35	51	48	36	10	0	1	0	0
16:00	169	51.2	43.0	7.9	0	1	7	12	33	53	33	21	7	2	0	0
17:00	175	52.0	45.2	6.6	0	1	1	3	29	53	50	31	4	3	0	0
18:00	145	51.4	44.2	6.9	0	0	5	7	20	45	43	19	5	1	0	0
19:00	119	51.6	44.5	6.9	0	0	0	3	29	42	21	14	7	3	0	0
20:00	73	57.6	47.4	9.8	0	1	1	1	6	21	19	16	4	1	2	1
21:00	56	51.5	42.8	8.4	0	0	1	13	7	12	11	7	5	0	0	0
22:00	42	55.8	45.4	10.1	0	0	0	4	11	8	7	5	6	0	0	1
23:00	24	54.0	43.9	9.8	0	0	0	5	6	4	1	4	3	1	0	0
Total																
2H(10-12)	609	46.8	40.1	6.5	0	2	27	81	177	205	89	20	6	2	0	0
2H(14-16)	412	47.7	40.7	6.7	1	0	13	57	119	124	68	23	5	2	0	0
12H(7-19)	2649	48.5	41.1	7.1	3	10	102	306	707	820	458	181	50	12	0	0
24H(0-24)	3061	49.3	41.7	7.4	3	11	105	333	781	942	538	241	82	21	2	2
AM Peak	11:00	05:00	05:00	00:00	00:00	09:00	09:00	11:00	10:00	11:00	11:00	08:00	08:00	00:00	00:00	00:00
	310	58.7	50.5	11.3	0	4	17	46	97	105	48	21	7	2	0	0
PM Peak	12:00	20:00	20:00	22:00	12:00	16:00	13:00	12:00	12:00	13:00	12:00	17:00	16:00	17:00	20:00	20:00
	315	57.6	47.4	10.1	1	1	12	46	111	92	53	31	7	3	2	1

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	12	53.4	44.2	8.9	0	0	0	1	4	3	1	0	3	0	0	0
01:00	5	61.3	53.0	8.0	0	0	0	0	0	1	0	3	0	1	0	0
02:00	6	49.8	38.3	11.0	0	0	2	0	0	3	0	1	0	0	0	0
03:00	7	51.8	41.4	10.0	0	0	1	0	3	0	1	2	0	0	0	0
04:00	9	53.2	45.8	7.1	0	0	0	1	1	1	3	3	0	0	0	0
05:00	34	54.0	45.2	8.5	0	0	1	3	3	9	12	2	2	2	0	0
06:00	73	51.4	42.1	9.0	0	1	3	10	16	20	9	7	6	1	0	0
07:00	130	50.2	40.7	9.2	0	5	7	19	16	42	30	8	2	0	1	0
08:00	205	48.9	40.6	8.0	0	2	7	36	47	69	28	8	3	4	1	0
09:00	256	48.3	40.0	8.0	0	6	19	23	66	86	36	15	4	1	0	0
10:00	285	49.5	41.1	8.1	0	7	10	29	74	77	61	20	4	3	0	0
11:00	265	48.5	40.2	8.0	0	7	13	32	58	96	44	8	4	3	0	0
12:00	306	48.1	36.8	10.9	0	33	30	43	70	72	33	18	4	2	1	0
13:00	287	46.5	34.7	11.4	5	43	26	39	67	66	28	9	3	1	0	0
14:00	351	46.0	33.4	12.1	4	78	25	40	76	83	34	6	3	2	0	0
15:00	363	45.5	33.0	12.1	4	87	18	54	79	72	39	7	2	1	0	0
16:00	337	48.3	37.7	10.2	3	34	15	32	82	112	41	13	4	1	0	0
17:00	304	47.2	39.4	7.5	0	5	19	34	103	92	37	7	3	4	0	0
18:00	143	50.9	41.1	9.5	2	3	9	14	22	49	25	15	3	0	1	0
19:00	89	51.1	42.6	8.3	0	1	3	9	15	29	23	5	2	1	1	0
20:00	87	53.1	41.8	10.9	0	1	7	12	20	20	14	4	5	2	1	1
21:00	62	50.7	41.8	8.7	0	1	1	6	19	19	10	2	2	1	1	0
22:00	54	53.0	43.9	8.7	0	0	2	5	12	14	5	10	5	1	0	0
23:00	28	49.2	42.3	6.6	0	0	0	3	10	5	5	5	0	0	0	0
Total																
2H(10-12)	550	49.0	40.7	8.0	0	14	23	61	132	173	105	28	8	6	0	0
2H(14-16)	714	45.8	33.2	12.1	8	165	43	94	155	155	73	13	5	3	0	0
12H(7-19)	3232	48.4	37.7	10.4	18	310	198	395	760	916	436	134	39	22	4	0
24H(0-24)	3698	49.0	38.3	10.4	18	314	218	445	863	1040	519	178	64	31	7	1
AM Peak	10:00	01:00	01:00	02:00	00:00	10:00	09:00	08:00	10:00	11:00	10:00	10:00	06:00	08:00	07:00	00:00
	285	61.3	53.0	11.0	0	7	19	36	74	96	61	20	6	4	1	0
PM Peak	15:00	20:00	22:00	14:00	13:00	15:00	12:00	15:00	17:00	16:00	16:00	12:00	20:00	17:00	12:00	20:00
	363	53.1	43.9	12.1	5	87	30	54	103	112	41	18	5	4	1	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	26	55.4	44.9	10.1	0	0	1	2	5	9	2	1	4	2	0	0
01:00	6	59.8	52.1	7.5	0	0	0	0	0	1	1	3	0	1	0	0
02:00	13	54.4	43.5	10.5	0	0	2	0	0	7	1	2	0	1	0	0
03:00	9	52.5	42.8	9.4	0	0	1	0	3	1	1	3	0	0	0	0
04:00	14	52.0	45.4	6.4	0	0	0	1	2	3	4	4	0	0	0	0
05:00	48	55.7	46.8	8.6	0	0	1	3	4	12	15	4	6	3	0	0
06:00	128	51.3	43.2	7.8	0	1	3	10	28	39	23	15	8	1	0	0
07:00	285	49.4	41.0	8.1	0	6	13	35	55	97	54	16	7	1	1	0
08:00	384	49.5	41.4	7.8	0	3	12	57	86	118	64	29	10	4	1	0
09:00	472	47.8	39.7	7.8	0	10	36	47	128	155	61	28	6	1	0	0
10:00	584	48.1	40.6	7.2	0	8	23	64	171	177	102	28	7	4	0	0
11:00	575	47.8	40.2	7.3	0	8	27	78	138	201	92	20	7	4	0	0
12:00	621	48.0	38.6	9.1	1	33	39	89	181	147	86	32	10	2	1	0
13:00	561	47.5	37.3	9.8	6	43	38	78	145	158	65	20	6	2	0	0
14:00	575	47.8	36.5	11.0	4	78	32	62	144	159	66	19	8	3	0	0
15:00	551	47.0	35.4	11.2	5	87	24	89	130	120	75	17	2	2	0	0
16:00	506	49.7	39.5	9.8	3	35	22	44	115	165	74	34	11	3	0	0
17:00	479	49.5	41.5	7.7	0	6	20	37	132	145	87	38	7	7	0	0
18:00	288	51.4	42.6	8.5	2	3	14	21	42	94	68	34	8	1	1	0
19:00	208	51.5	43.7	7.5	0	1	3	12	44	71	44	19	9	4	1	0
20:00	160	55.5	44.3	10.8	0	2	8	13	26	41	33	20	9	3	3	2
21:00	118	51.1	42.3	8.5	0	1	2	19	26	31	21	9	7	1	1	0
22:00	96	54.2	44.6	9.3	0	0	2	9	23	22	12	15	11	1	0	1
23:00	52	51.5	43.0	8.2	0	0	0	8	16	9	6	9	3	1	0	0
Total																
2H(10-12)	1159	47.9	40.4	7.3	0	16	50	142	309	378	194	48	14	8	0	0
2H(14-16)	1126	47.4	35.9	11.1	9	165	56	151	274	279	141	36	10	5	0	0
12H(7-19)	5881	48.8	39.2	9.2	21	320	300	701	1467	1736	894	315	89	34	4	0
24H(0-24)	6759	49.5	39.8	9.3	21	325	323	778	1644	1982	1057	419	146	52	9	3
AM Peak	10:00 584	01:00 59.8	01:00 52.1	02:00 10.5	00:00 0	09:00 10	09:00 36	11:00 78	10:00 171	11:00 201	10:00 102	08:00 29	08:00 10	08:00 4	07:00 1	00:00 0
PM Peak	12:00 621	20:00 55.5	22:00 44.6	15:00 11.2	13:00 6	15:00 87	12:00 39	12:00 89	12:00 181	16:00 165	17:00 87	17:00 38	16:00 11	17:00 7	20:00 3	20:00 2

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

11/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	17	57.4	49.1	8.0	0	0	0	0	2	4	4	2	4	1	0	0
01:00	6	62.7	48.3	13.8	0	0	1	0	0	1	1	1	1	1	0	0
02:00	7	54.3	45.4	8.6	0	0	0	1	1	1	2	1	1	0	0	0
03:00	4	54.0	46.3	7.5	0	0	0	0	1	1	0	2	0	0	0	0
04:00	7	52.3	42.1	9.8	0	0	1	1	0	1	3	1	0	0	0	0
05:00	12	58.5	48.1	10.0	0	0	0	1	2	2	2	1	3	1	0	0
06:00	44	50.1	44.7	5.2	0	0	0	1	6	18	12	6	1	0	0	0
07:00	115	49.7	42.8	6.6	0	0	1	5	35	43	16	8	5	2	0	0
08:00	101	52.8	44.8	7.8	0	1	0	5	15	39	19	15	4	2	1	0
09:00	181	48.5	42.0	6.3	0	0	2	22	40	66	34	11	6	0	0	0
10:00	265	48.4	41.5	6.7	0	1	6	27	77	85	40	22	7	0	0	0
11:00	264	47.4	39.3	7.8	0	7	16	45	58	79	46	12	1	0	0	0
12:00	288	47.1	40.5	6.4	0	0	15	36	69	108	45	13	2	0	0	0
13:00	267	48.5	41.3	6.9	0	3	2	32	72	97	36	16	7	2	0	0
14:00	231	49.5	41.4	7.8	0	2	12	19	66	63	40	22	5	2	0	0
15:00	198	50.3	42.7	7.3	0	2	4	16	43	61	44	20	7	1	0	0
16:00	199	49.4	41.6	7.6	0	4	6	14	51	67	36	15	5	1	0	0
17:00	138	50.5	42.5	7.7	0	1	4	15	29	36	37	9	5	2	0	0
18:00	157	49.5	42.4	6.9	0	1	5	10	39	45	38	17	2	0	0	0
19:00	130	52.7	44.6	7.8	0	1	0	9	26	33	32	21	5	2	1	0
20:00	81	55.6	45.2	10.1	0	0	4	7	12	21	13	12	8	2	2	0
21:00	60	52.9	44.4	8.2	0	0	1	7	12	10	14	11	4	1	0	0
22:00	22	58.0	46.6	11.0	0	0	2	0	4	5	1	5	3	2	0	0
23:00	16	55.8	44.1	11.3	0	0	2	2	2	2	1	4	3	0	0	0
Total																
2H(10-12)	529	48.0	40.4	7.3	0	8	22	72	135	164	86	34	8	0	0	0
2H(14-16)	429	49.9	42.0	7.6	0	4	16	35	109	124	84	42	12	3	0	0
12H(7-19)	2404	49.1	41.6	7.2	0	22	73	246	594	789	431	180	56	12	1	0
24H(0-24)	2810	49.9	42.1	7.5	0	23	84	275	662	888	516	247	89	22	4	0
AM Peak	10:00	01:00	00:00	01:00	00:00	11:00	11:00	11:00	10:00	10:00	11:00	10:00	10:00	07:00	08:00	00:00
	265	62.7	49.1	13.8	0	7	16	45	77	85	46	22	7	2	1	0
PM Peak	12:00	22:00	22:00	23:00	12:00	16:00	12:00	12:00	13:00	12:00	12:00	14:00	20:00	13:00	20:00	12:00
	288	58.0	46.6	11.3	0	4	15	36	72	108	45	22	8	2	2	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	20	55.7	46.3	9.1	0	0	0	0	7	3	5	1	2	2	0	0
01:00	4	69.0	53.1	15.3	0	0	0	0	0	2	0	1	0	0	1	0
02:00	3	46.5	37.5	8.7	0	0	0	2	0	0	1	0	0	0	0	0
03:00	4	51.7	45.0	6.5	0	0	0	0	1	1	1	1	0	0	0	0
04:00	10	52.1	41.8	10.0	0	0	1	2	1	2	2	1	1	0	0	0
05:00	25	52.6	42.1	10.1	0	1	3	0	4	4	8	5	0	0	0	0
06:00	37	52.1	43.4	8.4	0	0	3	1	5	14	7	5	1	1	0	0
07:00	73	53.2	44.7	8.2	0	0	2	3	13	25	14	9	5	1	1	0
08:00	101	51.5	42.7	8.5	0	0	5	10	23	27	20	9	5	1	1	0
09:00	184	50.0	42.2	7.5	0	1	8	16	43	48	48	12	7	1	0	0
10:00	236	48.7	40.5	7.9	0	0	17	34	63	63	34	16	8	0	1	0
11:00	265	47.5	39.7	7.5	0	3	18	35	69	94	29	12	2	3	0	0
12:00	267	47.1	38.6	8.2	0	6	27	32	83	73	32	9	4	0	1	0
13:00	268	47.0	39.5	7.3	0	4	16	39	78	76	44	6	5	0	0	0
14:00	292	48.0	40.2	7.5	0	1	17	52	65	92	39	21	3	1	1	0
15:00	297	47.8	40.2	7.4	0	4	20	26	87	92	45	21	2	0	0	0
16:00	307	48.0	40.4	7.4	0	5	14	24	107	92	40	14	11	0	0	0
17:00	263	47.8	40.0	7.6	0	1	20	30	78	83	34	11	5	0	0	1
18:00	180	47.8	39.3	8.2	0	2	21	19	50	51	22	11	3	1	0	0
19:00	99	52.3	42.5	9.4	0	1	6	12	17	27	20	8	3	5	0	0
20:00	82	49.9	42.6	7.1	0	0	2	9	16	28	16	8	2	1	0	0
21:00	60	53.8	44.0	9.5	0	2	1	2	10	22	10	7	3	3	0	0
22:00	39	52.4	44.0	8.1	0	0	1	4	8	6	13	4	2	1	0	0
23:00	9	59.1	44.7	13.9	0	0	1	0	3	1	2	1	0	0	1	0
Total																
2H(10-12)	501	48.1	40.1	7.7	0	3	35	69	132	157	63	28	10	3	1	0
2H(14-16)	589	47.9	40.2	7.4	0	5	37	78	152	184	84	42	5	1	1	0
12H(7-19)	2733	48.3	40.2	7.7	0	27	185	320	759	816	401	151	60	8	5	1
24H(0-24)	3125	48.9	40.6	8.0	0	31	203	352	831	926	486	193	74	21	7	1
AM Peak	11:00	01:00	01:00	01:00	00:00	11:00	11:00	11:00	11:00	11:00	09:00	10:00	10:00	11:00	01:00	00:00
	265	69.0	53.1	15.3	0	3	18	35	69	94	48	16	8	3	1	0
PM Peak	16:00	23:00	23:00	23:00	12:00	12:00	12:00	14:00	16:00	14:00	15:00	14:00	16:00	19:00	12:00	17:00
	307	59.1	44.7	13.9	0	6	27	52	107	92	45	21	11	5	1	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	37	56.5	47.6	8.6	0	0	0	0	9	7	9	3	6	3	0	0
01:00	10	64.6	50.3	13.8	0	0	1	0	0	3	1	2	1	1	1	0
02:00	10	52.3	43.0	9.0	0	0	0	3	1	1	3	1	1	0	0	0
03:00	8	52.4	45.6	6.5	0	0	0	0	2	2	1	3	0	0	0	0
04:00	17	51.9	41.9	9.6	0	0	2	3	1	3	5	2	1	0	0	0
05:00	37	54.8	44.1	10.4	0	1	3	1	6	6	10	6	3	1	0	0
06:00	81	51.2	44.1	6.8	0	0	3	2	11	32	19	11	2	1	0	0
07:00	188	51.1	43.6	7.3	0	0	3	8	48	68	30	17	10	3	1	0
08:00	202	52.2	43.7	8.2	0	1	5	15	38	66	39	24	9	3	2	0
09:00	365	49.3	42.1	6.9	0	1	10	38	83	114	82	23	13	1	0	0
10:00	501	48.6	41.0	7.3	0	1	23	61	140	148	74	38	15	0	1	0
11:00	529	47.4	39.5	7.7	0	10	34	80	127	173	75	24	3	3	0	0
12:00	555	47.2	39.6	7.3	0	6	42	68	152	181	77	22	6	0	1	0
13:00	535	47.8	40.4	7.1	0	7	18	71	150	173	80	22	12	2	0	0
14:00	523	48.7	40.8	7.7	0	3	29	71	131	155	79	43	8	3	1	0
15:00	495	48.9	41.2	7.4	0	6	24	42	130	153	89	41	9	1	0	0
16:00	506	48.6	40.8	7.5	0	9	20	38	158	159	76	29	16	1	0	0
17:00	401	48.8	40.8	7.7	0	2	24	45	107	119	71	20	10	2	0	1
18:00	337	48.8	40.7	7.8	0	3	26	29	89	96	60	28	5	1	0	0
19:00	229	52.6	43.7	8.6	0	2	6	21	43	60	52	29	8	7	1	0
20:00	163	52.9	43.9	8.8	0	0	6	16	28	49	29	20	10	3	2	0
21:00	120	53.3	44.2	8.8	0	2	2	9	22	32	24	18	7	4	0	0
22:00	61	54.6	45.0	9.3	0	0	3	4	12	11	14	9	5	3	0	0
23:00	25	56.8	44.3	12.0	0	0	3	2	5	3	3	5	3	0	1	0
Total																
2H(10-12)	1030	48.0	40.3	7.5	0	11	57	141	267	321	149	62	18	3	1	0
2H(14-16)	1018	48.8	41.0	7.6	0	9	53	113	261	308	168	84	17	4	1	0
12H(7-19)	5137	48.7	40.9	7.5	0	49	258	566	1353	1605	832	331	116	20	6	1
24H(0-24)	5935	49.4	41.3	7.8	0	54	287	627	1493	1814	1002	440	163	43	11	1
AM Peak	11:00 529	01:00 64.6	01:00 50.3	01:00 13.8	00:00 0	11:00 10	11:00 34	11:00 80	10:00 140	11:00 173	09:00 82	10:00 38	10:00 15	00:00 3	08:00 2	00:00 0
PM Peak	12:00 555	23:00 56.8	22:00 45.0	23:00 12.0	12:00 0	16:00 9	12:00 42	13:00 71	16:00 158	12:00 181	15:00 89	14:00 43	16:00 16	19:00 7	20:00 2	17:00 1

Tween Bridge ATC 13, A18 Tudworth Road

Direction: Southwestbound

12/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	58.9	48.6	10.0	0	0	0	0	2	0	3	0	1	1	0	0
01:00	6	51.3	45.0	6.1	0	0	0	0	1	3	0	2	0	0	0	0
02:00	8	53.9	46.9	6.8	0	0	0	1	0	1	3	3	0	0	0	0
03:00	3	52.1	44.2	7.6	0	0	0	0	1	1	0	1	0	0	0	0
04:00	11	59.3	50.5	8.6	0	0	0	0	1	3	1	2	3	1	0	0
05:00	50	55.4	44.1	10.9	1	2	1	3	3	14	12	9	4	1	0	0
06:00	152	52.3	44.2	7.8	0	3	2	5	27	44	40	23	6	2	0	0
07:00	424	48.3	37.1	10.8	2	44	49	37	90	108	66	20	8	0	0	0
08:00	305	49.4	40.6	8.4	0	6	21	22	91	83	51	24	4	1	2	0
09:00	275	45.2	37.1	7.8	4	5	27	43	97	71	24	3	0	1	0	0
10:00	270	44.2	35.9	8.0	2	8	44	35	103	55	18	5	0	0	0	0
11:00	239	45.6	37.5	7.8	2	11	5	40	98	61	14	5	3	0	0	0
12:00	242	46.2	38.4	7.5	0	4	25	36	67	70	32	6	2	0	0	0
13:00	267	46.5	38.8	7.5	0	9	14	35	80	93	26	7	3	0	0	0
14:00	254	45.1	37.7	7.1	1	5	16	56	77	71	22	5	1	0	0	0
15:00	300	48.1	39.4	8.4	0	6	37	24	70	99	46	10	7	1	0	0
16:00	367	47.4	39.9	7.3	2	3	20	52	91	119	62	14	4	0	0	0
17:00	393	49.2	41.2	7.8	0	2	34	26	92	115	87	29	6	2	0	0
18:00	182	52.6	43.7	8.6	0	1	11	11	23	56	49	22	4	3	2	0
19:00	118	53.0	45.6	7.2	0	0	1	5	18	32	34	19	5	4	0	0
20:00	58	54.9	46.4	8.2	0	0	0	0	14	16	11	11	2	3	1	0
21:00	54	56.2	47.9	8.0	0	0	1	1	2	17	14	12	4	2	1	0
22:00	30	55.6	45.3	9.9	0	1	0	0	8	4	9	6	1	0	1	0
23:00	26	52.1	45.6	6.3	0	0	0	2	3	5	10	5	1	0	0	0
Total																
2H(10-12)	509	44.9	36.7	7.9	4	19	49	75	201	116	32	10	3	0	0	0
2H(14-16)	554	46.8	38.6	7.9	1	11	53	80	147	170	68	15	8	1	0	0
12H(7-19)	3518	47.6	38.9	8.5	13	104	303	417	979	1001	497	150	42	8	4	0
24H(0-24)	4041	48.8	39.7	8.7	14	110	308	434	1059	1141	634	243	69	22	7	0
AM Peak	07:00	04:00	04:00	05:00	09:00	07:00	07:00	09:00	10:00	07:00	07:00	08:00	07:00	06:00	08:00	00:00
	424	59.3	50.5	10.9	4	44	49	43	103	108	66	24	8	2	2	0
PM Peak	17:00	21:00	21:00	22:00	16:00	13:00	15:00	14:00	17:00	16:00	17:00	17:00	15:00	19:00	18:00	12:00
	393	56.2	47.9	9.9	2	9	37	56	92	119	87	29	7	4	2	0

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	10	49.8	40.0	9.4	0	0	2	0	3	1	3	1	0	0	0	0
01:00	4	58.7	53.8	4.8	0	0	0	0	0	0	1	1	2	0	0	0
02:00	4	49.8	42.5	7.1	0	0	0	1	0	1	2	0	0	0	0	0
03:00	4	53.7	42.5	10.8	0	0	0	1	1	1	0	0	1	0	0	0
04:00	22	49.5	41.9	7.3	0	0	1	2	7	3	6	3	0	0	0	0
05:00	92	53.4	45.3	7.8	0	0	2	7	14	17	28	16	6	2	0	0
06:00	205	51.0	41.8	8.9	0	1	20	25	22	63	42	21	9	2	0	0
07:00	397	46.6	38.7	7.7	0	3	35	90	98	90	56	19	6	0	0	0
08:00	402	46.0	37.9	7.9	0	12	33	74	130	85	52	13	2	1	0	0
09:00	318	45.4	35.9	9.2	0	19	46	67	84	55	33	10	3	1	0	0
10:00	256	44.2	36.3	7.7	0	6	39	59	58	74	14	5	1	0	0	0
11:00	267	44.8	36.4	8.0	0	12	32	47	86	64	18	8	0	0	0	0
12:00	298	44.3	35.9	8.2	0	13	41	68	87	59	19	10	1	0	0	0
13:00	302	45.2	36.4	8.5	0	8	42	83	79	50	26	7	5	1	1	0
14:00	331	44.1	36.4	7.5	0	10	35	87	95	72	25	6	1	0	0	0
15:00	324	45.2	37.5	7.4	0	5	30	76	95	84	22	6	4	2	0	0
16:00	452	46.0	38.9	6.9	0	3	32	75	138	138	46	17	1	2	0	0
17:00	338	47.6	39.6	7.7	0	4	22	59	82	99	50	15	5	2	0	0
18:00	185	49.9	42.3	7.4	0	2	7	17	31	63	44	15	6	0	0	0
19:00	110	50.9	41.8	8.9	0	0	9	17	16	27	26	11	2	1	1	0
20:00	104	55.4	44.2	10.7	2	1	4	9	15	22	18	22	6	5	0	0
21:00	72	53.1	43.0	9.7	0	0	3	10	16	19	11	4	5	3	1	0
22:00	28	58.1	46.7	11.0	0	0	1	0	5	9	6	2	3	1	0	1
23:00	9	52.3	41.7	10.3	0	0	0	3	1	3	1	0	0	1	0	0
Total																
2H(10-12)	523	44.5	36.4	7.8	0	18	71	106	144	138	32	13	1	0	0	0
2H(14-16)	655	44.7	36.9	7.5	0	15	65	163	190	156	47	12	5	2	0	0
12H(7-19)	3870	45.9	37.6	8.0	0	97	394	802	1063	933	405	131	35	9	1	0
24H(0-24)	4534	47.1	38.4	8.4	2	99	436	877	1163	1099	549	212	69	24	3	1
AM Peak	08:00	01:00	01:00	03:00	00:00	09:00	09:00	07:00	08:00	07:00	07:00	06:00	06:00	05:00	00:00	00:00
	402	58.7	53.8	10.8	0	19	46	90	130	90	56	21	9	2	0	0
PM Peak	16:00	22:00	22:00	22:00	20:00	12:00	13:00	14:00	16:00	16:00	17:00	20:00	18:00	20:00	13:00	22:00
	452	58.1	46.7	11.0	2	13	42	87	138	138	50	22	6	5	1	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<70	Bin 11 70<80	Bin 12 >=80
00:00	17	54.2	43.5	10.3	0	0	2	0	5	1	6	1	1	1	0	0
01:00	10	55.7	48.5	7.0	0	0	0	0	1	3	1	3	2	0	0	0
02:00	12	52.6	45.4	6.9	0	0	0	2	0	2	5	3	0	0	0	0
03:00	7	52.4	43.2	8.9	0	0	0	1	2	2	0	1	1	0	0	0
04:00	33	53.7	44.8	8.6	0	0	1	2	8	6	7	5	3	1	0	0
05:00	142	54.3	44.9	9.0	1	2	3	10	17	31	40	25	10	3	0	0
06:00	357	51.7	42.9	8.5	0	4	22	30	49	107	82	44	15	4	0	0
07:00	821	47.6	37.8	9.5	2	47	84	127	188	198	122	39	14	0	0	0
08:00	707	47.6	39.1	8.2	0	18	54	96	221	168	103	37	6	2	2	0
09:00	593	45.4	36.5	8.6	4	24	73	110	181	126	57	13	3	2	0	0
10:00	526	44.2	36.1	7.8	2	14	83	94	161	129	32	10	1	0	0	0
11:00	506	45.2	37.0	7.9	2	23	37	87	184	125	32	13	3	0	0	0
12:00	540	45.3	37.0	8.0	0	17	66	104	154	129	51	16	3	0	0	0
13:00	569	45.9	37.5	8.1	0	17	56	118	159	143	52	14	8	1	1	0
14:00	585	44.5	36.9	7.3	1	15	51	143	172	143	47	11	2	0	0	0
15:00	624	46.7	38.4	8.0	0	11	67	100	165	183	68	16	11	3	0	0
16:00	819	46.7	39.3	7.1	2	6	52	127	229	257	108	31	5	2	0	0
17:00	731	48.5	40.5	7.8	0	6	56	85	174	214	137	44	11	4	0	0
18:00	367	51.3	43.0	8.1	0	3	18	28	54	119	93	37	10	3	2	0
19:00	228	52.3	43.8	8.2	0	0	10	22	34	59	60	30	7	5	1	0
20:00	162	55.3	45.0	9.9	2	1	4	9	29	38	29	33	8	8	1	0
21:00	126	54.7	45.1	9.3	0	0	4	11	18	36	25	16	9	5	2	0
22:00	58	56.7	46.0	10.4	0	1	1	0	13	13	15	8	4	1	1	1



Appendix N: Automatic Traffic Survey Reports – Link 14

Tween Bridge ATC 14, Sandtoft Road



Direction: Westbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	0	1	3	1	11	2	0	1	3
01:00	1	2	1	0	2	2	2	1	3
02:00	2	1	1	0	6	0	1	1	2
03:00	1	1	2	1	1	2	1	1	1
04:00	6	9	4	10	3	2	5	7	6
05:00	15	13	14	14	8	6	13	14	12
06:00	65	55	55	53	18	7	56	57	44
07:00	135	123	116	118	31	9	127	124	94
08:00	122	116	104	111	59	28	106	112	92
09:00	78	77	84	92	82	43	111	88	81
10:00	72	95	101	89	65	59	81	88	80
11:00	94	92	74	102	84	72	90	90	87
12:00	92	94	97	91	109	85	97	92	94
13:00	77	81	88	123	129	70	81	90	93
14:00	99	110	103	99	152	84	114	105	109
15:00	132	123	120	120	141	75	128	125	120
16:00	174	144	164	156	82	63	147	157	133
17:00	168	166	178	116	76	80	150	156	133
18:00	74	64	76	84	55	68	74	74	71
19:00	48	33	47	38	37	24	41	41	38
20:00	24	32	36	26	13	18	24	28	25
21:00	22	23	24	15	14	16	16	20	19
22:00	10	12	14	8	12	7	15	12	11
23:00	5	2	5	6	7	1	2	4	4
Total									
12H(7-19)	1317	1285	1305	1301	1065	736	1296	1301	1186
16H(6-22)	1476	1428	1467	1433	1147	801	1433	1447	1312
18H(6-24)	1491	1442	1486	1447	1166	809	1450	1463	1327
24H(0-24)	1516	1469	1511	1473	1197	822	1473	1488	1352
AM Peak	07:00	07:00	07:00	07:00	11:00	11:00	07:00	07:00	07:00
PM Peak	16:00	17:00	17:00	16:00	14:00	12:00	17:00	16:00	17:00

Paul Castle Associates

Direction: Eastbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	0	1	2	1	7	3	1	2	3
01:00	0	0	1	2	2	3	2	1	1
02:00	0	0	0	1	2	0	1	0	1
03:00	1	2	3	3	2	1	5	3	2
04:00	7	7	4	7	2	0	9	7	5
05:00	38	36	32	35	22	13	41	36	31
06:00	63	61	65	45	14	9	56	58	45
07:00	103	113	112	91	46	23	102	104	84
08:00	111	103	106	92	57	48	95	101	87
09:00	46	76	66	63	46	54	69	64	60
10:00	69	55	59	82	50	46	69	67	61
11:00	51	66	65	60	51	41	50	58	55
12:00	47	58	62	69	63	40	60	59	60
13:00	66	59	58	70	58	52	61	63	61
14:00	70	62	80	65	42	32	58	67	58
15:00	94	71	83	76	45	46	67	78	69
16:00	105	85	93	109	39	36	89	96	79
17:00	95	80	83	78	43	38	86	84	72
18:00	49	54	64	53	29	29	50	54	47
19:00	35	38	39	32	23	22	29	35	31
20:00	23	26	21	21	10	23	24	23	21
21:00	16	21	20	15	10	8	17	18	15
22:00	12	13	18	8	12	11	12	13	12
23:00	5	6	3	6	8	4	2	4	5
Total									
12H(7-19)	906	882	931	908	589	485	856	897	794
16H(6-22)	1043	1028	1076	1021	646	547	982	1030	906
18H(6-24)	1060	1047	1097	1035	666	562	956	1047	923
24H(0-24)	1109	1093	1139	1084	703	582	1055	1096	966
AM Peak	08:00	07:00	07:00	08:00	08:00	09:00	07:00	07:00	08:00
PM Peak	16:00	16:00	16:00	16:00	12:00	13:00	16:00	16:00	16:00

Paul Castle Associates

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	3	2	5	2	18	5	1	3	5
01:00	1	2	2	2	4	5	4	2	3
02:00	2	1	1	1	8	0	2	1	2
03:00	2	3	5	4	3	2	7	4	4
04:00	13	16	8	17	5	2	14	14	11
05:00	53	49	46	49	30	19	54	50	43
06:00	128	116	120	98	32	16	112	115	89
07:00	238	236	228	209	77	32	229	228	178
08:00	233	219	210	209	116	76	201	213	180
09:00	124	153	150	155	128	97	180	152	141
10:00	141	150	160	171	115	105	150	154	142
11:00	145	158	139	162	135	113	140	149	142
12:00	139	152	159	160	102	125	147	151	153
13:00	143	140	146	193	187	122	142	153	153
14:00	169	172	183	164	194	116	172	172	167
15:00	226	194	203	196	186	121	195	203	189
16:00	279	229	237	265	121	99	236	253	212
17:00	263	246	261	194	119	118	236	240	205
18:00	123	118	140	137	84	97	124	128	118
19:00	83	71	86	70	60	46	70	76	69
20:00	47	58	57	47	23	41	48	51	46
21:00	38	44	44	30	24	24	33	38	34
22:00	22	25	32	16	24	18	27	24	23
23:00	10	8	8	12	15	5	4	8	9
Total									
12H(7-19)	2223	2167	2236	2209	1654	1221	2152	2197	1980
16H(6-22)	2519	2456	2543	2454	1793	1348	2415	2477	2218
18H(6-24)	2551	2489	2583	2482	1832	1371	2446	2510	2251
24H(0-24)	2625	2562	2650	2557	1900	1404	2528	2584	2318
AM Peak	07:00	07:00	07:00	07:00	11:00	11:00	07:00	07:00	08:00
PM Peak	16:00	17:00	17:00	16:00	14:00	12:00	16:00	16:00	16:00

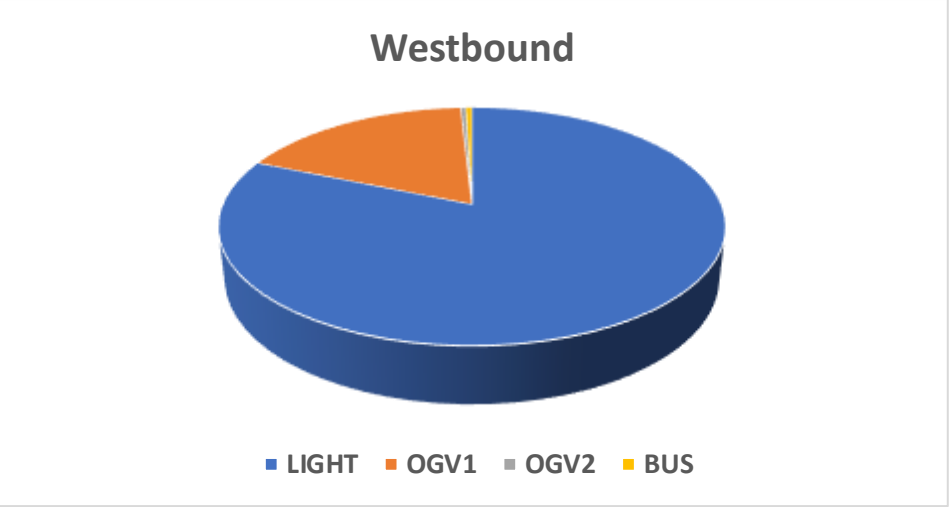
Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1516	1212	286	9	9
Wed 7 Jun 2023	1469	1190	269	5	5
Thu 8 Jun 2023	1511	1185	310	7	9
Fri 9 Jun 2023	1473	1171	293	2	7
Sat 10 Jun 2023	1197	1078	111	5	3
Sun 11 Jun 2023	822	713	103	0	6
Mon 12 Jun 2023	1473	1143	316	9	5
5 Day Ave.	1488	1180	295	6	7
7 Day Ave.	1352	1099	241	5	6

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	79.9%	18.9%	0.6%	0.6%
Wed 7 Jun 2023	100.0%	81.0%	18.3%	0.3%	0.3%
Thu 8 Jun 2023	100.0%	78.4%	20.5%	0.5%	0.6%
Fri 9 Jun 2023	100.0%	79.5%	19.9%	0.1%	0.5%
Sat 10 Jun 2023	100.0%	90.1%	9.3%	0.4%	0.3%
Sun 11 Jun 2023	100.0%	86.7%	12.5%	0.0%	0.7%
Mon 12 Jun 2023	100.0%	77.6%	21.5%	0.6%	0.3%
5 Day Ave.	100.0%	79.3%	19.8%	0.4%	0.5%
7 Day Ave.	100.0%	81.3%	17.8%	0.4%	0.5%

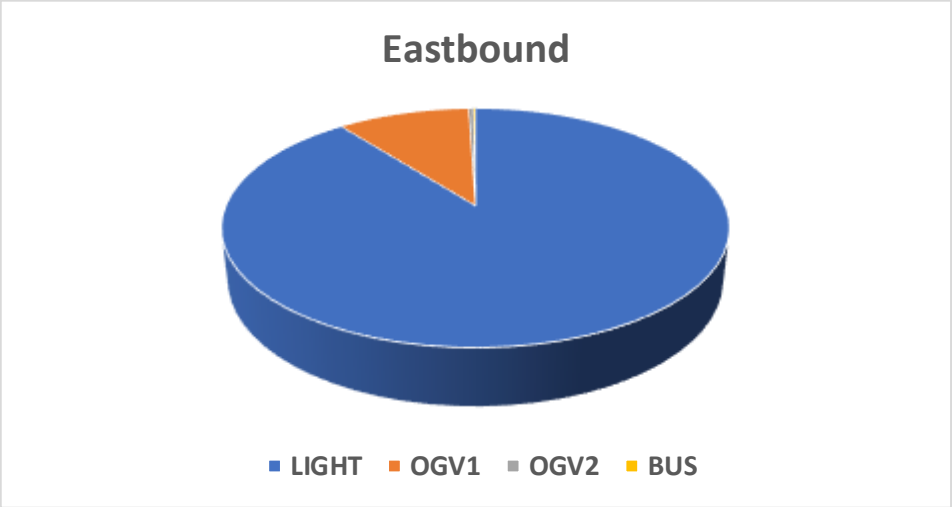
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Direction: Eastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1109	997	106	6	0
Wed 7 Jun 2023	1093	981	105	5	2
Thu 8 Jun 2023	1139	1007	124	5	3
Fri 9 Jun 2023	1084	948	130	3	3
Sat 10 Jun 2023	703	659	43	0	1
Sun 11 Jun 2023	582	552	28	1	1
Mon 12 Jun 2023	1055	905	145	5	0
5 Day Ave.	1096	968	122	5	2
7 Day Ave.	966	864	97	4	1

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	89.9%	9.6%	0.5%	0.0%
Wed 7 Jun 2023	100.0%	89.8%	9.6%	0.5%	0.2%
Thu 8 Jun 2023	100.0%	88.4%	10.9%	0.4%	0.3%
Fri 9 Jun 2023	100.0%	87.5%	12.0%	0.3%	0.3%
Sat 10 Jun 2023	100.0%	93.7%	6.1%	0.0%	0.1%
Sun 11 Jun 2023	100.0%	94.8%	4.8%	0.2%	0.2%
Mon 12 Jun 2023	100.0%	85.8%	13.7%	0.5%	0.0%
5 Day Ave.	100.0%	88.3%	11.1%	0.4%	0.1%
7 Day Ave.	100.0%	89.4%	10.1%	0.4%	0.1%

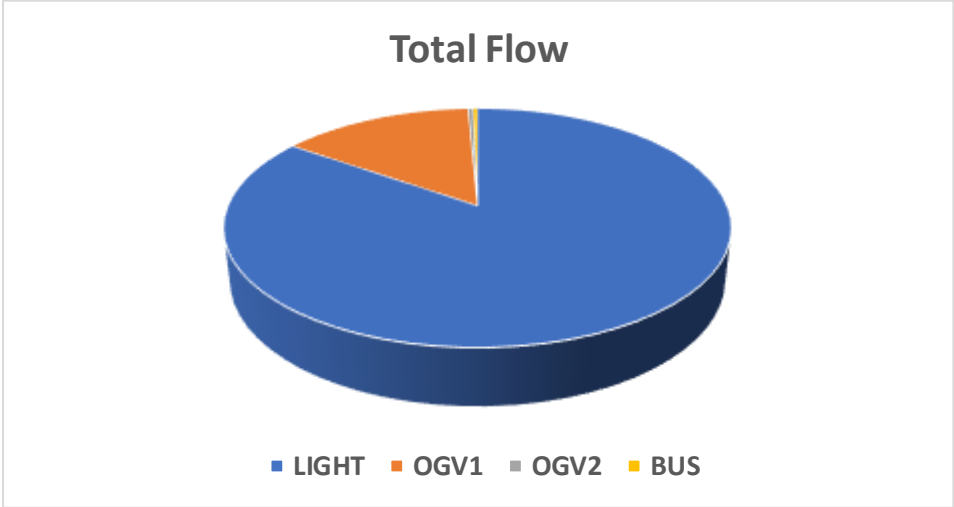
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2625	2209	392	15	9
Wed 7 Jun 2023	2562	2171	374	10	7
Thu 8 Jun 2023	2650	2192	434	12	12
Fri 9 Jun 2023	2557	2119	423	5	10
Sat 10 Jun 2023	1900	1737	154	5	4
Sun 11 Jun 2023	1404	1265	131	1	7
Mon 12 Jun 2023	2528	2048	461	14	5
5 Day Ave.	2584	2148	417	11	9
7 Day Ave.	2318	1963	338	9	8

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	84.2%	14.9%	0.6%	0.3%
Wed 7 Jun 2023	100.0%	84.7%	14.6%	0.4%	0.3%
Thu 8 Jun 2023	100.0%	82.7%	16.4%	0.5%	0.5%
Fri 9 Jun 2023	100.0%	82.9%	16.5%	0.2%	0.4%
Sat 10 Jun 2023	100.0%	91.4%	8.1%	0.3%	0.2%
Sun 11 Jun 2023	100.0%	90.1%	9.3%	0.1%	0.5%
Mon 12 Jun 2023	100.0%	81.0%	18.2%	0.6%	0.2%
5 Day Ave.	100.0%	83.1%	16.1%	0.4%	0.3%
7 Day Ave.	100.0%	84.7%	14.6%	0.4%	0.3%

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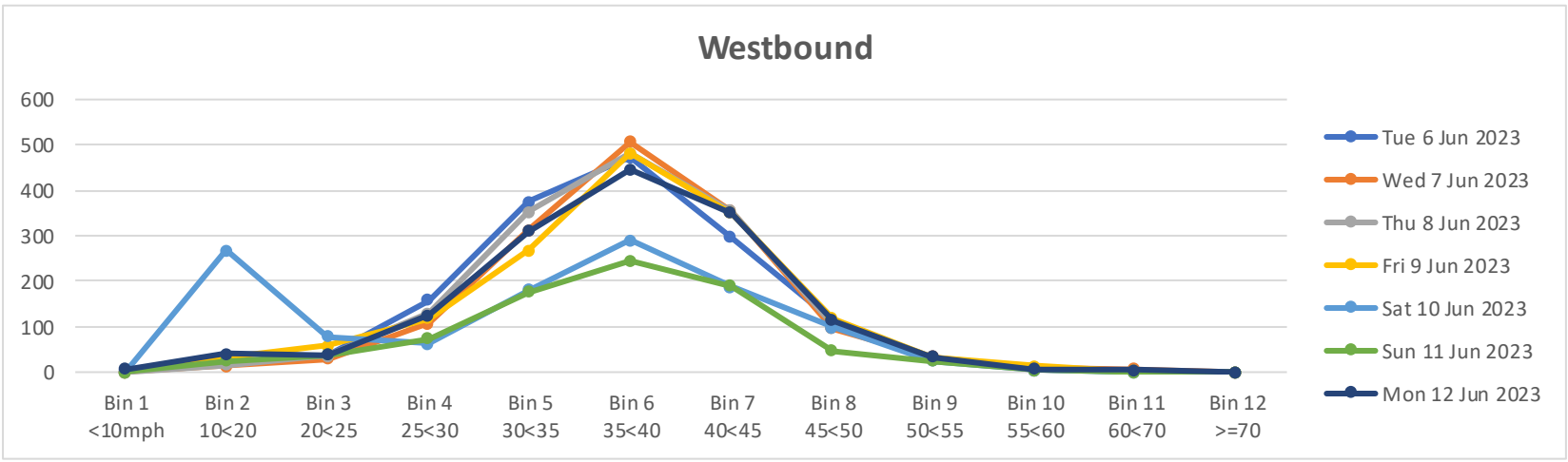


Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	1516	44.0	36.7	7.0	2	20	36	158	374	473	297	115	34	4	3	0
Wed 7 Jun 2023	1469	44.6	37.6	6.7	1	13	29	108	312	506	355	96	34	9	6	0
Thu 8 Jun 2023	1511	44.0	37.1	6.6	0	16	35	130	352	482	356	106	27	5	2	0
Fri 9 Jun 2023	1473	45.0	37.2	7.5	1	32	57	118	267	482	351	118	31	13	3	0
Sat 10 Jun 2023	1197	43.8	32.1	11.3	1	268	79	63	181	291	188	98	24	4	0	0
Sun 11 Jun 2023	822	44.4	36.4	7.7	1	24	39	73	176	245	189	47	24	4	0	0
Mon 12 Jun 2023	1473	44.9	36.9	7.7	6	41	38	125	310	446	350	113	33	7	4	0
5 Day Ave.	1488	44.5	37.1	7.1	2	24	39	128	323	478	342	110	32	8	4	0
7 Day Ave.	1352	44.4	36.3	7.8	2	59	45	111	282	418	298	99	30	7	3	0

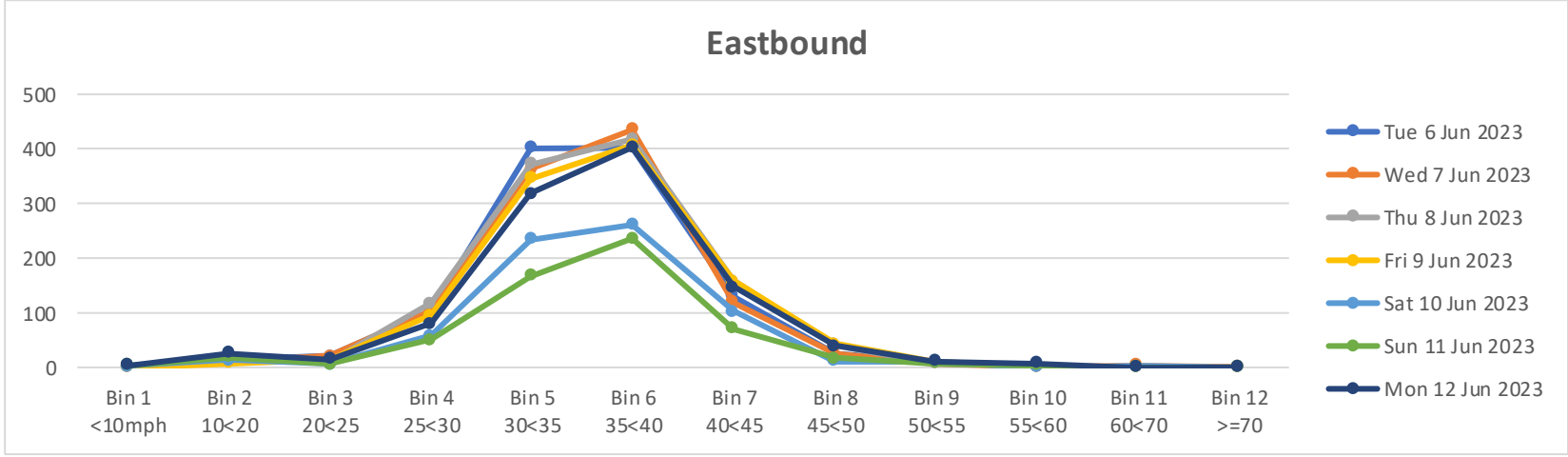
Paul Castle Associates



Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	1109	41.0	35.2	5.6	1	13	21	104	401	402	131	24	10	2	0	0
Wed 7 Jun 2023	1093	41.4	35.4	5.8	1	11	21	102	363	435	120	27	8	1	3	1
Thu 8 Jun 2023	1139	41.5	35.6	5.7	0	14	10	117	372	418	158	41	7	2	0	0
Fri 9 Jun 2023	1084	41.9	36.0	5.7	1	7	13	95	347	407	158	43	9	4	0	0
Sat 10 Jun 2023	703	42.0	35.6	6.2	2	14	6	57	235	261	103	12	10	1	2	0
Sun 11 Jun 2023	582	42.6	35.5	6.9	3	18	5	51	168	236	71	17	8	4	1	0
Mon 12 Jun 2023	1055	42.6	35.7	6.6	3	27	16	81	319	403	148	39	11	7	1	0
5 Day Ave.	1096	41.7	35.6	5.9	1	14	16	100	360	413	143	35	9	3	1	0
7 Day Ave.	966	41.9	35.6	6.1	2	15	13	87	315	366	127	29	9	3	1	0

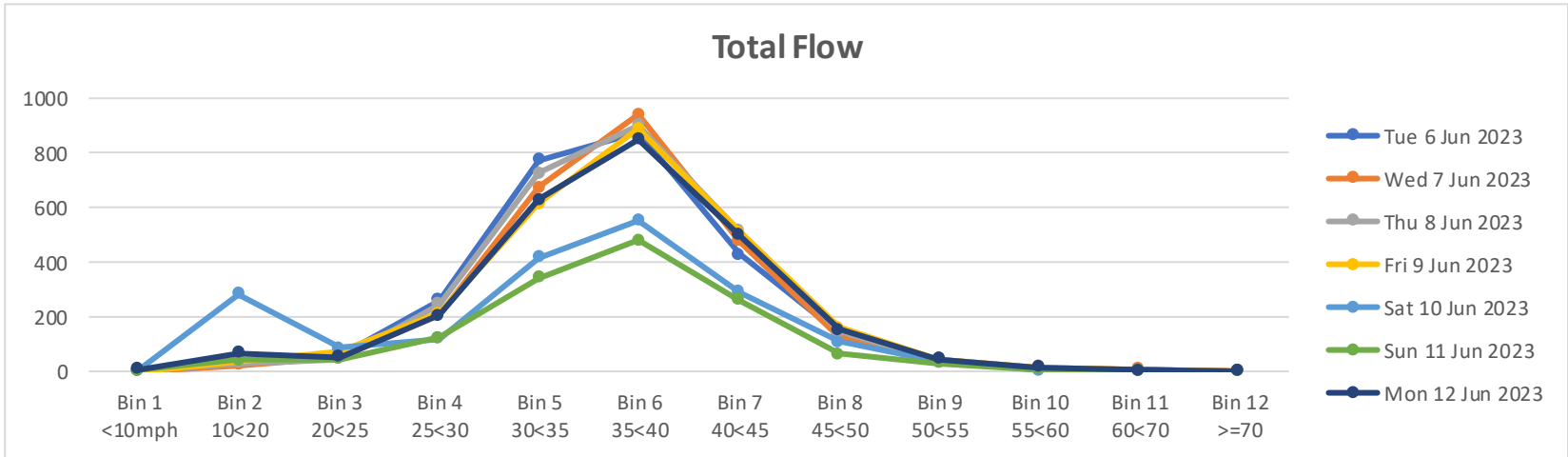
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	2625	42.8	36.1	6.5	3	33	57	262	775	875	428	139	44	6	3	0
Wed 7 Jun 2023	2562	43.4	36.7	6.5	2	24	50	210	675	941	475	123	42	10	9	1
Thu 8 Jun 2023	2650	43.0	36.5	6.3	0	30	45	247	724	900	514	147	34	7	2	0
Fri 9 Jun 2023	2557	43.8	36.7	6.8	2	39	70	213	614	889	509	161	40	17	3	0
Sat 10 Jun 2023	1900	43.6	33.4	9.9	3	282	85	120	416	552	291	110	34	5	2	0
Sun 11 Jun 2023	1404	43.7	36.0	7.4	4	42	44	124	344	481	260	64	32	8	1	0
Mon 12 Jun 2023	2528	44.0	36.4	7.3	9	68	54	206	629	849	498	152	44	14	5	0
5 Day Ave.	2584	43.4	36.5	6.7	3	39	55	228	683	891	485	144	41	11	4	0
7 Day Ave.	2318	43.5	36.0	7.2	3	74	58	197	597	784	425	128	39	10	4	0

Paul Castle Associates



Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
Tue 6 Jun 2023	166	41.8	34.5	7.0	0	5	0	39	44	45	24	5	4	0	0	0
Wed 7 Jun 2023	187	45.0	37.4	7.4	0	0	4	20	49	56	40	8	5	2	3	0
Thu 8 Jun 2023	175	42.4	35.4	6.8	0	2	4	30	51	50	23	11	4	0	0	0
Fri 9 Jun 2023	191	44.0	37.2	6.6	0	1	3	18	44	71	34	15	3	1	1	0
Sat 10 Jun 2023	149	44.9	34.9	9.7	0	21	2	9	23	47	32	14	1	0	0	0
Sun 11 Jun 2023	131	45.7	38.0	7.5	0	4	5	3	24	43	34	14	3	1	0	0
Mon 12 Jun 2023	171	43.1	35.0	7.8	1	8	6	19	40	58	27	9	3	0	0	0
5 Day Ave.	178	43.3	35.9	7.1	0	3	3	25	46	56	30	10	4	1	1	0
7 Day Ave.	167	43.9	36.0	7.5	0	6	3	20	39	53	31	11	3	1	1	0

Paul Castle Associates

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
Tue 6 Jun 2023	120	40.3	33.7	6.4	0	4	1	22	44	40	2	6	0	1	0	0
Wed 7 Jun 2023	121	38.7	33.3	5.2	0	2	3	19	55	34	7	0	1	0	0	0
Thu 8 Jun 2023	124	39.0	33.5	5.2	0	2	1	22	56	31	10	2	0	0	0	0
Fri 9 Jun 2023	142	40.6	34.1	6.3	1	3	1	26	44	50	13	3	1	0	0	0
Sat 10 Jun 2023	101	42.1	34.9	6.9	1	3	1	9	37	31	15	2	2	0	0	0
Sun 11 Jun 2023	87	43.2	35.5	7.4	1	5	1	2	23	35	17	3	0	0	0	0
Mon 12 Jun 2023	119	42.5	34.1	8.1	1	6	6	13	34	39	16	1	0	3	0	0
5 Day Ave.	125	40.2	33.8	6.2	0	3	2	20	47	39	10	2	0	1	0	0
7 Day Ave.	116	40.9	34.2	6.5	1	4	2	16	42	37	11	2	1	1	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
Tue 6 Jun 2023	286	41.2	34.2	6.8	0	9	1	61	88	85	26	11	4	1	0	0
Wed 7 Jun 2023	308	42.9	35.8	6.9	0	2	7	39	104	90	47	8	6	2	3	0
Thu 8 Jun 2023	299	41.1	34.6	6.2	0	4	5	52	107	81	33	13	4	0	0	0
Fri 9 Jun 2023	333	42.8	35.9	6.6	1	4	4	44	88	121	47	18	4	1	1	0
Sat 10 Jun 2023	250	43.9	34.9	8.7	1	24	3	18	60	78	47	16	3	0	0	0
Sun 11 Jun 2023	218	44.8	37.0	7.6	1	9	6	5	47	78	51	17	3	1	0	0
Mon 12 Jun 2023	290	42.9	34.7	7.9	2	14	12	32	74	97	43	10	3	3	0	0
5 Day Ave.	303	42.2	35.0	6.9	1	7	6	46	92	95	39	12	4	1	1	0
7 Day Ave.	283	42.8	35.3	7.2	1	9	5	36	81	90	42	13	4	1	1	0

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	231	43.2	36.7	6.3	0	0	7	27	58	67	53	16	3	0	0	0
Wed 7 Jun 2023	233	43.3	36.5	6.5	0	3	5	19	68	71	53	10	2	1	1	0
Thu 8 Jun 2023	223	44.5	37.9	6.4	0	1	3	19	45	76	52	21	5	1	0	0
Fri 9 Jun 2023	219	45.3	37.2	7.8	0	5	10	22	38	59	58	19	6	2	0	0
Sat 10 Jun 2023	293	35.6	24.7	10.5	1	130	43	14	40	38	19	6	2	0	0	0
Sun 11 Jun 2023	159	43.3	35.5	7.5	0	4	9	20	39	40	36	9	1	1	0	0
Mon 12 Jun 2023	242	44.3	35.7	8.2	2	9	10	28	51	65	54	21	1	0	1	0
5 Day Ave.	230	44.1	36.8	7.1	0	4	7	23	52	68	54	17	3	1	0	0
7 Day Ave.	229	42.8	34.9	7.6	0	22	12	21	48	59	46	15	3	1	0	0

Paul Castle Associates

Direction: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	164	40.1	33.5	6.4	0	5	9	21	64	45	17	1	2	0	0	0
Wed 7 Jun 2023	133	42.0	35.1	6.7	0	3	5	15	35	54	17	2	1	0	1	0
Thu 8 Jun 2023	163	41.8	36.2	5.4	0	0	2	16	52	57	27	8	1	0	0	0
Fri 9 Jun 2023	141	41.3	36.3	4.9	0	0	0	11	50	49	25	6	0	0	0	0
Sat 10 Jun 2023	87	40.6	35.9	4.5	0	0	0	3	39	30	13	1	1	0	0	0
Sun 11 Jun 2023	78	41.4	35.2	6.0	0	1	0	10	28	30	3	5	0	1	0	0
Mon 12 Jun 2023	125	41.3	35.0	6.1	1	2	2	10	47	42	17	4	0	0	0	0
5 Day Ave.	145	41.3	35.2	5.9	0	2	4	15	50	49	21	4	1	0	0	0
7 Day Ave.	127	41.2	35.3	5.7	0	2	3	12	45	44	17	4	1	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	395	42.1	35.4	6.5	0	5	16	48	122	112	70	17	5	0	0	0
Wed 7 Jun 2023	366	42.9	36.0	6.6	0	6	10	34	103	125	70	12	3	1	2	0
Thu 8 Jun 2023	386	43.4	37.1	6.1	0	1	5	35	97	133	79	29	6	1	0	0
Fri 9 Jun 2023	360	43.9	36.8	6.9	0	5	10	33	88	108	83	25	6	2	0	0
Sat 10 Jun 2023	380	38.2	27.3	10.6	1	130	43	17	79	68	32	7	3	0	0	0
Sun 11 Jun 2023	237	42.7	35.4	7.0	0	5	9	30	67	70	39	14	1	2	0	0
Mon 12 Jun 2023	367	43.3	35.5	7.6	3	11	12	38	98	107	71	25	1	0	1	0
5 Day Ave.	375	43.1	36.2	6.7	1	6	11	38	102	117	75	22	4	1	1	0
7 Day Ave.	356	42.4	34.8	7.3	1	23	15	34	93	103	63	18	4	1	0	0

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	1	1	0	0	0
04:00	6	5	1	0	0
05:00	15	13	2	0	0
06:00	65	56	9	0	0
07:00	135	106	29	0	0
08:00	122	100	21	1	0
09:00	78	59	16	1	2
10:00	72	49	22	1	0
11:00	94	70	21	2	1
12:00	92	65	26	0	1
13:00	77	54	20	2	1
14:00	99	78	20	1	0
15:00	132	96	32	1	3
16:00	174	149	25	0	0
17:00	168	147	20	0	1
18:00	74	67	7	0	0
19:00	48	43	5	0	0
20:00	24	17	7	0	0
21:00	22	21	1	0	0
22:00	10	9	1	0	0
23:00	5	4	1	0	0
Total					
12H(7-19)	1317	1040	259	9	9
16H(6-22)	1476	1177	281	9	9
18H(6-24)	1491	1190	283	9	9
24H(0-24)	1516	1212	286	9	9
AM Peak	07:00 135	07:00 106	07:00 29	11:00 2	09:00 2
PM Peak	16:00 174	16:00 149	15:00 32	13:00 2	15:00 3

Paul Castle Associates

Direction: Eastbound

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	1	1	0	0	0
04:00	7	7	0	0	0
05:00	38	37	1	0	0
06:00	63	57	5	1	0
07:00	103	94	9	0	0
08:00	111	104	6	1	0
09:00	46	38	8	0	0
10:00	69	60	8	1	0
11:00	51	47	3	1	0
12:00	47	37	9	1	0
13:00	66	57	9	0	0
14:00	70	59	10	1	0
15:00	94	86	8	0	0
16:00	105	90	15	0	0
17:00	95	85	10	0	0
18:00	49	48	1	0	0
19:00	35	33	2	0	0
20:00	23	23	0	0	0
21:00	16	14	2	0	0
22:00	12	12	0	0	0
23:00	5	5	0	0	0
Total					
12H(7-19)	906	805	96	5	0
16H(6-22)	1043	932	105	6	0
18H(6-24)	1060	949	105	6	0
24H(0-24)	1109	997	106	6	0
AM Peak	08:00 111	08:00 104	07:00 9	06:00 1	00:00 0
PM Peak	16:00 105	16:00 90	16:00 15	12:00 1	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	2	2	0	0	0
04:00	13	12	1	0	0
05:00	53	50	3	0	0
06:00	128	113	14	1	0
07:00	238	200	38	0	0
08:00	233	204	27	2	0
09:00	124	97	24	1	2
10:00	141	109	30	2	0
11:00	145	117	24	3	1
12:00	139	102	35	1	1
13:00	143	111	29	2	1
14:00	169	137	30	2	0
15:00	226	182	40	1	3
16:00	279	239	40	0	0
17:00	263	232	30	0	1
18:00	123	115	8	0	0
19:00	83	76	7	0	0
20:00	47	40	7	0	0
21:00	38	35	3	0	0
22:00	22	21	1	0	0
23:00	10	9	1	0	0
Total					
12H(7-19)	2223	1845	355	14	9
16H(6-22)	2519	2109	386	15	9
18H(6-24)	2551	2139	388	15	9
24H(0-24)	2625	2209	392	15	9
AM Peak	07:00 238	08:00 204	07:00 38	11:00 3	09:00 2
PM Peak	16:00 279	16:00 239	15:00 40	13:00 2	15:00 3

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	1	1	0	0
02:00	1	0	1	0	0
03:00	1	1	0	0	0
04:00	9	9	0	0	0
05:00	13	10	3	0	0
06:00	55	45	10	0	0
07:00	123	104	19	0	0
08:00	116	100	15	1	0
09:00	77	56	20	0	1
10:00	95	71	24	0	0
11:00	92	64	28	0	0
12:00	94	74	20	0	0
13:00	81	56	23	0	2
14:00	110	90	19	0	1
15:00	123	94	27	1	1
16:00	144	123	21	0	0
17:00	166	149	17	0	0
18:00	64	53	10	1	0
19:00	33	27	5	1	0
20:00	32	29	2	1	0
21:00	23	21	2	0	0
22:00	12	11	1	0	0
23:00	2	1	1	0	0
Total					
12H(7-19)	1285	1034	243	3	5
16H(6-22)	1428	1156	262	5	5
18H(6-24)	1442	1168	264	5	5
24H(0-24)	1469	1190	269	5	5
AM Peak	07:00	07:00	11:00	08:00	09:00
	123	104	28	1	1
PM Peak	17:00	17:00	15:00	15:00	13:00
	166	149	27	1	2

Paul Castle Associates

Direction: Eastbound

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	2	2	0	0	0
04:00	7	7	0	0	0
05:00	36	36	0	0	0
06:00	61	58	3	0	0
07:00	113	103	9	1	0
08:00	103	95	7	1	0
09:00	76	66	10	0	0
10:00	55	47	8	0	0
11:00	66	55	11	0	0
12:00	58	46	10	2	0
13:00	59	53	6	0	0
14:00	62	51	11	0	0
15:00	71	61	9	0	1
16:00	85	78	7	0	0
17:00	80	73	6	0	1
18:00	54	51	3	0	0
19:00	38	36	1	1	0
20:00	26	22	4	0	0
21:00	21	21	0	0	0
22:00	13	13	0	0	0
23:00	6	6	0	0	0
Total					
12H(7-19)	882	779	97	4	2
16H(6-22)	1028	916	105	5	2
18H(6-24)	1047	935	105	5	2
24H(0-24)	1093	981	105	5	2
AM Peak	07:00	07:00	11:00	07:00	00:00
	113	103	11	1	0
PM Peak	16:00	16:00	14:00	12:00	15:00
	85	78	11	2	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	1	1	0	0
02:00	1	0	1	0	0
03:00	3	3	0	0	0
04:00	16	16	0	0	0
05:00	49	46	3	0	0
06:00	116	103	13	0	0
07:00	236	207	28	1	0
08:00	219	195	22	2	0
09:00	153	122	30	0	1
10:00	150	118	32	0	0
11:00	158	119	39	0	0
12:00	152	120	30	2	0
13:00	140	109	29	0	2
14:00	172	141	30	0	1
15:00	194	155	36	1	2
16:00	229	201	28	0	0
17:00	246	222	23	0	1
18:00	118	104	13	1	0
19:00	71	63	6	2	0
20:00	58	51	6	1	0
21:00	44	42	2	0	0
22:00	25	24	1	0	0
23:00	8	7	1	0	0
Total					
12H(7-19)	2167	1813	340	7	7
16H(6-22)	2456	2072	367	10	7
18H(6-24)	2489	2103	369	10	7
24H(0-24)	2562	2171	374	10	7
AM Peak	07:00	07:00	11:00	08:00	09:00
	236	207	39	2	1
PM Peak	17:00	17:00	15:00	12:00	13:00
	246	222	36	2	2

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	2	1	0	0
01:00	1	1	0	0	0
02:00	1	1	0	0	0
03:00	2	2	0	0	0
04:00	4	4	0	0	0
05:00	14	12	2	0	0
06:00	55	46	9	0	0
07:00	116	101	15	0	0
08:00	104	88	16	0	0
09:00	84	62	20	1	1
10:00	101	76	24	0	1
11:00	74	57	16	1	0
12:00	97	68	29	0	0
13:00	88	60	25	1	2
14:00	103	75	26	0	2
15:00	120	82	36	2	0
16:00	164	127	35	0	2
17:00	178	159	18	0	1
18:00	76	58	18	0	0
19:00	47	41	5	1	0
20:00	36	29	7	0	0
21:00	24	17	7	0	0
22:00	14	13	0	1	0
23:00	5	4	1	0	0
Total					
12H(7-19)	1305	1013	278	5	9
16H(6-22)	1467	1146	306	6	9
18H(6-24)	1486	1163	307	7	9
24H(0-24)	1511	1185	310	7	9
AM Peak	07:00	07:00	10:00	09:00	09:00
	116	101	24	1	1
PM Peak	17:00	17:00	15:00	15:00	13:00
	178	159	36	2	2

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	3	3	0	0	0
04:00	4	4	0	0	0
05:00	32	31	1	0	0
06:00	65	60	5	0	0
07:00	112	103	8	1	0
08:00	106	94	11	0	1
09:00	66	60	5	1	0
10:00	59	48	10	1	0
11:00	65	49	15	1	0
12:00	62	50	10	1	1
13:00	58	53	5	0	0
14:00	80	66	14	0	0
15:00	83	68	14	0	1
16:00	93	79	14	0	0
17:00	83	79	4	0	0
18:00	64	62	2	0	0
19:00	39	36	3	0	0
20:00	21	19	2	0	0
21:00	20	20	0	0	0
22:00	18	17	1	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	931	811	112	5	3
16H(6-22)	1076	946	122	5	3
18H(6-24)	1097	966	123	5	3
24H(0-24)	1139	1007	124	5	3
AM Peak	07:00	07:00	11:00	07:00	08:00
	112	103	15	1	1
PM Peak	16:00	16:00	14:00	12:00	12:00
	93	79	14	1	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	4	1	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	5	5	0	0	0
04:00	8	8	0	0	0
05:00	46	43	3	0	0
06:00	120	106	14	0	0
07:00	228	204	23	1	0
08:00	210	182	27	0	1
09:00	150	122	25	2	1
10:00	160	124	34	1	1
11:00	139	106	31	2	0
12:00	159	118	39	1	1
13:00	146	113	30	1	2
14:00	183	141	40	0	2
15:00	203	150	50	2	1
16:00	257	206	49	0	2
17:00	261	238	22	0	1
18:00	140	120	20	0	0
19:00	86	77	8	1	0
20:00	57	48	9	0	0
21:00	44	37	7	0	0
22:00	32	30	1	1	0
23:00	8	7	1	0	0
Total					
12H(7-19)	2236	1824	390	10	12
16H(6-22)	2543	2092	428	11	12
18H(6-24)	2583	2129	430	12	12
24H(0-24)	2650	2192	434	12	12
AM Peak	07:00	07:00	10:00	09:00	08:00
	228	204	34	2	1
PM Peak	17:00	17:00	15:00	15:00	13:00
	261	238	50	2	2

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

09/06/2023					
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	1	1	0	0	0
04:00	10	9	1	0	0
05:00	14	9	5	0	0
06:00	53	39	14	0	0
07:00	118	99	19	0	0
08:00	111	92	17	2	0
09:00	92	66	25	0	1
10:00	89	60	29	0	0
11:00	102	78	22	0	2
12:00	91	67	23	0	1
13:00	123	97	25	0	1
14:00	99	76	23	0	0
15:00	120	97	22	0	1
16:00	156	125	31	0	0
17:00	116	101	15	0	0
18:00	84	72	11	0	1
19:00	38	34	4	0	0
20:00	26	24	2	0	0
21:00	15	11	4	0	0
22:00	8	8	0	0	0
23:00	6	5	1	0	0
Total					
12H(7-19)	1301	1030	262	2	7
16H(6-22)	1433	1138	286	2	7
18H(6-24)	1447	1151	287	2	7
24H(0-24)	1473	1171	293	2	7
AM Peak	07:00 118	07:00 99	10:00 29	08:00 2	11:00 2
PM Peak	16:00 156	16:00 125	16:00 31	12:00 0	12:00 1

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	3	3	0	0	0
04:00	7	6	1	0	0
05:00	35	35	0	0	0
06:00	45	41	3	1	0
07:00	91	84	7	0	0
08:00	92	72	19	1	0
09:00	63	50	13	0	0
10:00	82	64	17	0	1
11:00	60	45	15	0	0
12:00	69	57	12	0	0
13:00	70	60	9	0	1
14:00	65	58	6	1	0
15:00	76	67	9	0	0
16:00	109	99	10	0	0
17:00	78	74	3	0	1
18:00	53	49	4	0	0
19:00	32	31	1	0	0
20:00	21	21	0	0	0
21:00	15	15	0	0	0
22:00	8	7	1	0	0
23:00	6	6	0	0	0
Total					
12H(7-19)	908	779	124	2	3
16H(6-22)	1021	887	128	3	3
18H(6-24)	1035	900	129	3	3
24H(0-24)	1084	948	130	3	3
AM Peak	08:00 92	07:00 84	08:00 19	06:00 1	10:00 1
PM Peak	16:00 109	16:00 99	12:00 12	14:00 1	13:00 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	1	1	0	0	0
03:00	4	4	0	0	0
04:00	17	15	2	0	0
05:00	49	44	5	0	0
06:00	98	80	17	1	0
07:00	209	183	26	0	0
08:00	203	164	36	3	0
09:00	155	116	38	0	1
10:00	171	124	46	0	1
11:00	162	123	37	0	2
12:00	160	124	35	0	1
13:00	193	157	34	0	2
14:00	164	134	29	1	0
15:00	196	164	31	0	1
16:00	265	224	41	0	0
17:00	194	175	18	0	1
18:00	137	121	15	0	1
19:00	70	65	5	0	0
20:00	47	45	2	0	0
21:00	30	26	4	0	0
22:00	16	15	1	0	0
23:00	12	11	1	0	0
Total					
12H(7-19)	2209	1809	386	4	10
16H(6-22)	2454	2025	414	5	10
18H(6-24)	2482	2051	416	5	10
24H(0-24)	2557	2119	423	5	10
AM Peak	07:00 209	07:00 183	10:00 46	08:00 3	11:00 2
PM Peak	16:00 265	16:00 224	16:00 41	14:00 1	13:00 2

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	11	0	0	0
01:00	2	1	1	0	0
02:00	6	6	0	0	0
03:00	1	1	0	0	0
04:00	3	3	0	0	0
05:00	8	7	1	0	0
06:00	18	17	1	0	0
07:00	31	27	4	0	0
08:00	59	49	8	1	1
09:00	82	70	12	0	0
10:00	65	54	11	0	0
11:00	84	71	13	0	0
12:00	109	98	10	0	1
13:00	129	119	9	1	0
14:00	152	141	8	2	1
15:00	141	137	3	1	0
16:00	82	78	4	0	0
17:00	76	63	13	0	0
18:00	55	51	4	0	0
19:00	37	33	4	0	0
20:00	13	10	3	0	0
21:00	14	13	1	0	0
22:00	12	12	0	0	0
23:00	7	6	1	0	0
Total					
12H(7-19)	1065	958	99	5	3
16H(6-22)	1147	1031	108	5	3
18H(6-24)	1166	1049	109	5	3
24H(0-24)	1197	1078	111	5	3
AM Peak	11:00	11:00	11:00	08:00	08:00
	84	71	13	1	1
PM Peak	14:00	14:00	17:00	14:00	12:00
	152	141	13	2	1

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	1	0	0
01:00	2	2	0	0	0
02:00	2	2	0	0	0
03:00	2	2	0	0	0
04:00	2	2	0	0	0
05:00	22	22	0	0	0
06:00	14	14	0	0	0
07:00	46	38	8	0	0
08:00	57	51	6	0	0
09:00	46	39	7	0	0
10:00	50	47	3	0	0
11:00	51	48	3	0	0
12:00	83	78	5	0	0
13:00	58	57	1	0	0
14:00	42	42	0	0	0
15:00	45	42	3	0	0
16:00	39	36	2	0	1
17:00	43	42	1	0	0
18:00	29	26	3	0	0
19:00	23	23	0	0	0
20:00	10	10	0	0	0
21:00	10	10	0	0	0
22:00	12	12	0	0	0
23:00	8	8	0	0	0
Total					
12H(7-19)	589	546	42	0	1
16H(6-22)	646	603	42	0	1
18H(6-24)	666	623	42	0	1
24H(0-24)	703	659	43	0	1
AM Peak	08:00	08:00	07:00	00:00	00:00
	57	51	8	0	0
PM Peak	12:00	12:00	12:00	12:00	16:00
	83	78	5	0	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	18	17	1	0	0
01:00	4	3	1	0	0
02:00	8	8	0	0	0
03:00	3	3	0	0	0
04:00	5	5	0	0	0
05:00	30	29	1	0	0
06:00	32	31	1	0	0
07:00	77	65	12	0	0
08:00	116	100	14	1	1
09:00	128	109	19	0	0
10:00	115	101	14	0	0
11:00	135	119	16	0	0
12:00	192	176	15	0	1
13:00	187	176	10	1	0
14:00	194	183	8	2	1
15:00	186	179	6	1	0
16:00	121	114	6	0	1
17:00	119	105	14	0	0
18:00	84	77	7	0	0
19:00	60	56	4	0	0
20:00	23	20	3	0	0
21:00	24	23	1	0	0
22:00	24	24	0	0	0
23:00	15	14	1	0	0
Total					
12H(7-19)	1654	1504	141	5	4
16H(6-22)	1793	1634	150	5	4
18H(6-24)	1832	1672	151	5	4
24H(0-24)	1900	1737	154	5	4
AM Peak	11:00	11:00	09:00	08:00	08:00
	135	119	19	1	1
PM Peak	14:00	14:00	12:00	14:00	12:00
	194	183	15	2	1

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	0	0	0	0	0
03:00	1	1	0	0	0
04:00	2	1	1	0	0
05:00	6	5	1	0	0
06:00	7	7	0	0	0
07:00	9	7	2	0	0
08:00	28	27	1	0	0
09:00	43	37	6	0	0
10:00	59	49	10	0	0
11:00	72	62	8	0	2
12:00	85	77	8	0	0
13:00	70	66	3	0	1
14:00	84	73	11	0	0
15:00	75	63	11	0	1
16:00	63	52	10	0	1
17:00	80	69	11	0	0
18:00	68	53	14	0	1
19:00	24	22	2	0	0
20:00	18	16	2	0	0
21:00	16	14	2	0	0
22:00	7	7	0	0	0
23:00	1	1	0	0	0
Total					
12H(7-19)	736	635	95	0	6
16H(6-22)	801	694	101	0	6
18H(6-24)	809	702	101	0	6
24H(0-24)	822	713	103	0	6
AM Peak	11:00	11:00	10:00	00:00	11:00
	72	62	10	0	2
PM Peak	12:00	12:00	18:00	12:00	13:00
	85	77	14	0	1

Paul Castle Associates

Direction: Eastbound

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	0	0	0	0	0
05:00	13	13	0	0	0
06:00	9	9	0	0	0
07:00	23	23	0	0	0
08:00	48	45	3	0	0
09:00	54	49	5	0	0
10:00	46	42	4	0	0
11:00	41	39	2	0	0
12:00	40	40	0	0	0
13:00	52	50	2	0	0
14:00	32	30	2	0	0
15:00	46	45	1	0	0
16:00	36	34	2	0	0
17:00	38	37	1	0	0
18:00	29	28	0	0	1
19:00	22	21	1	0	0
20:00	23	20	3	0	0
21:00	8	7	1	0	0
22:00	11	10	0	1	0
23:00	4	4	0	0	0
Total					
12H(7-19)	485	462	22	0	1
16H(6-22)	547	519	27	0	1
18H(6-24)	562	533	27	1	1
24H(0-24)	582	552	28	1	1
AM Peak	09:00	09:00	09:00	00:00	00:00
	54	49	5	0	0
PM Peak	13:00	13:00	20:00	22:00	18:00
	52	50	3	1	1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	5	5	0	0	0
02:00	0	0	0	0	0
03:00	2	1	1	0	0
04:00	2	1	1	0	0
05:00	19	18	1	0	0
06:00	16	16	0	0	0
07:00	32	30	2	0	0
08:00	76	72	4	0	0
09:00	97	86	11	0	0
10:00	105	91	14	0	0
11:00	113	101	10	0	2
12:00	125	117	8	0	0
13:00	122	116	5	0	1
14:00	116	103	13	0	0
15:00	121	108	12	0	1
16:00	99	86	12	0	1
17:00	118	106	12	0	0
18:00	97	81	14	0	2
19:00	46	43	3	0	0
20:00	41	36	5	0	0
21:00	24	21	3	0	0
22:00	18	17	0	1	0
23:00	5	5	0	0	0
Total					
12H(7-19)	1221	1097	117	0	7
16H(6-22)	1348	1213	128	0	7
18H(6-24)	1371	1235	128	1	7
24H(0-24)	1404	1265	131	1	7
AM Peak	11:00	11:00	10:00	00:00	11:00
	113	101	14	0	2
PM Peak	12:00	12:00	18:00	22:00	18:00
	125	117	14	1	2

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	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	5	4	1	0	0
05:00	13	12	1	0	0
06:00	56	48	8	0	0
07:00	127	102	25	0	0
08:00	106	81	25	0	0
09:00	111	82	27	0	2
10:00	81	45	34	2	0
11:00	90	62	26	1	1
12:00	87	57	28	1	1
13:00	81	60	21	0	0
14:00	114	87	27	0	0
15:00	128	95	31	1	1
16:00	147	124	21	2	0
17:00	150	131	19	0	0
18:00	74	65	8	1	0
19:00	41	37	4	0	0
20:00	24	18	5	1	0
21:00	16	15	1	0	0
22:00	15	14	1	0	0
23:00	2	0	2	0	0
Total					
12H(7-19)	1296	991	292	8	5
16H(6-22)	1433	1109	310	9	5
18H(6-24)	1450	1123	313	9	5
24H(0-24)	1473	1143	316	9	5
AM Peak	07:00	07:00	10:00	10:00	09:00
	127	102	34	2	2
PM Peak	17:00	17:00	15:00	16:00	12:00
	150	131	31	2	1

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	5	5	0	0	0
04:00	9	9	0	0	0
05:00	41	41	0	0	0
06:00	56	51	5	0	0
07:00	102	82	19	1	0
08:00	95	80	14	1	0
09:00	69	50	19	0	0
10:00	69	55	13	1	0
11:00	50	36	13	1	0
12:00	60	52	8	0	0
13:00	61	47	14	0	0
14:00	58	46	12	0	0
15:00	67	58	9	0	0
16:00	89	82	7	0	0
17:00	86	83	3	0	0
18:00	50	46	4	0	0
19:00	29	27	1	1	0
20:00	24	21	3	0	0
21:00	17	17	0	0	0
22:00	12	12	0	0	0
23:00	2	1	1	0	0
Total					
12H(7-19)	856	717	135	4	0
16H(6-22)	982	833	144	5	0
18H(6-24)	996	846	145	5	0
24H(0-24)	1055	905	145	5	0
AM Peak	07:00	07:00	07:00	07:00	00:00
	102	82	19	1	0
PM Peak	16:00	17:00	13:00	19:00	12:00
	89	83	14	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	4	4	0	0	0
02:00	2	2	0	0	0
03:00	7	6	1	0	0
04:00	14	13	1	0	0
05:00	54	53	1	0	0
06:00	112	99	13	0	0
07:00	229	184	44	1	0
08:00	201	161	39	1	0
09:00	180	132	46	0	2
10:00	150	100	47	3	0
11:00	140	98	39	2	1
12:00	147	109	36	1	1
13:00	142	107	35	0	0
14:00	172	133	39	0	0
15:00	195	153	40	1	1
16:00	236	206	28	2	0
17:00	236	214	22	0	0
18:00	124	111	12	1	0
19:00	70	64	5	1	0
20:00	48	39	8	1	0
21:00	33	32	1	0	0
22:00	27	26	1	0	0
23:00	4	1	3	0	0
Total					
12H(7-19)	2152	1708	427	12	5
16H(6-22)	2415	1942	454	14	5
18H(6-24)	2446	1969	458	14	5
24H(0-24)	2528	2048	461	14	5
AM Peak	07:00	07:00	10:00	10:00	09:00
	229	184	47	3	2
PM Peak	16:00	17:00	15:00	16:00	12:00
	236	214	40	2	1

Paul Castle Associates

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

06/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	2	48.7	45.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
03:00	1	-	47.5	-	0	0	0	0	0	0	0	1	0	0	0	0
04:00	6	43.4	39.2	4.1	0	0	0	0	1	2	3	0	0	0	0	0
05:00	15	48.0	41.8	5.9	0	0	0	0	2	2	9	1	0	1	0	0
06:00	65	48.8	41.2	7.3	0	1	0	1	11	14	16	18	2	2	0	0
07:00	135	43.2	36.3	6.7	0	1	8	12	29	51	21	12	1	0	0	0
08:00	122	45.6	38.8	6.5	0	0	0	5	36	31	31	13	5	0	1	0
09:00	78	44.0	36.9	6.9	0	1	2	8	17	27	14	7	2	0	0	0
10:00	72	43.3	34.8	8.2	0	5	0	12	16	23	11	2	3	0	0	0
11:00	94	40.5	34.3	6.0	0	0	0	27	28	22	13	3	1	0	0	0
12:00	92	43.7	35.9	7.5	0	1	5	12	24	24	19	5	1	0	1	0
13:00	77	42.7	35.8	6.7	0	1	3	7	24	25	11	4	2	0	0	0
14:00	99	43.1	36.4	6.4	0	0	4	11	28	24	23	9	0	0	0	0
15:00	132	43.3	36.8	6.2	0	0	3	16	30	43	30	7	3	0	0	0
16:00	174	42.6	35.0	7.3	2	8	3	15	44	61	37	4	0	0	0	0
17:00	168	43.3	36.0	7.0	0	1	6	20	48	59	17	10	6	0	1	0
18:00	74	45.6	38.3	7.0	0	1	1	5	14	23	20	6	4	0	0	0
19:00	48	45.0	38.5	6.3	0	0	0	4	9	17	12	3	3	0	0	0
20:00	24	44.0	38.5	5.3	0	0	0	1	4	12	3	4	0	0	0	0
21:00	22	44.0	38.2	5.6	0	0	1	0	4	9	6	2	0	0	0	0
22:00	10	42.4	35.0	7.2	0	0	0	2	4	3	0	0	1	0	0	0
23:00	5	54.8	47.5	7.1	0	0	0	0	0	1	0	3	0	1	0	0
Total																
2H(10-12)	166	41.8	34.5	7.0	0	5	0	39	44	45	24	5	4	0	0	0
2H(14-16)	231	43.2	36.7	6.3	0	0	7	27	58	67	53	16	3	0	0	0
12H(7-19)	1317	43.5	36.3	7.0	2	19	35	150	338	413	247	82	28	0	3	0
24H(0-24)	1516	44.0	36.7	7.0	2	20	36	158	374	473	297	115	34	4	3	0
AM Peak	07:00 135	06:00 48.8	03:00 47.5	10:00 8.2	00:00 0	10:00 5	07:00 8	11:00 27	08:00 36	07:00 51	08:00 31	06:00 18	08:00 5	06:00 2	08:00 1	00:00 0
PM Peak	16:00 174	23:00 54.8	23:00 47.5	12:00 7.5	16:00 2	16:00 8	17:00 6	17:00 20	17:00 48	16:00 61	16:00 37	17:00 10	17:00 6	23:00 1	12:00 1	12:00 0

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	3	37.5	37.5	0.0	0	0	0	0	0	3	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	-	47.5	-	0	0	0	0	0	0	0	1	0	0	0	0
04:00	7	45.4	38.9	6.3	0	0	0	1	0	3	2	1	0	0	0	0
05:00	38	43.2	38.0	5.0	0	0	0	0	11	16	9	0	2	0	0	0
06:00	63	42.0	36.6	5.2	0	0	1	2	19	31	8	0	1	1	0	0
07:00	103	40.3	35.9	4.2	0	0	1	4	37	47	12	2	0	0	0	0
08:00	111	42.9	36.8	5.8	0	0	1	10	32	39	22	3	4	0	0	0
09:00	46	41.0	33.5	7.2	1	1	0	8	19	10	6	0	1	0	0	0
10:00	69	41.1	33.7	7.2	0	3	0	15	23	22	0	5	0	1	0	0
11:00	51	39.2	33.7	5.3	0	1	1	7	21	18	2	1	0	0	0	0
12:00	47	39.4	34.1	5.1	0	0	2	5	23	11	5	1	0	0	0	0
13:00	66	39.0	33.4	5.4	0	2	2	6	32	19	5	0	0	0	0	0
14:00	70	39.1	33.3	5.6	0	1	3	11	30	20	4	0	1	0	0	0
15:00	94	40.9	33.7	7.0	0	4	6	10	34	25	13	1	1	0	0	0
16:00	105	39.7	35.4	4.2	0	0	1	7	41	43	13	0	0	0	0	0
17:00	95	40.6	35.8	4.6	0	0	0	9	31	41	11	3	0	0	0	0
18:00	49	42.7	36.6	5.9	0	1	0	1	19	15	9	4	0	0	0	0
19:00	35	40.5	36.6	3.7	0	0	0	1	10	18	6	0	0	0	0	0
20:00	23	40.2	34.0	5.9	0	0	2	3	7	9	1	1	0	0	0	0
21:00	16	39.4	33.1	6.0	0	0	1	4	5	5	0	1	0	0	0	0
22:00	12	41.0	36.7	4.2	0	0	0	0	5	4	3	0	0	0	0	0
23:00	5	38.3	35.5	2.7	0	0	0	0	2	3	0	0	0	0	0	0
Total																
2H(10-12)	120	40.3	33.7	6.4	0	4	1	22	44	40	2	6	0	1	0	0
2H(14-16)	164	40.1	33.5	6.4	0	5	9	21	64	45	17	1	2	0	0	0
12H(7-19)	906	40.8	34.9	5.7	1	13	17	93	342	310	102	20	7	1	0	0
24H(0-24)	1109	41.0	35.2	5.6	1	13	21	104	401	402	131	24	10	2	0	0
AM Peak	08:00 111	04:00 45.4	03:00 47.5	10:00 7.2	09:00 1	10:00 3	06:00 1	10:00 15	07:00 37	07:00 47	08:00 22	10:00 5	08:00 4	06:00 1	00:00 0	00:00 0
PM Peak	16:00 105	18:00 42.7	22:00 36.7	15:00 7.0	12:00 0	15:00 4	15:00 6	14:00 11	16:00 41	16:00 43	15:00 13	18:00 4	14:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	3	37.5	37.5	0.0	0	0	0	0	0	3	0	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	2	48.7	45.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
03:00	2	47.5	47.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
04:00	13	44.4	39.0	5.2	0	0	0	1	1	5	5	1	0	0	0	0
05:00	53	44.8	39.1	5.5	0	0	0	0	13	18	18	1	2	1	0	0
06:00	128	46.0	39.0	6.7	0	1	1	3	30	45	24	18	3	3	0	0
07:00	238	42.1	36.1	5.7	0	1	9	16	66	98	33	14	1	0	0	0
08:00	233	44.3	37.9	6.3	0	0	1	15	68	70	53	16	9	0	1	0
09:00	124	43.1	35.6	7.1	1	2	2	16	36	37	20	7	3	0	0	0
10:00	141	42.3	34.3	7.7	0	8	0	27	39	45	11	7	3	1	0	0
11:00	145	40.0	34.1	5.7	0	1	1	34	49	40	15	4	1	0	0	0
12:00	139	42.4	35.3	6.8	0	1	7	17	47	35	24	6	1	0	1	0
13:00	143	41.1	34.7	6.2	0	3	5	13	56	44	16	4	2	0	0	0
14:00	169	41.6	35.1	6.3	0	1	7	22	58	44	27	9	1	0	0	0
15:00	226	42.5	35.5	6.7	0	4	9	26	64	68	43	8	4	0	0	0
16:00	279	41.7	35.2	6.3	2	8	4	22	85	104	50	4	0	0	0	0
17:00	263	42.4	35.9	6.2	0	1	6	29	79	100	28	13	6	0	1	0
18:00	123	44.5	37.7	6.6	0	2	1	6	33	38	29	10	4	0	0	0
19:00	83	43.3	37.7	5.4	0	0	0	5	19	35	18	3	3	0	0	0
20:00	47	42.6	36.3	6.0	0	0	2	4	11	21	4	5	0	0	0	0
21:00	38	42.5	36.1	6.3	0	0	2	4	9	14	6	3	0	0	0	0
22:00	22	41.8	35.9	5.6	0	0	0	2	9	7	3	0	1	0	0	0
23:00	10	49.9	41.5	8.1	0	0	0	0	2	4	0	3	0	1	0	0
Total																
2H(10-12)	286	41.2	34.2	6.8	0	9	1	61	88	85	26	11	4	1	0	0
2H(14-16)	395	42.1	35.4	6.5	0	5	16	48	122	112	70	17	5	0	0	0
12H(7-19)	2223	42.4	35.7	6.5	3	32	52	243	680	723	349	102	35	1	3	0
24H(0-24)	2625	42.8	36.1	6.5	3	33	57	262	775	875	428	139	44	6	3	0
AM Peak	07:00	02:00	03:00	10:00	09:00	10:00	07:00	11:00	08:00	07:00	08:00	06:00	08:00	06:00	08:00	00:00
	238	48.7	47.5	7.7	1	8	9	34	68	98	53	18	9	3	1	0
PM Peak	16:00	23:00	23:00	23:00	16:00	16:00	15:00	17:00	16:00	16:00	16:00	17:00	17:00	23:00	12:00	12:00
	279	49.9	41.5	8.1	2	8	9	29	85	104	50	13	6	1	1	0

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

07/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	1	-	37.5	-	0	0	0	0	0	1	0	0	0	0	0	0
01:00	2	43.7	40.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	1	-	42.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	1	-	37.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	9	50.7	40.3	10.0	0	0	1	0	2	0	4	1	0	1	0	0
05:00	13	47.8	39.4	8.0	0	0	0	1	4	2	3	1	2	0	0	0
06:00	55	47.0	42.0	4.9	0	0	0	1	0	19	23	8	4	0	0	0
07:00	123	44.0	38.5	5.3	0	0	4	3	16	52	39	8	1	0	0	0
08:00	116	44.2	37.2	6.8	0	2	2	12	18	48	23	7	4	0	0	0
09:00	77	45.5	38.2	7.1	1	1	0	4	13	28	20	8	2	0	0	0
10:00	95	44.3	37.5	6.5	0	0	2	9	21	32	22	5	3	1	0	0
11:00	92	45.7	37.2	8.2	0	0	2	11	28	24	18	3	2	1	3	0
12:00	94	41.8	35.1	6.4	0	2	3	13	23	35	15	2	1	0	0	0
13:00	81	43.1	36.3	6.6	0	0	4	9	21	23	19	4	0	1	0	0
14:00	110	43.5	37.1	6.2	0	0	1	6	39	34	22	5	1	1	1	0
15:00	123	43.1	36.0	6.8	0	3	4	13	29	37	31	5	1	0	0	0
16:00	144	44.6	38.7	5.7	0	0	1	8	25	54	37	16	3	0	0	0
17:00	166	44.0	37.9	5.9	0	0	1	6	46	61	39	8	2	2	1	0
18:00	64	47.3	37.5	9.4	0	4	2	4	10	17	19	4	2	1	1	0
19:00	33	45.1	36.9	7.9	0	0	2	6	3	12	5	3	2	0	0	0
20:00	32	47.8	39.3	8.2	0	1	0	0	10	6	8	4	2	1	0	0
21:00	23	45.5	39.5	5.8	0	0	0	1	2	12	5	1	2	0	0	0
22:00	12	44.0	37.9	5.8	0	0	0	1	2	6	1	2	0	0	0	0
23:00	2	49.8	42.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
Total																
2H(10-12)	187	45.0	37.4	7.4	0	0	4	20	49	56	40	8	5	2	3	0
2H(14-16)	233	43.3	36.5	6.5	0	3	5	19	68	71	53	10	2	1	1	0
12H(7-19)	1285	44.3	37.3	6.7	1	12	26	98	289	445	304	75	22	7	6	0
24H(0-24)	1469	44.6	37.6	6.7	1	13	29	108	312	506	355	96	34	9	6	0
AM Peak	07:00 123	04:00 50.7	02:00 42.5	04:00 10.0	09:00 1	08:00 2	07:00 4	08:00 12	11:00 28	07:00 52	07:00 39	06:00 8	06:00 4	04:00 1	11:00 3	00:00 0
PM Peak	17:00 166	23:00 49.8	23:00 42.5	18:00 9.4	12:00 0	18:00 4	13:00 4	12:00 13	17:00 46	17:00 61	17:00 39	16:00 16	16:00 3	17:00 2	14:00 1	12:00 0

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	1	-	42.5	-	0	0	0	0	0	0	1	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	39.8	32.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
04:00	7	41.8	36.1	5.6	0	0	0	1	2	2	2	0	0	0	0	0
05:00	36	41.0	36.9	3.9	0	0	0	1	9	20	5	1	0	0	0	0
06:00	61	42.4	37.4	4.9	0	1	0	0	14	32	11	3	0	0	0	0
07:00	113	41.4	36.4	4.7	0	0	3	3	32	57	14	3	1	0	0	0
08:00	103	42.9	36.9	5.8	0	0	0	5	38	38	14	5	2	0	1	0
09:00	76	40.6	33.8	6.6	0	1	5	10	30	22	7	0	0	0	1	0
10:00	55	40.6	34.8	5.6	0	1	1	5	20	22	5	0	1	0	0	0
11:00	66	36.8	32.1	4.5	0	1	2	14	35	12	2	0	0	0	0	0
12:00	58	39.4	32.5	6.6	1	2	2	9	23	18	2	1	0	0	0	0
13:00	59	39.7	34.1	5.4	0	0	0	12	25	17	3	0	2	0	0	0
14:00	62	44.0	37.2	6.6	0	1	0	4	13	31	9	2	1	0	1	0
15:00	71	39.7	33.3	6.2	0	2	5	11	22	23	8	0	0	0	0	0
16:00	85	41.7	35.6	5.9	0	1	2	7	24	42	5	2	1	1	0	0
17:00	80	40.5	35.6	4.8	0	0	0	10	26	31	11	2	0	0	0	0
18:00	54	40.7	35.0	5.5	0	1	0	6	20	21	3	3	0	0	0	0
19:00	38	46.4	38.4	7.7	0	0	1	0	10	15	10	1	0	0	0	1
20:00	26	41.1	36.3	4.5	0	0	0	2	7	13	3	1	0	0	0	0
21:00	21	41.9	37.0	4.7	0	0	0	0	8	9	2	2	0	0	0	0
22:00	13	39.2	35.2	3.9	0	0	0	1	5	6	1	0	0	0	0	0
23:00	6	45.1	40.8	4.1	0	0	0	0	0	3	2	1	0	0	0	0
Total																
2H(10-12)	121	38.7	33.3	5.2	0	2	3	19	55	34	7	0	1	0	0	0
2H(14-16)	133	42.0	35.1	6.7	0	3	5	15	35	54	17	2	1	0	1	0
12H(7-19)	882	41.1	35.0	5.9	1	10	20	96	308	334	83	18	8	1	3	0
24H(0-24)	1093	41.4	35.4	5.8	1	11	21	102	363	435	120	27	8	1	3	1
AM Peak	07:00 113	08:00 42.9	00:00 42.5	03:00 7.1	00:00 0	06:00 1	09:00 5	11:00 14	08:00 38	07:00 57	07:00 14	08:00 5	08:00 2	00:00 0	08:00 1	00:00 0
PM Peak	16:00 85	19:00 46.4	23:00 40.8	19:00 7.7	12:00 1	12:00 2	15:00 5	13:00 12	17:00 26	16:00 42	17:00 11	18:00 3	13:00 2	16:00 1	14:00 1	19:00 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<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	2	43.7	40.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
01:00	2	43.7	40.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	1	-	42.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	3	40.2	34.2	5.8	0	0	0	1	0	2	0	0	0	0	0	0
04:00	16	47.2	38.4	8.4	0	0	1	1	4	2	6	1	0	1	0	0
05:00	49	43.1	37.6	5.4	0	0	0	2	13	22	8	2	2	0	0	0
06:00	116	45.1	39.5	5.4	0	1	0	1	14	51	34	11	4	0	0	0
07:00	236	42.8	37.5	5.2	0	0	7	6	48	109	53	11	2	0	0	0
08:00	219	43.6	37.0	6.3	0	2	2	17	56	86	37	12	6	0	1	0
09:00	153	43.4	36.0	7.2	1	2	5	14	43	50	27	8	2	0	1	0
10:00	150	43.1	36.5	6.3	0	1	3	14	41	54	27	5	4	1	0	0
11:00	158	42.7	35.1	7.3	0	1	4	25	63	36	20	3	2	1	3	0
12:00	152	41.0	34.1	6.6	1	4	5	22	46	53	17	3	1	0	0	0
13:00	140	41.8	35.4	6.2	0	0	4	21	46	40	22	4	2	1	0	0
14:00	172	43.7	37.1	6.3	0	1	1	10	52	65	31	7	2	1	2	0
15:00	194	42.0	35.0	6.7	0	5	9	24	51	60	39	5	1	0	0	0
16:00	229	43.7	37.5	5.9	0	1	3	15	49	96	42	18	4	1	0	0
17:00	246	43.0	37.1	5.7	0	0	1	16	72	92	50	10	2	2	1	0
18:00	118	44.6	36.4	8.0	0	5	2	10	30	38	22	7	2	1	1	0
19:00	71	45.7	37.7	7.8	0	0	3	6	13	27	15	4	2	0	0	1
20:00	58	45.2	38.0	6.9	0	1	0	2	17	19	11	5	2	1	0	0
21:00	44	43.9	38.3	5.4	0	0	0	1	10	21	7	3	2	0	0	0
22:00	25	41.7	36.5	5.0	0	0	0	2	7	12	2	2	0	0	0	0
23:00	8	45.8	41.3	4.4	0	0	0	0	0	4	2	2	0	0	0	0
Total																
2H(10-12)	308	42.9	35.8	6.9	0	2	7	39	104	90	47	8	6	2	3	0
2H(14-16)	366	42.9	36.0	6.6	0	6	10	34	103	125	70	12	3	1	2	0
12H(7-19)	2167	43.1	36.4	6.5	2	22	46	194	597	779	387	93	30	8	9	0
24H(0-24)	2562	43.4	36.7	6.5	2	24	50	210	675	941	475	123	42	10	9	1
AM Peak	07:00 236	04:00 47.2	02:00 42.5	04:00 8.4	09:00 1	08:00 2	07:00 7	11:00 25	11:00 63	07:00 109	07:00 53	08:00 12	08:00 6	04:00 1	11:00 3	00:00 0
PM Peak	17:00 246	23:00 45.8	23:00 41.3	18:00 8.0	12:00 1	15:00 5	15:00 9	15:00 24	17:00 72	16:00 96	17:00 50	16:00 18	16:00 4	17:00 2	14:00 2	19:00 1

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

08/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	3	42.7	37.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
01:00	1	-	37.5	-	0	0	0	0	0	1	0	0	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	2	42.5	42.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
04:00	4	48.7	43.8	4.8	0	0	0	0	0	1	1	2	0	0	0	0
05:00	14	48.2	41.4	6.6	0	0	0	1	1	3	5	3	1	0	0	0
06:00	55	46.2	41.3	4.7	0	0	0	0	3	21	19	10	2	0	0	0
07:00	116	44.2	38.6	5.4	0	0	2	2	27	35	39	10	1	0	0	0
08:00	104	44.2	38.8	5.2	0	0	0	5	19	37	32	10	1	0	0	0
09:00	84	41.5	35.7	5.5	0	1	1	5	31	32	10	3	1	0	0	0
10:00	101	41.8	34.8	6.8	0	1	2	19	38	20	13	5	3	0	0	0
11:00	74	43.1	36.1	6.7	0	1	2	11	13	30	10	6	1	0	0	0
12:00	97	41.5	34.9	6.3	0	1	4	13	35	20	20	4	0	0	0	0
13:00	88	43.4	34.8	8.3	0	5	3	13	21	26	13	4	2	1	0	0
14:00	103	44.4	38.1	6.1	0	0	1	9	19	37	25	9	3	0	0	0
15:00	120	44.6	37.7	6.7	0	1	2	10	26	39	27	12	2	1	0	0
16:00	164	43.5	35.9	7.3	0	3	12	15	33	54	37	7	2	1	0	0
17:00	178	44.4	37.1	7.0	0	2	2	17	44	59	41	6	4	1	2	0
18:00	76	45.0	39.1	5.7	0	0	1	1	17	23	24	8	2	0	0	0
19:00	47	44.0	37.6	6.2	0	0	2	4	8	13	17	3	0	0	0	0
20:00	36	44.5	37.3	6.9	0	1	0	2	9	13	8	1	2	0	0	0
21:00	24	46.3	39.4	6.7	0	0	0	2	3	9	6	3	0	1	0	0
22:00	14	42.3	36.1	6.0	0	0	1	1	3	5	4	0	0	0	0	0
23:00	5	42.8	38.5	4.2	0	0	0	0	1	2	2	0	0	0	0	0
Total																
2H(10-12)	175	42.4	35.4	6.8	0	2	4	30	51	50	23	11	4	0	0	0
2H(14-16)	223	44.5	37.9	6.4	0	1	3	19	45	76	52	21	5	1	0	0
12H(7-19)	1305	43.7	36.8	6.7	0	15	32	120	323	412	291	84	22	4	2	0
24H(0-24)	1511	44.0	37.1	6.6	0	16	35	130	352	482	356	106	27	5	2	0
AM Peak	07:00 116	04:00 48.7	04:00 43.8	10:00 6.8	00:00 0	09:00 1	07:00 2	10:00 19	10:00 38	08:00 37	07:00 39	06:00 10	10:00 3	00:00 0	00:00 0	00:00 0
PM Peak	17:00 178	21:00 46.3	21:00 39.4	13:00 8.3	12:00 0	13:00 5	16:00 12	17:00 17	17:00 44	17:00 59	17:00 41	15:00 12	17:00 4	13:00 1	17:00 2	12:00 0

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	2	38.7	35.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
01:00	1	-	32.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	3	37.7	32.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
04:00	4	41.3	38.8	2.5	0	0	0	0	0	3	1	0	0	0	0	0
05:00	32	45.4	37.9	7.2	0	1	0	0	9	12	7	1	1	1	0	0
06:00	65	41.6	37.2	4.2	0	0	1	2	12	36	13	1	0	0	0	0
07:00	112	42.6	36.7	5.7	0	0	0	11	34	40	19	6	1	1	0	0
08:00	106	42.1	35.8	6.0	0	2	1	8	37	35	17	5	1	0	0	0
09:00	66	39.8	33.6	5.9	0	2	0	12	27	19	3	3	0	0	0	0
10:00	59	38.7	33.5	5.0	0	1	0	12	23	20	2	1	0	0	0	0
11:00	65	39.2	33.6	5.4	0	1	1	10	33	11	8	1	0	0	0	0
12:00	62	39.6	33.2	6.1	0	2	2	14	16	22	6	0	0	0	0	0
13:00	58	41.4	34.7	6.5	0	1	1	11	18	15	10	1	1	0	0	0
14:00	80	42.1	36.6	5.3	0	0	1	5	26	28	16	3	1	0	0	0
15:00	83	41.4	35.7	5.5	0	0	1	11	26	29	11	5	0	0	0	0
16:00	93	42.5	36.3	6.1	0	2	0	5	33	32	14	6	1	0	0	0
17:00	83	41.5	37.0	4.3	0	0	0	4	20	42	14	3	0	0	0	0
18:00	64	42.1	36.2	5.7	0	1	1	3	19	28	9	2	1	0	0	0
19:00	39	40.7	34.9	5.6	0	1	1	3	12	17	5	0	0	0	0	0
20:00	21	39.8	36.1	3.6	0	0	0	0	8	12	0	1	0	0	0	0
21:00	20	38.8	34.0	4.6	0	0	0	3	10	6	0	1	0	0	0	0
22:00	18	41.4	36.1	5.1	0	0	0	2	5	8	2	1	0	0	0	0
23:00	3	42.7	37.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
Total																
2H(10-12)	124	39.0	33.5	5.2	0	2	1	22	56	31	10	2	0	0	0	0
2H(14-16)	163	41.8	36.2	5.4	0	0	2	16	52	57	27	8	1	0	0	0
12H(7-19)	931	41.4	35.5	5.8	0	12	8	106	312	321	129	36	6	1	0	0
24H(0-24)	1139	41.5	35.6	5.7	0	14	10	117	372	418	158	41	7	2	0	0
AM Peak	07:00 112	05:00 45.4	04:00 38.8	05:00 7.2	00:00 0	08:00 2	06:00 1	09:00 12	08:00 37	07:00 40	07:00 19	07:00 6	05:00 1	05:00 1	00:00 0	00:00 0
PM Peak	16:00 93	23:00 42.7	23:00 37.5	13:00 6.5	12:00 0	12:00 2	12:00 2	12:00 14	16:00 33	17:00 42	14:00 16	16:00 6	13:00 1	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	5	40.8	36.5	4.2	0	0	0	0	2	2	1	0	0	0	0	0
01:00	2	38.7	35.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
02:00	1	-	37.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	5	43.3	36.5	6.5	0	0	0	1	1	1	2	0	0	0	0	0
04:00	8	45.8	41.3	4.4	0	0	0	0	0	4	2	2	0	0	0	0
05:00	46	46.4	39.0	7.2	0	1	0	1	10	15	12	4	2	1	0	0
06:00	120	44.2	39.1	4.9	0	0	1	2	15	57	32	11	2	0	0	0
07:00	228	43.5	37.7	5.6	0	0	2	13	61	75	58	16	2	1	0	0
08:00	210	43.3	37.3	5.8	0	2	1	13	56	72	49	15	2	0	0	0
09:00	150	40.8	34.8	5.8	0	3	1	17	58	51	13	6	1	0	0	0
10:00	160	40.7	34.3	6.2	0	2	2	31	61	40	15	6	3	0	0	0
11:00	139	41.4	34.9	6.3	0	2	3	21	46	41	18	7	1	0	0	0
12:00	159	40.8	34.3	6.3	0	3	6	27	51	42	26	4	0	0	0	0
13:00	146	42.6	34.8	7.6	0	6	4	24	39	41	23	5	3	1	0	0
14:00	183	43.4	37.4	5.8	0	0	2	14	45	65	41	12	4	0	0	0
15:00	203	43.4	36.9	6.3	0	1	3	21	52	68	38	17	2	1	0	0
16:00	257	43.1	36.1	6.8	0	5	12	20	66	86	51	13	3	1	0	0
17:00	261	43.6	37.1	6.3	0	2	2	21	64	101	55	9	4	1	2	0
18:00	140	43.8	37.8	5.8	0	1	2	4	36	51	33	10	3	0	0	0
19:00	86	42.6	36.4	6.1	0	1	3	7	20	30	22	3	0	0	0	0
20:00	57	43.0	36.8	5.9	0	1	0	2	17	25	8	2	2	0	0	0
21:00	44	43.6	36.9	6.4	0	0	0	5	13	15	6	4	0	1	0	0
22:00	32	41.7	36.1	5.4	0	0	1	3	8	13	6	1	0	0	0	0
23:00	8	42.4	38.1	4.2	0	0	0	0	2	3	3	0	0	0	0	0
Total																
2H(10-12)	299	41.1	34.6	6.2	0	4	5	52	107	81	33	13	4	0	0	0
2H(14-16)	386	43.4	37.1	6.1	0	1	5	35	97	133	79	29	6	1	0	0
12H(7-19)	2236	42.8	36.3	6.3	0	27	40	226	635	733	420	120	28	5	2	0
24H(0-24)	2650	43.0	36.5	6.3	0	30	45	247	724	900	514	147	34	7	2	0
AM Peak	07:00 228	05:00 46.4	04:00 41.3	05:00 7.2	00:00 0	09:00 3	11:00 3	10:00 31	07:00 61	07:00 75	07:00 58	07:00 16	10:00 3	05:00 1	00:00 0	00:00 0
PM Peak	17:00 261	18:00 43.8	23:00 38.1	13:00 7.6	12:00 0	13:00 6	16:00 12	12:00 27	16:00 66	17:00 101	17:00 55	15:00 17	14:00 4	13:00 1	17:00 2	12:00 0

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

09/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	1	-	37.5	-	0	0	0	0	0	1	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	-	52.5	-	0	0	0	0	0	0	0	0	1	0	0	0
04:00	10	48.2	42.0	6.0	0	0	0	0	2	1	3	4	0	0	0	0
05:00	14	47.6	41.1	6.3	0	0	0	0	3	4	1	6	0	0	0	0
06:00	53	48.9	43.5	5.1	0	0	0	0	2	9	25	11	5	1	0	0
07:00	118	45.2	38.4	6.6	0	1	0	10	23	35	34	12	1	2	0	0
08:00	111	44.8	35.9	8.6	0	7	7	6	24	27	31	7	1	1	0	0
09:00	92	41.2	36.8	4.2	0	0	0	2	29	45	13	2	1	0	0	0
10:00	89	43.8	37.0	6.6	0	0	1	11	22	30	16	8	0	0	1	0
11:00	102	44.3	37.4	6.6	0	1	2	7	22	41	18	7	3	1	0	0
12:00	91	44.1	38.2	5.7	0	1	1	5	10	41	26	6	1	0	0	0
13:00	123	43.4	35.5	7.6	0	1	10	20	21	41	17	9	4	0	0	0
14:00	99	43.8	35.3	8.2	0	4	8	12	15	32	20	7	0	1	0	0
15:00	120	46.3	38.8	7.2	0	1	2	10	23	27	38	12	6	1	0	0
16:00	156	44.0	34.8	8.9	0	12	11	13	27	53	30	7	1	1	1	0
17:00	116	43.6	34.7	8.6	0	4	15	14	20	32	22	6	1	2	0	0
18:00	84	47.6	40.8	6.5	0	0	0	2	12	24	32	7	4	2	1	0
19:00	38	47.3	39.2	7.8	1	0	0	0	7	13	11	4	1	1	0	0
20:00	26	43.0	37.5	5.3	0	0	0	3	3	13	5	2	0	0	0	0
21:00	15	45.7	38.8	6.7	0	0	0	2	1	6	4	1	1	0	0	0
22:00	8	42.4	38.8	3.5	0	0	0	0	1	4	3	0	0	0	0	0
23:00	6	43.2	37.5	5.5	0	0	0	1	0	3	2	0	0	0	0	0
Total																
2H(10-12)	191	44.0	37.2	6.6	0	1	3	18	44	71	34	15	3	1	1	0
2H(14-16)	219	45.3	37.2	7.8	0	5	10	22	38	59	58	19	6	2	0	0
12H(7-19)	1301	44.6	36.8	7.5	0	32	57	112	248	428	297	90	23	11	3	0
24H(0-24)	1473	45.0	37.2	7.5	1	32	57	118	267	482	351	118	31	13	3	0
AM Peak	07:00	06:00	03:00	08:00	00:00	08:00	08:00	10:00	09:00	09:00	07:00	07:00	06:00	07:00	10:00	00:00
	118	48.9	52.5	8.6	0	7	7	11	29	45	34	12	5	2	1	0
PM Peak	16:00	18:00	18:00	16:00	19:00	16:00	17:00	13:00	16:00	16:00	15:00	15:00	15:00	17:00	16:00	12:00
	156	47.6	40.8	8.9	1	12	15	20	27	53	38	12	6	2	1	0

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	1	-	15.0	-	0	1	0	0	0	0	0	0	0	0	0	0
01:00	2	37.5	37.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
02:00	1	-	42.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	3	38.8	35.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
04:00	7	47.3	41.8	5.3	0	0	0	0	1	1	3	2	0	0	0	0
05:00	35	43.1	38.1	4.8	0	0	0	2	5	17	10	0	1	0	0	0
06:00	45	41.0	35.9	4.9	0	0	0	4	15	19	6	0	1	0	0	0
07:00	91	43.2	37.9	5.1	0	0	1	1	23	40	19	6	0	1	0	0
08:00	92	41.1	36.1	4.8	0	0	0	7	32	38	11	3	1	0	0	0
09:00	63	39.8	33.3	6.2	0	1	2	16	21	15	5	3	0	0	0	0
10:00	82	40.7	34.3	6.2	0	2	1	17	22	27	11	2	0	0	0	0
11:00	60	40.5	33.9	6.4	1	1	0	9	22	23	2	1	1	0	0	0
12:00	69	41.6	35.8	5.5	0	0	1	7	23	25	11	1	0	1	0	0
13:00	70	41.5	34.7	6.6	0	1	4	6	29	18	7	4	1	0	0	0
14:00	65	42.4	37.3	5.0	0	0	0	5	15	26	16	3	0	0	0	0
15:00	76	40.3	35.4	4.7	0	0	0	6	35	23	9	3	0	0	0	0
16:00	109	42.7	36.8	5.7	0	1	1	2	37	46	13	7	1	1	0	0
17:00	78	42.4	36.6	5.6	0	0	2	5	22	31	13	4	1	0	0	0
18:00	53	41.2	36.4	4.7	0	0	0	4	16	23	8	2	0	0	0	0
19:00	32	43.9	37.7	6.0	0	0	0	1	11	11	6	2	0	1	0	0
20:00	21	43.9	37.3	6.4	0	0	0	1	8	7	3	0	2	0	0	0
21:00	15	40.7	36.8	3.7	0	0	0	1	2	10	2	0	0	0	0	0
22:00	8	39.8	35.0	4.6	0	0	0	1	3	3	1	0	0	0	0	0
23:00	6	39.1	32.5	6.3	0	0	1	0	4	0	1	0	0	0	0	0
Total																
2H(10-12)	142	40.6	34.1	6.3	1	3	1	26	44	50	13	3	1	0	0	0
2H(14-16)	141	41.3	36.3	4.9	0	0	0	11	50	49	25	6	0	0	0	0
12H(7-19)	908	41.7	35.8	5.7	1	6	12	85	297	335	125	39	5	3	0	0
24H(0-24)	1084	41.9	36.0	5.7	1	7	13	95	347	407	158	43	9	4	0	0
AM Peak	08:00	04:00	02:00	11:00	11:00	10:00	09:00	10:00	08:00	07:00	07:00	07:00	05:00	07:00	00:00	00:00
	92	47.3	42.5	6.4	1	2	2	17	32	40	19	6	1	1	0	0
PM Peak	16:00	20:00	19:00	13:00	12:00	13:00	13:00	12:00	16:00	16:00	14:00	16:00	20:00	12:00	12:00	12:00
	109	43.9	37.7	6.6	0	1	4	7	37	46	16	7	2	1	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	2	42.7	26.3	15.9	0	1	0	0	0	1	0	0	0	0	0	0
01:00	2	37.5	37.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
02:00	1	-	42.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	4	49.0	40.0	8.7	0	0	0	0	1	2	0	0	1	0	0	0
04:00	17	47.7	41.9	5.6	0	0	0	0	3	2	6	6	0	0	0	0
05:00	49	44.5	38.9	5.4	0	0	0	2	8	21	11	6	1	0	0	0
06:00	98	46.5	40.1	6.3	0	0	0	4	17	28	31	11	6	1	0	0
07:00	209	44.4	38.2	6.0	0	1	1	11	46	75	53	18	1	3	0	0
08:00	203	43.3	36.0	7.1	0	7	7	13	56	65	42	10	2	1	0	0
09:00	155	41.0	35.4	5.4	0	1	2	18	50	60	18	5	1	0	0	0
10:00	171	42.4	35.7	6.5	0	2	2	28	44	57	27	10	0	0	1	0
11:00	162	43.1	36.1	6.7	1	2	2	16	44	64	20	8	4	1	0	0
12:00	160	43.1	37.2	5.7	0	1	2	12	33	66	37	7	1	1	0	0
13:00	193	42.7	35.2	7.2	0	2	14	26	50	59	24	13	5	0	0	0
14:00	164	43.5	36.1	7.1	0	4	8	17	30	58	36	10	0	1	0	0
15:00	196	44.3	37.5	6.6	0	1	2	16	58	50	47	15	6	1	0	0
16:00	265	43.7	35.7	7.8	0	13	12	15	64	99	43	14	2	2	1	0
17:00	194	43.3	35.4	7.6	0	4	17	19	42	63	35	10	2	2	0	0
18:00	137	45.6	39.1	6.2	0	0	0	6	28	47	40	9	4	2	1	0
19:00	70	45.8	38.5	7.0	1	0	0	1	18	24	17	6	1	2	0	0
20:00	47	43.4	37.4	5.8	0	0	0	4	11	20	8	2	2	0	0	0
21:00	30	43.4	37.8	5.4	0	0	0	3	3	16	6	1	1	0	0	0
22:00	16	41.5	36.9	4.4	0	0	0	1	4	7	4	0	0	0	0	0
23:00	12	41.4	35.0	6.2	0	0	1	1	4	3	3	0	0	0	0	0
Total																
2H(10-12)	333	42.8	35.9	6.6	1	4	4	44	88	121	47	18	4	1	1	0
2H(14-16)	360	43.9	36.8	6.9	0	5	10	33	88	108	83	25	6	2	0	0
12H(7-19)	2209	43.5	36.4	6.9	1	38	69	197	545	763	422	129	28	14	3	0
24H(0-24)	2557	43.8	36.7	6.8	2	39	70	213	614	889	509	161	40	17	3	0
AM Peak	07:00 209	03:00 49.0	02:00 42.5	00:00 15.9	11:00 1	08:00 7	08:00 7	10:00 28	08:00 56	07:00 75	07:00 53	07:00 18	06:00 6	07:00 3	10:00 1	00:00 0
PM Peak	16:00 265	19:00 45.8	18:00 39.1	16:00 7.8	19:00 1	16:00 13	17:00 17	13:00 26	16:00 64	16:00 99	15:00 47	15:00 15	15:00 6	16:00 2	16:00 1	12:00 0

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

10/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	11	48.9	41.6	7.0	0	0	0	0	2	3	3	1	2	0	0	0
01:00	2	38.7	35.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
02:00	6	40.6	36.7	3.8	0	0	0	0	2	3	1	0	0	0	0	0
03:00	1	-	32.5	-	0	0	0	0	1	0	0	0	0	0	0	0
04:00	3	42.5	42.5	0.0	0	0	0	0	0	0	3	0	0	0	0	0
05:00	8	47.3	41.3	5.8	0	0	0	0	1	2	4	0	1	0	0	0
06:00	18	49.9	41.0	8.6	0	1	0	0	2	4	4	6	1	0	0	0
07:00	31	46.8	38.1	8.3	0	2	1	0	5	6	13	4	0	0	0	0
08:00	59	45.4	37.7	7.5	0	2	0	2	14	25	8	4	3	1	0	0
09:00	82	45.2	37.4	7.5	0	4	0	4	18	25	20	10	1	0	0	0
10:00	65	45.6	35.8	9.4	0	8	1	1	10	25	12	7	1	0	0	0
11:00	84	44.4	34.1	9.9	0	13	1	8	13	22	20	7	0	0	0	0
12:00	109	40.6	29.1	11.1	0	32	12	6	14	29	11	4	0	1	0	0
13:00	129	41.2	29.5	11.3	0	37	12	12	16	29	12	9	2	0	0	0
14:00	152	36.1	25.2	10.6	1	63	22	8	23	21	9	4	1	0	0	0
15:00	141	35.0	24.1	10.4	0	67	21	6	17	17	10	2	1	0	0	0
16:00	82	43.5	30.1	12.9	0	30	4	1	7	17	13	8	2	0	0	0
17:00	76	46.2	37.8	8.2	0	4	1	4	16	16	22	12	1	0	0	0
18:00	55	46.8	36.5	9.9	0	4	3	5	8	17	7	7	3	1	0	0
19:00	37	47.2	38.8	8.2	0	1	1	2	4	15	7	4	2	1	0	0
20:00	13	46.8	40.6	6.0	0	0	0	0	2	5	3	2	1	0	0	0
21:00	14	43.6	39.3	4.2	0	0	0	0	2	6	5	1	0	0	0	0
22:00	12	48.4	39.2	8.9	0	0	0	2	3	2	0	4	1	0	0	0
23:00	7	50.7	40.4	9.9	0	0	0	2	0	1	1	2	1	0	0	0
Total																
2H(10-12)	149	44.9	34.9	9.7	0	21	2	9	23	47	32	14	1	0	0	0
2H(14-16)	293	35.6	24.7	10.5	1	130	43	14	40	38	19	6	2	0	0	0
12H(7-19)	1065	43.0	31.2	11.3	1	266	78	57	161	249	157	78	15	3	0	0
24H(0-24)	1197	43.8	32.1	11.3	1	268	79	63	181	291	188	98	24	4	0	0
AM Peak	11:00	06:00	04:00	11:00	00:00	11:00	07:00	11:00	09:00	08:00	09:00	09:00	08:00	08:00	00:00	00:00
	84	49.9	42.5	9.9	0	13	1	8	18	25	20	10	3	1	0	0
PM Peak	14:00	23:00	20:00	16:00	14:00	15:00	14:00	13:00	14:00	12:00	17:00	17:00	18:00	12:00	12:00	12:00
	152	50.7	40.6	12.9	1	67	22	12	23	29	22	12	3	1	0	0

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	7	46.3	36.1	9.9	0	0	1	1	1	2	1	0	1	0	0	0
01:00	2	32.5	32.5	0.0	0	0	0	0	2	0	0	0	0	0	0	0
02:00	2	37.5	37.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
03:00	2	37.5	37.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
04:00	2	42.5	42.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
05:00	22	42.0	36.0	5.8	0	1	0	0	5	14	1	1	0	0	0	0
06:00	14	47.3	38.8	8.2	0	0	0	0	4	7	2	0	0	0	1	0
07:00	46	41.9	36.4	5.3	0	0	0	4	14	20	5	2	1	0	0	0
08:00	57	42.8	34.7	7.8	0	4	1	4	19	17	10	1	0	1	0	0
09:00	46	41.4	33.8	7.4	0	4	0	6	11	18	7	0	0	0	0	0
10:00	50	42.4	36.2	6.0	0	1	0	3	18	17	8	2	1	0	0	0
11:00	51	41.5	33.7	7.5	1	2	1	6	19	14	7	0	1	0	0	0
12:00	83	40.0	34.2	5.6	1	1	0	10	33	29	9	0	0	0	0	0
13:00	58	42.4	35.3	6.8	0	1	2	7	19	16	10	1	2	0	0	0
14:00	42	41.2	36.4	4.6	0	0	0	1	17	16	7	0	1	0	0	0
15:00	45	40.0	35.5	4.3	0	0	0	2	22	14	6	1	0	0	0	0
16:00	39	43.7	36.7	6.7	0	0	1	1	15	15	4	2	0	0	1	0
17:00	43	42.0	36.1	5.7	0	0	0	5	14	16	6	0	2	0	0	0
18:00	29	42.7	37.2	5.3	0	0	0	4	4	12	8	1	0	0	0	0
19:00	23	41.6	36.8	4.6	0	0	0	0	8	12	2	0	1	0	0	0
20:00	10	40.3	36.0	4.1	0	0	0	1	2	6	1	0	0	0	0	0
21:00	10	37.5	34.0	3.4	0	0	0	1	5	4	0	0	0	0	0	0
22:00	12	44.2	38.8	5.3	0	0	0	1	1	5	4	1	0	0	0	0
23:00	8	42.4	38.1	4.2	0	0	0	0	2	3	3	0	0	0	0	0
Total																
2H(10-12)	101	42.1	34.9	6.9	1	3	1	9	37	31	15	2	2	0	0	0
2H(14-16)	87	40.6	35.9	4.5	0	0	0	3	39	30	13	1	1	0	0	0
12H(7-19)	589	41.8	35.3	6.3	2	13	5	53	205	204	87	10	8	1	1	0
24H(0-24)	703	42.0	35.6	6.2	2	14	6	57	235	261	103	12	10	1	2	0
AM Peak	08:00	06:00	04:00	00:00	11:00	08:00	00:00	09:00	08:00	07:00	08:00	07:00	00:00	08:00	06:00	00:00
	57	47.3	42.5	9.9	1	4	1	6	19	20	10	2	1	1	1	0
PM Peak	12:00	22:00	22:00	13:00	12:00	12:00	13:00	12:00	12:00	12:00	13:00	16:00	13:00	12:00	16:00	12:00
	83	44.2	38.8	6.8	1	1	2	10	33	29	10	2	2	0	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	18	48.2	39.4	8.4	0	0	1	1	3	5	4	1	3	0	0	0
01:00	4	36.3	33.8	2.5	0	0	0	0	3	1	0	0	0	0	0	0
02:00	8	40.2	36.9	3.2	0	0	0	0	2	5	1	0	0	0	0	0
03:00	3	38.8	35.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
04:00	5	42.5	42.5	0.0	0	0	0	0	0	0	5	0	0	0	0	0
05:00	30	43.8	37.4	6.2	0	1	0	0	6	16	5	1	1	0	0	0
06:00	32	48.7	40.0	8.4	0	1	0	0	6	11	6	6	1	0	1	0
07:00	77	44.0	37.1	6.7	0	2	1	4	19	26	18	6	1	0	0	0
08:00	116	44.2	36.2	7.8	0	6	1	6	33	42	18	5	3	2	0	0
09:00	128	44.1	36.1	7.7	0	8	0	10	29	43	27	10	1	0	0	0
10:00	115	44.3	36.0	8.1	0	9	1	4	28	42	20	9	2	0	0	0
11:00	135	43.4	34.0	9.1	1	15	2	14	32	36	27	7	1	0	0	0
12:00	192	41.1	31.3	9.4	1	33	12	16	47	58	20	4	0	1	0	0
13:00	187	42.2	31.3	10.5	0	38	14	19	35	45	22	10	4	0	0	0
14:00	194	38.7	27.6	10.7	1	63	22	9	40	37	16	4	2	0	0	0
15:00	186	37.8	26.9	10.5	0	67	21	8	39	31	16	3	1	0	0	0
16:00	121	44.3	32.2	11.7	0	30	5	2	22	32	17	10	2	0	1	0
17:00	119	44.8	37.2	7.4	0	4	1	9	30	32	28	12	3	0	0	0
18:00	84	45.6	36.7	8.6	0	4	3	9	12	29	15	8	3	1	0	0
19:00	60	45.3	38.0	7.0	0	1	1	2	12	27	9	4	3	1	0	0
20:00	23	44.4	38.6	5.6	0	0	0	1	4	11	4	2	1	0	0	0
21:00	24	41.9	37.1	4.6	0	0	0	1	7	10	5	1	0	0	0	0
22:00	24	46.4	39.0	7.1	0	0	0	3	4	7	4	5	1	0	0	0
23:00	15	46.7	39.2	7.2	0	0	0	2	2	4	4	2	1	0	0	0
Total																
2H(10-12)	250	43.9	34.9	8.7	1	24	3	18	60	78	47	16	3	0	0	0</

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

11/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	2	56.0	45.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
01:00	2	43.7	40.0	3.5	0	0	0	0	0	1	1	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	1	0	0	0	0	0
04:00	2	51.0	40.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
05:00	6	48.5	40.0	8.2	0	0	0	1	0	2	2	0	1	0	0	0
06:00	7	46.5	34.3	11.8	0	1	0	1	2	1	1	0	1	0	0	0
07:00	9	47.2	40.8	6.1	0	0	0	0	2	1	5	0	1	0	0	0
08:00	28	42.5	33.8	8.4	0	2	2	3	8	7	5	0	1	0	0	0
09:00	43	47.7	39.1	8.3	0	2	1	1	5	12	14	5	3	0	0	0
10:00	59	46.2	38.1	7.9	0	2	2	1	12	18	16	5	2	1	0	0
11:00	72	45.4	37.8	7.3	0	2	3	2	12	25	18	9	1	0	0	0
12:00	85	42.6	34.5	7.8	0	3	7	13	17	26	14	3	2	0	0	0
13:00	70	44.7	36.0	8.4	0	4	5	2	12	29	11	4	3	0	0	0
14:00	84	44.5	37.3	7.0	0	0	4	9	17	22	24	6	1	1	0	0
15:00	75	41.4	33.6	7.6	0	4	5	11	22	18	12	3	0	0	0	0
16:00	63	43.0	35.1	7.7	1	3	0	5	15	30	6	2	0	1	0	0
17:00	80	41.9	35.8	6.0	0	0	4	6	28	22	17	2	1	0	0	0
18:00	68	44.3	35.7	8.3	0	1	6	12	13	10	20	3	3	0	0	0
19:00	24	47.6	40.6	6.7	0	0	0	1	2	10	7	1	2	1	0	0
20:00	18	46.0	40.0	5.8	0	0	0	1	1	8	5	2	1	0	0	0
21:00	16	45.0	39.1	5.7	0	0	0	1	4	1	9	1	0	0	0	0
22:00	7	38.5	32.5	5.8	0	0	0	3	2	1	1	0	0	0	0	0
23:00	1	-	32.5	-	0	0	0	0	1	0	0	0	0	0	0	0
Total																
2H(10-12)	131	45.7	38.0	7.5	0	4	5	3	24	43	34	14	3	1	0	0
2H(14-16)	159	43.3	35.5	7.5	0	4	9	20	39	40	36	9	1	1	0	0
12H(7-19)	736	44.1	36.1	7.7	1	23	39	65	163	220	162	42	18	3	0	0
24H(0-24)	822	44.4	36.4	7.7	1	24	39	73	176	245	189	47	24	4	0	0
AM Peak	11:00	00:00	00:00	06:00	00:00	08:00	11:00	08:00	10:00	11:00	11:00	11:00	09:00	10:00	00:00	00:00
	72	56.0	45.0	11.8	0	2	3	3	12	25	18	9	3	1	0	0
PM Peak	12:00	19:00	19:00	13:00	16:00	13:00	12:00	12:00	17:00	16:00	14:00	14:00	13:00	14:00	12:00	12:00
	85	47.6	40.6	8.4	1	4	7	13	28	30	24	6	3	1	0	0

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	3	38.8	35.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
01:00	3	37.2	34.2	2.9	0	0	0	0	2	1	0	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	1	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	13	38.7	36.7	1.9	0	0	0	0	2	11	0	0	0	0	0	0
06:00	9	50.9	39.4	11.0	0	1	0	0	1	2	2	1	0	0	0	0
07:00	23	38.9	32.4	6.3	0	1	1	6	5	9	1	0	0	0	0	0
08:00	48	42.7	35.9	6.5	0	2	0	2	15	19	8	1	1	0	0	0
09:00	54	44.8	37.0	7.5	0	2	1	2	11	25	9	0	3	1	0	0
10:00	46	43.2	34.7	8.1	1	3	0	2	14	16	8	2	0	0	0	0
11:00	41	43.1	36.3	6.6	0	2	1	0	9	19	9	1	0	0	0	0
12:00	40	42.6	34.6	7.7	0	3	1	2	12	16	4	1	1	0	0	0
13:00	52	43.4	36.0	7.2	0	2	0	4	15	22	5	2	1	1	0	0
14:00	32	42.4	35.9	6.3	0	0	0	4	11	13	1	2	0	1	0	0
15:00	46	40.8	34.7	5.8	0	1	0	6	17	17	2	3	0	0	0	0
16:00	36	43.1	35.3	7.5	1	0	1	3	11	14	3	2	1	0	0	0
17:00	38	41.1	35.7	5.3	0	0	0	4	12	19	2	0	0	1	0	0
18:00	29	45.4	36.4	8.6	1	0	0	1	10	10	6	0	0	0	1	0
19:00	22	40.7	34.5	5.9	0	0	0	7	4	6	5	0	0	0	0	0
20:00	23	39.3	34.5	4.7	0	0	0	4	9	7	3	0	0	0	0	0
21:00	8	41.1	34.4	6.5	0	0	0	2	3	2	0	1	0	0	0	0
22:00	11	43.4	35.0	8.1	0	1	0	1	2	4	3	0	0	0	0	0
23:00	4	38.7	33.8	4.8	0	0	0	1	1	2	0	0	0	0	0	0
Total																
2H(10-12)	87	43.2	35.5	7.4	1	5	1	2	23	35	17	3	0	0	0	0
2H(14-16)	78	41.4	35.2	6.0	0	1	0	10	28	30	3	5	0	1	0	0
12H(7-19)	485	42.8	35.5	7.0	3	16	5	36	142	199	58	14	7	4	1	0
24H(0-24)	582	42.6	35.5	6.9	3	18	5	51	168	236	71	17	8	4	1	0
AM Peak	09:00	06:00	06:00	06:00	10:00	10:00	07:00	07:00	08:00	09:00	09:00	06:00	09:00	09:00	00:00	00:00
	54	50.9	39.4	11.0	1	3	1	6	15	25	9	2	3	1	0	0
PM Peak	13:00	18:00	18:00	18:00	16:00	12:00	12:00	19:00	15:00	13:00	18:00	15:00	12:00	13:00	18:00	12:00
	52	45.4	36.4	8.6	1	3	1	7	17	22	6	3	1	1	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	5	47.4	39.5	7.6	0	0	0	0	1	3	0	0	1	0	0	0
01:00	5	40.8	36.5	4.2	0	0	0	0	2	2	1	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	2	44.8	37.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
04:00	2	51.0	40.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
05:00	19	42.8	37.8	4.9	0	0	0	1	2	13	2	0	1	0	0	0
06:00	16	48.9	37.2	11.3	0	2	0	1	3	3	3	2	2	0	0	0
07:00	32	42.3	34.8	7.3	0	1	1	6	7	10	6	0	1	0	0	0
08:00	76	42.7	35.1	7.3	0	4	2	5	23	26	13	1	2	0	0	0
09:00	97	46.1	38.0	7.9	0	4	2	3	16	37	23	5	6	1	0	0
10:00	105	45.0	36.6	8.1	1	5	2	3	26	34	24	7	2	1	0	0
11:00	113	44.6	37.3	7.0	0	4	4	2	21	44	27	10	1	0	0	0
12:00	125	42.5	34.5	7.8	0	6	8	15	29	42	18	4	3	0	0	0
13:00	122	44.1	36.0	7.9	0	6	5	6	27	51	16	6	4	1	0	0
14:00	116	43.9	36.9	6.8	0	0	4	13	28	35	25	8	1	2	0	0
15:00	121	41.2	34.0	7.0	0	5	5	17	39	35	14	6	0	0	0	0
16:00	99	43.0	35.2	7.6	2	3	1	8	26	44	9	4	1	1	0	0
17:00	118	41.6	35.7	5.7	0	0	4	10	40	41	19	2	1	1	0	0
18:00	97	44.6	35.9	8.4	1	1	6	13	23	20	26	3	3	0	1	0
19:00	46	45.0	37.7	7.0	0	0	0	8	6	16	12	1	2	1	0	0
20:00	41	42.9	36.9	5.8	0	0	0	5	10	15	8	2	1	0	0	0
21:00	24	44.0	37.5	6.3	0	0	0	3	7	3	9	2	0	0	0	0
22:00	18	41.5	34.0	7.2	0	1	0	4	4	5	4	0	0	0	0	0
23:00	5	37.8	33.5	4.2	0	0	0	1	2	2	0	0	0	0	0	0
Total																
2H(10-12)	218	44.8	37.0	7.6	1	9	6	5	47	78	51	17	3	1	0	0
2H(14-16)	237	42.7	35.4	7.0	0	5	9	30	67	70	39	14	1	2	0	0

Tween Bridge ATC 14, Sandtoft Road

Direction: Westbound

12/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	2	44.8	37.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	0	1	0	0	0	0
03:00	2	49.8	42.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
04:00	5	50.8	46.5	4.2	0	0	0	0	0	0	2	2	1	0	0	0
05:00	13	45.4	37.9	7.2	0	0	1	1	1	5	3	2	0	0	0	0
06:00	56	44.9	39.5	5.3	0	0	0	1	12	15	21	6	1	0	0	0
07:00	127	43.7	38.3	5.2	0	1	0	6	19	53	40	7	1	0	0	0
08:00	106	44.8	38.5	6.0	0	0	0	10	17	36	31	9	2	1	0	0
09:00	111	41.4	34.9	6.2	0	2	4	12	37	36	16	3	1	0	0	0
10:00	81	42.2	34.7	7.2	0	3	3	13	20	24	13	5	0	0	0	0
11:00	90	44.0	35.4	8.3	1	5	3	6	20	34	14	4	3	0	0	0
12:00	87	42.4	35.8	6.4	1	1	0	6	33	28	12	5	1	0	0	0
13:00	81	42.9	34.9	7.7	0	3	5	13	16	22	16	6	0	0	0	0
14:00	114	44.8	36.1	8.4	2	3	4	11	23	33	30	6	1	0	1	0
15:00	128	43.8	35.4	8.1	0	6	6	17	28	32	24	15	0	0	0	0
16:00	147	44.5	36.9	7.3	0	3	5	13	33	44	33	12	3	1	0	0
17:00	150	46.2	35.9	9.9	2	11	6	10	32	36	34	11	5	2	1	0
18:00	74	48.7	41.5	7.0	0	1	1	1	4	23	26	10	6	2	0	0
19:00	41	48.1	40.9	6.9	0	0	0	3	4	11	13	6	3	1	0	0
20:00	24	50.4	42.2	8.0	0	0	0	0	4	6	9	0	4	0	1	0
21:00	16	46.4	37.3	8.8	0	1	0	1	4	3	5	1	1	0	0	0
22:00	15	50.0	38.8	10.7	0	1	0	1	2	4	5	1	0	0	1	0
23:00	2	42.5	42.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
Total																
2H(10-12)	171	43.1	35.0	7.8	1	8	6	19	40	58	27	9	3	0	0	0
2H(14-16)	242	44.3	35.7	8.2	2	9	10	28	51	65	54	21	1	0	1	0
12H(7-19)	1296	44.5	36.5	7.7	6	39	37	118	282	401	289	93	23	6	2	0
24H(0-24)	1473	44.9	36.9	7.7	6	41	38	125	310	446	350	113	33	7	4	0
AM Peak	07:00 127	04:00 50.8	02:00 47.5	11:00 8.3	11:00 1	11:00 5	09:00 4	10:00 13	09:00 37	07:00 53	07:00 40	08:00 9	11:00 3	08:00 1	00:00 0	00:00 0
PM Peak	17:00 150	20:00 50.4	23:00 42.5	22:00 10.7	14:00 2	17:00 11	15:00 6	15:00 17	12:00 33	16:00 44	17:00 34	15:00 15	18:00 6	17:00 2	14:00 1	12:00 0

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	1	-	37.5	-	0	0	0	0	0	1	0	0	0	0	0	0
01:00	2	42.5	42.5	0.0	0	0	0	0	0	0	2	0	0	0	0	0
02:00	1	-	32.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	5	46.5	39.5	6.7	0	0	0	0	2	0	2	1	0	0	0	0
04:00	9	42.1	38.1	3.9	0	0	0	0	2	4	3	0	0	0	0	0
05:00	41	42.8	36.0	6.5	0	2	0	0	13	19	5	1	1	0	0	0
06:00	56	40.9	36.5	4.2	0	0	0	1	19	29	5	1	1	0	0	0
07:00	102	43.0	36.9	5.9	0	1	0	9	24	42	20	4	1	1	0	0
08:00	95	43.3	36.9	6.1	0	1	0	7	27	37	14	6	3	0	0	0
09:00	69	41.8	34.3	7.3	0	3	2	8	26	19	7	3	0	1	0	0
10:00	69	44.1	35.2	8.6	1	3	1	7	21	19	14	0	0	3	0	0
11:00	50	39.9	32.6	7.1	0	3	5	6	13	20	2	1	0	0	0	0
12:00	60	39.9	33.1	6.5	1	1	2	10	23	17	5	1	0	0	0	0
13:00	61	40.9	33.9	6.7	0	3	1	8	20	23	4	1	1	0	0	0
14:00	58	41.2	34.3	6.7	1	1	1	7	21	17	9	1	0	0	0	0
15:00	67	41.2	35.6	5.4	0	1	1	3	26	25	8	3	0	0	0	0
16:00	89	42.9	36.7	6.0	0	2	0	4	23	43	12	3	1	1	0	0
17:00	86	42.7	36.6	5.8	0	2	0	4	21	43	11	3	2	0	0	0
18:00	50	44.1	36.8	7.1	0	2	1	1	13	19	8	6	0	0	0	0
19:00	29	47.5	37.7	9.5	0	1	0	3	8	7	6	2	0	1	1	0
20:00	24	42.8	35.3	7.2	0	1	2	0	6	10	4	1	0	0	0	0
21:00	17	44.1	37.5	6.4	0	0	0	1	6	5	3	1	1	0	0	0
22:00	12	42.1	36.3	5.7	0	0	0	2	3	3	4	0	0	0	0	0
23:00	2	38.7	35.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
Total																
2H(10-12)	119	42.5	34.1	8.1	1	6	6	13	34	39	16	1	0	3	0	0
2H(14-16)	125	41.3	35.0	6.1	1	2	2	10	47	42	17	4	0	0	0	0
12H(7-19)	856	42.4	35.5	6.7	3	23	14	74	258	324	114	32	8	6	0	0
24H(0-24)	1055	42.6	35.7	6.6	3	27	16	81	319	403	148	39	11	7	1	0
AM Peak	07:00 102	03:00 46.5	01:00 42.5	10:00 8.6	10:00 1	09:00 3	11:00 5	07:00 9	08:00 27	07:00 42	07:00 20	08:00 6	08:00 3	10:00 3	00:00 0	00:00 0
PM Peak	16:00 89	19:00 47.5	19:00 37.7	19:00 9.5	12:00 1	13:00 3	12:00 2	12:00 10	15:00 26	16:00 43	16:00 12	18:00 6	17:00 2	16:00 1	19:00 1	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	1	-	37.5	-	0	0	0	0	0	1	0	0	0	0	0	0
01:00	4	45.2	40.0	5.0	0	0	0	0	1	0	3	0	0	0	0	0
02:00	2	51.0	40.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
03:00	7	47.0	40.4	6.4	0	0	0	0	2	1	2	2	0	0	0	0
04:00	14	47.0	41.1	5.7	0	0	0	0	2	4	5	2	1	0	0	0
05:00	54	43.4	36.5	6.7	0	2	1	1	14	24	8	3	1	0	0	0
06:00	112	43.1	38.0	5.0	0	0	0	2	31	44	26	7	2	0	0	0
07:00	229	43.5	37.7	5.6	0	2	0	15	43	95	60	11	2	1	0	0
08:00	201	44.1	37.8	6.1	0	1	0	17	44	73	45	15	5	1	0	0
09:00	180	41.5	34.7	6.6	0	5	6	20	63	55	23	6	1	1	0	0
10:00	150	43.1	34.9	7.9	1	6	4	20	41	43	27	5	0	3	0	0
11:00	140	42.7	34.4	8.0	1	8	8	12	33	54	16	5	3	0	0	0
12:00	147	41.5	34.7	6.6	2	2	2	16	56	45	17	6	1	0	0	0
13:00	142	42.0	34.5	7.3	0	6	6	21	36	45	20	7	1	0	0	0
14:00	172	43.7	35.5	7.9	3	4	5	18	44	50	39	7	1	0	1	0
15:00	195	43.0	35.5	7.3	0	7	7	20	54	57	32	18	0	0	0	0
16:00	236	43.9	36.8	6.8	0	5	5	17	56	87	45	15	4	2	0	0
17:00	236	45.2	36.2	8.7	2	13	6	14	53	79	45	14	7	2	1	0
18:00	124	47.2	39.6	7.4	0	3	2	2	17	42	34	16	6	2	0	0
19:00	70	48.0	39.6	8.2	0	1	0	6	12	18	19	8	3	2	1	0
20:00	48	47.3	38.8	8.3	0	1	2	0	10	16	13	1	4	0	1	0
21:00	33	45.2	37.4	7.5	0	1	0	2	10	8	8	2	2	0	0	0
22:00	27	46.8	37.7	8.8	0	1	0	3	5	7	9	1	0	0	1	0
23:00	4	43.7	38.8	4.8	0	0	0	0	1	1	2	0	0	0	0	0
Total																
2H(10-12)	290	42.9	34.7	7.9	2	14	12	32	74	97	43	10	3	3	0	0
2H(14-16)	367	43.3	35.5	7.6	3	11	12	38	98	107	71	25	1	0	1	0
12H(7-19)	2152	43.7	36.1	7.3	9	62	51	192	540	725	403	125	31	12	2	0
24H(0-24)	2528	44.0	36.4	7.3	9	68	54	206	629	849	498	152	44	14	5	0
AM Peak	07:00 229	02:00 51.0	04:00 41.1	02:00 10.6	10:00 1	11:00 8	11:00 8	09:00 20	09:00 63	07:00 95	07:00 60	08:00 15	08:00 5	10:00 3	00:00 0	00:00 0
PM Peak	16:00 236	19:00 48.0	18:00 39.6	22:00 8.8	14:00 3	17:00 13	15:00 7	13:00 21	12:00 56	16:00 87	16:00 45	15:00 18	17:00 7	16:00 2	14:00 1	12:00 0



Appendix O: Automatic Traffic Survey Reports – Link 15

Tween Bridge ATC 15, Low Levels Bank



Direction: Westbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	0	1	3	1	10	2	0	1	2
01:00	1	2	1	0	3	2	2	1	2
02:00	2	1	2	0	6	0	1	1	2
03:00	1	1	1	1	1	1	2	1	1
04:00	6	9	4	10	3	2	5	7	6
05:00	17	14	16	14	8	6	13	15	13
06:00	65	56	58	55	19	7	60	59	46
07:00	130	118	117	113	32	9	130	122	93
08:00	116	114	99	108	57	28	100	107	89
09:00	79	71	88	87	84	48	112	87	81
10:00	66	94	101	90	62	54	74	85	77
11:00	86	86	65	99	80	78	93	86	84
12:00	86	89	93	82	107	80	81	86	88
13:00	70	73	96	110	134	69	76	85	90
14:00	97	104	100	103	143	86	109	103	106
15:00	124	122	115	111	129	77	123	119	114
16:00	168	117	164	164	74	64	143	155	133
17:00	164	165	171	106	76	84	142	150	130
18:00	71	51	71	82	50	60	73	70	65
19:00	43	33	48	40	36	26	40	41	38
20:00	21	28	32	24	12	18	23	26	23
21:00	19	23	20	15	14	13	17	19	17
22:00	8	12	15	8	13	9	15	12	11
23:00	6	3	4	6	6	0	2	4	4
Total	1257	1224	1280	1255	1028	737	1256	1254	1148
12H(7-19)	1405	1364	1438	1389	1109	801	1396	1398	1272
16H(6-22)	1419	1379	1457	1403	1128	810	1413	1414	1267
18H(6-24)	1446	1407	1484	1429	1159	823	1436	1440	1312
AM Peak	07:00	07:00	07:00	07:00	09:00	11:00	07:00	07:00	07:00
PM Peak	16:00	17:00	17:00	16:00	14:00	14:00	16:00	16:00	16:00
Paul Castle Associates	168	165	171	164	143	86	143	155	131

Direction: Eastbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	3	1	3	1	5	3	1	2	2
01:00	0	0	1	2	3	3	2	1	2
02:00	0	0	0	0	2	0	1	0	0
03:00	1	2	3	4	2	1	5	3	3
04:00	7	5	3	7	2	0	8	6	5
05:00	38	37	32	34	22	13	40	36	31
06:00	55	60	59	44	13	7	54	54	42
07:00	94	97	101	84	45	24	88	93	76
08:00	106	86	100	87	59	47	91	94	82
09:00	40	63	61	62	50	54	62	58	56
10:00	50	51	54	75	48	46	60	58	55
11:00	47	58	66	54	49	37	45	54	51
12:00	42	47	60	58	74	37	53	52	53
13:00	50	54	62	67	53	52	59	58	57
14:00	66	60	79	64	46	31	58	65	58
15:00	90	67	79	71	46	46	64	74	66
16:00	100	81	92	102	34	31	85	92	75
17:00	92	81	79	81	43	37	86	84	71
18:00	47	56	66	50	29	31	46	53	46
19:00	32	36	35	31	20	23	29	33	29
20:00	19	27	19	21	13	22	22	22	20
21:00	11	20	18	15	10	8	17	16	14
22:00	17	13	20	7	9	10	12	14	13
23:00	5	6	3	7	8	3	2	5	5
Total	824	801	899	855	576	473	797	835	746
12H(7-19)	941	944	1030	966	632	533	919	960	852
16H(6-22)	963	963	1053	980	649	546	933	978	870
18H(6-24)	1012	1008	1095	1028	685	566	990	1027	912
AM Peak	08:00	07:00	07:00	08:00	08:00	09:00	08:00	08:00	08:00
PM Peak	16:00	16:00	16:00	16:00	12:00	13:00	17:00	16:00	16:00
Paul Castle Associates	100	81	92	102	74	52	86	92	75

Direction: Total Flow

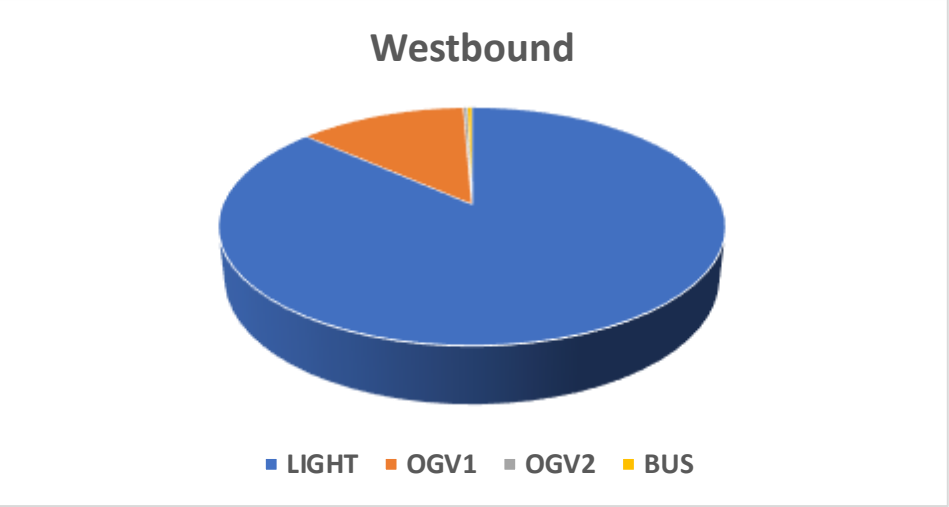
Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	3	2	6	2	15	5	1	3	5
01:00	1	2	2	2	6	5	4	2	3
02:00	2	1	2	0	8	0	2	1	2
03:00	2	3	4	5	3	2	7	4	4
04:00	13	14	7	17	5	2	13	13	10
05:00	55	51	48	48	30	19	53	51	43
06:00	120	116	117	99	32	14	114	113	87
07:00	224	215	218	197	77	33	218	214	169
08:00	222	200	199	195	116	75	191	201	171
09:00	119	134	149	149	134	102	174	145	137
10:00	116	145	155	165	110	100	134	143	132
11:00	133	144	131	153	129	115	138	140	135
12:00	128	136	153	140	161	117	134	138	141
13:00	120	127	158	177	187	121	135	143	146
14:00	163	164	179	167	189	117	167	168	164
15:00	214	189	194	182	175	123	187	193	181
16:00	268	218	256	266	108	95	238	247	206
17:00	256	246	250	187	119	121	238	233	201
18:00	118	107	137	132	79	91	119	123	112
19:00	75	69	83	71	56	49	69	73	67
20:00	40	55	51	45	25	40	45	47	43
21:00	30	43	38	30	24	21	34	35	31
22:00	25	25	35	15	22	19	27	25	24
23:00	11	9	7	13	14	3	4	9	9
Total	2081	2025	2179	2110	1604	1210	2053	2090	1895
12H(7-19)	2346	2308	2468	2355	1741	1334	2315	2358	2124
16H(6-22)	2382	2342	2510	2383	1777	1356	2346	2393	2157
18H(6-24)	2458	2415	2579	2457	1844	1389	2426	2467	2224
AM Peak	07:00	07:00	07:00	07:00	09:00	11:00	07:00	07:00	08:00
PM Peak	16:00	17:00	16:00	16:00	14:00	15:00	16:00	16:00	16:00
Paul Castle Associates	224	215	218	197	134	115	216	214	171

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1446	1232	202	3	9
Wed 7 Jun 2023	1407	1216	183	5	3
Thu 8 Jun 2023	1484	1245	226	7	6
Fri 9 Jun 2023	1429	1210	210	3	6
Sat 10 Jun 2023	1159	1093	64	1	1
Sun 11 Jun 2023	823	758	61	1	3
Mon 12 Jun 2023	1436	1195	229	8	4
5 Day Ave.	1440	1220	210	5	6
7 Day Ave.	1312	1136	168	4	5

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	85.2%	14.0%	0.2%	0.6%
Wed 7 Jun 2023	100.0%	86.4%	13.0%	0.4%	0.2%
Thu 8 Jun 2023	100.0%	83.9%	15.2%	0.5%	0.4%
Fri 9 Jun 2023	100.0%	84.7%	14.7%	0.2%	0.4%
Sat 10 Jun 2023	100.0%	94.3%	5.5%	0.1%	0.1%
Sun 11 Jun 2023	100.0%	92.1%	7.4%	0.1%	0.4%
Mon 12 Jun 2023	100.0%	83.2%	15.9%	0.6%	0.3%
5 Day Ave.	100.0%	84.7%	14.6%	0.4%	0.4%
7 Day Ave.	100.0%	86.6%	12.8%	0.3%	0.3%

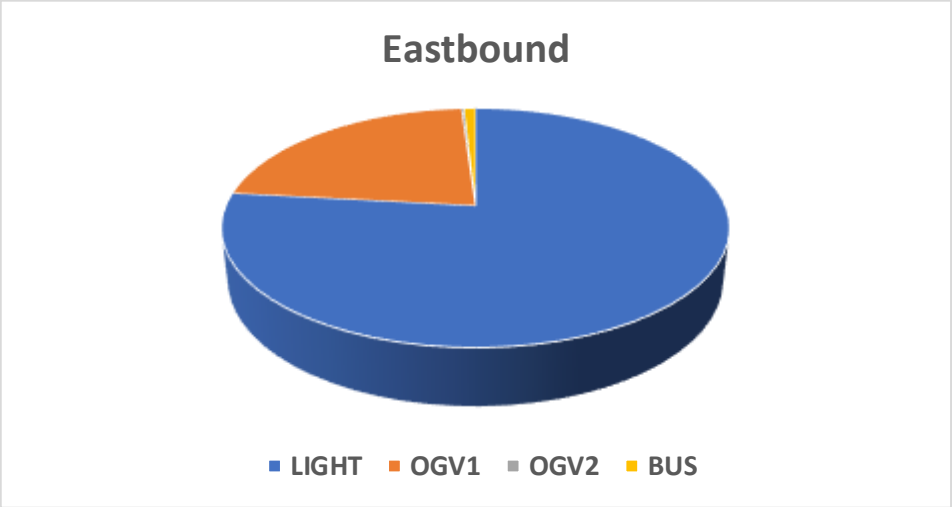
Paul Castle Associates



Direction: Eastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1012	755	245	1	11
Wed 7 Jun 2023	1008	775	225	1	7
Thu 8 Jun 2023	1095	808	271	2	14
Fri 9 Jun 2023	1028	787	232	1	8
Sat 10 Jun 2023	685	564	119	0	2
Sun 11 Jun 2023	566	470	94	0	2
Mon 12 Jun 2023	990	741	230	8	11
5 Day Ave.	1027	773	241	3	10
7 Day Ave.	912	700	202	2	8

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	74.6%	24.2%	0.1%	1.1%
Wed 7 Jun 2023	100.0%	76.9%	22.3%	0.1%	0.7%
Thu 8 Jun 2023	100.0%	73.8%	24.7%	0.2%	1.3%
Fri 9 Jun 2023	100.0%	76.6%	22.6%	0.1%	0.8%
Sat 10 Jun 2023	100.0%	82.3%	17.4%	0.0%	0.3%
Sun 11 Jun 2023	100.0%	83.0%	16.6%	0.0%	0.4%
Mon 12 Jun 2023	100.0%	74.8%	23.2%	0.8%	1.1%
5 Day Ave.	100.0%	75.3%	23.4%	0.3%	1.0%
7 Day Ave.	100.0%	76.8%	22.2%	0.2%	0.9%

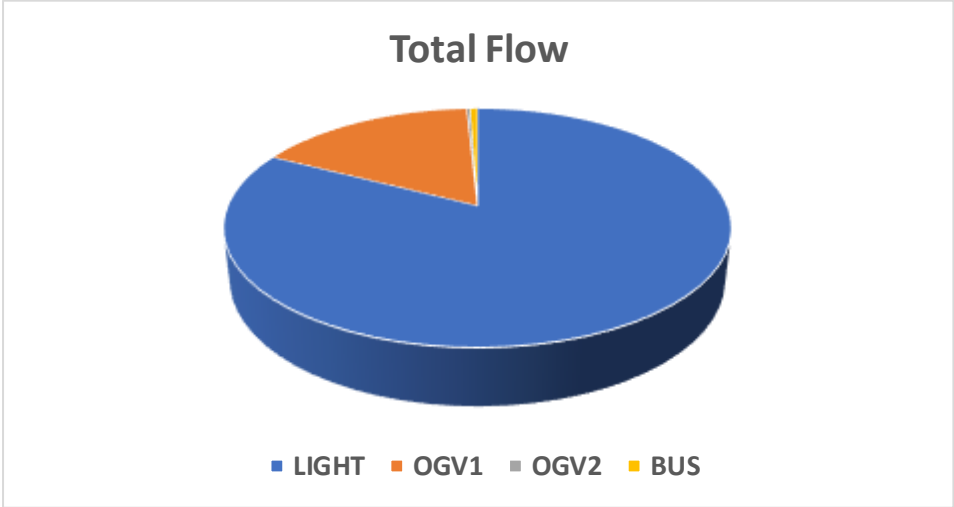
Paul Castle Associates



Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2458	1987	447	4	20
Wed 7 Jun 2023	2415	1991	408	6	10
Thu 8 Jun 2023	2579	2053	497	9	20
Fri 9 Jun 2023	2457	1997	442	4	14
Sat 10 Jun 2023	1844	1657	183	1	3
Sun 11 Jun 2023	1389	1228	155	1	5
Mon 12 Jun 2023	2426	1936	459	16	15
5 Day Ave.	2467	1993	451	8	16
7 Day Ave.	2224	1836	370	6	12

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	80.8%	18.2%	0.2%	0.8%
Wed 7 Jun 2023	100.0%	82.4%	16.9%	0.2%	0.4%
Thu 8 Jun 2023	100.0%	79.6%	19.3%	0.3%	0.8%
Fri 9 Jun 2023	100.0%	81.3%	18.0%	0.2%	0.6%
Sat 10 Jun 2023	100.0%	89.9%	9.9%	0.1%	0.2%
Sun 11 Jun 2023	100.0%	88.4%	11.2%	0.1%	0.4%
Mon 12 Jun 2023	100.0%	79.8%	18.9%	0.7%	0.6%
5 Day Ave.	100.0%	80.8%	18.3%	0.3%	0.6%
7 Day Ave.	100.0%	82.5%	16.6%	0.3%	0.6%

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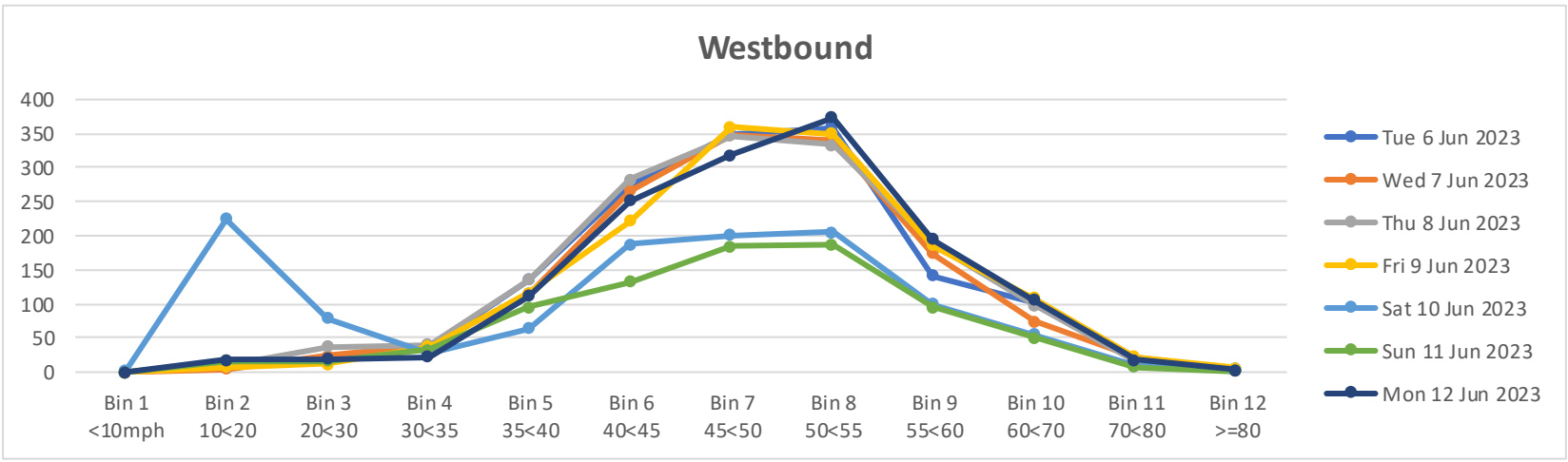


Tween Bridge ATC 15, Low Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	1446	58.0	48.7	9.0	0	9	17	36	136	275	350	358	142	101	18	4
Wed 7 Jun 2023	1407	57.9	48.7	8.9	0	5	24	38	114	266	348	340	174	74	21	3
Thu 8 Jun 2023	1484	57.9	48.3	9.2	0	9	37	40	135	282	346	334	187	98	15	1
Fri 9 Jun 2023	1429	59.1	49.6	9.2	0	8	12	37	116	222	360	350	186	109	23	6
Sat 10 Jun 2023	1159	57.2	40.8	15.8	2	224	79	29	64	187	201	206	99	55	10	3
Sun 11 Jun 2023	823	58.1	47.6	10.1	0	16	17	33	96	133	185	187	95	51	8	2
Mon 12 Jun 2023	1436	59.0	49.3	9.4	0	18	19	22	112	251	319	373	195	106	18	3
5 Day Ave.	1440	58.4	48.9	9.1	0	10	22	35	123	259	345	351	177	98	19	3
7 Day Ave.	1312	58.2	47.6	10.2	0	41	29	34	110	231	301	307	154	85	16	3

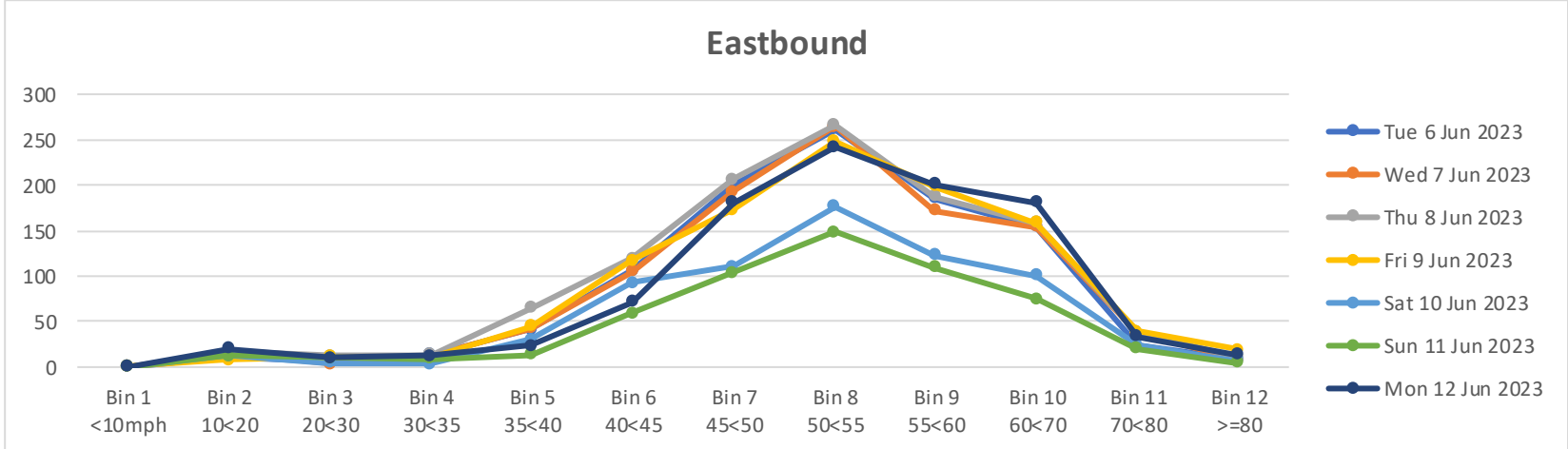
Paul Castle Associates



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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	1012	63.0	52.6	10.0	0	11	7	14	41	106	200	261	185	154	24	9
Wed 7 Jun 2023	1008	63.6	52.8	10.5	0	16	3	12	43	105	193	265	172	154	37	8
Thu 8 Jun 2023	1095	63.6	52.2	11.0	0	18	12	14	65	119	206	266	188	158	38	11
Fri 9 Jun 2023	1028	64.6	53.4	10.8	1	8	11	10	45	117	173	248	199	158	39	19
Sat 10 Jun 2023	685	63.8	52.6	10.8	0	12	5	3	30	93	111	176	123	100	25	7
Sun 11 Jun 2023	566	63.8	52.3	11.1	0	12	10	9	14	59	104	149	109	75	20	5
Mon 12 Jun 2023	990	65.2	53.8	11.1	0	20	10	12	24	71	181	242	201	181	34	14
5 Day Ave.	1027	64.0	52.9	10.7	0	15	9	12	44	104	191	256	189	161	34	12
7 Day Ave.	912	63.9	52.8	10.7	0	14	8	11	37	96	167	230	168	140	31	10

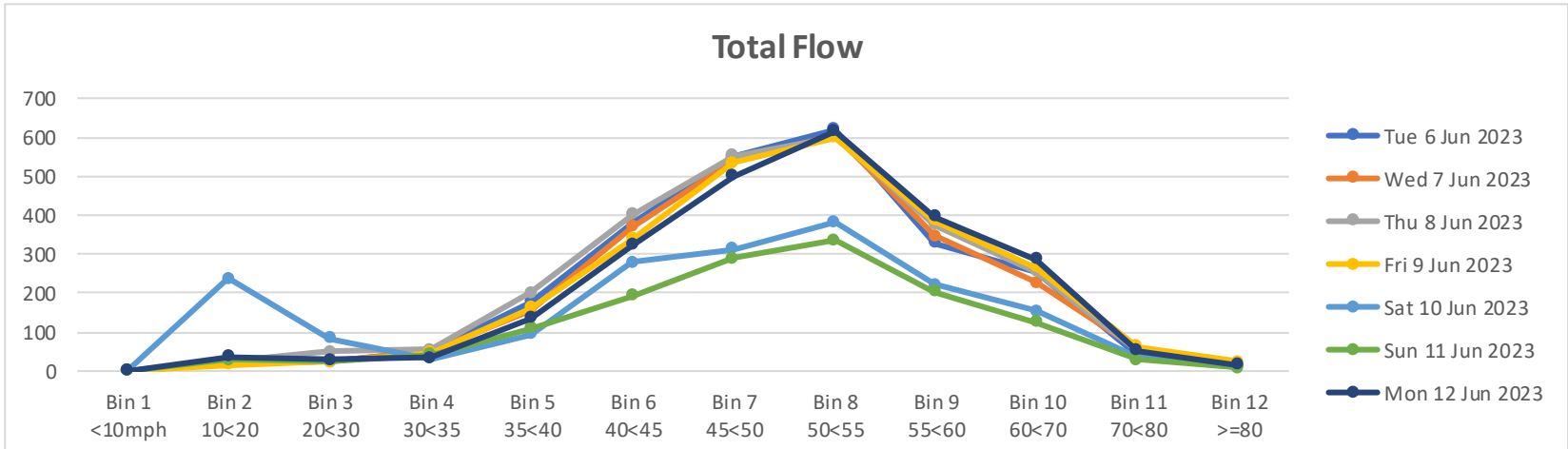
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	2458	60.3	50.3	9.7	0	20	24	50	177	381	550	619	327	255	42	13
Wed 7 Jun 2023	2415	60.5	50.4	9.8	0	21	27	50	157	371	541	605	346	228	58	11
Thu 8 Jun 2023	2579	60.5	50.0	10.2	0	27	49	54	200	401	552	600	375	256	53	12
Fri 9 Jun 2023	2457	61.6	51.2	10.1	1	16	23	47	161	339	533	598	385	267	62	25
Sat 10 Jun 2023	1844	61.0	45.2	15.2	2	236	84	32	94	280	312	382	222	155	35	10
Sun 11 Jun 2023	1389	60.7	49.5	10.8	0	28	27	42	110	192	289	336	204	126	28	7
Mon 12 Jun 2023	2426	61.8	51.1	10.3	0	38	29	34	136	322	500	615	396	287	52	17
5 Day Ave.	2467	61.0	50.6	10.0	0	24	30	47	166	363	535	607	366	259	53	16
7 Day Ave.	2224	60.9	49.7	10.9	0	55	38	44	148	327	468	536	322	225	47	14

Paul Castle Associates



Tween Bridge ATC 15, Low Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	152	54.0	44.4	9.3	0	2	1	14	32	39	29	17	9	8	1	0
Wed 7 Jun 2023	180	56.4	47.0	9.1	0	1	3	6	22	42	49	31	19	2	4	1
Thu 8 Jun 2023	166	53.9	44.5	9.1	0	1	10	10	23	47	25	32	14	4	0	0
Fri 9 Jun 2023	189	56.7	47.5	8.9	0	0	5	3	26	35	54	37	18	8	2	1
Sat 10 Jun 2023	142	58.7	43.9	14.3	0	21	2	2	7	25	32	33	12	7	0	1
Sun 11 Jun 2023	132	58.5	48.7	9.5	0	4	0	1	10	22	35	32	21	5	2	0
Mon 12 Jun 2023	167	54.8	44.9	9.6	0	6	4	5	24	39	43	29	12	5	0	0
5 Day Ave.	171	55.2	45.6	9.2	0	2	5	8	25	40	40	29	14	5	1	0
7 Day Ave.	161	56.2	45.8	10.0	0	5	4	6	21	36	38	30	15	6	1	0

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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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	97	60.1	48.5	11.2	0	3	3	1	9	14	24	17	17	8	0	1
Wed 7 Jun 2023	109	59.3	49.3	9.6	0	2	0	2	9	19	28	25	12	10	2	0
Thu 8 Jun 2023	120	59.8	48.6	10.8	0	3	0	4	10	33	18	21	16	12	3	0
Fri 9 Jun 2023	129	60.6	49.7	10.5	1	2	0	2	11	26	22	29	19	16	0	1
Sat 10 Jun 2023	97	62.3	50.8	11.1	0	3	1	0	8	14	12	28	15	14	2	0
Sun 11 Jun 2023	83	65.9	53.0	12.5	0	3	1	1	2	8	16	15	18	14	4	1
Mon 12 Jun 2023	105	62.5	50.1	11.9	0	6	1	2	1	9	27	25	23	9	1	1
5 Day Ave.	112	60.4	49.2	10.8	0	3	1	2	8	20	24	23	17	11	1	1
7 Day Ave.	106	61.5	50.0	11.1	0	3	1	2	7	18	21	23	17	12	2	1

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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	249	56.6	46.0	10.2	0	5	4	15	41	53	53	34	26	16	1	1
Wed 7 Jun 2023	289	57.5	47.9	9.4	0	3	3	8	31	61	77	56	31	12	6	1
Thu 8 Jun 2023	286	56.6	46.2	10.0	0	4	10	14	33	80	43	53	30	16	3	0
Fri 9 Jun 2023	318	58.4	48.4	9.6	1	2	5	5	37	61	76	66	37	24	2	2
Sat 10 Jun 2023	239	60.7	46.7	13.5	0	24	3	2	15	39	44	61	27	21	2	1
Sun 11 Jun 2023	215	61.6	50.3	10.9	0	7	1	2	12	30	51	47	39	19	6	1
Mon 12 Jun 2023	272	58.1	46.9	10.8	0	12	5	7	25	48	70	54	35	14	1	1
5 Day Ave.	283	57.4	47.1	10.0	0	5	5	10	33	61	64	53	32	16	3	1
7 Day Ave.	267	58.5	47.5	10.6	0	8	4	8	28	53	59	53	32	17	3	1

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	221	55.6	46.7	8.6	0	0	3	9	33	51	55	44	13	9	4	0
Wed 7 Jun 2023	226	55.4	46.6	8.5	0	0	7	11	25	47	57	53	17	7	2	0
Thu 8 Jun 2023	215	57.2	47.8	9.1	0	1	9	3	21	39	53	54	20	14	1	0
Fri 9 Jun 2023	214	59.0	49.5	9.2	0	0	0	6	29	36	44	43	35	15	6	0
Sat 10 Jun 2023	272	47.1	31.3	15.3	0	96	52	9	12	37	26	23	13	4	0	0
Sun 11 Jun 2023	163	56.7	46.5	9.9	0	4	4	5	22	32	32	42	13	8	1	0
Mon 12 Jun 2023	232	57.5	48.2	9.0	0	4	3	2	20	48	51	66	27	9	1	1
5 Day Ave.	222	57.0	47.8	8.9	0	1	4	6	26	44	52	52	22	11	3	0
7 Day Ave.	220	55.5	45.2	9.9	0	15	11	6	23	41	45	46	20	9	2	0

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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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	156	61.7	50.8	10.5	0	4	2	2	13	12	30	40	30	22	1	0
Wed 7 Jun 2023	127	62.5	51.1	11.0	0	2	3	5	9	13	15	32	27	19	2	0
Thu 8 Jun 2023	158	62.9	51.2	11.3	0	4	0	2	17	20	22	41	23	22	7	0
Fri 9 Jun 2023	135	62.1	53.6	8.3	0	0	2	1	3	12	21	39	30	27	0	0
Sat 10 Jun 2023	92	59.3	50.8	8.2	0	0	0	1	4	23	12	27	16	7	2	0
Sun 11 Jun 2023	77	62.9	50.9	11.6	0	1	2	4	5	8	12	17	17	8	2	1
Mon 12 Jun 2023	122	61.7	51.5	9.9	0	1	3	4	3	12	25	34	21	17	2	0
5 Day Ave.	140	62.2	51.6	10.2	0	2	2	3	9	14	23	37	26	21	2	0
7 Day Ave.	124	61.9	51.4	10.1	0	2	2	3	8	14	20	33	23	17	2	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	377	58.4	48.4	9.6	0	4	5	11	46	63	85	84	43	31	5	0
Wed 7 Jun 2023	353	58.3	48.2	9.7	0	2	10	16	34	60	72	85	44	26	4	0
Thu 8 Jun 2023	373	59.8	49.2	10.2	0	5	9	5	38	59	75	95	43	36	8	0
Fri 9 Jun 2023	349	60.5	51.1	9.0	0	0	2	7	32	48	65	82	65	42	6	0
Sat 10 Jun 2023	364	53.0	36.2	16.2	0	96	52	10	16	60	38	50	29	11	2	0
Sun 11 Jun 2023	240	58.9	47.9	10.6	0	5	6	9	27	40	44	59	30	16	3	1
Mon 12 Jun 2023	354	59.1	49.3	9.4	0	5	6	6	23	60	76	100	48	26	3	1
5 Day Ave.	361	59.2	49.3	9.6	0	3	6	9	35	58	75	89	49	32	5	0
7 Day Ave.	344	58.3	47.2	10.7	0	17	13	9	31	56	65	79	43	27	4	0

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	1	1	0	0	0
04:00	6	5	1	0	0
05:00	17	16	1	0	0
06:00	65	59	6	0	0
07:00	130	116	13	1	0
08:00	116	102	14	0	0
09:00	79	62	16	0	1
10:00	66	51	14	1	0
11:00	86	66	19	0	1
12:00	86	62	22	0	2
13:00	70	49	19	1	1
14:00	97	81	15	0	1
15:00	124	96	26	0	2
16:00	168	155	13	0	0
17:00	164	152	11	0	1
18:00	71	67	4	0	0
19:00	43	40	3	0	0
20:00	21	17	4	0	0
21:00	19	19	0	0	0
22:00	8	8	0	0	0
23:00	6	5	1	0	0
Total					
12H(7-19)	1257	1059	186	3	9
16H(6-22)	1405	1194	199	3	9
18H(6-24)	1419	1207	200	3	9
24H(0-24)	1446	1232	202	3	9
AM Peak	07:00 130	07:00 116	11:00 19	07:00 1	09:00 1
PM Peak	16:00 168	16:00 155	15:00 26	13:00 1	12:00 2

Paul Castle Associates

Direction: Eastbound

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	1	1	0	0	0
04:00	7	5	2	0	0
05:00	38	32	6	0	0
06:00	55	43	11	0	1
07:00	94	72	22	0	0
08:00	106	75	27	0	4
09:00	40	26	13	0	1
10:00	50	38	12	0	0
11:00	47	34	11	0	2
12:00	42	26	14	0	2
13:00	50	34	15	0	1
14:00	66	45	21	0	0
15:00	90	68	22	0	0
16:00	100	70	29	1	0
17:00	92	72	20	0	0
18:00	47	41	6	0	0
19:00	32	25	7	0	0
20:00	19	18	1	0	0
21:00	11	8	3	0	0
22:00	17	14	3	0	0
23:00	5	5	0	0	0
Total					
12H(7-19)	824	601	212	1	10
16H(6-22)	941	695	234	1	11
18H(6-24)	963	714	237	1	11
24H(0-24)	1012	755	245	1	11
AM Peak	08:00 106	08:00 75	08:00 27	00:00 0	08:00 4
PM Peak	16:00 100	17:00 72	16:00 29	16:00 1	12:00 2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	2	2	0	0	0
04:00	13	10	3	0	0
05:00	55	48	7	0	0
06:00	120	102	17	0	1
07:00	224	188	35	1	0
08:00	222	177	41	0	4
09:00	119	88	29	0	2
10:00	116	89	26	1	0
11:00	133	100	30	0	3
12:00	128	88	36	0	4
13:00	120	83	34	1	2
14:00	163	126	36	0	1
15:00	214	164	48	0	2
16:00	268	225	42	1	0
17:00	256	224	31	0	1
18:00	118	108	10	0	0
19:00	75	65	10	0	0
20:00	40	35	5	0	0
21:00	30	27	3	0	0
22:00	25	22	3	0	0
23:00	11	10	1	0	0
Total					
12H(7-19)	2081	1660	398	4	19
16H(6-22)	2346	1889	433	4	20
18H(6-24)	2382	1921	437	4	20
24H(0-24)	2458	1987	447	4	20
AM Peak	07:00 224	07:00 188	08:00 41	07:00 1	08:00 4
PM Peak	16:00 268	16:00 225	15:00 48	13:00 1	12:00 4

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	2	0	0	0
02:00	1	0	1	0	0
03:00	1	1	0	0	0
04:00	9	8	1	0	0
05:00	14	13	1	0	0
06:00	56	50	6	0	0
07:00	118	109	8	1	0
08:00	114	104	9	1	0
09:00	71	60	11	0	0
10:00	94	73	21	0	0
11:00	86	62	24	0	0
12:00	89	76	13	0	0
13:00	73	52	20	0	1
14:00	104	89	13	1	1
15:00	122	100	20	1	1
16:00	137	123	14	0	0
17:00	165	155	10	0	0
18:00	51	45	6	0	0
19:00	33	30	3	0	0
20:00	28	26	1	1	0
21:00	23	22	1	0	0
22:00	12	12	0	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	1224	1048	169	4	3
16H(6-22)	1364	1176	180	5	3
18H(6-24)	1379	1191	180	5	3
24H(0-24)	1407	1216	183	5	3
AM Peak	07:00	07:00	11:00	07:00	00:00
	118	109	24	1	0
PM Peak	17:00	17:00	13:00	14:00	13:00
	165	155	20	1	1

Paul Castle Associates

Direction: Eastbound					
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	2	2	0	0	0
04:00	5	3	2	0	0
05:00	37	33	4	0	0
06:00	60	51	8	0	1
07:00	97	71	26	0	0
08:00	86	66	20	0	0
09:00	63	36	27	0	0
10:00	51	36	15	0	0
11:00	58	47	9	0	2
12:00	47	30	17	0	0
13:00	54	39	14	0	1
14:00	60	44	16	0	0
15:00	67	48	15	1	3
16:00	81	64	17	0	0
17:00	81	72	9	0	0
18:00	56	47	9	0	0
19:00	36	28	8	0	0
20:00	27	22	5	0	0
21:00	20	17	3	0	0
22:00	13	12	1	0	0
23:00	6	6	0	0	0
Total					
12H(7-19)	801	600	194	1	6
16H(6-22)	944	718	218	1	7
18H(6-24)	963	736	219	1	7
24H(0-24)	1008	775	225	1	7
AM Peak	07:00	07:00	09:00	00:00	11:00
	97	71	27	0	2
PM Peak	16:00	17:00	12:00	15:00	15:00
	81	72	17	1	3

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	1	0	1	0	0
03:00	3	3	0	0	0
04:00	14	11	3	0	0
05:00	51	46	5	0	0
06:00	116	101	14	0	1
07:00	215	180	34	1	0
08:00	200	170	29	1	0
09:00	134	96	38	0	0
10:00	145	109	36	0	0
11:00	144	109	33	0	2
12:00	136	106	30	0	0
13:00	127	91	34	0	2
14:00	164	133	29	1	1
15:00	189	148	35	2	4
16:00	218	187	31	0	0
17:00	246	227	19	0	0
18:00	107	92	15	0	0
19:00	69	58	11	0	0
20:00	55	48	6	1	0
21:00	43	39	4	0	0
22:00	25	24	1	0	0
23:00	9	9	0	0	0
Total					
12H(7-19)	2025	1648	363	5	9
16H(6-22)	2308	1894	398	6	10
18H(6-24)	2342	1927	399	6	10
24H(0-24)	2415	1991	408	6	10
AM Peak	07:00	07:00	09:00	07:00	11:00
	215	180	38	1	2
PM Peak	17:00	17:00	15:00	15:00	15:00
	246	227	35	2	4

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	2	1	0	0
01:00	1	1	0	0	0
02:00	2	2	0	0	0
03:00	1	1	0	0	0
04:00	4	4	0	0	0
05:00	16	15	1	0	0
06:00	58	50	8	0	0
07:00	117	110	7	0	0
08:00	99	87	12	0	0
09:00	88	70	18	0	0
10:00	101	80	20	0	1
11:00	65	50	14	1	0
12:00	93	68	24	1	0
13:00	96	71	23	1	1
14:00	100	80	19	0	1
15:00	115	88	24	3	0
16:00	164	139	23	0	2
17:00	171	161	9	0	1
18:00	71	59	12	0	0
19:00	48	43	5	0	0
20:00	32	28	4	0	0
21:00	20	18	2	0	0
22:00	15	14	0	1	0
23:00	4	4	0	0	0
Total					
12H(7-19)	1280	1063	205	6	6
16H(6-22)	1438	1202	224	6	6
18H(6-24)	1457	1220	224	7	6
24H(0-24)	1484	1245	226	7	6
AM Peak	07:00	07:00	10:00	11:00	10:00
	117	110	20	1	1
PM Peak	17:00	17:00	12:00	15:00	16:00
	171	161	24	3	2

Paul Castle Associates

Direction: Eastbound

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	3	2	1	0	0
04:00	3	3	0	0	0
05:00	32	28	4	0	0
06:00	59	47	12	0	0
07:00	101	78	23	0	0
08:00	100	66	31	0	3
09:00	61	42	18	0	1
10:00	54	34	18	0	2
11:00	66	36	27	1	2
12:00	60	43	17	0	0
13:00	62	49	12	0	1
14:00	79	52	25	0	2
15:00	79	55	23	1	0
16:00	92	66	23	0	3
17:00	79	68	11	0	0
18:00	66	58	8	0	0
19:00	35	25	10	0	0
20:00	19	16	3	0	0
21:00	18	16	2	0	0
22:00	20	18	2	0	0
23:00	3	2	1	0	0
Total					
12H(7-19)	899	647	236	2	14
16H(6-22)	1030	751	263	2	14
18H(6-24)	1053	771	266	2	14
24H(0-24)	1095	808	271	2	14
AM Peak	07:00	07:00	08:00	11:00	08:00
	101	78	31	1	3
PM Peak	16:00	17:00	14:00	15:00	16:00
	92	68	25	1	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	5	1	0	0
01:00	2	2	0	0	0
02:00	2	2	0	0	0
03:00	4	3	1	0	0
04:00	7	7	0	0	0
05:00	48	43	5	0	0
06:00	117	97	20	0	0
07:00	218	188	30	0	0
08:00	199	153	43	0	3
09:00	149	112	36	0	1
10:00	155	114	38	0	3
11:00	131	86	41	2	2
12:00	153	111	41	1	0
13:00	158	120	35	1	2
14:00	179	132	44	0	3
15:00	194	143	47	4	0
16:00	256	205	46	0	5
17:00	250	229	20	0	1
18:00	137	117	20	0	0
19:00	83	68	15	0	0
20:00	51	44	7	0	0
21:00	38	34	4	0	0
22:00	35	32	2	1	0
23:00	7	6	1	0	0
Total					
12H(7-19)	2179	1710	441	8	20
16H(6-22)	2468	1953	487	8	20
18H(6-24)	2510	1991	490	9	20
24H(0-24)	2579	2053	497	9	20
AM Peak	07:00	07:00	08:00	11:00	08:00
	218	188	43	2	3
PM Peak	16:00	17:00	15:00	15:00	16:00
	256	229	47	4	5

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound					
09/06/2023					
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	1	1	0	0	0
04:00	10	9	1	0	0
05:00	14	12	2	0	0
06:00	55	49	6	0	0
07:00	113	107	6	0	0
08:00	108	92	16	0	0
09:00	87	66	20	0	1
10:00	90	65	25	0	0
11:00	99	78	18	2	1
12:00	82	63	17	0	2
13:00	110	90	19	0	1
14:00	103	82	21	0	0
15:00	111	95	15	0	1
16:00	164	140	24	0	0
17:00	106	96	10	0	0
18:00	82	75	7	0	0
19:00	40	38	1	1	0
20:00	24	24	0	0	0
21:00	15	13	2	0	0
22:00	8	8	0	0	0
23:00	6	6	0	0	0
Total					
12H(7-19)	1255	1049	198	2	6
16H(6-22)	1389	1173	207	3	6
18H(6-24)	1403	1187	207	3	6
24H(0-24)	1429	1210	210	3	6
AM Peak	07:00 113	07:00 107	10:00 25	11:00 2	09:00 1
PM Peak	16:00 164	16:00 140	16:00 24	19:00 1	12:00 2

Paul Castle Associates

Direction: Eastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	2	0	0	0
02:00	0	0	0	0	0
03:00	4	3	1	0	0
04:00	7	4	3	0	0
05:00	34	34	0	0	0
06:00	44	36	8	0	0
07:00	84	64	20	0	0
08:00	87	58	28	1	0
09:00	62	43	18	0	1
10:00	75	52	22	0	1
11:00	54	34	19	0	1
12:00	58	42	15	0	1
13:00	67	52	13	0	2
14:00	64	49	15	0	0
15:00	71	56	14	0	1
16:00	102	84	18	0	0
17:00	81	66	14	0	1
18:00	50	44	6	0	0
19:00	31	21	10	0	0
20:00	21	17	4	0	0
21:00	15	13	2	0	0
22:00	7	6	1	0	0
23:00	7	6	1	0	0
Total					
12H(7-19)	855	644	202	1	8
16H(6-22)	966	731	226	1	8
18H(6-24)	980	743	228	1	8
24H(0-24)	1028	787	232	1	8
AM Peak	08:00 87	07:00 64	08:00 28	08:00 1	09:00 1
PM Peak	16:00 102	16:00 84	16:00 18	12:00 0	13:00 2

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	0	0	0	0	0
03:00	5	4	1	0	0
04:00	17	13	4	0	0
05:00	48	46	2	0	0
06:00	99	85	14	0	0
07:00	197	171	26	0	0
08:00	195	150	44	1	0
09:00	149	109	38	0	2
10:00	165	117	47	0	1
11:00	153	112	37	2	2
12:00	140	105	32	0	3
13:00	177	142	32	0	3
14:00	167	131	36	0	0
15:00	182	151	29	0	2
16:00	266	224	42	0	0
17:00	187	162	24	0	1
18:00	132	119	13	0	0
19:00	71	59	11	1	0
20:00	45	41	4	0	0
21:00	30	26	4	0	0
22:00	15	14	1	0	0
23:00	13	12	1	0	0
Total					
12H(7-19)	2110	1693	400	3	14
16H(6-22)	2355	1904	433	4	14
18H(6-24)	2383	1930	435	4	14
24H(0-24)	2457	1997	442	4	14
AM Peak	07:00 197	07:00 171	10:00 47	11:00 2	09:00 2
PM Peak	16:00 266	16:00 224	16:00 42	19:00 1	12:00 3

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound					
10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	10	0	0	0
01:00	3	2	1	0	0
02:00	6	6	0	0	0
03:00	1	1	0	0	0
04:00	3	3	0	0	0
05:00	8	7	1	0	0
06:00	19	18	1	0	0
07:00	32	29	3	0	0
08:00	57	49	7	1	0
09:00	84	78	6	0	0
10:00	62	58	4	0	0
11:00	80	73	7	0	0
12:00	107	101	6	0	0
13:00	134	128	6	0	0
14:00	143	137	5	0	1
15:00	129	127	2	0	0
16:00	74	73	1	0	0
17:00	76	68	8	0	0
18:00	50	49	1	0	0
19:00	36	32	4	0	0
20:00	12	12	0	0	0
21:00	14	14	0	0	0
22:00	13	13	0	0	0
23:00	6	5	1	0	0
Total					
12H(7-19)	1028	970	56	1	1
16H(6-22)	1109	1046	61	1	1
18H(6-24)	1128	1064	62	1	1
24H(0-24)	1159	1093	64	1	1
AM Peak	09:00	09:00	08:00	08:00	00:00
	84	78	7	1	0
PM Peak	14:00	14:00	17:00	12:00	14:00
	143	137	8	0	1

Paul Castle Associates

Direction: Eastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	3	2	1	0	0
02:00	2	2	0	0	0
03:00	2	2	0	0	0
04:00	2	2	0	0	0
05:00	22	20	2	0	0
06:00	13	12	1	0	0
07:00	45	27	18	0	0
08:00	59	44	14	0	1
09:00	50	39	11	0	0
10:00	48	38	10	0	0
11:00	49	43	6	0	0
12:00	74	61	13	0	0
13:00	53	47	6	0	0
14:00	46	43	3	0	0
15:00	46	42	4	0	0
16:00	34	24	9	0	1
17:00	43	39	4	0	0
18:00	29	20	9	0	0
19:00	20	19	1	0	0
20:00	13	10	3	0	0
21:00	10	7	3	0	0
22:00	9	9	0	0	0
23:00	8	7	1	0	0
Total					
12H(7-19)	576	467	107	0	2
16H(6-22)	632	515	115	0	2
18H(6-24)	649	531	116	0	2
24H(0-24)	685	564	119	0	2
AM Peak	08:00	08:00	07:00	00:00	08:00
	59	44	18	0	1
PM Peak	12:00	12:00	12:00	12:00	16:00
	74	61	13	0	1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	15	0	0	0
01:00	6	4	2	0	0
02:00	8	8	0	0	0
03:00	3	3	0	0	0
04:00	5	5	0	0	0
05:00	30	27	3	0	0
06:00	32	30	2	0	0
07:00	77	56	21	0	0
08:00	116	93	21	1	1
09:00	134	117	17	0	0
10:00	110	96	14	0	0
11:00	129	116	13	0	0
12:00	181	162	19	0	0
13:00	187	175	12	0	0
14:00	189	180	8	0	1
15:00	175	169	6	0	0
16:00	108	97	10	0	1
17:00	119	107	12	0	0
18:00	79	69	10	0	0
19:00	56	51	5	0	0
20:00	25	22	3	0	0
21:00	24	21	3	0	0
22:00	22	22	0	0	0
23:00	14	12	2	0	0
Total					
12H(7-19)	1604	1437	163	1	3
16H(6-22)	1741	1561	176	1	3
18H(6-24)	1777	1595	178	1	3
24H(0-24)	1844	1657	183	1	3
AM Peak	09:00	09:00	07:00	08:00	08:00
	134	117	21	1	1
PM Peak	14:00	14:00	12:00	12:00	14:00
	189	180	19	0	1

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	2	0	0	0
02:00	0	0	0	0	0
03:00	1	1	0	0	0
04:00	2	1	1	0	0
05:00	6	5	1	0	0
06:00	7	7	0	0	0
07:00	9	8	1	0	0
08:00	28	27	1	0	0
09:00	48	46	2	0	0
10:00	54	52	2	0	0
11:00	78	74	3	0	1
12:00	80	74	6	0	0
13:00	69	67	2	0	0
14:00	86	76	10	0	0
15:00	77	68	7	1	1
16:00	64	58	6	0	0
17:00	84	76	8	0	0
18:00	60	50	9	0	1
19:00	26	26	0	0	0
20:00	18	17	1	0	0
21:00	13	12	1	0	0
22:00	9	9	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	737	676	57	1	3
16H(6-22)	801	738	59	1	3
18H(6-24)	810	747	59	1	3
24H(0-24)	823	758	61	1	3
AM Peak	11:00	11:00	11:00	00:00	11:00
	78	74	3	0	1
PM Peak	14:00	14:00	14:00	15:00	15:00
	86	76	10	1	1

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	2	1	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	0	0	0	0	0
05:00	13	13	0	0	0
06:00	7	6	1	0	0
07:00	24	19	5	0	0
08:00	47	38	9	0	0
09:00	54	38	15	0	1
10:00	46	38	8	0	0
11:00	37	29	7	0	1
12:00	37	33	4	0	0
13:00	52	40	12	0	0
14:00	31	25	6	0	0
15:00	46	43	3	0	0
16:00	31	26	5	0	0
17:00	37	29	8	0	0
18:00	31	30	1	0	0
19:00	23	21	2	0	0
20:00	22	18	4	0	0
21:00	8	6	2	0	0
22:00	10	10	0	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	473	388	83	0	2
16H(6-22)	533	439	92	0	2
18H(6-24)	546	452	92	0	2
24H(0-24)	566	470	94	0	2
AM Peak	09:00	08:00	09:00	00:00	09:00
	54	38	15	0	1
PM Peak	13:00	15:00	13:00	12:00	12:00
	52	43	12	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	4	1	0	0
01:00	5	5	0	0	0
02:00	0	0	0	0	0
03:00	2	1	1	0	0
04:00	2	1	1	0	0
05:00	19	18	1	0	0
06:00	14	13	1	0	0
07:00	33	27	6	0	0
08:00	75	65	10	0	0
09:00	102	84	17	0	1
10:00	100	90	10	0	0
11:00	115	103	10	0	2
12:00	117	107	10	0	0
13:00	121	107	14	0	0
14:00	117	101	16	0	0
15:00	123	111	10	1	1
16:00	95	84	11	0	0
17:00	121	105	16	0	0
18:00	91	80	10	0	1
19:00	49	47	2	0	0
20:00	40	35	5	0	0
21:00	21	18	3	0	0
22:00	19	19	0	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	1210	1064	140	1	5
16H(6-22)	1334	1177	151	1	5
18H(6-24)	1356	1199	151	1	5
24H(0-24)	1389	1228	155	1	5
AM Peak	11:00	11:00	09:00	00:00	11:00
	115	103	17	0	2
PM Peak	15:00	15:00	14:00	15:00	15:00
	123	111	16	1	1

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound					
12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	2	2	0	0	0
04:00	5	5	0	0	0
05:00	13	12	1	0	0
06:00	60	54	6	0	0
07:00	130	113	17	0	0
08:00	100	87	13	0	0
09:00	112	90	20	0	2
10:00	74	50	23	1	0
11:00	93	65	25	2	1
12:00	81	62	19	0	0
13:00	76	59	15	2	0
14:00	109	84	24	1	0
15:00	123	100	22	0	1
16:00	143	127	14	2	0
17:00	142	125	17	0	0
18:00	73	70	3	0	0
19:00	40	37	3	0	0
20:00	23	19	4	0	0
21:00	17	16	1	0	0
22:00	15	15	0	0	0
23:00	2	0	2	0	0
Total					
12H(7-19)	1256	1032	212	8	4
16H(6-22)	1396	1158	226	8	4
18H(6-24)	1413	1173	228	8	4
24H(0-24)	1436	1195	229	8	4
AM Peak	07:00 130	07:00 113	11:00 25	11:00 2	09:00 2
PM Peak	16:00 143	16:00 127	14:00 24	13:00 2	15:00 1

Paul Castle Associates

Direction: Eastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	5	1	4	0	0
04:00	8	7	1	0	0
05:00	40	34	6	0	0
06:00	54	48	5	0	1
07:00	88	61	25	1	1
08:00	91	67	24	0	0
09:00	62	39	21	2	0
10:00	60	39	19	1	1
11:00	45	25	18	0	2
12:00	53	36	15	0	2
13:00	59	42	13	3	1
14:00	58	37	20	1	0
15:00	64	52	12	0	0
16:00	85	68	16	0	1
17:00	86	75	11	0	0
18:00	46	36	9	0	1
19:00	29	25	4	0	0
20:00	22	17	4	0	1
21:00	17	17	0	0	0
22:00	12	10	2	0	0
23:00	2	1	1	0	0
Total					
12H(7-19)	797	577	203	8	9
16H(6-22)	919	684	216	8	11
18H(6-24)	933	695	219	8	11
24H(0-24)	990	741	230	8	11
AM Peak	08:00 91	08:00 67	07:00 25	09:00 2	11:00 2
PM Peak	17:00 86	17:00 75	14:00 20	13:00 3	12:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	4	4	0	0	0
02:00	2	2	0	0	0
03:00	7	3	4	0	0
04:00	13	12	1	0	0
05:00	53	46	7	0	0
06:00	114	102	11	0	1
07:00	218	174	42	1	1
08:00	191	154	37	0	0
09:00	174	129	41	2	2
10:00	134	89	42	2	1
11:00	138	90	43	2	3
12:00	134	98	34	0	2
13:00	135	101	28	5	1
14:00	167	121	44	2	0
15:00	187	152	34	0	1
16:00	228	195	30	2	1
17:00	228	200	28	0	0
18:00	119	106	12	0	1
19:00	69	62	7	0	0
20:00	45	36	8	0	1
21:00	34	33	1	0	0
22:00	27	25	2	0	0
23:00	4	1	3	0	0
Total					
12H(7-19)	2053	1609	415	16	13
16H(6-22)	2315	1842	442	16	15
18H(6-24)	2346	1868	447	16	15
24H(0-24)	2426	1936	459	16	15
AM Peak	07:00 218	07:00 174	11:00 43	09:00 2	11:00 3
PM Peak	16:00 228	17:00 200	14:00 44	13:00 5	12:00 2

Paul Castle Associates

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

06/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	-	42.5	-	0	0	0	0	0	1	0	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	1	-	65.0	-	0	0	0	0	0	0	0	0	0	1	0	0
04:00	6	59.6	48.8	10.5	0	0	0	0	2	0	1	2	0	1	0	0
05:00	17	60.4	52.4	7.8	0	0	0	0	1	2	2	8	1	3	0	0
06:00	65	62.3	52.6	9.4	0	1	0	0	3	4	17	18	11	9	2	0
07:00	130	57.9	50.5	7.1	0	0	0	1	3	27	30	42	16	10	1	0
08:00	116	60.4	50.6	9.5	0	0	3	1	8	15	31	25	20	10	2	1
09:00	79	58.3	48.9	9.0	0	1	0	0	8	20	15	19	8	7	1	0
10:00	66	52.7	43.4	8.9	0	0	1	10	12	17	17	4	1	3	1	0
11:00	86	55.0	45.1	9.5	0	2	0	4	20	22	12	13	8	5	0	0
12:00	86	56.0	46.5	9.2	0	0	5	0	12	18	23	18	7	2	0	1
13:00	70	53.6	44.2	9.1	0	1	2	3	14	20	15	10	2	2	1	0
14:00	97	53.9	45.8	7.8	0	0	1	3	22	19	26	15	7	4	0	0
15:00	124	56.9	47.5	9.1	0	0	2	6	11	32	29	29	6	5	4	0
16:00	168	59.6	50.8	8.5	0	2	0	1	4	23	44	62	18	9	4	1
17:00	164	59.3	51.1	7.9	0	1	2	0	6	14	49	54	22	14	2	0
18:00	71	57.1	47.9	8.9	0	1	1	1	5	19	17	13	9	5	0	0
19:00	43	59.6	50.1	9.1	0	0	0	3	1	10	6	13	3	7	0	0
20:00	21	59.5	48.9	10.2	0	0	0	0	2	5	8	4	0	1	0	1
21:00	19	58.4	49.6	8.5	0	0	0	1	1	4	3	6	2	2	0	0
22:00	8	49.3	42.5	6.5	0	0	0	2	0	2	4	0	0	0	0	0
23:00	6	61.6	51.3	10.0	0	0	0	0	1	1	0	2	1	1	0	0
Total																
2H(10-12)	152	54.0	44.4	9.3	0	2	1	14	32	39	29	17	9	8	1	0
2H(14-16)	221	55.6	46.7	8.6	0	0	3	9	33	51	55	44	13	9	4	0
12H(7-19)	1257	57.7	48.4	9.0	0	8	17	30	125	246	308	304	124	76	16	3
24H(0-24)	1446	58.0	48.7	9.0	0	9	17	36	136	275	350	358	142	101	18	4
AM Peak	07:00 130	06:00 62.3	03:00 65.0	04:00 10.5	00:00 0	11:00 2	08:00 3	10:00 10	11:00 20	07:00 27	08:00 31	07:00 42	08:00 20	07:00 10	06:00 2	08:00 1
PM Peak	16:00 168	23:00 61.6	23:00 51.3	20:00 10.2	12:00 0	16:00 2	12:00 5	15:00 6	14:00 22	15:00 32	17:00 49	16:00 62	17:00 22	17:00 14	15:00 4	12:00 1

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	3	67.0	62.5	4.3	0	0	0	0	0	0	0	0	1	2	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	-	65.0	-	0	0	0	0	0	0	0	0	0	1	0	0
04:00	7	68.7	58.2	10.1	0	0	0	0	0	1	0	1	3	1	1	0
05:00	38	64.7	56.6	7.7	0	0	0	0	0	1	6	12	8	9	2	0
06:00	55	68.0	57.3	10.3	0	0	0	1	0	3	4	17	16	10	0	4
07:00	94	64.0	55.3	8.4	0	0	0	0	1	8	16	28	15	22	4	0
08:00	106	63.5	53.3	9.8	0	0	0	5	0	15	19	28	14	21	3	1
09:00	40	63.6	50.8	12.4	0	2	0	1	2	3	8	10	9	4	0	1
10:00	50	59.8	48.7	10.7	0	1	1	1	3	11	11	11	7	3	0	1
11:00	47	60.5	48.2	11.8	0	2	2	0	6	3	13	6	10	5	0	0
12:00	42	60.6	50.0	10.2	0	0	0	1	2	11	13	6	3	4	1	1
13:00	50	60.2	50.8	9.1	0	1	0	0	2	8	11	15	6	7	0	0
14:00	66	62.0	50.8	10.8	0	2	1	2	2	5	14	19	12	8	1	0
15:00	90	61.5	50.8	10.3	0	2	1	0	11	7	16	21	18	14	0	0
16:00	100	61.5	52.2	9.0	0	0	0	2	4	16	20	26	14	15	3	0
17:00	92	60.6	53.4	7.0	0	0	0	0	1	4	27	27	23	7	3	0
18:00	47	63.7	52.7	10.7	0	0	1	1	2	6	9	11	7	7	3	0
19:00	32	65.1	54.5	10.3	0	1	0	0	0	1	6	10	6	7	1	0
20:00	19	62.6	52.5	9.8	0	0	1	0	0	3	2	4	6	3	0	0
21:00	11	68.6	54.5	13.6	0	0	0	0	3	0	0	3	2	1	2	0
22:00	17	65.1	53.5	11.2	0	0	0	0	2	0	5	4	3	2	0	1
23:00	5	62.3	57.0	5.1	0	0	0	0	0	0	0	2	2	1	0	0
Total																
2H(10-12)	97	60.1	48.5	11.2	0	3	3	1	9	14	24	17	17	8	0	1
2H(14-16)	156	61.7	50.8	10.5	0	4	2	2	13	12	30	40	30	22	1	0
12H(7-19)	824	62.2	51.9	9.9	0	10	6	13	36	97	177	208	138	117	18	4
24H(0-24)	1012	63.0	52.6	10.0	0	11	7	14	41	106	200	261	185	154	24	9
AM Peak	08:00 106	04:00 68.7	03:00 65.0	09:00 12.4	00:00 0	09:00 2	11:00 2	08:00 5	11:00 6	08:00 15	08:00 19	07:00 28	06:00 16	07:00 22	07:00 4	06:00 4
PM Peak	16:00 100	21:00 68.6	23:00 57.0	21:00 13.6	12:00 0	14:00 2	14:00 1	14:00 2	15:00 11	16:00 16	17:00 27	17:00 27	17:00 23	16:00 15	16:00 3	12:00 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<70	Bin 11 70<80	Bin 12 >=80
00:00	3	67.0	62.5	4.3	0	0	0	0	0	0	0	0	1	2	0	0
01:00	1	-	42.5	-	0	0	0	0	0	1	0	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	2	65.0	65.0	0.0	0	0	0	0	0	0	0	0	0	2	0	0
04:00	13	65.2	53.8	11.0	0	0	0	0	2	1	1	3	3	2	1	0
05:00	55	63.5	55.3	7.9	0	0	0	0	1	3	8	20	9	12	2	0
06:00	120	65.1	54.8	10.0	0	1	0	1	3	7	21	35	27	19	2	4
07:00	224	60.8	52.5	8.0	0	0	0	1	4	35	46	70	31	32	5	0
08:00	222	62.0	51.9	9.7	0	0	3	6	8	30	50	53	34	31	5	2
09:00	119	60.2	49.6	10.3	0	3	0	1	10	23	23	29	17	11	1	1
10:00	116	56.1	45.7	10.0	0	1	2	11	15	28	28	15	8	6	1	1
11:00	133	57.1	46.2	10.5	0	4	2	4	26	25	25	19	18	10	0	0
12:00	128	57.6	47.6	9.7	0	0	5	1	14	29	36	24	10	6	1	2
13:00	120	56.9	47.0	9.6	0	2	2	3	16	28	26	25	8	9	1	0
14:00	163	57.6	47.8	9.4	0	2	2	5	24	24	40	34	19	12	1	0
15:00	214	59.0	48.9	9.7	0	2	3	6	22	39	45	50	24	19	4	0
16:00	268	60.3	51.3	8.7	0	2	0	3	8	39	64	88	32	24	7	1
17:00	256	59.8	51.9	7.7	0	1	2	0	7	18	76	81	45	21	5	0
18:00	118	60.0	49.8	9.9	0	1	2	2	7	25	26	24	16	12	3	0
19:00	75	62.1	52.0	9.8	0	1	0	3	1	11	12	23	9	14	1	0
20:00	40	61.1	50.6	10.1	0	0	1	0	2	8	10	8	6	4	0	1
21:00	30	62.5	51.4	10.7	0	0	0	1	4	4	3	9	4	3	2	0
22:00	25	61.5	50.0	11.1	0	0	0	2	2	2	9	4	3	2	0	1
23:00	11	62.5	53.9	8.3	0	0	0	0	1	1	0	4	3	2	0	0
Total																
2H(10-12)	249	56.6	46.0	10.2	0	5	4	15	41	53	53	34	26	16	1	1
2H(14-16)	377	58.4	48.4	9.6	0	4	5	11	46	63	85	84	43	31	5	0
12H(7-19)	2081	59.6	49.8	9.5	0	18	23	43	161	343	485	512	262	193	34	7
24H(0-24)	2458	60.3	50.3	9.7	0	20	24	50	177	381	550	619	327	255	42	13
AM Peak	07:00 224	00:00 67.0	03:00 65.0	04:00 11.0	00:00 0	11:00 4	08:00 3	10:00 11	11:00 26	07:00 35	08:00 50	07:00 70	08:00 34	07:00 32	07:00 5	06:00 4
PM Peak	16:00 268	21:00 62.5	23:00 53.9	22:00 11.1	12:00 0	13:00 2	12:00 5	15:00 6	14:00 24	15:00 39	17:00 76	16:00 88	17:00 45	16:00 24	16:00 7	12:00 2

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

07/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
01:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
03:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	9	59.7	52.8	6.7	0	0	0	0	0	1	2	3	2	1	0	0
05:00	14	62.6	52.7	9.6	0	0	0	0	2	2	0	4	3	3	0	0
06:00	56	60.7	53.2	7.2	0	0	0	0	0	4	15	19	12	5	0	1
07:00	118	59.7	51.6	7.9	0	0	2	1	2	11	32	39	19	10	2	0
08:00	114	60.6	49.4	10.8	0	1	5	0	8	19	32	24	11	8	6	0
09:00	71	57.9	48.6	9.0	0	0	3	0	6	15	17	13	11	6	0	0
10:00	94	56.5	47.3	8.9	0	1	2	1	13	17	25	20	13	0	2	0
11:00	86	56.4	46.7	9.4	0	0	1	5	9	25	24	11	6	2	2	1
12:00	89	53.9	44.2	9.4	0	3	1	8	10	26	17	16	6	2	0	0
13:00	73	54.2	45.6	8.3	0	0	0	5	13	23	9	16	4	2	1	0
14:00	104	54.9	46.6	8.0	0	0	1	5	13	25	27	23	5	4	1	0
15:00	122	55.9	46.6	8.9	0	0	6	6	12	22	30	30	12	3	1	0
16:00	137	57.1	50.1	6.8	0	0	0	0	8	18	45	44	14	6	2	0
17:00	165	58.6	51.3	7.1	0	0	0	0	6	26	38	50	32	11	2	0
18:00	51	60.6	50.6	9.6	0	0	0	1	3	12	11	9	10	3	1	1
19:00	33	59.2	48.2	10.6	0	0	1	5	1	3	8	7	4	4	0	0
20:00	28	59.9	48.8	10.7	0	0	2	0	2	5	5	9	2	2	1	0
21:00	23	56.8	48.5	8.0	0	0	0	1	2	5	6	3	5	1	0	0
22:00	12	54.1	45.2	8.6	0	0	0	0	4	3	3	0	1	1	0	0
23:00	3	57.1	49.2	7.6	0	0	0	0	0	1	1	0	1	0	0	0
Total																
2H(10-12)	180	56.4	47.0	9.1	0	1	3	6	22	42	49	31	19	2	4	1
2H(14-16)	226	55.4	46.6	8.5	0	0	7	11	25	47	57	53	17	7	2	0
12H(7-19)	1224	57.6	48.5	8.8	0	5	21	32	103	239	307	295	143	57	20	2
24H(0-24)	1407	57.9	48.7	8.9	0	5	24	38	114	266	348	340	174	74	21	3
AM Peak	07:00	05:00	02:00	08:00	00:00	08:00	08:00	11:00	10:00	11:00	07:00	07:00	07:00	07:00	08:00	06:00
	118	62.6	57.5	10.8	0	1	5	5	13	25	32	39	19	10	6	1
PM Peak	17:00	18:00	17:00	20:00	12:00	12:00	15:00	12:00	13:00	12:00	16:00	17:00	17:00	17:00	16:00	18:00
	165	60.6	51.3	10.7	0	3	6	8	13	26	45	50	32	11	2	1

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	47.5	-	0	0	0	0	0	0	1	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	49.8	42.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
04:00	5	62.8	56.0	6.5	0	0	0	0	0	0	1	1	2	1	0	0
05:00	37	64.4	55.8	8.3	0	0	0	0	1	2	2	15	10	4	3	0
06:00	60	65.8	55.6	9.8	0	1	0	0	2	1	10	15	14	14	3	0
07:00	97	65.4	55.6	9.4	0	0	0	0	2	9	12	31	19	17	5	2
08:00	86	66.6	55.7	10.5	0	1	0	0	2	5	14	27	12	17	7	1
09:00	63	62.1	51.2	10.5	0	2	0	1	1	4	23	13	10	8	0	1
10:00	51	59.4	48.8	10.3	0	1	0	2	6	9	8	13	7	4	1	0
11:00	58	59.2	49.7	9.1	0	1	0	0	3	10	20	12	5	6	1	0
12:00	47	59.9	49.0	10.5	0	2	0	0	4	9	8	10	10	4	0	0
13:00	54	59.7	50.9	8.5	0	0	0	0	2	11	16	14	3	6	2	0
14:00	60	62.1	50.5	11.2	0	2	2	0	3	6	9	20	10	7	1	0
15:00	67	62.8	51.6	10.8	0	0	1	5	6	7	6	12	17	12	1	0
16:00	81	66.4	53.2	12.7	0	4	0	0	3	9	8	22	15	14	6	0
17:00	81	64.1	54.5	9.2	0	0	0	0	2	4	23	23	10	15	2	2
18:00	56	64.5	52.5	11.7	0	1	0	2	4	5	8	14	12	8	0	2
19:00	36	63.2	52.7	10.1	0	0	0	1	1	5	9	9	4	4	3	0
20:00	27	64.6	54.3	10.0	0	0	0	1	0	3	5	8	3	5	2	0
21:00	20	62.7	53.8	8.6	0	0	0	0	0	3	6	3	2	6	0	0
22:00	13	64.8	51.2	13.1	0	1	0	0	0	2	2	1	5	2	0	0
23:00	6	57.7	51.7	5.8	0	0	0	0	0	1	1	2	2	0	0	0
Total																
2H(10-12)	109	59.3	49.3	9.6	0	2	0	2	9	19	28	25	12	10	2	0
2H(14-16)	127	62.5	51.1	11.0	0	2	3	5	9	13	15	32	27	19	2	0
12H(7-19)	801	63.4	52.4	10.6	0	14	3	10	38	88	155	211	130	118	26	8
24H(0-24)	1008	63.6	52.8	10.5	0	16	3	12	43	105	193	265	172	154	37	8
AM Peak	07:00	08:00	04:00	09:00	00:00	09:00	00:00	10:00	10:00	11:00	09:00	07:00	07:00	07:00	08:00	07:00
	97	66.6	56.0	10.5	0	2	0	2	6	10	23	31	19	17	7	2
PM Peak	16:00	16:00	17:00	22:00	12:00	16:00	14:00	15:00	15:00	13:00	17:00	17:00	15:00	17:00	16:00	17:00
	81	66.4	54.5	13.1	0	4	2	5	6	11	23	23	17	15	6	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
01:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
02:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
03:00	3	47.7	42.5	5.0	0	0	0	0	1	1	1	0	0	0	0	0
04:00	14	60.7	53.9	6.6	0	0	0	0	0	1	3	4	4	2	0	0
05:00	51	63.9	55.0	8.7	0	0	0	0	3	4	2	19	13	7	3	0
06:00	116	63.5	54.4	8.7	0	1	0	0	2	5	25	34	26	19	3	1
07:00	215	62.5	53.4	8.8	0	0	2	1	4	20	44	70	38	27	7	2
08:00	200	63.6	52.1	11.1	0	2	5	0	10	24	46	51	23	25	13	1
09:00	134	60.0	49.8	9.8	0	2	3	1	7	19	40	26	21	14	0	1
10:00	145	57.5	47.8	9.4	0	2	2	3	19	26	33	33	20	4	3	0
11:00	144	57.6	47.9	9.4	0	1	1	5	12	35	44	23	11	8	3	1
12:00	136	56.2	45.8	10.0	0	5	1	8	14	35	25	26	16	6	0	0
13:00	127	56.9	47.9	8.7	0	0	0	5	15	34	25	30	7	8	3	0
14:00	164	57.8	48.0	9.4	0	2	3	5	16	31	36	43	15	11	2	0
15:00	189	58.7	48.4	9.9	0	0	7	11	18	29	36	42	29	15	2	0
16:00	218	61.1	51.2	9.5	0	4	0	0	11	27	53	66	29	20	8	0
17:00	246	60.6	52.4	8.0	0	0	0	0	8	30	61	73	42	26	4	2
18:00	107	62.7	51.6	10.7	0	1	0	3	7	17	19	23	22	11	1	3
19:00	69	61.5	50.5	10.5	0	0	1	6	2	8	17	16	8	8	3	0
20:00	55	62.5	51.5	10.6	0	0	2	1	2	8	10	17	5	7	3	0
21:00	43	59.9	50.9	8.6	0	0	0	1	2	8	12	6	7	7	0	0
22:00	25	60.1	48.3	11.4	0	1	0	0	4	5	5	1	6	3	0	0
23:00	9	57.2	50.8	6.1	0	0	0	0	0	2	2	2	3	0	0	0
Total																
2H(10-12)	289	57.5	47.9	9.4	0	3	3	8	31	61	77	56	31	12	6	1
2H(14-16)	353	58.3	48.2	9.7	0	2	10	16	34	60	72	85	44	26	4	0
12H(7-19)	2025	60.2	50.0	9.8	0	19	24	42	141	327	462	506	273	175	46	10
24H(0-24)	2415	60.5	50.4	9.8	0	21	27	50	157	371	541	605	346	228	58	11
AM Peak	07:00 215	05:00 63.9	02:00 57.5	08:00 11.1	00:00 0	08:00 2	08:00 5	11:00 5	10:00 19	11:00 35	08:00 46	07:00 70	07:00 38	07:00 27	08:00 13	07:00 2
PM Peak	17:00 246	18:00 62.7	17:00 52.4	22:00 11.4	12:00 0	12:00 5	15:00 7	15:00 11	15:00 18	12:00 35	17:00 61	17:00 73	17:00 42	17:00 26	16:00 8	18:00 3

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

08/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	3	51.6	40.8	10.4	0	0	0	1	1	0	0	1	0	0	0	0
01:00	1	-	47.5	-	0	0	0	0	0	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	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
04:00	4	63.4	55.6	7.5	0	0	0	0	0	0	1	1	1	1	0	0
05:00	16	64.6	54.7	9.6	0	0	0	0	1	0	4	4	5	0	2	0
06:00	58	61.9	53.7	8.0	0	0	0	0	1	5	15	14	13	8	2	0
07:00	117	59.2	52.2	6.7	0	0	0	1	2	12	25	46	17	14	0	0
08:00	99	58.6	50.3	8.0	0	0	0	3	3	13	38	19	13	8	2	0
09:00	88	55.4	47.2	8.0	0	1	1	3	8	18	23	21	12	1	0	0
10:00	101	52.8	42.7	9.8	0	1	9	9	14	33	10	18	3	4	0	0
11:00	65	54.8	47.2	7.3	0	0	1	1	9	14	15	14	11	0	0	0
12:00	93	53.8	44.9	8.5	0	1	1	2	20	31	16	10	9	2	1	0
13:00	96	53.7	43.2	10.2	0	4	3	10	14	23	14	21	5	2	0	0
14:00	100	56.4	48.2	8.0	0	0	2	1	13	17	22	29	11	5	0	0
15:00	115	57.8	47.4	10.0	0	1	7	2	8	22	31	25	9	9	1	0
16:00	164	58.2	48.4	9.5	0	0	8	0	17	30	39	37	20	10	3	0
17:00	171	60.3	51.2	8.8	0	1	1	0	8	23	51	39	27	17	3	1
18:00	71	59.5	50.4	8.7	0	0	1	1	6	12	13	15	15	8	0	0
19:00	48	57.7	47.3	10.0	0	0	2	3	3	13	11	6	4	6	0	0
20:00	32	56.9	48.0	8.6	0	0	0	0	4	11	7	3	5	1	1	0
21:00	20	55.7	48.8	6.7	0	0	0	0	3	2	6	5	4	0	0	0
22:00	15	60.7	47.7	12.6	0	0	1	3	0	2	1	3	3	2	0	0
23:00	4	53.7	48.8	4.8	0	0	0	0	0	1	1	2	0	0	0	0
Total																
2H(10-12)	166	53.9	44.5	9.1	0	1	10	10	23	47	25	32	14	4	0	0
2H(14-16)	215	57.2	47.8	9.1	0	1	9	3	21	39	53	54	20	14	1	0
12H(7-19)	1280	57.6	48.0	9.2	0	9	34	33	122	248	297	294	152	80	10	1
24H(0-24)	1484	57.9	48.3	9.2	0	9	37	40	135	282	346	334	187	98	15	1
AM Peak	07:00 117	05:00 64.6	04:00 55.6	00:00 10.4	00:00 0	09:00 1	10:00 9	10:00 9	10:00 14	10:00 33	08:00 38	07:00 46	07:00 17	07:00 14	05:00 2	00:00 0
PM Peak	17:00 171	22:00 60.7	17:00 51.2	22:00 12.6	12:00 0	13:00 4	16:00 8	13:00 10	12:00 20	12:00 31	17:00 51	17:00 39	17:00 27	17:00 17	16:00 3	17:00 1

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	3	65.9	51.7	13.8	0	0	0	0	1	0	0	1	0	1	0	0
01:00	1	-	37.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	3	56.8	50.8	5.8	0	0	0	0	0	0	2	0	1	0	0	0
04:00	3	58.8	55.8	2.9	0	0	0	0	0	0	0	1	2	0	0	0
05:00	32	66.3	55.2	10.7	0	1	0	0	0	0	8	6	9	6	2	0
06:00	59	65.6	55.8	9.5	0	0	1	0	1	5	5	17	14	12	4	0
07:00	101	66.2	55.6	10.2	0	0	0	0	3	8	22	24	15	21	5	3
08:00	100	65.3	53.2	11.7	0	2	0	0	5	7	28	26	11	14	3	4
09:00	61	63.0	50.5	12.0	0	1	3	0	3	14	7	9	15	7	1	1
10:00	54	60.4	49.2	10.8	0	1	0	2	4	15	8	9	8	5	2	0
11:00	66	59.4	48.2	10.8	0	2	0	2	6	18	10	12	8	7	1	0
12:00	60	62.0	47.7	13.8	0	4	3	2	6	3	10	16	9	5	2	0
13:00	62	61.4	49.1	11.9	0	1	2	3	5	10	13	12	8	4	4	0
14:00	79	62.5	53.4	8.8	0	0	0	1	3	10	11	24	15	12	3	0
15:00	79	62.5	49.0	13.0	0	4	0	1	14	10	11	17	8	10	4	0
16:00	92	63.4	52.5	10.5	0	1	1	0	4	12	21	19	18	11	4	1
17:00	79	64.3	55.2	8.8	0	0	0	0	5	2	10	29	13	17	2	1
18:00	66	62.3	52.8	9.2	0	1	1	1	2	0	16	19	15	11	0	0
19:00	35	62.1	55.0	6.9	0	0	0	0	0	0	11	9	6	9	0	0
20:00	19	59.1	53.9	5.0	0	0	0	0	0	0	5	5	8	1	0	0
21:00	18	59.7	50.0	9.4	0	0	0	1	0	4	5	5	1	1	1	0
22:00	20	66.0	52.6	12.9	0	0	1	1	1	1	3	5	4	3	0	1
23:00	3	65.9	51.7	13.8	0	0	0	0	1	0	0	1	0	1	0	0
Total																
2H(10-12)	120	59.8	48.6	10.8	0	3	0	4	10	33	18	21	16	12	3	0
2H(14-16)	158	62.9	51.2	11.3	0	4	0	2	17	20	22	41	23	22	7	0
12H(7-19)	899	63.4	51.7	11.2	0	17	10	12	60	109	167	216	143	124	31	10
24H(0-24)	1095	63.6	52.2	11.0	0	18	12	14	65	119	206	266	188	158	38	11
AM Peak	07:00 101	05:00 66.3	04:00 55.8	00:00 13.8	00:00 0	08:00 2	09:00 3	10:00 2	11:00 6	11:00 18	08:00 28	08:00 26	07:00 15	07:00 21	07:00 5	08:00 4
PM Peak	16:00 92	22:00 66.0	17:00 55.2	12:00 13.8	12:00 0	12:00 4	12:00 3	13:00 3	15:00 14	16:00 12	16:00 21	17:00 29	16:00 18	17:00 17	13:00 4	16:00 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<70	Bin 11 70<80	Bin 12 >=80
00:00	6	59.1	46.3	12.4	0	0	0	1	2	0	0	2	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	2	53.7	50.0	3.5	0	0	0	0	0	0	1	1	0	0	0	0
03:00	4	55.2	50.0	5.0	0	0	0	0	0	0	3	0	1	0	0	0
04:00	7	61.5	55.7	5.5	0	0	0	0	0	0	1	2	3	1	0	0
05:00	48	65.7	55.1	10.2	0	1	0	0	1	0	12	10	14	6	4	0
06:00	117	63.8	54.7	8.8	0	0	1	0	2	10	20	31	27	20	6	0
07:00	218	62.8	53.8	8.7	0	0	0	1	5	20	47	70	32	35	5	3
08:00	199	62.2	51.8	10.1	0	2	0	3	8	20	66	45	24	22	5	4
09:00	149	58.8	48.5	9.9	0	2	4	3	11	32	30	30	27	8	1	1
10:00	155	55.9	45.0	10.6	0	2	9	11	18	48	18	27	11	9	2	0
11:00	131	57.3	47.7	9.2	0	2	1	3	15	32	25	26	19	7	1	0
12:00	153	57.3	46.0	10.9	0	5	4	4	26	34	26	26	18	7	3	0
13:00	158	57.2	45.5	11.2	0	5	5	13	19	33	27	33	13	6	4	0
14:00	179	59.5	50.5	8.7	0	0	2	2	16	27	33	53	26	17	3	0
15:00	194	59.8	48.0	11.3	0	5	7	3	22	32	42	42	17	19	5	0
16:00	256	60.3	49.9	10.0	0	1	9	0	21	42	60	56	38	21	7	1
17:00	250	61.8	52.5	9.0	0	1	1	0	13	25	61	68	40	34	5	2
18:00	137	60.9	51.6	9.0	0	1	2	2	8	12	29	34	30	19	0	0
19:00	83	60.5	50.5	9.6	0	0	2	3	3	13	22	15	10	15	0	0
20:00	51	58.5	50.2	8.0	0	0	0	0	4	11	12	8	13	2	1	0
21:00	38	57.6	49.3	8.0	0	0	0	1	3	6	11	10	5	1	1	0
22:00	35	63.8	50.5	12.8	0	0	2	4	1	3	4	8	7	5	0	1
23:00	7	59.1	50.0	8.8	0	0	0	0	1	1	1	3	0	1	0	0
Total																
2H(10-12)	286	56.6	46.2	10.0	0	4	10	14	33	80	43	53	30	16	3	0
2H(14-16)	373	59.8	49.2	10.2	0	5	9	5	38	59	75	95	43	36	8	

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

09/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	42.5	-	0	0	0	0	0	1	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	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
04:00	10	59.3	52.8	6.3	0	0	0	0	0	1	2	4	2	1	0	0
05:00	14	59.9	50.7	8.8	0	0	0	1	0	2	4	3	2	2	0	0
06:00	55	63.2	54.5	8.4	0	0	0	0	0	6	11	14	14	8	1	1
07:00	113	60.7	51.9	8.5	0	1	2	1	0	12	27	34	20	16	0	0
08:00	108	60.8	51.4	9.1	0	1	0	0	6	16	27	25	20	9	4	0
09:00	87	54.1	46.4	7.3	0	0	1	3	12	19	23	25	2	1	1	0
10:00	90	53.5	46.0	7.3	0	0	3	1	14	17	28	21	5	1	0	0
11:00	99	59.2	48.9	9.9	0	0	2	2	12	18	26	16	13	7	2	1
12:00	82	57.1	47.7	9.1	0	2	0	3	6	15	26	15	10	5	0	0
13:00	110	58.9	48.6	9.9	0	2	1	7	7	9	38	25	11	8	2	0
14:00	103	56.4	47.5	8.6	0	0	0	4	16	23	27	13	14	4	2	0
15:00	111	61.1	51.4	9.3	0	0	0	2	13	13	17	30	21	11	4	0
16:00	164	59.4	48.9	10.1	0	2	1	9	14	28	32	44	18	12	3	1
17:00	106	59.0	50.8	8.0	0	0	1	2	3	14	31	30	13	11	1	0
18:00	82	62.1	52.6	9.2	0	0	0	0	5	11	12	31	11	9	1	2
19:00	40	63.0	52.4	10.2	0	0	0	0	2	7	10	9	6	3	2	1
20:00	24	51.1	45.6	5.3	0	0	0	1	3	4	12	4	0	0	0	0
21:00	15	54.3	47.5	6.5	0	0	0	1	0	4	5	3	2	0	0	0
22:00	8	56.6	48.1	8.2	0	0	0	0	2	1	1	2	2	0	0	0
23:00	6	60.3	45.8	13.9	0	0	1	0	1	1	0	2	0	1	0	0
Total																
2H(10-12)	189	56.7	47.5	8.9	0	0	5	3	26	35	54	37	18	8	2	1
2H(14-16)	214	59.0	49.5	9.2	0	0	0	6	29	36	44	43	35	15	6	0
12H(7-19)	1255	58.9	49.4	9.2	0	8	11	34	108	195	314	309	158	94	20	4
24H(0-24)	1429	59.1	49.6	9.2	0	8	12	37	116	222	360	350	186	109	23	6
AM Peak	07:00	06:00	06:00	11:00	00:00	07:00	10:00	09:00	10:00	09:00	10:00	07:00	07:00	07:00	08:00	06:00
	113	63.2	54.5	9.9	0	1	3	3	14	19	28	34	20	16	4	1
PM Peak	16:00	19:00	18:00	23:00	12:00	12:00	13:00	16:00	14:00	16:00	13:00	16:00	15:00	16:00	15:00	18:00
	164	63.0	52.6	13.9	0	2	1	9	16	28	38	44	21	12	4	2

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
01:00	2	66.7	61.3	5.3	0	0	0	0	0	0	0	0	1	1	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	4	62.5	50.6	11.4	0	0	0	0	1	0	1	1	0	1	0	0
04:00	7	74.1	61.8	11.9	0	0	0	0	0	1	0	1	1	2	2	0
05:00	34	65.1	53.6	11.0	0	0	1	0	0	6	7	7	3	9	0	1
06:00	44	64.2	55.0	8.9	0	0	0	0	2	3	11	2	16	8	2	0
07:00	84	69.2	58.5	10.3	0	0	1	0	0	0	11	28	15	17	9	3
08:00	87	66.0	54.0	11.6	0	2	0	1	2	9	13	25	14	15	4	2
09:00	62	65.8	51.1	14.2	0	1	3	1	10	5	9	7	13	9	1	3
10:00	75	60.9	49.9	10.6	0	2	0	2	3	17	13	14	16	7	0	1
11:00	54	60.2	49.3	10.5	1	0	0	0	8	9	9	15	3	9	0	0
12:00	58	65.9	54.1	11.4	0	0	1	0	0	11	10	15	8	7	4	2
13:00	67	64.1	51.8	11.9	0	1	2	1	4	11	8	11	17	9	2	1
14:00	64	62.0	53.4	8.4	0	0	1	1	2	4	11	16	18	11	0	0
15:00	71	62.2	53.7	8.2	0	0	1	0	1	8	10	23	12	16	0	0
16:00	102	61.4	51.9	9.2	0	1	0	0	3	17	23	27	16	11	4	0
17:00	81	68.6	56.0	12.2	0	0	0	0	5	8	16	15	14	12	6	5
18:00	50	62.0	53.1	8.7	0	0	0	3	0	2	10	18	10	5	2	0
19:00	31	65.4	56.5	8.5	0	0	0	0	0	2	2	11	10	4	1	1
20:00	21	64.5	53.6	10.5	0	0	1	0	0	3	2	5	6	3	1	0
21:00	15	63.1	49.7	13.0	0	1	0	1	1	0	2	5	3	2	0	0
22:00	7	54.2	47.5	6.5	0	0	0	0	1	1	3	1	1	0	0	0
23:00	7	64.2	50.7	13.0	0	0	0	0	2	0	2	1	1	0	1	0
Total																
2H(10-12)	129	60.6	49.7	10.5	1	2	0	2	11	26	22	29	19	16	0	1
2H(14-16)	135	62.1	53.6	8.3	0	0	2	1	3	12	21	39	30	27	0	0
12H(7-19)	855	64.6	53.2	10.9	1	7	9	9	38	101	143	214	156	128	32	17
24H(0-24)	1028	64.6	53.4	10.8	1	8	11	10	45	117	173	248	199	158	39	19
AM Peak	08:00	04:00	04:00	09:00	11:00	08:00	09:00	10:00	09:00	10:00	08:00	07:00	06:00	07:00	07:00	07:00
	87	74.1	61.8	14.2	1	2	3	2	10	17	13	28	16	17	9	3
PM Peak	16:00	17:00	19:00	23:00	12:00	13:00	13:00	18:00	17:00	16:00	16:00	16:00	14:00	15:00	17:00	17:00
	102	68.6	56.5	13.0	0	1	2	3	5	17	23	27	18	16	6	5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	2	61.0	50.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
01:00	2	66.7	61.3	5.3	0	0	0	0	0	0	0	0	1	1	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	5	60.4	50.0	10.0	0	0	0	0	1	0	2	1	0	1	0	0
04:00	17	66.6	56.5	9.8	0	0	0	0	0	2	2	5	3	3	2	0
05:00	48	63.6	52.8	10.4	0	0	1	1	0	8	11	10	5	11	0	1
06:00	99	63.6	54.7	8.6	0	0	0	0	2	9	22	16	30	16	3	1
07:00	197	64.9	54.7	9.8	0	1	3	1	0	12	38	62	35	33	9	3
08:00	195	63.3	52.6	10.3	0	3	0	1	8	25	40	50	34	24	8	2
09:00	149	59.7	48.4	11.0	0	1	4	4	22	24	32	32	15	10	2	3
10:00	165	57.2	47.8	9.1	0	2	3	3	17	34	41	35	21	8	0	1
11:00	153	59.5	49.1	10.1	1	0	2	2	20	27	35	31	16	16	2	1
12:00	140	61.3	50.4	10.5	0	2	1	3	6	26	36	30	18	12	4	2
13:00	177	61.0	49.8	10.8	0	3	3	8	11	20	46	36	28	17	4	1
14:00	167	59.0	49.7	9.0	0	0	1	5	18	27	38	29	32	15	2	0
15:00	182	61.6	52.3	9.0	0	0	1	2	14	21	27	53	33	27	4	0
16:00	266	60.3	50.0	9.9	0	3	1	9	17	45	55	71	34	23	7	1
17:00	187	63.7	53.0	10.3	0	0	1	2	8	22	47	45	27	23	7	5
18:00	132	62.1	52.8	9.0	0	0	0	3	5	13	22	49	21	14	3	2
19:00	71	64.2	54.2	9.7	0	0	0	0	2	9	12	20	16	7	3	2
20:00	45	58.6	49.3	9.0	0	0	1	1	3	7	14	9	6	3	1	0
21:00	30	59.1	48.6	10.1	0	1	0	2	1	4	7	8	5	2	0	0
22:00	15	55.3	47.8	7.2	0	0	0	0	3	2	4	3	3	0	0	0
23:00	13	62.0	48.5	13.1	0	0	1	0	3	1	2	3	1	1	1	0
Total																
2H(10-12)	318	58.4	48.4	9.6	1	2	5	5	37	61	76	66	37	24	2	2
2H(14-16)	349	60.5	51.1	9.0	0	0	2	7	32	48	65	82	65	42	6	0
12H(7-19)	2110	61.4	51.0	10.1	1	15	20	43	146	296	457	523	314	222	52	21
24H(0-24)	2457	61.6	51.2	10.1	1	16	23	47	161	339	533	598	385	267	62	25
AM Peak	07:00 197	01:00 66.7	01:00 61.3	09:00 11.0	11:00 1	08:00 3	09:00 4	09:00 4	09:00 22	10:00 34	10:00 41	07:00 62	07:00 35	07:00 33	07:00 9	07:00 3
PM Peak	16:00 266	19:00 64.2	19:00 54.2	23:00 13.1	12:00 0	13:00 3	13:00 3	16:00 9	14:00 18	16:00 45	16:00 55	16:00 71	16:00 34	15:00 27	16:00 7	17:00 5

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

10/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	10	67.4	55.8	11.2	0	0	0	0	1	1	1	1	3	2	1	0
01:00	3	56.2	42.5	13.2	0	0	0	1	1	0	0	0	1	0	0	0
02:00	6	53.6	45.8	7.5	0	0	0	1	0	1	2	2	0	0	0	0
03:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	3	73.5	60.0	13.0	0	0	0	0	0	0	0	2	0	0	1	0
05:00	8	56.5	48.8	7.4	0	0	0	1	0	0	3	3	1	0	0	0
06:00	19	64.0	51.4	12.1	0	1	0	0	0	2	6	3	4	2	1	0
07:00	32	63.8	50.6	12.7	0	2	0	0	1	6	5	7	3	8	0	0
08:00	57	58.6	48.3	9.9	0	2	0	1	4	11	11	18	7	2	1	0
09:00	84	57.4	46.6	10.4	0	4	0	4	7	17	17	23	7	5	0	0
10:00	62	60.6	47.4	12.8	0	6	1	0	2	8	10	22	9	4	0	0
11:00	80	56.7	41.3	14.9	0	15	1	2	5	17	22	11	3	3	0	1
12:00	107	53.4	36.6	16.2	0	33	5	3	3	20	17	17	7	2	0	0
13:00	134	52.3	35.2	16.4	2	39	12	4	9	24	18	16	3	6	1	0
14:00	143	46.3	31.4	14.4	0	43	36	2	7	24	17	7	5	2	0	0
15:00	129	48.0	31.2	16.3	0	53	16	7	5	13	9	16	8	2	0	0
16:00	74	57.7	39.3	17.8	0	19	7	1	3	6	12	14	9	1	1	1
17:00	76	59.2	48.5	10.4	0	4	0	0	1	14	26	15	11	4	1	0
18:00	50	60.7	49.7	10.7	0	2	0	0	4	5	13	15	5	5	1	0
19:00	36	58.7	47.0	11.3	0	1	1	0	6	9	6	4	6	2	1	0
20:00	12	62.9	51.3	11.3	0	0	0	0	2	2	2	2	2	1	1	0
21:00	14	56.9	52.1	4.6	0	0	0	0	0	1	3	6	4	0	0	0
22:00	13	63.6	49.0	14.0	0	0	0	1	2	4	1	2	1	1	0	1
23:00	6	67.2	51.3	15.4	0	0	0	1	1	1	0	0	0	3	0	0
Total																
2H(10-12)	142	58.7	43.9	14.3	0	21	2	2	7	25	32	33	12	7	0	1
2H(14-16)	272	47.1	31.3	15.3	0	96	52	9	12	37	26	23	13	4	0	0
12H(7-19)	1028	56.1	39.6	15.9	2	222	78	24	51	165	177	181	77	44	5	2
24H(0-24)	1159	57.2	40.8	15.8	2	224	79	29	64	187	201	206	99	55	10	3
AM Peak	09:00	04:00	04:00	11:00	00:00	11:00	10:00	09:00	09:00	09:00	11:00	09:00	10:00	07:00	00:00	11:00
	84	73.5	60.0	14.9	0	15	1	4	7	17	22	23	9	8	1	1
PM Peak	14:00	23:00	21:00	16:00	13:00	15:00	14:00	15:00	13:00	13:00	17:00	12:00	17:00	13:00	13:00	16:00
	143	67.2	52.1	17.8	2	53	36	7	9	24	26	17	11	6	1	1

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	5	79.0	59.0	19.3	0	0	0	0	1	1	0	0	0	2	0	1
01:00	3	66.9	55.0	11.5	0	0	0	0	0	1	0	0	1	1	0	0
02:00	2	69.1	56.3	12.4	0	0	0	0	0	0	1	0	0	1	0	0
03:00	2	42.5	42.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
04:00	2	91.4	71.3	19.4	0	0	0	0	0	0	0	0	1	0	0	1
05:00	22	68.0	54.4	13.0	0	1	0	0	0	1	7	4	1	6	2	0
06:00	13	65.3	58.8	6.3	0	0	0	0	0	0	0	3	7	2	1	0
07:00	45	68.9	56.6	11.8	0	0	0	0	1	5	8	11	8	4	6	2
08:00	59	65.1	52.1	12.6	0	2	3	0	2	4	10	12	11	14	1	0
09:00	50	66.7	51.3	14.9	0	4	1	0	4	3	4	14	7	10	3	0
10:00	48	63.4	52.7	10.3	0	1	0	0	2	7	7	13	7	10	1	0
11:00	49	60.9	48.9	11.6	0	2	1	0	6	7	5	15	8	4	1	0
12:00	74	60.0	50.6	9.0	0	1	0	0	4	12	17	22	11	6	0	1
13:00	53	62.8	51.8	10.6	0	1	0	1	2	9	8	14	10	5	3	0
14:00	46	59.9	51.8	7.9	0	0	0	1	1	6	10	15	8	4	1	0
15:00	46	58.6	49.8	8.5	0	0	0	0	3	17	2	12	8	3	1	0
16:00	34	61.5	54.5	6.8	0	0	0	0	0	2	7	11	7	7	0	0
17:00	43	62.7	52.8	9.6	0	0	0	1	3	2	11	12	7	4	3	0
18:00	29	66.8	56.2	10.2	0	0	0	0	0	4	5	5	6	7	1	1
19:00	20	63.6	53.8	9.5	0	0	0	0	1	4	1	5	5	3	1	0
20:00	13	60.1	52.5	7.3	0	0	0	0	0	2	3	4	2	2	0	0
21:00	10	58.6	50.3	8.0	0	0	0	0	0	4	1	2	2	1	0	0
22:00	9	64.5	57.2	7.0	0	0	0	0	0	0	2	1	3	3	0	0
23:00	8	71.3	58.8	12.1	0	0	0	0	0	0	2	1	3	1	0	1
Total																
2H(10-12)	97	62.3	50.8	11.1	0	3	1	0	8	14	12	28	15	14	2	0
2H(14-16)	92	59.3	50.8	8.2	0	0	0	1	4	23	12	27	16	7	2	0
12H(7-19)	576	63.3	52.1	10.7	0	11	5	3	28	78	94	156	98	78	21	4
24H(0-24)	685	63.8	52.6	10.8	0	12	5	3	30	93	111	176	123	100	25	7
AM Peak	08:00	04:00	04:00	04:00	00:00	09:00	08:00	00:00	11:00	10:00	08:00	11:00	08:00	08:00	07:00	07:00
	59	91.4	71.3	19.4	0	4	3	0	6	7	10	15	11	14	6	2
PM Peak	12:00	23:00	23:00	23:00	12:00	12:00	12:00	13:00	12:00	15:00	12:00	12:00	12:00	16:00	13:00	12:00
	74	71.3	58.8	12.1	0	1	0	1	4	17	17	22	11	7	3	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<70	Bin 11 70<80	Bin 12 >=80
00:00	15	71.1	56.8	13.8	0	0	0	0	2	2	1	1	3	4	1	1
01:00	6	62.2	48.8	13.0	0	0	0	1	1	1	0	0	2	1	0	0
02:00	8	58.0	48.4	9.3	0	0	0	1	0	1	3	2	0	1	0	0
03:00	3	42.5	42.5	0.0	0	0	0	0	0	3	0	0	0	0	0	0
04:00	5	79.8	64.5	14.7	0	0	0	0	0	0	0	2	1	0	1	1
05:00	30	65.3	52.9	12.0	0	1	0	1	0	1	10	7	2	6	2	0
06:00	32	65.5	54.5	10.7	0	1	0	0	0	2	6	6	11	4	2	0
07:00	77	67.0	54.1	12.5	0	2	0	0	2	11	13	18	11	12	6	2
08:00	116	62.1	50.2	11.4	0	4	3	1	6	15	21	30	18	16	2	0
09:00	134	61.3	48.4	12.4	0	8	1	4	11	20	21	37	14	15	3	0
10:00	110	62.1	49.7	12.0	0	7	1	0	4	15	17	35	16	14	1	0
11:00	129	58.9	44.2	14.2	0	17	2	2	11	24	27	26	11	7	1	1
12:00	181	58.2	42.3	15.3	0	34	5	3	7	32	34	39	18	8	0	1
13:00	187	57.3	39.9	16.8	2	40	12	5	11	33	26	30	13	11	4	0
14:00	189	52.7	36.3	15.8	0	43	36	3	8	30	27	22	13	6	1	0
15:00	175	53.4	36.1	16.8	0	53	16	7	8	30	11	28	16	5	1	0
16:00	108	61.4	44.1	16.7	0	19	7	1	3	8	19	25	16	8	1	1
17:00	119	60.7	50.0	10.3	0	4	0	1	4	16	37	27	18	8	4	0
18:00	79	63.4	52.1	10.9	0	2	0	0	4	9	18	20	11	12	2	1
19:00	56	60.9	49.4	11.1	0	1	1	0	7	13	7	9	11	5	2	0
20:00	25	61.5	51.9	9.2	0	0	0	0	2	4	5	6	4	3	1	0
21:00	24	57.7	51.4	6.2	0	0	0	0	0	5	4	8	6	1	0	0
22:00	22	65.0	52.4	12.2	0	0	0	1	2	4	3	3	4	4	0	1
23:00	14	69.6	55.5	13.6	0	0	0	1	1	1	2	1	3	4	0	1
Total																
2H(10-12)	239	60.7	46.7	13.5	0	24	3	2	15	39	44	61	27	21	2	1
2H(14-16)	364	53.0	36.2	16.2	0	96	52	10	16	60	38	50	29	11	2	0
12H(7-19)	1604	60.2	44.1	15.5	2	233	83	27	79	243	271	337	175	122	26	6
24H(0-24)	1844	61.0	45.2	15.2	2	236	84	32	94	280	312	382	222	155	35	10
AM Peak	09:00 134	04:00 79.8	04:00 64.5	04:00 14.7	00:00 0	11:00 17	08:00 3	09:00 4	09:00 11	11:00 24	11:00 27	09:00 37	08:00 18	08:00 16	07:00 6	07:00 2
PM Peak	14:00 189	23:00 69.6	23:00 55.5	15:00 16.8	13:00 2	15:00 53	14:00 36	15:00 7	13:00 11	13:00 33	17:00 37	12:00 39	12:00 18	18:00 12	13:00 4	12:00 1

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

11/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	2	61.0	50.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
01:00	2	71.4	51.3	19.4	0	0	0	0	1	0	0	0	0	1	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	1	0	0	0	0	0	0	0
04:00	2	54.8	47.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
05:00	6	60.1	48.8	10.9	0	0	0	1	0	1	1	2	0	1	0	0
06:00	7	60.9	44.6	15.7	0	1	0	0	0	3	1	0	1	1	0	0
07:00	9	60.6	52.8	7.5	0	0	0	0	0	2	1	2	3	1	0	0
08:00	28	57.8	44.3	13.1	0	3	1	0	2	6	6	7	1	2	0	0
09:00	48	58.9	50.2	8.4	0	1	0	1	1	6	14	10	13	2	0	0
10:00	54	61.3	48.6	12.2	0	4	0	0	1	9	15	11	10	2	2	0
11:00	78	56.1	48.8	7.1	0	0	0	1	9	13	20	21	11	3	0	0
12:00	80	58.4	47.1	10.9	0	2	1	5	15	6	17	18	9	6	1	0
13:00	69	58.2	47.2	10.6	0	0	5	3	5	16	9	19	8	3	0	1
14:00	86	57.1	49.2	7.6	0	0	0	1	11	12	20	28	9	4	1	0
15:00	77	55.0	43.5	11.2	0	4	4	4	11	20	12	14	4	4	0	0
16:00	64	58.1	46.9	10.8	0	1	1	3	11	11	18	9	2	6	2	0
17:00	84	56.3	46.5	9.5	0	0	3	5	16	7	25	15	8	4	1	0
18:00	60	58.9	47.8	10.7	0	0	2	6	6	7	12	14	9	3	0	1
19:00	26	63.4	53.6	9.5	0	0	0	1	0	3	5	9	1	6	1	0
20:00	18	54.7	45.7	8.7	0	0	0	1	5	3	4	2	2	1	0	0
21:00	13	58.1	51.2	6.7	0	0	0	0	0	3	2	5	2	1	0	0
22:00	9	51.5	44.2	7.1	0	0	0	1	1	3	3	0	1	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	132	58.5	48.7	9.5	0	4	0	1	10	22	35	32	21	5	2	0
2H(14-16)	163	56.7	46.5	9.9	0	4	4	5	22	32	32	42	13	8	1	0
12H(7-19)	737	57.9	47.4	10.2	0	15	17	29	88	115	169	168	87	40	7	2
24H(0-24)	823	58.1	47.6	10.1	0	16	17	33	96	133	185	187	95	51	8	2
AM Peak	11:00	01:00	07:00	01:00	00:00	10:00	08:00	05:00	11:00	11:00	11:00	11:00	09:00	11:00	10:00	00:00
	78	71.4	52.8	19.4	0	4	1	1	9	13	20	21	13	3	2	0
PM Peak	14:00	19:00	19:00	15:00	12:00	15:00	13:00	18:00	17:00	15:00	17:00	14:00	12:00	12:00	16:00	13:00
	86	63.4	53.6	11.2	0	4	5	6	16	20	25	28	9	6	2	1

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	3	79.6	69.2	10.1	0	0	0	0	0	0	0	0	1	0	2	0
01:00	3	57.7	52.5	5.0	0	0	0	0	0	0	1	1	1	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	1	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	13	68.7	57.7	10.6	0	0	0	0	0	1	3	2	2	3	2	0
06:00	7	80.7	56.4	23.4	0	1	0	0	0	1	1	0	0	2	1	1
07:00	24	60.8	50.3	10.1	0	1	0	0	0	1	12	5	1	4	0	0
08:00	47	65.6	53.0	12.2	0	1	3	0	0	3	7	12	10	9	2	0
09:00	54	65.4	54.2	10.8	0	0	2	1	0	1	13	14	13	7	1	2
10:00	46	65.5	51.6	13.3	0	3	0	0	0	6	10	9	11	4	2	1
11:00	37	66.2	54.6	11.2	0	0	1	1	2	2	6	6	7	10	2	0
12:00	37	61.8	47.8	13.5	0	3	2	1	0	4	3	16	4	4	0	0
13:00	52	62.0	51.3	10.3	0	2	0	0	2	4	10	18	10	5	1	0
14:00	31	63.7	52.3	10.9	0	0	0	4	0	4	3	5	9	5	1	0
15:00	46	62.4	49.9	12.1	0	1	2	0	5	4	9	12	8	3	1	1
16:00	31	63.5	53.7	9.5	0	0	0	0	1	5	5	9	4	5	2	0
17:00	37	58.7	51.4	7.1	0	0	0	1	1	5	5	16	6	3	0	0
18:00	31	60.6	51.9	8.3	0	0	0	0	2	5	5	8	8	2	1	0
19:00	23	58.5	51.0	7.3	0	0	0	0	0	7	3	6	5	2	0	0
20:00	22	62.2	52.6	9.2	0	0	0	1	0	3	5	4	6	2	1	0
21:00	8	62.7	51.9	10.4	0	0	0	0	1	2	0	2	1	2	0	0
22:00	10	67.4	58.0	9.1	0	0	0	0	0	0	2	3	1	3	1	0
23:00	3	57.7	52.5	5.0	0	0	0	0	0	0	1	1	1	0	0	0
Total																
2H(10-12)	83	65.9	53.0	12.5	0	3	1	1	2	8	16	15	18	14	4	1
2H(14-16)	77	62.9	50.9	11.6	0	1	2	4	5	8	12	17	17	8	2	1
12H(7-19)	473	63.4	51.9	11.1	0	11	10	8	13	44	88	130	91	61	13	4
24H(0-24)	566	63.8	52.3	11.1	0	12	10	9	14	59	104	149	109	75	20	5
AM Peak	09:00	06:00	00:00	06:00	00:00	10:00	08:00	09:00	11:00	10:00	09:00	09:00	09:00	11:00	00:00	09:00
	54	80.7	69.2	23.4	0	3	3	1	2	6	13	14	13	10	2	2
PM Peak	13:00	22:00	22:00	12:00	12:00	12:00	12:00	14:00	15:00	19:00	13:00	13:00	13:00	13:00	16:00	15:00
	52	67.4	58.0	13.5	0	3	2	4	5	7	10	18	10	5	2	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	5	75.8	61.5	13.8	0	0	0	0	0	1	0	0	2	0	2	0
01:00	5	62.7	52.0	10.4	0	0	0	0	1	0	1	1	1	1	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	2	43.7	40.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
04:00	2	54.8	47.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
05:00	19	66.5	54.9	11.3	0	0	0	1	0	2	4	4	2	4	2	0
06:00	14	71.4	50.5	20.1	0	2	0	0	0	4	2	0	1	3	1	1
07:00	33	60.7	51.0	9.4	0	1	0	0	0	3	13	7	4	5	0	0
08:00	75	63.3	49.7	13.1	0	4	4	0	2	9	13	19	11	11	2	0
09:00	102	62.6	52.3	9.9	0	1	2	2	1	7	27	24	26	9	1	2
10:00	100	63.2	50.0	12.8	0	7	0	0	1	15	25	20	21	6	4	1
11:00	115	60.0	50.6	9.0	0	0	1	2	11	15	26	27	18	13	2	0
12:00	117	59.5	47.4	11.7	0	5	3	6	15	10	20	34	13	10	1	0
13:00	121	60.0	49.0	10.6	0	2	5	3	7	20	19	37	18	8	1	1
14:00	117	59.0	50.0	8.7	0	0	0	5	11	16	23	33	18	9	2	0
15:00	123	58.2	45.9	11.9	0	5	6	4	16	24	21	26	12	7	1	1
16:00	95	60.3	49.1	10.8	0	1	1	3	12	16	23	18	6	11	4	0
17:00	121	57.4	48.0	9.1	0	0	3	6	17	12	30	31	14	7	1	0
18:00	91	59.7	49.2	10.1	0	0	2	6	8	12	17	22	17	5	1	1
19:00	49	61.2	52.3	8.5	0	0	0	1	0	10	8	15	6	8	1	0
20:00	40	59.4	49.5	9.6	0	0	0	2	5	6	9	6	8	3	1	0
21:00	21	59.8	51.4	8.0	0	0	0	0	1	5	2	7	3	3	0	0
22:00	19	62.5	51.4	10.7	0	0	0	1	1	3	5	3	2	3	1	0
23:00	3	57.7	52.5	5.0	0	0	0	0	0	0	1	1	1	0	0	0
Total																
2H(10-12)	215	61.6	50.3	10.9	0	7	1	2	12	30	51	47	39	19	6	1
2H(14-16)	240	58.9	47.9	10.6	0	5	6	9	27	40	44	59	30	16	3	1
12H(7-19)	1210	60.3	49.2	10.8	0	26	27	37	101	159	257	298	178	101	20	6
24H(0-24)	1389	60.7	49.5	10.8	0	28	27	42	110	192	289	336	204	126	28	7
AM Peak	11:00 115	00:00 75.8	00:00 61.5	06:00 20.1	00:00 0	10:00 7	08:00 4	09:00 2	11:00 11	10:00 15	09:00 27	11:00 27	09:00 26	11:00 13	10:00 4	09:00 2
PM Peak	15:00 123	22:00 62.5	23:00 52.5	15:00 11.9	12:00 0	12:00 5	15:00 6	12:00 6	17:00 17	15:00 24	17:00 30	13:00 37	13:00 18	16:00 11	16:00 4	13:00 1

Tween Bridge ATC 15, Low Levels Bank

Direction: Westbound

12/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	2	42.5	42.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
02:00	1	-	65.0	-	0	0	0	0	0	0	0	0	0	1	0	0
03:00	2	69.1	56.3	12.4	0	0	0	0	0	0	1	0	0	1	0	0
04:00	5	67.0	61.0	5.8	0	0	0	0	0	0	0	1	1	3	0	0
05:00	13	63.4	52.1	10.8	0	0	0	0	2	2	1	3	3	1	1	0
06:00	60	61.0	52.3	8.4	0	0	0	0	4	7	11	21	8	7	2	0
07:00	130	59.1	52.5	6.3	0	0	0	1	2	3	40	50	20	13	1	0
08:00	100	60.5	52.0	8.2	0	0	1	0	3	9	31	31	10	12	3	0
09:00	112	55.4	46.4	8.7	0	2	1	1	16	30	28	18	12	3	1	0
10:00	74	52.9	44.7	7.9	0	1	1	5	9	20	23	9	5	1	0	0
11:00	93	56.1	45.0	10.7	0	5	3	0	15	19	20	20	7	4	0	0
12:00	81	55.6	46.7	8.5	0	0	1	3	12	24	12	17	8	3	1	0
13:00	76	57.2	46.2	10.6	0	2	3	6	8	9	16	20	8	4	0	0
14:00	109	57.0	47.3	9.4	0	2	2	1	14	20	25	32	10	1	1	1
15:00	123	57.8	48.9	8.5	0	2	1	1	6	28	26	34	17	8	0	0
16:00	143	60.8	50.9	9.5	0	1	4	1	2	28	23	42	26	12	4	0
17:00	142	60.8	51.8	8.7	0	0	2	2	1	23	31	36	30	14	2	1
18:00	73	62.6	52.4	9.9	0	1	0	0	2	11	18	15	13	11	1	1
19:00	40	60.0	50.3	9.4	0	0	0	0	7	7	5	7	10	3	1	0
20:00	23	61.1	49.5	11.2	0	1	0	0	3	3	2	8	3	3	0	0
21:00	17	56.5	48.5	7.7	0	0	0	0	3	3	2	7	1	1	0	0
22:00	15	54.6	43.3	10.8	0	1	0	1	3	3	3	2	2	0	0	0
23:00	2	59.8	52.5	7.1	0	0	0	0	0	0	1	0	1	0	0	0
Total																
2H(10-12)	167	54.8	44.9	9.6	0	6	4	5	24	39	43	29	12	5	0	0
2H(14-16)	232	57.5	48.2	9.0	0	4	3	2	20	48	51	66	27	9	1	1
12H(7-19)	1256	58.7	49.1	9.3	0	16	19	21	90	224	293	324	166	86	14	3
24H(0-24)	1436	59.0	49.3	9.4	0	18	19	22	112	251	319	373	195	106	18	3
AM Peak	07:00 130	03:00 69.1	02:00 65.0	03:00 12.4	00:00 0	11:00 5	11:00 3	10:00 5	09:00 16	09:00 30	07:00 40	07:00 50	07:00 20	07:00 13	08:00 3	00:00 0
PM Peak	16:00 143	18:00 62.6	23:00 52.5	20:00 11.2	12:00 0	13:00 2	16:00 4	13:00 6	14:00 14	15:00 28	17:00 31	16:00 42	17:00 30	17:00 14	16:00 4	14:00 1

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
01:00	2	59.8	52.5	7.1	0	0	0	0	0	0	1	0	1	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	5	78.1	62.0	15.6	0	0	0	0	0	0	2	0	0	2	0	1
04:00	8	66.8	58.8	7.8	0	0	0	0	0	0	0	3	3	1	1	0
05:00	40	68.1	58.9	8.8	0	0	0	0	0	0	6	9	10	11	3	1
06:00	54	65.7	56.1	9.2	0	1	0	0	0	2	5	16	17	10	3	0
07:00	88	68.2	57.5	10.4	0	0	2	0	1	1	12	26	13	25	6	2
08:00	91	65.1	53.9	10.8	0	1	0	0	2	14	15	24	16	13	3	3
09:00	62	61.9	49.9	11.6	0	3	0	1	2	7	20	12	8	7	2	0
10:00	60	61.9	50.6	10.9	0	3	0	0	1	7	15	13	15	5	1	0
11:00	45	63.2	49.4	13.3	0	3	1	2	0	2	12	12	8	4	0	1
12:00	53	64.1	49.0	14.5	0	5	0	0	5	7	8	11	6	9	2	0
13:00	59	60.4	50.0	10.0	0	0	3	2	3	7	12	12	13	7	0	0
14:00	58	60.9	49.8	10.8	0	0	3	4	3	4	14	13	7	10	0	0
15:00	64	62.1	53.0	8.8	0	1	0	0	0	8	11	21	14	7	2	0
16:00	85	64.8	54.7	9.7	0	1	0	0	2	6	17	17	23	15	3	1
17:00	86	66.3	56.1	9.8	0	1	1	0	1	3	10	24	21	21	3	1
18:00	46	66.5	55.2	10.9	0	1	0	1	1	1	9	11	6	14	2	0
19:00	29	72.2	59.3	12.4	0	0	0	0	2	1	4	4	5	8	3	2
20:00	22	67.0	56.4	10.3	0	0	0	1	0	1	2	6	6	5	0	1
21:00	17	61.7	53.5	7.9	0	0	0	1	0	0	3	7	3	3	0	0
22:00	12	65.6	57.1	8.2	0	0	0	0	1	0	1	1	5	4	0	0
23:00	2	93.7	66.3	26.5	0	0	0	0	0	0	1	0	0	0	0	1
Total																
2H(10-12)	105	62.5	50.1	11.9	0	6	1	2	1	9	27	25	23	9	1	1
2H(14-16)	122	61.7	51.5	9.9	0	1	3	4	3	12	25	34	21	17	2	0
12H(7-19)	797	64.5	52.9	11.2	0	19	10	10	21	67	155	196	150	137	24	8
24H(0-24)	990	65.2	53.8	11.1	0	20	10	12	24	71	181	242	201	181	34	14
AM Peak	08:00 91	03:00 78.1	03:00 62.0	03:00 15.6	00:00 0	09:00 3	07:00 2	11:00 2	08:00 2	08:00 14	09:00 20	07:00 26	06:00 17	07:00 25	07:00 6	08:00 3
PM Peak	17:00 86	23:00 93.7	23:00 66.3	23:00 26.5	12:00 0	12:00 5	13:00 3	14:00 4	12:00 5	15:00 8	16:00 17	17:00 24	16:00 23	17:00 21	16:00 3	19:00 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<70	Bin 11 70<80	Bin 12 ≥80
00:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
01:00	4	54.8	47.5	7.1	0	0	0	0	0	2	1	0	1	0	0	0
02:00	2	69.1	56.3	12.4	0	0	0	0	0	0	1	0	0	1	0	0
03:00	7	74.8	60.4	14.0	0	0	0	0	0	0	3	0	0	3	0	1
04:00	13	66.8	59.6	6.9	0	0	0	0	0	0	0	4	4	4	1	0
05:00	53	67.3	57.3	9.7	0	0	0	0	2	2	7	12	13	12	4	1
06:00	114	63.4	54.1	9.0	0	1	0	0	4	9	16	37	25	17	5	0
07:00	218	63.4	54.5	8.5	0	0	2	1	3	4	52	76	33	38	7	2
08:00	191	62.8	52.9	9.6	0	1	1	0	5	23	46	55	26	25	6	3
09:00	174	57.9	47.7	9.9	0	5	1	2	18	37	48	30	20	10	3	0
10:00	134	57.5	47.4	9.8	0	4	1	5	10	27	38	22	20	6	1	0
11:00	138	58.6	46.4	11.8	0	8	4	2	15	21	32	32	15	8	0	1
12:00	134	59.3	47.6	11.3	0	5	1	3	17	31	20	28	14	12	3	0
13:00	135	58.7	47.9	10.5	0	2	6	8	11	16	28	32	21	11	0	0
14:00	167	58.4	48.2	9.9	0	2	5	5	17	24	39	45	17	11	1	1
15:00	187	59.5	50.3	8.8	0	3	1	1	6	36	37	55	31	15	2	0
16:00	228	62.5	52.4	9.7	0	2	4	1	4	34	40	59	49	27	7	1
17:00	228	63.1	53.4	9.3	0	1	3	2	2	26	41	60	51	35	5	2
18:00	119	64.2	53.4	10.3	0	2	0	1	3	12	27	26	19	25	3	1
19:00	69	66.1	54.1	11.6	0	0	0	0	9	8	9	11	15	11	4	2
20:00	45	64.4	52.8	11.2	0	1	0	1	3	4	4	14	9	8	0	1
21:00	34	59.4	51.0	8.1	0	0	0	1	3	3	5	14	4	4	0	0
22:00	27	61.7	49.4	11.9	0	1	0	1	4	3	4	3	7	4	0	0
23:00	4	77.7	59.4	17.7	0	0	0	0	0	0	2	0	1	0	0	1
Total																
2H(10-12)	272	58.1	46.9	10.8	0	12	5	7	25	48	70	54	35	14	1	1
2H(14-16)	354	59.1	49.3	9.4	0	5	6	6	23	60	76	100	48	26	3	1
12H(7-19)	2053	61.2	50.6	10.2	0	35	29	31	111	291	448	520	316	223	38	11
24H(0-24)	2426	61.8	51.1	10.3	0	38	29	34	136	322	500	615	396	287	52	17
AM Peak	07:00 218	03:00 74.8	03:00 60.4	03:00 14.0	00:00 0	11:00 8	11:00 4	10:00 5	09:00 18	09:00 37	07:00 52	07:00 76	07:00 33	07:00 38	07:00 7	08:00 3
PM Peak	16:00 228	23:00 77.7	23:00 59.4	23:00 17.7	12:00 0	12:00 5	13:00 6	13:00 8	12:00 17	15:00 36	17:00 41	17:00 60	17:00 51	17:00 35	16:00 7	17:00 2



Appendix P: Automatic Traffic Survey Reports – Link 16

Tween Bridge ATC 16, A161 Eastoft Road



Direction: Southwestbound

Direction: Northeastbound

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	3	2	1	4	4	17	1	2	5
01:00	0	3	2	2	6	10	2	2	4
02:00	4	3	2	1	1	3	1	2	2
03:00	5	3	4	2	2	1	1	3	3
04:00	3	6	8	8	3	4	4	6	5
05:00	23	19	38	17	9	4	19	19	16
06:00	51	50	53	45	17	12	46	49	39
07:00	87	100	87	93	50	22	103	94	77
08:00	109	120	119	104	71	38	106	112	95
09:00	72	77	93	82	106	51	81	81	80
10:00	55	77	66	70	84	77	59	65	70
11:00	69	67	62	78	89	101	79	71	78
12:00	77	72	59	84	91	91	86	76	80
13:00	67	72	68	75	74	78	74	71	73
14:00	81	72	82	99	73	73	71	81	79
15:00	102	118	93	121	88	61	97	106	97
16:00	101	107	113	101	61	74	108	106	95
17:00	100	94	103	105	68	68	87	98	89
18:00	82	73	64	76	64	57	62	71	68
19:00	40	45	47	43	54	49	45	44	46
20:00	24	29	30	40	39	24	31	31	31
21:00	12	17	19	21	25	24	17	17	19
22:00	7	9	10	16	21	10	8	10	12
23:00	6	2	3	8	17	4	8	5	7
Total									
12H(7-19)	1002	1049	1009	1088	919	791	1013	1032	982
16H(6-22)	1129	1190	1158	1237	1054	900	1152	1173	1117
18H(6-24)	1142	1201	1171	1261	1092	914	1168	1189	1136
24H(0-24)	1180	1237	1206	1295	1117	953	1196	1223	1169
AM Peak	08:00	08:00	08:00	08:00	09:00	11:00	08:00	08:00	08:00
	109	129	119	104	106	101	106	112	95
PM Peak	15:00	15:00	16:00	15:00	12:00	12:00	16:00	15:00	15:00
	102	118	113	121	91	91	108	106	97

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Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	5	5	2	5	9	6	1	4	5
01:00	2	0	2	0	6	6	1	1	2
02:00	1	1	3	2	2	3	0	1	2
03:00	2	1	2	4	2	0	2	2	2
04:00	2	3	3	1	1	2	0	2	2
05:00	9	17	9	9	4	7	17	12	10
06:00	40	35	36	33	14	11	43	37	30
07:00	99	93	83	95	38	16	82	90	72
08:00	132	131	103	121	65	31	108	119	102
09:00	76	70	83	68	156	59	87	77	86
10:00	73	78	70	77	142	79	66	73	84
11:00	73	82	82	94	121	102	86	83	91
12:00	62	78	82	82	130	87	68	74	84
13:00	69	76	75	83	109	86	69	74	81
14:00	80	68	75	109	85	88	74	81	83
15:00	123	130	110	139	69	73	107	122	107
16:00	141	114	97	127	76	83	104	117	106
17:00	123	122	125	118	55	62	111	120	102
18:00	81	87	74	63	62	52	62	73	69
19:00	39	47	54	62	70	50	47	50	53
20:00	46	39	55	58	37	20	37	47	43
21:00	30	29	31	23	21	21	33	29	27
22:00	13	12	24	15	25	13	16	16	17
23:00	6	3	3	16	18	3	4	6	8
Total									
12H(7-19)	1132	1129	1059	1176	1128	818	1024	1104	1067
16H(6-22)	1287	1279	1235	1352	1270	920	1184	1267	1218
18H(6-24)	1306	1294	1262	1383	1313	936	1204	1290	1243
24H(0-24)	1327	1321	1283	1404	1337	960	1225	1312	1265
AM Peak	08:00	08:00	08:00	08:00	09:00	11:00	08:00	08:00	08:00
	132	131	103	121	154	102	108	119	102
PM Peak	16:00	15:00	17:00	15:00	12:00	14:00	17:00	15:00	15:00
	144	130	125	139	130	88	111	122	107

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Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	8	7	3	9	13	23	2	6	9
01:00	2	3	4	2	12	16	3	3	6
02:00	5	4	5	3	3	6	1	4	4
03:00	7	4	6	3	4	1	3	5	4
04:00	5	9	11	9	4	6	4	8	7
05:00	32	36	27	26	13	11	36	31	26
06:00	91	85	89	78	31	23	89	86	69
07:00	186	193	170	188	88	38	185	184	150
08:00	241	251	222	225	156	69	214	231	197
09:00	148	147	176	150	202	110	168	158	166
10:00	128	155	136	147	226	156	125	138	153
11:00	142	149	144	172	210	203	165	154	169
12:00	139	150	141	166	221	178	154	150	164
13:00	136	148	143	158	183	164	143	146	161
14:00	161	140	157	208	158	161	145	162	161
15:00	225	248	203	260	157	134	204	228	204
16:00	242	221	210	238	137	157	212	223	201
17:00	223	216	228	223	123	130	198	218	192
18:00	163	160	138	139	126	109	124	145	137
19:00	79	92	101	105	124	99	92	94	99
20:00	70	68	85	98	76	44	68	78	73
21:00	42	46	50	44	46	45	50	46	46
22:00	20	21	34	31	46	23	24	26	28
23:00	12	5	6	24	35	7	12	12	14
Total									
12H(7-19)	2134	2178	2068	2264	2047	1609	2037	2136	2048
16H(6-22)	2416	2469	2393	2389	2324	1820	2336	2441	2335
18H(6-24)	2408	2495	2433	2640	2405	1850	2372	2478	2378
24H(0-24)	2507	2558	2489	2699	2454	1913	2421	2535	2434
AM Peak	08:00	08:00	08:00	08:00	09:00	11:00	08:00	08:00	08:00
	241	251	222	225	242	203	214	231	197
PM Peak	16:00	15:00	17:00	15:00	12:00	12:00	16:00	15:00	15:00
	242	248	228	260	221	178	212	228	204

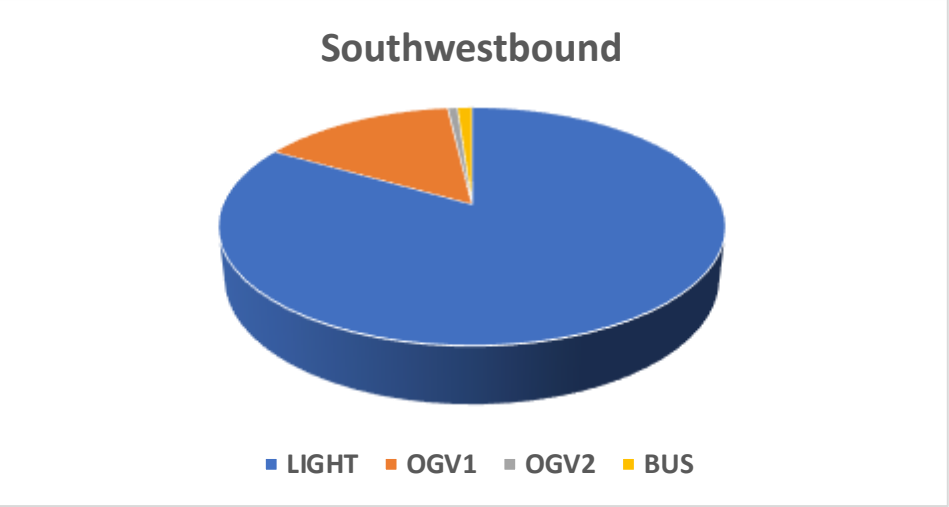
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Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1180	974	178	10	18
Wed 7 Jun 2023	1237	1011	198	14	14
Thu 8 Jun 2023	1206	986	199	8	13
Fri 9 Jun 2023	1295	1054	210	8	23
Sat 10 Jun 2023	1117	983	128	1	5
Sun 11 Jun 2023	953	849	99	3	2
Mon 12 Jun 2023	1196	962	201	17	16
5 Day Ave.	1223	997	197	11	17
7 Day Ave.	1169	974	173	9	13

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	82.5%	15.1%	0.8%	1.5%
Wed 7 Jun 2023	100.0%	81.7%	16.0%	1.1%	1.1%
Thu 8 Jun 2023	100.0%	81.8%	16.5%	0.7%	1.1%
Fri 9 Jun 2023	100.0%	81.4%	16.2%	0.6%	1.8%
Sat 10 Jun 2023	100.0%	88.0%	11.5%	0.1%	0.4%
Sun 11 Jun 2023	100.0%	89.1%	10.4%	0.3%	0.2%
Mon 12 Jun 2023	100.0%	80.4%	16.8%	1.4%	1.3%
5 Day Ave.	100.0%	81.6%	16.1%	0.9%	1.4%
7 Day Ave.	100.0%	83.3%	14.8%	0.7%	1.1%

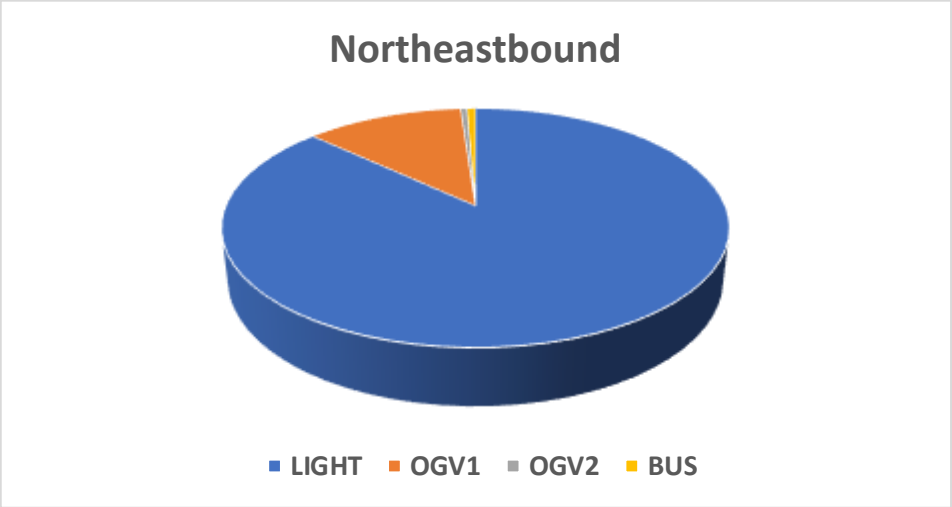
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Direction: Northeastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	1327	1180	131	4	12
Wed 7 Jun 2023	1321	1151	154	8	8
Thu 8 Jun 2023	1283	1096	175	4	8
Fri 9 Jun 2023	1404	1194	190	9	11
Sat 10 Jun 2023	1337	1203	121	8	5
Sun 11 Jun 2023	960	840	115	3	2
Mon 12 Jun 2023	1225	1030	177	7	11
5 Day Ave.	1312	1130	165	6	10
7 Day Ave.	1265	1099	152	6	8

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	88.9%	9.9%	0.3%	0.9%
Wed 7 Jun 2023	100.0%	87.1%	11.7%	0.6%	0.6%
Thu 8 Jun 2023	100.0%	85.4%	13.6%	0.3%	0.6%
Fri 9 Jun 2023	100.0%	85.0%	13.5%	0.6%	0.8%
Sat 10 Jun 2023	100.0%	90.0%	9.1%	0.6%	0.4%
Sun 11 Jun 2023	100.0%	87.5%	12.0%	0.3%	0.2%
Mon 12 Jun 2023	100.0%	84.1%	14.4%	0.6%	0.9%
5 Day Ave.	100.0%	86.1%	12.6%	0.5%	0.8%
7 Day Ave.	100.0%	86.9%	12.0%	0.5%	0.6%

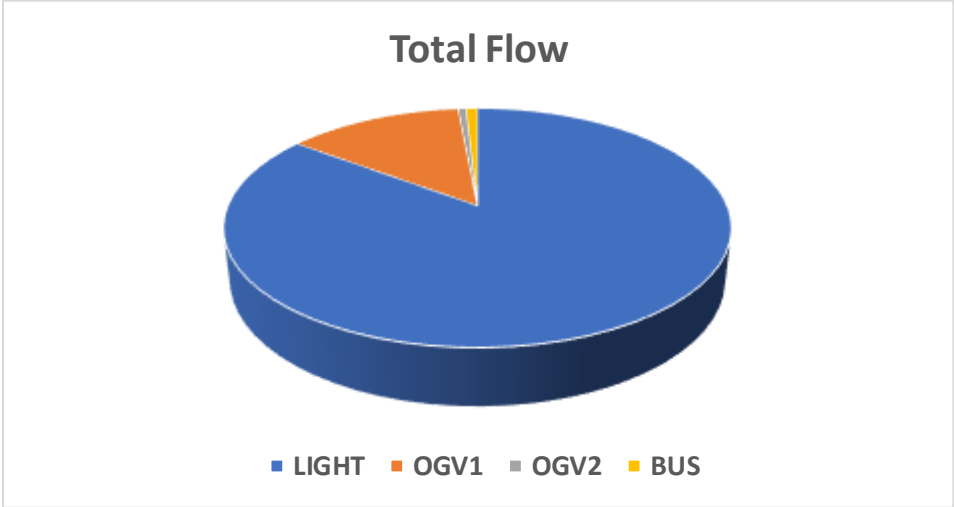
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2507	2154	309	14	30
Wed 7 Jun 2023	2558	2162	352	22	22
Thu 8 Jun 2023	2489	2082	374	12	21
Fri 9 Jun 2023	2699	2248	400	17	34
Sat 10 Jun 2023	2454	2186	249	9	10
Sun 11 Jun 2023	1913	1689	214	6	4
Mon 12 Jun 2023	2421	1992	378	24	27
5 Day Ave.	2535	2128	363	18	27
7 Day Ave.	2434	2073	325	15	21

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	85.9%	12.3%	0.6%	1.2%
Wed 7 Jun 2023	100.0%	84.5%	13.8%	0.9%	0.9%
Thu 8 Jun 2023	100.0%	83.6%	15.0%	0.5%	0.8%
Fri 9 Jun 2023	100.0%	83.3%	14.8%	0.6%	1.3%
Sat 10 Jun 2023	100.0%	89.1%	10.1%	0.4%	0.4%
Sun 11 Jun 2023	100.0%	88.3%	11.2%	0.3%	0.2%
Mon 12 Jun 2023	100.0%	82.3%	15.6%	1.0%	1.1%
5 Day Ave.	100.0%	83.9%	14.3%	0.7%	1.1%
7 Day Ave.	100.0%	85.2%	13.4%	0.6%	0.9%

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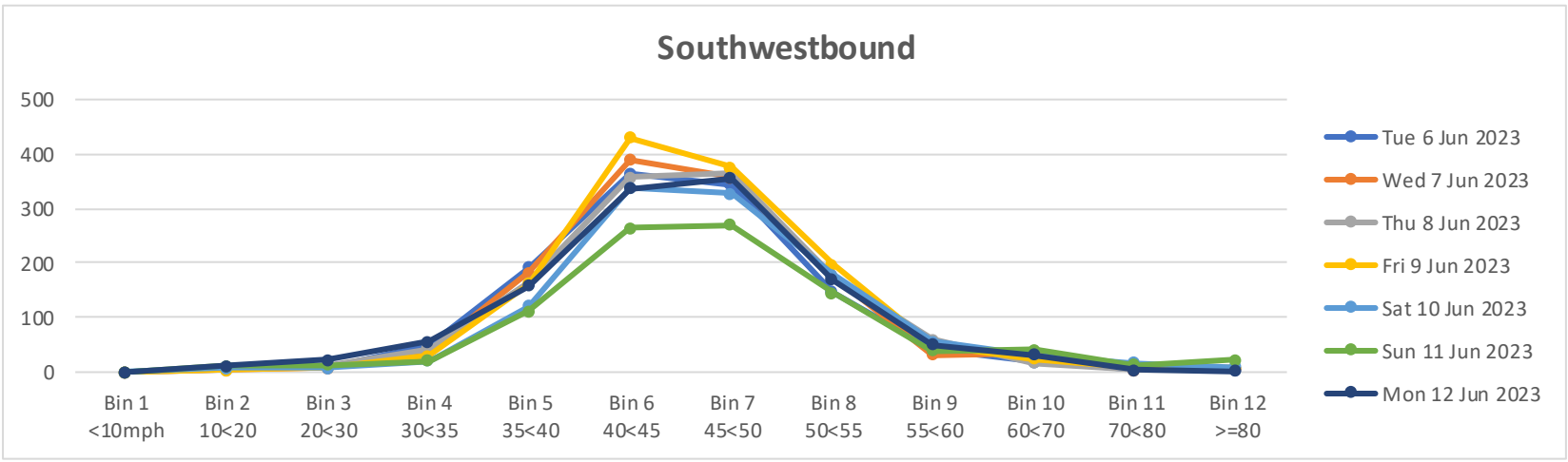


Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	1180	52.4	44.7	7.4	0	9	9	49	192	364	344	147	41	18	4	3
Wed 7 Jun 2023	1237	53.4	45.5	7.6	0	5	8	39	183	389	358	177	32	35	4	7
Thu 8 Jun 2023	1206	53.3	45.6	7.4	0	3	12	42	163	358	365	176	59	17	6	5
Fri 9 Jun 2023	1295	53.6	45.8	7.5	0	4	10	30	161	429	375	197	50	24	8	7
Sat 10 Jun 2023	1117	55.8	46.7	8.7	1	8	8	21	121	338	327	179	56	32	16	10
Sun 11 Jun 2023	953	58.0	47.2	10.4	0	11	13	20	112	265	269	146	39	41	14	23
Mon 12 Jun 2023	1196	53.4	45.1	8.0	0	11	22	55	158	337	355	170	51	31	4	2
5 Day Ave.	1223	53.2	45.3	7.6	0	6	12	43	171	375	359	173	47	25	5	5
7 Day Ave.	1169	54.3	45.8	8.2	0	7	12	37	156	354	342	170	47	28	8	8

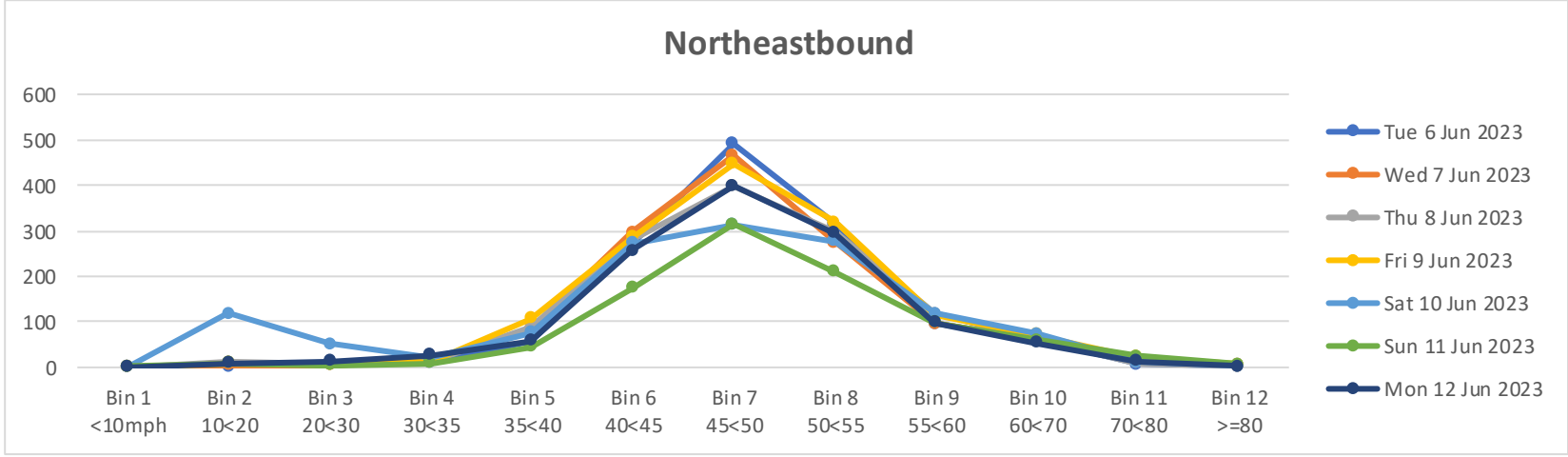
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Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	1327	56.1	48.6	7.1	1	2	8	12	59	271	491	315	97	61	6	4
Wed 7 Jun 2023	1321	56.1	48.3	7.5	0	4	5	15	86	297	466	274	96	63	12	3
Thu 8 Jun 2023	1283	56.5	48.3	8.0	0	11	9	13	87	280	398	296	118	60	9	2
Fri 9 Jun 2023	1404	57.4	48.7	8.4	0	9	8	13	108	285	447	319	115	72	22	6
Sat 10 Jun 2023	1337	58.3	45.1	12.8	1	118	51	21	77	273	313	277	118	74	11	3
Sun 11 Jun 2023	960	59.5	49.6	9.5	3	10	4	10	45	174	315	209	98	60	24	8
Mon 12 Jun 2023	1225	56.8	48.3	8.2	0	10	14	26	59	256	399	294	98	53	13	3
5 Day Ave.	1312	56.6	48.4	7.8	0	7	9	16	80	278	440	300	105	62	12	4
7 Day Ave.	1265	57.2	48.1	8.8	1	23	14	16	74	262	404	283	106	63	14	4

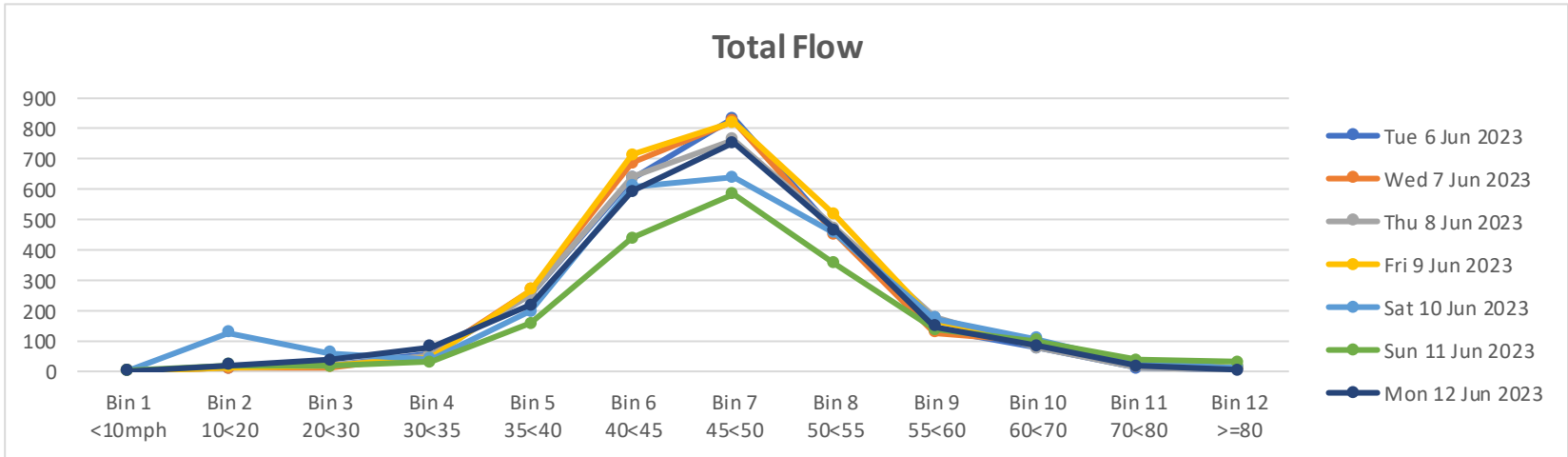
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	2507	54.6	46.8	7.5	1	11	17	61	251	635	835	462	138	79	10	7
Wed 7 Jun 2023	2558	54.9	46.9	7.7	0	9	13	54	269	686	824	451	128	98	16	10
Thu 8 Jun 2023	2489	55.1	47.0	7.8	0	14	21	55	250	638	763	472	177	77	15	7
Fri 9 Jun 2023	2699	55.7	47.3	8.1	0	13	18	43	269	714	822	516	165	96	30	13
Sat 10 Jun 2023	2454	57.4	45.8	11.1	2	126	59	42	198	611	640	456	174	106	27	13
Sun 11 Jun 2023	1913	58.8	48.4	10.1	3	21	17	30	157	439	584	355	137	101	38	31
Mon 12 Jun 2023	2421	55.3	46.7	8.3	0	21	36	81	217	593	754	464	149	84	17	5
5 Day Ave.	2535	55.1	46.9	7.9	0	14	21	59	251	653	800	473	151	87	18	8
7 Day Ave.	2434	56.0	47.0	8.7	1	31	26	52	230	617	746	454	153	92	22	12

Paul Castle Associates



Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	124	49.7	42.9	6.6	0	1	1	8	29	41	29	11	4	0	0	0
Wed 7 Jun 2023	144	50.4	43.8	6.5	0	1	1	5	29	49	41	14	2	2	0	0
Thu 8 Jun 2023	128	49.9	42.1	7.5	0	0	6	15	28	31	35	7	5	1	0	0
Fri 9 Jun 2023	148	51.9	45.1	6.6	0	1	2	1	14	62	46	14	4	4	0	0
Sat 10 Jun 2023	173	54.1	46.3	7.5	0	1	0	3	22	50	58	28	5	2	4	0
Sun 11 Jun 2023	178	53.6	45.7	7.6	0	3	2	1	17	63	48	32	6	6	0	0
Mon 12 Jun 2023	138	51.4	42.6	8.5	0	2	6	10	27	40	36	13	0	3	1	0
5 Day Ave.	136	50.6	43.3	7.1	0	1	3	8	25	45	37	12	3	2	0	0
7 Day Ave.	148	51.6	44.1	7.3	0	1	3	6	24	48	42	17	4	3	1	0

Paul Castle Associates

Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	146	53.8	47.7	5.9	0	0	0	0	8	42	53	31	6	6	0	0
Wed 7 Jun 2023	160	55.3	47.7	7.3	0	0	0	2	13	46	51	31	6	9	2	0
Thu 8 Jun 2023	152	54.1	46.0	7.9	0	1	4	2	16	47	42	25	9	6	0	0
Fri 9 Jun 2023	171	54.3	46.2	7.8	0	2	1	2	28	42	42	41	8	4	1	0
Sat 10 Jun 2023	263	57.7	45.2	12.1	0	21	3	5	23	69	58	44	22	15	2	1
Sun 11 Jun 2023	181	58.4	48.4	9.6	1	2	1	3	12	39	55	37	18	9	2	2
Mon 12 Jun 2023	152	54.3	46.1	7.9	0	2	1	7	13	38	51	27	9	3	1	0
5 Day Ave.	156	54.4	46.8	7.4	0	1	1	3	16	43	48	31	8	6	1	0
7 Day Ave.	175	55.4	46.8	8.4	0	4	1	3	16	46	50	34	11	7	1	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
Tue 6 Jun 2023	270	52.4	45.5	6.7	0	1	1	8	37	83	82	42	10	6	0	0
Wed 7 Jun 2023	304	53.3	45.8	7.2	0	1	1	7	42	95	92	45	8	11	2	0
Thu 8 Jun 2023	280	52.4	44.2	7.9	0	1	10	17	44	78	77	32	14	7	0	0
Fri 9 Jun 2023	319	53.2	45.7	7.3	0	3	3	3	42	104	88	55	12	8	1	0
Sat 10 Jun 2023	436	56.5	45.6	10.5	0	22	3	8	45	119	116	72	27	17	6	1
Sun 11 Jun 2023	359	56.2	47.1	8.8	1	5	3	4	29	102	103	69	24	15	2	2
Mon 12 Jun 2023	290	53.1	44.5	8.3	0	4	7	17	40	78	87	40	9	6	2	0
5 Day Ave.	293	52.9	45.1	7.5	0	2	4	10	41	88	85	43	11	8	1	0
7 Day Ave.	323	53.9	45.5	8.1	0	5	4	9	40	94	92	51	15	10	2	0

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	183	51.6	44.7	6.7	0	1	2	6	26	62	56	19	9	2	0	0
Wed 7 Jun 2023	190	51.4	44.4	6.7	0	1	2	4	35	62	58	20	3	5	0	0
Thu 8 Jun 2023	175	53.1	45.3	7.5	0	2	2	2	20	62	53	26	3	4	0	1
Fri 9 Jun 2023	220	53.9	45.8	7.8	0	1	1	7	25	80	59	31	8	4	3	1
Sat 10 Jun 2023	161	58.4	47.5	10.5	0	3	1	2	13	53	40	25	13	6	0	5
Sun 11 Jun 2023	134	62.2	49.3	12.5	0	0	4	4	7	38	39	19	6	3	8	6
Mon 12 Jun 2023	168	54.0	45.8	7.9	0	1	2	7	16	55	48	27	5	6	0	1
5 Day Ave.	187	52.8	45.2	7.3	0	1	2	5	24	64	55	25	6	4	1	1
7 Day Ave.	176	54.9	46.1	8.5	0	1	2	5	20	59	50	24	7	4	2	2

Paul Castle Associates

Direction: Northeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	203	56.0	49.2	6.6	0	0	0	1	9	40	75	45	22	10	1	0
Wed 7 Jun 2023	198	54.9	47.5	7.2	0	1	4	2	10	40	79	44	12	5	1	0
Thu 8 Jun 2023	185	57.0	48.6	8.1	0	0	1	1	17	44	52	39	21	7	1	2
Fri 9 Jun 2023	248	57.3	49.0	8.0	0	2	0	1	19	46	84	54	22	17	3	0
Sat 10 Jun 2023	154	55.8	47.8	7.7	0	1	1	3	7	46	41	33	15	6	1	0
Sun 11 Jun 2023	161	58.5	50.3	7.9	0	1	0	0	3	27	61	39	16	10	3	1
Mon 12 Jun 2023	181	56.2	48.5	7.4	0	0	1	4	8	39	68	37	13	8	3	0
5 Day Ave.	203	56.3	48.6	7.5	0	1	1	2	13	42	72	44	18	9	2	0
7 Day Ave.	190	56.5	48.7	7.6	0	1	1	2	10	40	66	42	17	9	2	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	386	54.3	47.0	7.0	0	1	2	7	35	102	131	64	31	12	1	0
Wed 7 Jun 2023	388	53.4	46.0	7.1	0	2	6	6	45	102	137	64	15	10	1	0
Thu 8 Jun 2023	360	55.3	47.0	8.0	0	2	3	3	37	106	105	65	24	11	1	3
Fri 9 Jun 2023	468	55.8	47.5	8.1	0	3	1	8	44	126	143	85	30	21	6	1
Sat 10 Jun 2023	315	57.2	47.7	9.2	0	4	2	5	20	99	81	58	28	12	1	5
Sun 11 Jun 2023	295	60.5	49.9	10.2	0	1	4	4	10	65	100	58	22	13	11	7
Mon 12 Jun 2023	349	55.3	47.2	7.8	0	1	3	11	24	94	116	64	18	14	3	1
5 Day Ave.	390	54.8	46.9	7.6	0	2	3	7	37	106	126	68	24	14	2	1
7 Day Ave.	366	56.0	47.5	8.2	0	2	3	6	31	99	116	65	24	13	3	2

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	0	0	0	0	0
02:00	4	4	0	0	0
03:00	5	4	1	0	0
04:00	3	3	0	0	0
05:00	23	16	5	1	1
06:00	51	42	9	0	0
07:00	87	67	18	0	2
08:00	109	83	21	1	4
09:00	72	53	14	2	3
10:00	55	42	12	1	0
11:00	69	59	10	0	0
12:00	77	56	17	3	1
13:00	67	53	13	0	1
14:00	81	66	11	1	3
15:00	102	86	15	0	1
16:00	101	89	11	0	1
17:00	100	94	5	0	1
18:00	82	76	6	0	0
19:00	40	35	5	0	0
20:00	24	20	4	0	0
21:00	12	10	1	1	0
22:00	7	7	0	0	0
23:00	6	6	0	0	0
Total					
12H(7-19)	1002	824	153	8	17
16H(6-22)	1129	931	172	9	17
18H(6-24)	1142	944	172	9	17
24H(0-24)	1180	974	178	10	18
AM Peak	08:00 109	08:00 83	08:00 21	09:00 2	08:00 4
PM Peak	15:00 102	17:00 94	12:00 17	12:00 3	14:00 3

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	2	2	0	0	0
02:00	1	0	1	0	0
03:00	2	2	0	0	0
04:00	2	2	0	0	0
05:00	9	7	2	0	0
06:00	40	36	3	0	1
07:00	99	83	15	1	0
08:00	132	122	8	1	1
09:00	76	74	1	0	1
10:00	73	63	9	0	1
11:00	73	66	7	0	0
12:00	62	55	6	0	1
13:00	69	62	6	1	0
14:00	80	71	6	1	2
15:00	123	104	18	0	1
16:00	141	121	18	0	2
17:00	123	110	12	0	1
18:00	81	73	8	0	0
19:00	39	36	3	0	0
20:00	46	40	5	0	1
21:00	30	28	2	0	0
22:00	13	12	1	0	0
23:00	6	6	0	0	0
Total					
12H(7-19)	1132	1004	114	4	10
16H(6-22)	1287	1144	127	4	12
18H(6-24)	1306	1162	128	4	12
24H(0-24)	1327	1180	131	4	12
AM Peak	08:00 132	08:00 122	07:00 15	07:00 1	06:00 1
PM Peak	16:00 141	16:00 121	15:00 18	13:00 1	14:00 2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	8	0	0	0
01:00	2	2	0	0	0
02:00	5	4	1	0	0
03:00	7	6	1	0	0
04:00	5	5	0	0	0
05:00	32	23	7	1	1
06:00	91	78	12	0	1
07:00	186	150	33	1	2
08:00	241	205	29	2	5
09:00	148	127	15	2	4
10:00	128	105	21	1	1
11:00	142	125	17	0	0
12:00	139	111	23	3	2
13:00	136	115	19	1	1
14:00	161	137	17	2	5
15:00	225	190	33	0	2
16:00	242	210	29	0	3
17:00	223	204	17	0	2
18:00	163	149	14	0	0
19:00	79	71	8	0	0
20:00	70	60	9	0	1
21:00	42	38	3	1	0
22:00	20	19	1	0	0
23:00	12	12	0	0	0
Total					
12H(7-19)	2134	1828	267	12	27
16H(6-22)	2416	2075	299	13	29
18H(6-24)	2448	2106	300	13	29
24H(0-24)	2507	2154	309	14	30
AM Peak	08:00 241	08:00 205	07:00 33	08:00 2	08:00 5
PM Peak	16:00 242	16:00 210	15:00 33	12:00 3	14:00 5

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	3	2	0	0	1
02:00	3	3	0	0	0
03:00	3	2	1	0	0
04:00	6	6	0	0	0
05:00	19	14	4	1	0
06:00	50	43	7	0	0
07:00	100	77	22	0	1
08:00	120	88	28	0	4
09:00	77	57	18	0	2
10:00	77	63	13	1	0
11:00	67	53	12	2	0
12:00	72	59	10	1	2
13:00	72	54	13	5	0
14:00	72	57	12	1	2
15:00	118	102	16	0	0
16:00	107	89	15	2	1
17:00	94	83	10	0	1
18:00	73	65	8	0	0
19:00	45	42	2	1	0
20:00	29	27	2	0	0
21:00	17	14	3	0	0
22:00	9	8	1	0	0
23:00	2	1	1	0	0
Total					
12H(7-19)	1049	847	177	12	13
16H(6-22)	1190	973	191	13	13
18H(6-24)	1201	982	193	13	13
24H(0-24)	1237	1011	198	14	14
AM Peak	08:00 120	08:00 88	08:00 28	11:00 2	08:00 4
PM Peak	15:00 118	15:00 102	15:00 16	13:00 5	12:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	4	1	0	0
01:00	0	0	0	0	0
02:00	1	0	1	0	0
03:00	1	0	1	0	0
04:00	3	3	0	0	0
05:00	17	16	1	0	0
06:00	35	30	5	0	0
07:00	93	79	13	1	0
08:00	131	119	9	1	2
09:00	70	62	8	0	0
10:00	78	72	5	0	1
11:00	82	69	11	1	1
12:00	78	64	12	1	1
13:00	76	67	9	0	0
14:00	68	59	9	0	0
15:00	130	117	12	0	1
16:00	114	98	13	2	1
17:00	122	103	17	1	1
18:00	87	71	16	0	0
19:00	47	41	6	0	0
20:00	39	35	3	1	0
21:00	29	29	0	0	0
22:00	12	10	2	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	1129	980	134	7	8
16H(6-22)	1279	1115	148	8	8
18H(6-24)	1294	1128	150	8	8
24H(0-24)	1321	1151	154	8	8
AM Peak	08:00 131	08:00 119	07:00 13	07:00 1	08:00 2
PM Peak	15:00 130	15:00 117	17:00 17	16:00 2	12:00 1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	1	0	0
01:00	3	2	0	0	1
02:00	4	3	1	0	0
03:00	4	2	2	0	0
04:00	9	9	0	0	0
05:00	36	30	5	1	0
06:00	85	73	12	0	0
07:00	193	156	35	1	1
08:00	251	207	37	1	6
09:00	147	119	26	0	2
10:00	155	135	18	1	1
11:00	149	122	23	3	1
12:00	150	123	22	2	3
13:00	148	121	22	5	0
14:00	140	116	21	1	2
15:00	248	219	28	0	1
16:00	221	187	28	4	2
17:00	216	186	27	1	2
18:00	160	136	24	0	0
19:00	92	83	8	1	0
20:00	68	62	5	1	0
21:00	46	43	3	0	0
22:00	21	18	3	0	0
23:00	5	4	1	0	0
Total					
12H(7-19)	2178	1827	311	19	21
16H(6-22)	2469	2088	339	21	21
18H(6-24)	2495	2110	343	21	21
24H(0-24)	2558	2162	352	22	22
AM Peak	08:00 251	08:00 207	08:00 37	11:00 3	08:00 6
PM Peak	15:00 248	15:00 219	15:00 28	13:00 5	12:00 3

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	2	0	0	0
02:00	2	1	1	0	0
03:00	4	3	1	0	0
04:00	8	7	0	1	0
05:00	18	11	5	1	1
06:00	53	43	10	0	0
07:00	87	61	26	0	0
08:00	119	98	17	1	3
09:00	93	81	10	1	1
10:00	66	45	19	0	2
11:00	62	43	15	2	2
12:00	59	47	10	1	1
13:00	68	52	15	1	0
14:00	82	71	9	0	2
15:00	93	81	12	0	0
16:00	113	95	18	0	0
17:00	103	88	14	0	1
18:00	64	59	5	0	0
19:00	47	39	8	0	0
20:00	30	28	2	0	0
21:00	19	18	1	0	0
22:00	10	9	1	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	1009	821	170	6	12
16H(6-22)	1158	949	191	6	12
18H(6-24)	1171	961	192	6	12
24H(0-24)	1206	986	199	8	13
AM Peak	08:00	08:00	07:00	11:00	08:00
	119	98	26	2	3
PM Peak	16:00	16:00	16:00	12:00	14:00
	113	95	18	1	2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	2	0	2	0	0
02:00	3	2	1	0	0
03:00	2	2	0	0	0
04:00	3	3	0	0	0
05:00	9	8	1	0	0
06:00	36	31	5	0	0
07:00	83	79	4	0	0
08:00	103	90	13	0	0
09:00	83	68	14	0	1
10:00	70	59	9	0	2
11:00	82	76	5	1	0
12:00	82	66	15	0	1
13:00	75	61	14	0	0
14:00	75	61	11	2	1
15:00	110	96	12	1	1
16:00	97	76	21	0	0
17:00	125	103	21	0	1
18:00	74	66	7	0	1
19:00	54	48	6	0	0
20:00	55	48	7	0	0
21:00	31	28	3	0	0
22:00	24	20	4	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	1059	901	146	4	8
16H(6-22)	1235	1056	167	4	8
18H(6-24)	1262	1079	171	4	8
24H(0-24)	1283	1096	175	4	8
AM Peak	08:00	08:00	09:00	11:00	10:00
	103	90	14	1	2
PM Peak	17:00	17:00	16:00	14:00	12:00
	125	103	21	2	1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	4	2	2	0	0
02:00	5	3	2	0	0
03:00	6	5	1	0	0
04:00	11	10	0	1	0
05:00	27	19	6	1	1
06:00	89	74	15	0	0
07:00	170	140	30	0	0
08:00	222	188	30	1	3
09:00	176	149	24	1	2
10:00	136	104	28	0	4
11:00	144	119	20	3	2
12:00	141	113	25	1	2
13:00	143	113	29	1	0
14:00	157	132	20	2	3
15:00	203	177	24	1	1
16:00	210	171	39	0	0
17:00	228	191	35	0	2
18:00	138	125	12	0	1
19:00	101	87	14	0	0
20:00	85	76	9	0	0
21:00	50	46	4	0	0
22:00	34	29	5	0	0
23:00	6	6	0	0	0
Total					
12H(7-19)	2068	1722	316	10	20
16H(6-22)	2393	2005	358	10	20
18H(6-24)	2433	2040	363	10	20
24H(0-24)	2489	2082	374	12	21
AM Peak	08:00	08:00	07:00	11:00	10:00
	222	188	30	3	4
PM Peak	17:00	17:00	16:00	14:00	14:00
	228	191	39	2	3

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	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	8	6	1	1	0
05:00	17	12	5	0	0
06:00	45	36	6	2	1
07:00	93	74	17	1	1
08:00	104	84	14	0	6
09:00	82	66	13	2	1
10:00	70	54	15	0	1
11:00	78	61	15	0	2
12:00	84	68	15	0	1
13:00	75	57	15	0	3
14:00	99	79	15	2	3
15:00	121	104	17	0	0
16:00	101	82	17	0	2
17:00	105	89	15	0	1
18:00	76	66	10	0	0
19:00	43	41	2	0	0
20:00	40	29	10	0	1
21:00	21	19	2	0	0
22:00	16	14	2	0	0
23:00	8	5	3	0	0
Total					
12H(7-19)	1088	884	178	5	21
16H(6-22)	1237	1009	198	7	23
18H(6-24)	1261	1028	203	7	23
24H(0-24)	1295	1054	210	8	23
AM Peak	08:00	08:00	07:00	06:00	08:00
	104	84	17	2	6
PM Peak	15:00	15:00	15:00	14:00	13:00
	121	104	17	2	3

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	0	0	0	0	0
02:00	2	1	1	0	0
03:00	4	4	0	0	0
04:00	1	1	0	0	0
05:00	9	8	0	1	0
06:00	33	29	3	0	1
07:00	95	84	11	0	0
08:00	121	109	10	1	1
09:00	68	61	7	0	0
10:00	77	63	12	1	1
11:00	94	79	12	1	2
12:00	82	71	10	0	1
13:00	83	71	11	1	0
14:00	109	81	26	1	1
15:00	139	114	22	1	2
16:00	127	106	20	0	1
17:00	118	99	17	2	0
18:00	63	54	9	0	0
19:00	62	55	6	0	1
20:00	58	50	8	0	0
21:00	23	22	1	0	0
22:00	15	15	0	0	0
23:00	16	12	4	0	0
Total					
12H(7-19)	1176	992	167	8	9
16H(6-22)	1352	1148	185	8	11
18H(6-24)	1383	1175	189	8	11
24H(0-24)	1404	1194	190	9	11
AM Peak	08:00	08:00	10:00	05:00	11:00
	121	109	12	1	2
PM Peak	15:00	15:00	14:00	17:00	15:00
	139	114	26	2	2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	9	0	0	0
01:00	2	2	0	0	0
02:00	3	2	1	0	0
03:00	6	5	1	0	0
04:00	9	7	1	1	0
05:00	26	20	5	1	0
06:00	78	65	9	2	2
07:00	188	158	28	1	1
08:00	225	193	24	1	7
09:00	150	127	20	2	1
10:00	147	117	27	1	2
11:00	172	140	27	1	4
12:00	166	139	25	0	2
13:00	158	128	26	1	3
14:00	208	160	41	3	4
15:00	260	218	39	1	2
16:00	228	188	37	0	3
17:00	223	188	32	2	1
18:00	139	120	19	0	0
19:00	105	96	8	0	1
20:00	98	79	18	0	1
21:00	44	41	3	0	0
22:00	31	29	2	0	0
23:00	24	17	7	0	0
Total					
12H(7-19)	2264	1876	345	13	30
16H(6-22)	2589	2157	383	15	34
18H(6-24)	2644	2203	392	15	34
24H(0-24)	2699	2248	400	17	34
AM Peak	08:00	08:00	07:00	06:00	08:00
	225	193	28	2	7
PM Peak	15:00	15:00	14:00	14:00	14:00
	260	218	41	3	4

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	2	2	0	0
01:00	6	5	1	0	0
02:00	1	1	0	0	0
03:00	2	2	0	0	0
04:00	3	2	1	0	0
05:00	9	7	1	0	1
06:00	17	14	3	0	0
07:00	50	41	9	0	0
08:00	71	60	11	0	0
09:00	106	102	3	0	1
10:00	84	72	11	0	1
11:00	89	79	10	0	0
12:00	91	78	13	0	0
13:00	74	66	8	0	0
14:00	73	68	5	0	0
15:00	88	76	10	1	1
16:00	61	53	7	0	1
17:00	68	63	5	0	0
18:00	64	55	9	0	0
19:00	54	48	6	0	0
20:00	39	30	9	0	0
21:00	25	24	1	0	0
22:00	21	20	1	0	0
23:00	17	15	2	0	0
Total					
12H(7-19)	919	813	101	1	4
16H(6-22)	1054	929	120	1	4
18H(6-24)	1092	964	123	1	4
24H(0-24)	1117	983	128	1	5
AM Peak	09:00	09:00	08:00	00:00	05:00
	106	102	11	0	1
PM Peak	12:00	12:00	12:00	15:00	15:00
	91	78	13	1	1

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	9	8	1	0	0
01:00	6	4	2	0	0
02:00	2	1	1	0	0
03:00	2	1	1	0	0
04:00	1	1	0	0	0
05:00	4	4	0	0	0
06:00	14	13	1	0	0
07:00	38	34	4	0	0
08:00	85	80	4	1	0
09:00	156	143	11	2	0
10:00	142	131	7	2	2
11:00	121	106	13	2	0
12:00	130	121	9	0	0
13:00	109	98	9	0	2
14:00	85	77	8	0	0
15:00	69	62	6	1	0
16:00	76	65	10	0	1
17:00	55	51	4	0	0
18:00	62	53	9	0	0
19:00	70	59	11	0	0
20:00	37	32	5	0	0
21:00	21	20	1	0	0
22:00	25	23	2	0	0
23:00	18	16	2	0	0
Total					
12H(7-19)	1128	1021	94	8	5
16H(6-22)	1270	1145	112	8	5
18H(6-24)	1313	1184	116	8	5
24H(0-24)	1337	1203	121	8	5
AM Peak	09:00	09:00	11:00	09:00	10:00
	156	143	13	2	2
PM Peak	12:00	12:00	19:00	15:00	13:00
	130	121	11	1	2

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	10	3	0	0
01:00	12	9	3	0	0
02:00	3	2	1	0	0
03:00	4	3	1	0	0
04:00	4	3	1	0	0
05:00	13	11	1	0	1
06:00	31	27	4	0	0
07:00	88	75	13	0	0
08:00	156	140	15	1	0
09:00	262	245	14	2	1
10:00	226	203	18	2	3
11:00	210	185	23	2	0
12:00	221	199	22	0	0
13:00	183	164	17	0	2
14:00	158	145	13	0	0
15:00	157	138	16	2	1
16:00	137	118	17	0	2
17:00	123	114	9	0	0
18:00	126	108	18	0	0
19:00	124	107	17	0	0
20:00	76	62	14	0	0
21:00	46	44	2	0	0
22:00	46	43	3	0	0
23:00	35	31	4	0	0
Total					
12H(7-19)	2047	1834	195	9	9
16H(6-22)	2324	2074	232	9	9
18H(6-24)	2405	2148	239	9	9
24H(0-24)	2454	2186	249	9	10
AM Peak	09:00	09:00	11:00	09:00	10:00
	262	245	23	2	3
PM Peak	12:00	12:00	12:00	15:00	13:00
	221	199	22	2	2

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	14	3	0	0
01:00	10	8	2	0	0
02:00	3	3	0	0	0
03:00	1	1	0	0	0
04:00	4	3	1	0	0
05:00	4	2	2	0	0
06:00	12	10	1	1	0
07:00	22	18	4	0	0
08:00	38	34	4	0	0
09:00	51	46	5	0	0
10:00	77	67	9	1	0
11:00	101	92	9	0	0
12:00	91	76	15	0	0
13:00	78	72	6	0	0
14:00	73	66	6	0	1
15:00	61	59	2	0	0
16:00	74	62	11	0	1
17:00	68	63	5	0	0
18:00	57	48	8	1	0
19:00	49	47	2	0	0
20:00	24	24	0	0	0
21:00	24	21	3	0	0
22:00	10	9	1	0	0
23:00	4	4	0	0	0
Total					
12H(7-19)	791	703	84	2	2
16H(6-22)	900	805	90	3	2
18H(6-24)	914	818	91	3	2
24H(0-24)	953	849	99	3	2
AM Peak	11:00	11:00	10:00	06:00	00:00
	101	92	9	1	0
PM Peak	12:00	12:00	12:00	18:00	14:00
	91	76	15	1	1

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	3	3	0	0
01:00	6	3	3	0	0
02:00	3	2	1	0	0
03:00	0	0	0	0	0
04:00	2	1	1	0	0
05:00	7	7	0	0	0
06:00	11	9	2	0	0
07:00	16	16	0	0	0
08:00	31	26	4	1	0
09:00	59	57	1	0	1
10:00	79	69	10	0	0
11:00	102	90	10	2	0
12:00	87	77	10	0	0
13:00	86	75	11	0	0
14:00	88	79	9	0	0
15:00	73	67	6	0	0
16:00	83	67	15	0	1
17:00	62	57	5	0	0
18:00	52	43	9	0	0
19:00	50	44	6	0	0
20:00	20	17	3	0	0
21:00	21	18	3	0	0
22:00	13	10	3	0	0
23:00	3	3	0	0	0
Total					
12H(7-19)	818	723	90	3	2
16H(6-22)	920	811	104	3	2
18H(6-24)	936	824	107	3	2
24H(0-24)	960	840	115	3	2
AM Peak	11:00	11:00	10:00	11:00	09:00
	102	90	10	2	1
PM Peak	14:00	14:00	16:00	12:00	16:00
	88	79	15	0	1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	23	17	6	0	0
01:00	16	11	5	0	0
02:00	6	5	1	0	0
03:00	1	1	0	0	0
04:00	6	4	2	0	0
05:00	11	9	2	0	0
06:00	23	19	3	1	0
07:00	38	34	4	0	0
08:00	69	60	8	1	0
09:00	110	103	6	0	1
10:00	156	136	19	1	0
11:00	203	182	19	2	0
12:00	178	153	25	0	0
13:00	164	147	17	0	0
14:00	161	145	15	0	1
15:00	134	126	8	0	0
16:00	157	129	26	0	2
17:00	130	120	10	0	0
18:00	109	91	17	1	0
19:00	99	91	8	0	0
20:00	44	41	3	0	0
21:00	45	39	6	0	0
22:00	23	19	4	0	0
23:00	7	7	0	0	0
Total					
12H(7-19)	1609	1426	174	5	4
16H(6-22)	1820	1616	194	6	4
18H(6-24)	1850	1642	198	6	4
24H(0-24)	1913	1689	214	6	4
AM Peak	11:00	11:00	10:00	11:00	09:00
	203	182	19	2	1
PM Peak	12:00	12:00	16:00	18:00	16:00
	178	153	26	1	2

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound					
12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	0	0	0
01:00	2	2	0	0	0
02:00	1	1	0	0	0
03:00	1	1	0	0	0
04:00	4	3	1	0	0
05:00	19	13	5	0	1
06:00	46	39	6	1	0
07:00	103	79	22	0	2
08:00	106	88	15	0	3
09:00	81	69	8	3	1
10:00	59	43	14	1	1
11:00	79	58	18	1	2
12:00	86	67	17	1	1
13:00	74	58	14	1	1
14:00	71	50	16	3	2
15:00	97	81	15	1	0
16:00	108	91	15	1	1
17:00	87	76	8	2	1
18:00	62	51	10	1	0
19:00	45	38	7	0	0
20:00	31	24	6	1	0
21:00	17	15	2	0	0
22:00	8	6	2	0	0
23:00	8	8	0	0	0
Total					
12H(7-19)	1013	811	172	15	15
16H(6-22)	1152	927	193	17	15
18H(6-24)	1168	941	195	17	15
24H(0-24)	1196	962	201	17	16
AM Peak	08:00 106	08:00 88	07:00 22	09:00 3	08:00 3
PM Peak	16:00 108	16:00 91	12:00 17	14:00 3	14:00 2

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	1	1	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	0	0	0	0	0
05:00	17	16	1	0	0
06:00	43	40	2	1	0
07:00	82	68	13	0	1
08:00	108	90	15	1	2
09:00	87	69	17	0	1
10:00	66	57	6	1	2
11:00	86	67	18	1	0
12:00	68	59	6	1	2
13:00	69	59	10	0	0
14:00	74	64	8	1	1
15:00	107	85	21	0	1
16:00	104	84	20	0	0
17:00	111	92	18	0	1
18:00	62	51	11	0	0
19:00	47	39	7	1	0
20:00	37	35	2	0	0
21:00	33	31	2	0	0
22:00	16	16	0	0	0
23:00	4	4	0	0	0
Total					
12H(7-19)	1024	845	163	5	11
16H(6-22)	1184	990	176	7	11
18H(6-24)	1204	1010	176	7	11
24H(0-24)	1225	1030	177	7	11
AM Peak	08:00 108	08:00 90	11:00 18	06:00 1	08:00 2
PM Peak	17:00 111	17:00 92	15:00 21	12:00 1	12:00 2

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	1	1	0	0	0
03:00	3	3	0	0	0
04:00	4	3	1	0	0
05:00	36	29	6	0	1
06:00	89	79	8	2	0
07:00	185	147	35	0	3
08:00	214	178	30	1	5
09:00	168	138	25	3	2
10:00	125	100	20	2	3
11:00	165	125	36	2	2
12:00	154	126	23	2	3
13:00	143	117	24	1	1
14:00	145	114	24	4	3
15:00	204	166	36	1	1
16:00	212	175	35	1	1
17:00	198	168	26	2	2
18:00	124	102	21	1	0
19:00	92	77	14	1	0
20:00	68	59	8	1	0
21:00	50	46	4	0	0
22:00	24	22	2	0	0
23:00	12	12	0	0	0
Total					
12H(7-19)	2037	1656	335	20	26
16H(6-22)	2336	1917	369	24	26
18H(6-24)	2372	1951	371	24	26
24H(0-24)	2421	1992	378	24	27
AM Peak	08:00 214	08:00 178	11:00 36	09:00 3	08:00 5
PM Peak	16:00 212	16:00 175	15:00 36	14:00 4	12:00 3

Paul Castle Associates

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

06/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	3	53.7	45.8	7.6	0	0	0	0	1	0	1	1	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	4	51.2	46.3	4.8	0	0	0	0	0	2	1	1	0	0	0	0
03:00	5	57.7	46.5	10.8	0	0	0	1	1	0	0	2	1	0	0	0
04:00	3	42.2	39.2	2.9	0	0	0	0	2	1	0	0	0	0	0	0
05:00	23	51.7	45.5	6.0	0	0	0	0	5	6	6	5	1	0	0	0
06:00	51	53.9	47.0	6.6	0	0	0	0	5	13	24	5	2	1	1	0
07:00	87	51.9	44.1	7.6	0	0	3	4	13	28	29	7	0	2	1	0
08:00	109	51.2	44.6	6.3	0	0	0	4	21	31	39	11	1	1	1	0
09:00	72	48.7	43.1	5.4	0	0	0	4	16	29	15	7	1	0	0	0
10:00	55	48.7	41.9	6.5	0	0	1	4	19	16	8	5	2	0	0	0
11:00	69	50.4	43.6	6.5	0	1	0	4	10	25	21	6	2	0	0	0
12:00	77	50.0	42.8	6.9	0	1	0	7	15	25	22	5	1	1	0	0
13:00	67	50.0	43.4	6.3	0	1	0	3	11	26	18	7	1	0	0	0
14:00	81	50.9	44.5	6.2	0	0	1	2	12	33	20	9	3	1	0	0
15:00	102	52.1	44.8	7.0	0	1	1	4	14	29	36	10	6	1	0	0
16:00	101	55.1	45.1	9.6	0	4	0	3	11	32	29	14	4	3	0	1
17:00	100	56.4	47.4	8.7	0	0	2	3	16	18	25	17	12	7	0	0
18:00	82	50.5	44.9	5.3	0	0	0	3	10	28	28	11	2	0	0	0
19:00	40	55.3	45.2	9.7	0	1	1	3	4	8	10	12	0	0	1	0
20:00	24	59.3	49.0	10.0	0	0	0	0	2	8	5	6	1	1	0	1
21:00	12	49.6	43.8	5.7	0	0	0	0	4	3	3	2	0	0	0	0
22:00	7	55.4	50.4	4.9	0	0	0	0	0	1	2	3	1	0	0	0
23:00	6	69.7	52.9	16.2	0	0	0	0	0	2	2	1	0	0	0	1
Total																
2H(10-12)	124	49.7	42.9	6.6	0	1	1	8	29	41	29	11	4	0	0	0
2H(14-16)	183	51.6	44.7	6.7	0	1	2	6	26	62	56	19	9	2	0	0
12H(7-19)	1002	51.8	44.4	7.2	0	8	8	45	168	320	290	109	35	16	2	1
24H(0-24)	1180	52.4	44.7	7.4	0	9	9	49	192	364	344	147	41	18	4	3
AM Peak	08:00	03:00	06:00	03:00	00:00	11:00	07:00	07:00	08:00	08:00	08:00	08:00	06:00	07:00	06:00	00:00
	109	57.7	47.0	10.8	0	1	3	4	21	31	39	11	2	2	1	0
PM Peak	15:00	23:00	23:00	23:00	12:00	16:00	17:00	12:00	17:00	14:00	15:00	17:00	17:00	17:00	19:00	16:00
	102	69.7	52.9	16.2	0	4	2	7	16	33	36	17	12	7	1	1

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	5	58.4	50.5	7.6	0	0	0	0	1	0	0	3	1	0	0	0
01:00	2	61.0	50.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
02:00	1	-	37.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
04:00	2	66.7	61.3	5.3	0	0	0	0	0	0	0	0	1	1	0	0
05:00	9	54.5	46.9	7.3	0	0	0	0	2	2	1	3	1	0	0	0
06:00	40	56.7	49.0	7.4	0	0	0	0	2	11	12	8	5	1	1	0
07:00	99	60.8	50.4	10.1	0	1	0	2	4	18	32	21	6	12	1	2
08:00	132	53.7	48.4	5.1	0	0	1	1	2	22	60	39	5	2	0	0
09:00	76	53.6	48.1	5.3	0	0	0	1	3	11	40	16	3	2	0	0
10:00	73	53.3	47.3	5.8	0	0	0	0	5	22	26	14	4	2	0	0
11:00	73	54.4	48.1	6.0	0	0	0	0	3	20	27	17	2	4	0	0
12:00	62	52.5	47.2	5.1	0	0	0	0	4	16	25	15	1	1	0	0
13:00	69	53.9	47.3	6.4	0	0	0	4	1	21	17	21	4	1	0	0
14:00	80	57.2	49.4	7.5	0	0	0	1	4	20	22	15	11	7	0	0
15:00	123	55.1	49.0	5.9	0	0	0	0	5	20	53	30	11	3	1	0
16:00	141	55.5	48.0	7.3	0	1	2	2	3	26	66	27	7	6	1	0
17:00	123	56.8	47.8	8.7	1	0	4	0	7	25	41	28	13	3	0	1
18:00	81	56.3	49.6	6.5	0	0	0	1	3	12	29	26	4	6	0	0
19:00	39	59.3	49.1	9.8	0	0	1	0	4	9	9	9	1	5	1	0
20:00	46	57.1	49.9	6.9	0	0	0	0	3	7	14	12	9	0	1	0
21:00	30	56.6	50.0	6.4	0	0	0	0	1	4	13	6	4	2	0	0
22:00	13	60.8	54.0	6.5	0	0	0	0	0	1	2	5	3	2	0	0
23:00	6	72.2	53.3	18.2	0	0	0	0	1	2	1	0	0	1	0	1
Total																
2H(10-12)	146	53.8	47.7	5.9	0	0	0	0	8	42	53	31	6	6	0	0
2H(14-16)	203	56.0	49.2	6.6	0	0	0	1	9	40	75	45	22	10	1	0
12H(7-19)	1132	55.6	48.4	6.9	1	2	7	12	44	233	438	269	71	49	3	3
24H(0-24)	1327	56.1	48.6	7.1	1	2	8	12	59	271	491	315	97	61	6	4
AM Peak	08:00	04:00	04:00	01:00	00:00	07:00	08:00	07:00	10:00	08:00	08:00	08:00	07:00	07:00	06:00	07:00
	132	66.7	61.3	10.6	0	1	1	2	5	22	60	39	6	12	1	2
PM Peak	16:00	23:00	22:00	23:00	17:00	16:00	17:00	13:00	17:00	16:00	16:00	15:00	17:00	14:00	15:00	17:00
	141	72.2	54.0	18.2	1	1	4	4	7	26	66	30	13	7	1	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<70	Bin 11 70<80	Bin 12 >=80
00:00	8	56.5	48.8	7.4	0	0	0	0	2	0	1	4	1	0	0	0
01:00	2	61.0	50.0	10.6	0	0	0	0	0	1	0	0	1	0	0	0
02:00	5	50.4	44.5	5.7	0	0	0	0	1	2	1	1	0	0	0	0
03:00	7	55.4	46.1	9.0	0	0	0	1	1	1	1	2	1	0	0	0
04:00	5	61.0	48.0	12.5	0	0	0	0	2	1	0	0	1	1	0	0
05:00	32	52.4	45.9	6.3	0	0	0	0	7	8	7	8	2	0	0	0
06:00	91	55.2	47.9	7.0	0	0	0	0	7	24	36	13	7	2	2	0
07:00	186	57.3	47.4	9.5	0	1	3	6	17	46	61	28	6	14	2	2
08:00	241	52.9	46.7	6.0	0	0	1	5	23	53	99	50	6	3	1	0
09:00	148	51.7	45.6	5.9	0	0	0	5	19	40	55	23	4	2	0	0
10:00	128	51.9	45.0	6.7	0	0	1	4	24	38	34	19	6	2	0	0
11:00	142	52.8	45.9	6.6	0	1	0	4	13	45	48	23	4	4	0	0
12:00	139	51.5	44.8	6.5	0	1	0	7	19	41	47	20	2	2	0	0
13:00	136	52.3	45.4	6.6	0	1	0	7	12	47	35	28	5	1	0	0
14:00	161	54.5	46.9	7.3	0	0	1	3	16	53	42	24	14	8	0	0
15:00	225	54.1	47.1	6.8	0	1	1	4	19	49	89	40	17	4	1	0
16:00	242	55.5	46.8	8.4	0	5	2	5	14	58	95	41	11	9	1	1
17:00	223	56.6	47.6	8.7	1	0	6	3	23	43	66	45	25	10	0	1
18:00	163	53.8	47.3	6.4	0	0	0	4	13	40	57	37	6	6	0	0
19:00	79	57.4	47.1	9.9	0	1	2	3	8	17	19	21	1	5	2	0
20:00	70	58.0	49.6	8.1	0	0	0	0	5	15	19	18	10	1	1	1
21:00	42	55.2	48.2	6.7	0	0	0	0	5	7	16	8	4	2	0	0
22:00	20	59.1	52.8	6.1	0	0	0	0	0	2	4	8	4	2	0	0
23:00	12	70.1	53.1	16.4	0	0	0	0	1	4	3	1	0	1	0	2
Total																
2H(10-12)	270	52.4	45.5	6.7	0	1	1	8	37	83	82	42	10	6	0	0
2H(14-16)	386	54.3	47.0	7.0	0	1	2	7	35	102	131	64	31	12	1	0
1234(7-19)	1234	54.1	46.5	7.3	1	10	15	57	212	553	728	378	106	65	5	4
24H(0-24)	2507	54.6	46.8	7.5	1	11	17	61	251	635	835	462	138	79	10	7
AM Peak	08:00 241	04:00 61.0	01:00 50.0	04:00 12.5	00:00 0	07:00 1	07:00 3	07:00 6	10:00 24	08:00 53	08:00 99	08:00 50	06:00 7	07:00 14	06:00 2	07:00 2
PM Peak	16:00 242	23:00 70.1	23:00 53.1	23:00 16.4	17:00 1	16:00 5	17:00 6	12:00 7	17:00 23	16:00 58	16:00 95	17:00 45	17:00 25	17:00 10	19:00 2	23:00 2

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

07/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	2	54.8	47.5	7.1	0	0	0	0	0	1	0	1	0	0	0	0
01:00	3	43.8	40.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
02:00	3	65.0	53.3	11.3	0	0	0	0	0	1	0	1	0	1	0	0
03:00	3	52.9	42.5	10.0	0	0	0	1	0	1	0	1	0	0	0	0
04:00	6	52.1	47.5	4.5	0	0	0	0	0	2	2	2	0	0	0	0
05:00	19	51.7	45.7	5.8	0	0	0	1	2	5	6	5	0	0	0	0
06:00	50	54.3	46.9	7.2	0	0	0	1	7	9	21	9	1	1	1	0
07:00	100	50.5	44.4	5.8	0	0	1	2	15	41	27	10	3	1	0	0
08:00	120	51.3	43.8	7.2	0	0	1	7	23	43	32	10	1	2	0	1
09:00	77	50.6	43.7	6.7	0	0	3	3	11	26	26	6	1	1	0	0
10:00	77	50.4	44.2	6.0	0	0	0	3	14	28	23	7	0	2	0	0
11:00	67	50.5	43.2	7.0	0	1	1	2	15	21	18	7	2	0	0	0
12:00	72	52.8	45.7	6.9	0	0	0	0	15	24	14	14	2	3	0	0
13:00	72	50.3	43.1	7.0	0	2	0	5	7	29	23	5	1	0	0	0
14:00	72	53.3	45.7	7.4	0	1	0	0	12	20	23	12	1	3	0	0
15:00	118	50.2	43.7	6.2	0	0	2	4	23	42	35	8	2	2	0	0
16:00	107	55.7	46.9	8.5	0	0	0	5	11	31	35	13	4	6	1	1
17:00	94	55.6	48.2	7.1	0	0	0	1	10	18	31	24	3	7	0	0
18:00	73	56.2	48.0	7.9	0	0	0	2	6	20	15	21	7	1	0	1
19:00	45	54.7	46.8	7.6	0	0	0	0	7	13	14	6	3	1	1	0
20:00	29	69.2	52.2	16.4	0	1	0	1	3	4	4	10	0	2	0	4
21:00	17	59.9	49.6	10.0	0	0	0	1	1	3	5	4	1	1	1	0
22:00	9	55.4	47.8	7.3	0	0	0	0	0	4	3	1	0	1	0	0
23:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
Total																
2H(10-12)	144	50.4	43.8	6.5	0	1	1	5	29	49	41	14	2	2	0	0
2H(14-16)	190	51.4	44.4	6.7	0	1	2	4	35	62	58	20	3	5	0	0
12H(7-19)	1049	52.5	45.1	7.2	0	4	8	34	162	343	302	137	27	28	1	3
24H(0-24)	1237	53.4	45.5	7.6	0	5	8	39	183	389	358	177	32	35	4	7
AM Peak	08:00	02:00	02:00	02:00	00:00	11:00	09:00	08:00	08:00	08:00	08:00	07:00	07:00	08:00	06:00	08:00
	120	65.0	53.3	11.3	0	1	3	7	23	43	32	10	3	2	1	1
PM Peak	15:00	20:00	20:00	20:00	12:00	13:00	15:00	13:00	15:00	15:00	15:00	17:00	18:00	17:00	16:00	20:00
	118	69.2	52.2	16.4	0	2	2	5	23	42	35	24	7	7	1	4

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	5	61.7	54.0	7.4	0	0	0	0	0	0	2	1	1	1	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
03:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
04:00	3	60.2	54.2	5.8	0	0	0	0	0	0	1	0	2	0	0	0
05:00	17	57.4	51.8	5.4	0	0	0	0	0	2	3	9	2	1	0	0
06:00	35	55.5	49.0	6.3	0	0	0	0	2	7	13	6	6	1	0	0
07:00	93	57.4	49.3	7.8	0	0	0	0	7	19	34	17	7	7	2	0
08:00	131	50.7	45.9	4.6	0	0	0	2	7	46	54	19	3	0	0	0
09:00	70	59.4	49.1	10.0	0	1	0	0	7	11	24	18	4	2	1	2
10:00	78	55.8	47.4	8.1	0	0	0	1	9	23	27	7	3	7	1	0
11:00	82	54.8	48.0	6.5	0	0	0	1	4	23	24	24	3	2	1	0
12:00	78	54.6	46.8	7.5	0	0	1	3	8	18	24	17	3	4	0	0
13:00	76	54.5	47.5	6.7	0	0	0	1	2	24	30	14	3	1	0	1
14:00	68	54.8	47.8	6.7	0	0	1	1	1	20	23	15	4	3	0	0
15:00	130	55.0	47.4	7.4	0	1	3	1	9	20	56	29	8	2	1	0
16:00	114	56.4	48.6	7.5	0	0	0	2	9	24	40	17	15	6	1	0
17:00	122	57.5	49.5	7.7	0	1	0	0	9	17	44	28	12	11	0	0
18:00	87	58.4	49.4	8.6	0	1	0	0	7	15	26	23	7	6	2	0
19:00	47	56.0	49.6	6.2	0	0	0	0	2	5	24	8	5	3	0	0
20:00	39	56.1	48.5	7.4	0	0	0	1	1	13	9	9	3	3	0	0
21:00	29	62.8	51.4	11.1	0	0	0	1	2	6	5	8	2	2	3	0
22:00	12	59.5	50.2	9.0	0	0	0	1	0	3	1	3	3	1	0	0
23:00	3	53.8	50.8	2.9	0	0	0	0	0	0	1	2	0	0	0	0
Total																
2H(10-12)	160	55.3	47.7	7.3	0	0	0	2	13	46	51	31	6	9	2	0
2H(14-16)	198	54.9	47.5	7.2	0	1	4	2	10	40	79	44	12	5	1	0
12H(7-19)	1129	55.8	48.0	7.5	0	4	5	12	79	260	406	228	72	51	9	3
24H(0-24)	1321	56.1	48.3	7.5	0	4	5	15	86	297	466	274	96	63	12	3
AM Peak	08:00	00:00	04:00	09:00	00:00	09:00	00:00	08:00	10:00	08:00	08:00	11:00	07:00	07:00	07:00	09:00
	131	61.7	54.2	10.0	0	1	0	2	9	46	54	24	7	7	2	2
PM Peak	15:00	21:00	21:00	21:00	12:00	15:00	15:00	12:00	15:00	13:00	15:00	15:00	16:00	17:00	21:00	13:00
	130	62.8	51.4	11.1	0	1	3	3	9	24	56	29	15	11	3	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	7	59.8	52.1	7.4	0	0	0	0	0	1	2	2	1	1	0	0
01:00	3	43.8	40.8	2.9	0	0	0	0	1	2	0	0	0	0	0	0
02:00	4	61.9	51.9	9.7	0	0	0	0	0	1	1	1	0	1	0	0
03:00	4	51.0	42.5	8.2	0	0	0	1	0	2	0	1	0	0	0	0
04:00	9	55.6	49.7	5.7	0	0	0	0	0	2	3	2	2	0	0	0
05:00	36	55.1	48.5	6.4	0	0	0	1	2	7	9	14	2	1	0	0
06:00	85	54.9	47.8	6.9	0	0	0	1	9	16	34	15	7	2	1	0
07:00	193	54.3	46.8	7.3	0	0	1	2	22	60	61	27	10	8	2	0
08:00	251	51.2	44.9	6.1	0	0	1	9	30	89	86	29	4	2	0	1
09:00	147	55.4	46.2	8.8	0	1	3	3	18	37	50	24	5	3	1	2
10:00	155	53.4	45.8	7.3	0	0	0	4	23	51	50	14	3	9	1	0
11:00	149	53.2	45.9	7.1	0	1	1	3	19	44	42	31	5	2	1	0
12:00	150	53.8	46.3	7.2	0	0	1	3	23	42	38	31	5	7	0	0
13:00	148	52.8	45.3	7.2	0	2	0	6	9	53	53	19	4	1	0	1
14:00	140	54.1	46.7	7.1	0	1	1	1	13	40	46	27	5	6	0	0
15:00	248	53.0	45.6	7.1	0	1	5	5	32	62	91	37	10	4	1	0
16:00	221	56.1	47.8	8.0	0	0	0	7	20	55	75	30	19	12	2	1
17:00	216	56.7	48.9	7.4	0	1	0	1	19	35	75	52	15	18	0	0
18:00	160	57.4	48.8	8.3	0	1	0	2	13	35	41	44	14	7	2	1
19:00	92	55.5	48.2	7.0	0	0	0	0	9	18	38	14	8	4	1	0
20:00	68	62.6	50.1	12.1	0	1	0	2	4	17	13	19	3	5	0	4
21:00	46	61.7	50.7	10.6	0	0	0	2	3	9	10	12	3	3	4	0
22:00	21	57.7	49.2	8.2	0	0	0	1	0	7	4	4	3	2	0	0
23:00	5	52.8	48.5	4.2	0	0	0	0	0	1	2	2	0	0	0	0
Total																
2H(10-12)	304	53.3	45.8	7.2	0	1	1	7	42	95	92	45	8	11	2	0
2H(14-16)	388	53.4	46.0	7.1	0	2	6	6	45	102	137	64	15	10	1	0
12H(7-19)	2178	54.4	46.6	7.5	0	8	13	46	241	603	708	365	99	79	10	6
24H(0-24)	2558	54.9	46.9	7.7	0	9	13	54	269	686	824	451	128	98	16	10
AM Peak	08:00 251	02:00 61.9	00:00 52.1	02:00 9.7	00:00 0	09:00 1	09:00 3	08:00 9	08:00 30	08:00 89	08:00 86	11:00 31	07:00 10	10:00 9	07:00 2	09:00 2
PM Peak	15:00 248	20:00 62.6	21:00 50.7	20:00 12.1	12:00 0	13:00 2	15:00 5	16:00 7	15:00 32	15:00 62	15:00 91	17:00 52	16:00 19	17:00 18	21:00 4	20:00 4

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

08/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
01:00	2	43.7	40.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
02:00	2	52.5	52.5	0.0	0	0	0	0	0	0	0	2	0	0	0	0
03:00	4	56.1	46.3	9.5	0	0	0	1	0	0	1	2	0	0	0	0
04:00	8	50.8	42.5	8.0	0	0	0	2	1	2	1	2	0	0	0	0
05:00	18	50.7	44.7	5.7	0	0	0	0	5	4	5	4	0	0	0	0
06:00	53	53.2	47.6	5.4	0	0	0	0	2	16	19	12	3	1	0	0
07:00	87	51.4	45.2	6.0	0	0	0	5	11	22	35	11	2	1	0	0
08:00	119	51.0	44.9	6.0	0	0	0	3	21	41	32	16	5	1	0	0
09:00	93	50.6	43.7	6.7	0	1	2	3	14	33	29	8	3	0	0	0
10:00	66	48.9	40.7	7.9	0	0	5	10	16	13	18	2	1	1	0	0
11:00	62	50.7	43.6	6.8	0	0	1	5	12	18	17	5	4	0	0	0
12:00	59	50.1	44.6	5.3	0	0	0	1	8	26	16	5	3	0	0	0
13:00	68	53.2	46.0	6.9	0	0	0	3	11	17	18	10	9	0	0	0
14:00	82	55.2	45.6	9.3	0	1	2	0	15	24	19	15	1	4	0	1
15:00	93	50.8	45.1	5.6	0	1	0	2	5	38	34	11	2	0	0	0
16:00	113	51.8	45.3	6.3	0	0	1	4	20	25	36	23	4	0	0	0
17:00	103	54.7	47.0	7.5	0	0	0	3	7	30	42	12	5	2	1	1
18:00	64	56.3	48.3	7.7	0	0	1	0	4	18	17	14	7	2	1	0
19:00	47	63.6	52.0	11.3	0	0	0	0	2	12	10	11	6	1	3	2
20:00	30	58.5	48.4	9.8	0	0	0	0	3	10	8	5	1	2	0	1
21:00	19	58.8	48.6	9.9	0	0	0	0	4	4	3	5	1	1	1	0
22:00	10	56.7	48.3	8.2	0	0	0	0	1	3	3	1	1	1	0	0
23:00	3	48.8	45.8	2.9	0	0	0	0	0	1	2	0	0	0	0	0
Total																
2H(10-12)	128	49.9	42.1	7.5	0	0	6	15	28	31	35	7	5	1	0	0
2H(14-16)	175	53.1	45.3	7.5	0	2	2	2	20	62	53	26	3	4	0	1
12H(7-19)	1009	52.3	45.0	7.0	0	3	12	39	144	305	313	132	46	11	2	2
24H(0-24)	1206	53.3	45.6	7.4	0	3	12	42	163	358	365	176	59	17	6	5
AM Peak	08:00	03:00	00:00	03:00	00:00	09:00	10:00	10:00	08:00	08:00	07:00	08:00	08:00	06:00	00:00	00:00
	119	56.1	57.5	9.5	0	1	5	10	21	41	35	16	5	1	0	0
PM Peak	16:00	19:00	19:00	19:00	12:00	14:00	14:00	16:00	16:00	15:00	17:00	16:00	13:00	14:00	19:00	19:00
	113	63.6	52.0	11.3	0	1	2	4	20	38	42	23	9	4	3	2

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	2	59.8	52.5	7.1	0	0	0	0	0	0	1	0	1	0	0	0
01:00	2	42.5	42.5	0.0	0	0	0	0	0	2	0	0	0	0	0	0
02:00	3	52.2	49.2	2.9	0	0	0	0	0	0	2	1	0	0	0	0
03:00	2	48.7	45.0	3.5	0	0	0	0	0	1	1	0	0	0	0	0
04:00	3	64.3	55.0	9.0	0	0	0	0	0	0	1	1	0	1	0	0
05:00	9	58.8	50.0	8.5	0	0	0	0	1	1	4	0	2	1	0	0
06:00	36	58.8	52.2	6.4	0	0	0	0	1	1	13	11	6	4	0	0
07:00	83	56.0	46.8	8.9	0	2	2	2	3	21	24	19	7	3	0	0
08:00	103	54.1	47.3	6.5	0	0	2	1	4	25	45	15	8	3	0	0
09:00	83	52.2	46.8	5.2	0	0	0	1	6	22	32	18	4	0	0	0
10:00	70	54.6	45.0	9.3	0	1	4	2	7	17	25	7	3	4	0	0
11:00	82	53.4	46.8	6.4	0	0	0	0	9	30	17	18	6	2	0	0
12:00	82	52.3	44.2	7.8	0	3	0	3	9	25	27	13	2	0	0	0
13:00	75	54.0	46.6	7.1	0	1	0	0	9	20	22	18	3	2	0	0
14:00	75	57.4	47.6	9.5	0	0	1	1	13	16	19	12	8	3	1	1
15:00	110	56.5	49.3	7.0	0	0	0	0	4	28	33	27	13	4	0	1
16:00	97	59.1	51.7	7.1	0	0	0	0	4	9	26	35	14	7	2	0
17:00	125	58.3	50.3	7.7	0	1	0	1	5	15	40	41	12	8	2	0
18:00	74	60.5	50.4	9.8	0	2	0	0	4	10	17	24	9	6	2	0
19:00	54	60.0	51.5	8.2	0	0	0	0	1	12	15	9	9	7	1	0
20:00	55	55.6	47.7	7.6	0	1	0	0	3	13	21	9	6	2	0	0
21:00	31	57.7	48.5	8.9	0	0	0	2	2	6	10	5	4	1	1	0
22:00	24	57.2	49.8	7.2	0	0	0	0	2	5	3	11	1	2	0	0
23:00	3	55.2	49.2	5.8	0	0	0	0	0	1	0	2	0	0	0	0
Total																
2H(10-12)	152	54.1	46.0	7.9	0	1	4	2	16	47	42	25	9	6	0	0
2H(14-16)	185	57.0	48.6	8.1	0	0	1	1	17	44	52	39	21	7	1	2
12H(7-19)	1059	56.2	47.9	8.0	0	10	9	11	77	238	327	247	89	42	7	2
24H(0-24)	1283	56.5	48.3	8.0	0	11	9	13	87	280	398	296	118	60	9	2
AM Peak	08:00	04:00	04:00	10:00	00:00	07:00	10:00	07:00	11:00	11:00	08:00	07:00	08:00	06:00	00:00	00:00
	103	64.3	55.0	9.3	0	2	4	2	9	30	45	19	8	4	0	0
PM Peak	17:00	18:00	16:00	18:00	12:00	12:00	14:00	12:00	14:00	15:00	17:00	17:00	16:00	17:00	16:00	14:00
	125	60.5	51.7	9.8	0	3	1	3	13	28	40	41	14	8	2	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<70	Bin 11 70<80	Bin 12 >=80
00:00	3	60.2	54.2	5.8	0	0	0	0	0	0	1	0	2	0	0	0
01:00	4	43.8	41.3	2.5	0	0	0	0	1	3	0	0	0	0	0	0
02:00	5	53.3	50.5	2.7	0	0	0	0	0	0	2	3	0	0	0	0
03:00	6	53.6	45.8	7.5	0	0	0	1	0	1	2	2	0	0	0	0
04:00	11	56.0	45.9	9.8	0	0	0	2	1	2	2	3	0	1	0	0
05:00	27	53.8	46.5	7.1	0	0	0	0	6	5	9	4	2	1	0	0
06:00	89	55.9	49.5	6.2	0	0	0	0	3	17	32	23	9	5	0	0
07:00	170	53.8	46.0	7.6	0	2	2	7	14	43	59	30	9	4	0	0
08:00	222	52.6	46.0	6.3	0	0	2	4	25	66	77	31	13	4	0	0
09:00	176	51.6	45.2	6.2	0	1	2	4	20	55	61	26	7	0	0	0
10:00	136	52.1	42.9	8.9	0	1	9	12	23	30	43	9	4	5	0	0
11:00	144	52.4	45.4	6.7	0	0	1	5	21	48	34	23	10	2	0	0
12:00	141	51.5	44.4	6.9	0	3	0	4	17	51	43	18	5	0	0	0
13:00	143	53.6	46.3	7.0	0	1	0	3	20	37	40	28	12	2	0	0
14:00	157	56.3	46.6	9.4	0	1	3	1	28	40	38	27	9	7	1	2
15:00	203	54.3	47.3	6.7	0	1	0	2	9	66	67	38	15	4	0	1
16:00	210	55.9	48.2	7.4	0	0	1	4	24	34	62	58	18	7	2	0
17:00	228	56.8	48.8	7.8	0	1	0	4	12	45	82	53	17	10	3	1
18:00	138	58.7	49.4	8.9	0	2	1	0	8	28	34	38	16	8	3	0
19:00	101	61.8	51.7	9.7	0	0	0	0	3	24	25	20	15	8	4	2
20:00	85	56.7	48.0	8.4	0	1	0	0	6	23	29	14	7	4	0	1
21:00	50	58.0	48.5	9.2	0	0	0	2	6	10	13	10	5	2	2	0
22:00	34	57.0	49.3	7.4	0	0	0	0	3	8	6	12	2	3	0	0
23:00	6	52.1	47.5	4.5	0	0	0	0	0	2	2	2	0	0	0	0
Total																
2H(10-12)	280	52.4	44.2	7.9	0	1	10	17	44	78	77	32	14	7	0	0
2H(14-16)	360	55.3	47.0	8.0	0	2	3	3	37	106	105	65	24	11	1	3
12H(7-19)	2068	54.5	46.5	7.7	0	13	21	50	221	543	640	379	135	53	9	4
24H(0-24)	2489	55.1	47.0	7.8	0	14	21	55	250	638	763	472	177	77	15	7
AM Peak	08:00 222	00:00 60.2	00:00 54.2	04:00 9.8	00:00 0	07:00 2	10:00 9	10:00 12	08:00 25	08:00 66	08:00 77	08:00 31	08:00 13	06:00 5	00:00 0	00:00 0
PM Peak	17:00 228	19:00 61.8	19:00 51.7	19:00 9.7	12:00 0	12:00 3	14:00 3	12:00 4	14:00 28	15:00 66	17:00 82	16:00 58	16:00 18	17:00 10	19:00 4	14:00 2

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

09/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	4	38.0	35.0	2.9	0	0	0	2	2	0	0	0	0	0	0	0
01:00	2	56.0	45.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
02:00	1	-	42.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	2	58.7	55.0	3.5	0	0	0	0	0	0	0	1	1	0	0	0
04:00	8	47.4	40.6	6.5	0	0	0	1	4	1	1	1	0	0	0	0
05:00	17	51.9	46.6	5.1	0	0	0	0	2	4	6	5	0	0	0	0
06:00	45	51.2	46.3	4.8	0	0	0	0	3	17	14	10	1	0	0	0
07:00	93	52.7	45.1	7.4	0	1	2	1	10	37	21	15	4	2	0	0
08:00	104	52.6	45.4	6.9	0	0	0	7	16	25	30	20	4	2	0	0
09:00	82	50.4	43.8	6.3	0	1	2	1	7	39	23	7	2	0	0	0
10:00	70	53.6	45.1	8.1	0	1	2	1	6	26	21	7	3	3	0	0
11:00	78	50.0	45.0	4.8	0	0	0	0	8	36	25	7	1	1	0	0
12:00	84	50.3	43.7	6.5	0	0	2	1	22	24	23	10	1	1	0	0
13:00	75	51.6	45.0	6.4	0	0	1	1	9	29	23	10	1	0	1	0
14:00	99	54.8	46.1	8.4	0	0	0	5	12	35	25	11	6	3	1	1
15:00	121	53.1	45.5	7.3	0	1	1	2	13	45	34	20	2	1	2	0
16:00	101	52.3	45.3	6.7	0	0	0	3	22	21	35	14	3	3	0	0
17:00	105	53.9	46.7	7.0	0	0	0	3	8	36	31	19	3	4	1	0
18:00	76	59.7	49.5	9.8	0	0	0	0	3	24	23	16	3	3	1	3
19:00	43	58.7	49.8	8.5	0	0	0	0	4	7	14	8	8	1	0	1
20:00	40	55.5	48.1	7.2	0	0	0	0	4	10	12	9	4	0	1	0
21:00	21	58.9	48.3	10.2	0	0	0	0	3	5	7	3	2	0	0	1
22:00	16	60.1	48.0	11.7	0	0	0	1	2	3	6	2	1	0	0	1
23:00	8	60.2	47.2	12.6	0	0	0	1	0	4	1	1	0	0	1	0
Total																
2H(10-12)	148	51.9	45.1	6.6	0	1	2	1	14	62	46	14	4	4	0	0
2H(14-16)	220	53.9	45.8	7.8	0	1	1	7	25	80	59	31	8	4	3	1
12H(7-19)	1088	53.1	45.5	7.3	0	4	10	25	136	377	314	156	33	23	6	4
24H(0-24)	1295	53.6	45.8	7.5	0	4	10	30	161	429	375	197	50	24	8	7
AM Peak	08:00	03:00	03:00	01:00	00:00	07:00	07:00	08:00	08:00	09:00	08:00	08:00	07:00	10:00	00:00	00:00
	104	58.7	55.0	10.6	0	1	2	7	16	39	30	20	4	3	0	0
PM Peak	15:00	23:00	19:00	23:00	12:00	15:00	12:00	14:00	12:00	15:00	16:00	15:00	19:00	17:00	15:00	18:00
	121	60.2	49.8	12.6	0	1	2	5	22	45	35	20	8	4	2	3

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	5	50.1	45.5	4.5	0	0	0	0	0	3	1	1	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	2	38.7	35.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
03:00	4	48.0	45.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
04:00	1	-	57.5	-	0	0	0	0	0	0	0	0	1	0	0	0
05:00	9	54.6	48.1	6.3	0	0	0	0	1	2	2	3	1	0	0	0
06:00	33	57.3	50.3	6.8	0	0	0	0	1	6	10	10	3	3	0	0
07:00	95	57.0	49.2	7.5	0	0	0	1	4	20	37	19	4	9	1	0
08:00	121	55.1	47.7	7.1	0	1	2	1	5	23	48	32	6	2	1	0
09:00	68	57.0	47.7	9.0	0	1	2	0	7	8	26	14	7	2	1	0
10:00	77	54.5	45.5	8.7	0	1	1	2	14	21	17	14	4	2	1	0
11:00	94	54.1	46.8	7.0	0	1	0	0	14	21	25	27	4	2	0	0
12:00	82	55.9	47.9	7.7	0	0	0	1	8	23	22	17	7	2	2	0
13:00	83	54.0	46.5	7.2	0	0	3	2	3	23	30	17	2	3	0	0
14:00	109	57.3	48.3	8.7	0	2	0	0	12	21	33	21	11	9	0	0
15:00	139	57.3	49.6	7.4	0	0	0	1	7	25	51	33	11	8	3	0
16:00	127	55.4	47.9	7.3	0	0	0	0	16	32	41	15	15	8	0	0
17:00	118	59.0	48.2	10.4	0	2	0	4	7	27	40	22	9	2	1	4
18:00	63	63.7	54.0	9.4	0	0	0	0	1	7	14	16	16	5	2	2
19:00	62	59.7	49.6	9.7	0	1	0	0	5	9	23	15	1	5	3	0
20:00	58	60.7	52.6	7.8	0	0	0	0	1	6	13	25	6	4	3	0
21:00	23	58.7	51.5	6.9	0	0	0	0	1	2	6	10	1	3	0	0
22:00	15	61.6	52.5	8.8	0	0	0	0	0	3	3	5	2	1	1	0
23:00	16	68.8	58.0	10.4	0	0	0	0	0	1	3	3	4	2	3	0
Total																
2H(10-12)	171	54.3	46.2	7.8	0	2	1	2	28	42	42	41	8	4	1	0
2H(14-16)	248	57.3	49.0	8.0	0	2	0	1	19	46	84	54	22	17	3	0
12H(7-19)	1176	56.8	48.2	8.3	0	8	8	12	98	251	384	247	96	54	12	6
24H(0-24)	1404	57.4	48.7	8.4	0	9	8	13	108	285	447	319	115	72	22	6
AM Peak	08:00	06:00	04:00	09:00	00:00	08:00	08:00	10:00	10:00	08:00	08:00	08:00	09:00	07:00	07:00	00:00
	121	57.3	57.5	9.0	0	1	2	2	14	23	48	32	7	9	1	0
PM Peak	15:00	23:00	23:00	17:00	12:00	14:00	13:00	17:00	16:00	16:00	15:00	15:00	18:00	14:00	15:00	17:00
	139	68.8	58.0	10.4	0	2	3	4	16	32	51	33	16	9	3	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	9	47.7	40.8	6.6	0	0	0	2	2	3	1	1	0	0	0	0
01:00	2	56.0	45.0	10.6	0	0	0	0	1	0	0	1	0	0	0	0
02:00	3	42.7	37.5	5.0	0	0	0	1	1	1	0	0	0	0	0	0
03:00	6	54.4	48.3	5.8	0	0	0	0	0	2	2	1	1	0	0	0
04:00	9	51.1	42.5	8.3	0	0	0	1	4	1	1	1	1	0	0	0
05:00	26	52.8	47.1	5.5	0	0	0	0	3	6	8	8	1	0	0	0
06:00	78	54.2	48.0	6.0	0	0	0	0	4	23	24	20	4	3	0	0
07:00	188	55.2	47.2	7.7	0	1	2	2	14	57	58	34	8	11	1	0
08:00	225	54.0	46.7	7.1	0	1	2	8	21	48	78	52	10	4	1	0
09:00	150	53.7	45.6	7.8	0	2	4	1	14	47	49	21	9	2	1	0
10:00	147	54.0	45.3	8.4	0	2	3	3	20	47	38	21	7	5	1	0
11:00	172	52.4	46.0	6.2	0	1	0	0	22	57	50	34	5	3	0	0
12:00	166	53.4	45.8	7.4	0	0	2	2	30	47	45	27	8	3	2	0
13:00	158	52.9	45.8	6.9	0	0	4	3	12	52	53	27	3	3	1	0
14:00	208	56.2	47.2	8.6	0	2	0	5	24	56	58	32	17	12	1	1
15:00	260	55.6	47.7	7.6	0	1	1	3	20	70	85	53	13	9	5	0
16:00	228	54.1	46.7	7.1	0	0	0	3	38	53	76	29	18	11	0	0
17:00	223	56.8	47.5	9.0	0	2	0	7	15	63	71	41	12	6	2	4
18:00	139	61.8	51.6	9.8	0	0	0	0	4	31	37	32	19	8	3	5
19:00	105	59.2	49.7	9.2	0	1	0	0	9	16	37	23	9	6	3	1
20:00	98	58.9	50.8	7.8	0	0	0	0	5	16	25	34	10	4	4	0
21:00	44	59.0	50.0	8.7	0	0	0	0	4	7	13	13	3	3	0	1
22:00	31	61.0	50.2	10.5	0	0	0	1	2	6	9	7	3	1	1	1
23:00	24	66.9	54.4	12.1	0	0	0	1	0	5	4	4	4	2	4	0
Total																
2H(10-12)	319	53.2	45.7	7.3	0	3	3	3	42	104	88	55	12	8	1	0
2H(14-16)	468	55.8	47.5	8.1	0	3	1	8	44	126	143	85	30	21	6	1
1264(7-19)	2264	55.2	46.9	7.9	0	12	18	37	234	628	698	403	129	77	18	10
24H(0-24)	2699	55.7	47.3	8.1	0	13	18	43	269	714	822	516	165	96	30	13
AM Peak	08:00 225	01:00 56.0	03:00 48.3	01:00 10.6	00:00 0	09:00 2	09:00 4	08:00 8	11:00 22	07:00 57	08:00 78	08:00 52	08:00 10	07:00 11	07:00 1	00:00 0
PM Peak	15:00 260	23:00 66.9	23:00 54.4	23:00 12.1	12:00 0	14:00 2	13:00 4	17:00 7	16:00 38	15:00 70	15:00 85	15:00 53	18:00 19	14:00 12	15:00 5	18:00 5

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

10/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	4	62.1	54.4	7.5	0	0	0	0	0	0	1	2	0	1	0	0
01:00	6	53.2	47.5	5.5	0	0	0	0	1	0	3	2	0	0	0	0
02:00	1	-	47.5	-	0	0	0	0	0	0	1	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	3	56.8	50.8	5.8	0	0	0	0	0	0	2	0	1	0	0	0
05:00	9	54.8	47.5	7.1	0	0	0	0	2	1	2	3	1	0	0	0
06:00	17	53.3	46.0	7.0	0	0	0	0	3	7	2	2	3	0	0	0
07:00	50	55.2	48.1	6.9	0	0	0	1	2	12	22	7	2	4	0	0
08:00	71	51.6	45.8	5.6	0	0	0	1	7	27	19	15	1	1	0	0
09:00	106	52.1	43.7	8.0	1	0	1	2	26	37	25	9	2	1	2	0
10:00	84	53.6	45.9	7.4	0	1	0	3	9	21	30	17	1	1	1	0
11:00	89	54.6	46.6	7.7	0	0	0	0	13	29	28	11	4	1	3	0
12:00	91	56.8	46.6	9.8	0	2	2	1	7	26	27	16	5	3	1	1
13:00	74	56.1	47.6	8.1	0	0	0	1	6	22	26	11	4	2	1	1
14:00	73	55.7	46.7	8.7	0	2	0	1	4	26	17	14	5	4	0	0
15:00	88	60.4	48.2	11.8	0	1	1	1	9	27	23	11	8	2	0	5
16:00	61	58.6	47.3	11.0	0	0	2	3	6	20	9	12	3	3	2	1
17:00	68	55.2	47.4	7.5	0	0	0	4	5	15	21	15	6	1	1	0
18:00	64	57.4	47.6	9.5	0	1	0	0	6	18	23	8	3	3	1	1
19:00	54	60.8	50.0	10.4	0	0	1	0	1	16	17	9	3	3	3	1
20:00	39	54.6	45.0	9.3	0	1	1	1	4	12	11	7	1	0	1	0
21:00	25	52.6	45.8	6.6	0	0	0	0	4	9	7	3	1	1	0	0
22:00	21	52.5	45.5	6.8	0	0	0	0	4	7	7	1	1	1	0	0
23:00	17	51.6	44.3	7.1	0	0	0	2	2	6	3	3	1	0	0	0
Total																
2H(10-12)	173	54.1	46.3	7.5	0	1	0	3	22	50	58	28	5	2	4	0
2H(14-16)	161	58.4	47.5	10.5	0	3	1	2	13	53	40	25	13	6	0	5
12H(7-19)	919	55.7	46.7	8.7	1	7	6	18	100	280	270	146	44	26	12	9
24H(0-24)	1117	55.8	46.7	8.7	1	8	8	21	121	338	327	179	56	32	16	10
AM Peak	09:00 106	00:00 62.1	00:00 54.4	09:00 8.0	09:00 1	10:00 1	09:00 1	10:00 3	09:00 26	09:00 37	10:00 30	10:00 17	11:00 4	07:00 4	11:00 3	00:00 0
PM Peak	12:00 91	19:00 60.8	19:00 50.0	15:00 11.8	12:00 0	12:00 2	12:00 2	17:00 4	15:00 9	15:00 27	12:00 27	12:00 16	15:00 8	14:00 4	19:00 3	15:00 5

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	9	54.6	48.1	6.3	0	0	0	0	1	2	2	3	1	0	0	0
01:00	6	62.2	52.9	9.0	0	0	0	0	1	0	0	3	1	1	0	0
02:00	2	61.0	50.0	10.6	0	0	0	0	0	1	0	0	1	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	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
05:00	4	51.2	46.3	4.8	0	0	0	0	0	2	1	1	0	0	0	0
06:00	14	62.8	52.7	9.8	0	0	0	0	1	1	4	5	0	2	1	0
07:00	38	56.0	48.5	7.2	0	0	0	1	1	10	12	9	4	0	1	0
08:00	85	50.9	35.5	14.9	0	19	16	1	8	12	15	8	4	2	0	0
09:00	156	44.7	28.3	15.9	0	72	31	2	6	14	14	7	4	5	0	1
10:00	142	57.3	42.7	14.1	0	21	3	1	14	38	22	22	9	12	0	0
11:00	121	56.7	48.2	8.3	0	0	0	4	9	31	36	22	13	3	2	1
12:00	130	58.7	50.2	8.2	0	0	0	0	9	28	31	36	11	12	3	0
13:00	109	58.0	48.7	8.9	1	1	0	4	5	13	42	21	16	5	1	0
14:00	85	54.0	47.6	6.2	0	0	0	2	4	26	24	18	10	1	0	0
15:00	69	57.6	48.1	9.2	0	1	1	1	3	20	17	15	5	5	1	0
16:00	76	57.4	49.7	7.4	0	0	0	1	4	14	23	21	5	8	0	0
17:00	55	58.1	50.6	7.3	0	0	0	1	2	7	15	20	6	3	1	0
18:00	62	59.5	49.5	9.7	0	2	0	0	1	14	17	12	11	4	1	0
19:00	70	57.5	49.0	8.3	0	1	0	1	1	18	15	25	7	1	0	1
20:00	37	59.7	49.1	10.2	0	1	0	1	3	6	8	10	3	5	0	0
21:00	21	55.5	47.3	7.9	0	0	0	0	3	7	5	3	1	2	0	0
22:00	25	57.8	49.5	8.0	0	0	0	1	1	6	5	6	4	2	0	0
23:00	18	57.2	51.3	5.7	0	0	0	0	0	3	3	9	2	1	0	0
Total																
2H(10-12)	263	57.7	45.2	12.1	0	21	3	5	23	69	58	44	22	15	2	1
2H(14-16)	154	55.8	47.8	7.7	0	1	1	3	7	46	41	33	15	6	1	0
12H(7-19)	1128	58.1	44.3	13.3	1	116	51	18	66	227	268	211	98	60	10	2
24H(0-24)	1337	58.3	45.1	12.8	1	118	51	21	77	273	313	277	118	74	11	3
AM Peak	09:00 156	06:00 62.8	01:00 52.9	09:00 15.9	00:00 0	09:00 72	09:00 31	11:00 4	10:00 14	10:00 38	11:00 36	10:00 22	11:00 13	10:00 12	11:00 2	09:00 1
PM Peak	12:00 130	20:00 59.7	23:00 51.3	20:00 10.2	13:00 1	18:00 2	15:00 1	13:00 4	12:00 9	12:00 28	13:00 42	12:00 36	13:00 16	12:00 12	12:00 3	19:00 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<70	Bin 11 70<80	Bin 12 >=80
00:00	13	57.3	50.0	7.1	0	0	0	0	1	2	3	5	1	1	0	0
01:00	12	58.1	50.2	7.6	0	0	0	0	2	0	3	5	1	1	0	0
02:00	3	57.1	49.2	7.6	0	0	0	0	0	1	1	0	1	0	0	0
03:00	4	53.0	50.0	2.9	0	0	0	0	0	0	2	2	0	0	0	0
04:00	4	55.2	50.0	5.0	0	0	0	0	0	0	3	0	1	0	0	0
05:00	13	53.6	47.1	6.3	0	0	0	0	2	3	3	4	1	0	0	0
06:00	31	58.2	49.0	8.9	0	0	0	0	4	8	6	7	3	2	1	0
07:00	88	55.5	48.3	7.0	0	0	0	2	3	22	34	16	6	4	1	0
08:00	156	53.3	40.2	12.7	0	19	16	2	15	39	34	23	5	3	0	0
09:00	262	50.4	34.5	15.3	1	72	32	4	32	51	39	16	6	6	2	1
10:00	226	56.5	43.9	12.1	0	22	3	4	23	59	52	39	10	13	1	0
11:00	210	55.8	47.5	8.0	0	0	0	4	22	60	64	33	17	4	5	1
12:00	221	58.1	48.7	9.0	0	2	2	1	16	54	58	52	16	15	4	1
13:00	183	57.2	48.3	8.6	1	1	0	5	11	35	68	32	20	7	2	1
14:00	158	54.9	47.2	7.4	0	2	0	3	8	52	41	32	15	5	0	0
15:00	157	59.2	48.2	10.7	0	2	2	2	12	47	40	26	13	7	1	5
16:00	137	58.2	48.6	9.2	0	0	2	4	10	34	32	33	8	11	2	1
17:00	123	56.7	48.8	7.6	0	0	0	5	7	22	36	35	12	4	2	0
18:00	126	58.5	48.5	9.6	0	3	0	0	7	32	40	20	14	7	2	1
19:00	124	59.0	49.4	9.3	0	1	1	1	2	34	32	34	10	4	3	2
20:00	76	57.2	47.0	9.9	0	2	1	2	7	18	19	17	4	5	1	0
21:00	46	53.9	46.5	7.2	0	0	0	0	7	16	12	6	2	3	0	0
22:00	46	55.6	47.7	7.7	0	0	0	1	5	13	12	7	5	3	0	0
23:00	35	55.3	47.9	7.2	0	0	0	2	2	9	6	12	3	1	0	0
Total																
2H(10-12)	436	56.5	45.6	10.5	0	22	3	8	45	119	116	72	27	17	6	1
2H(14-16)	315	57.2	47.7	9.2	0	4	2	5	20	99	81	58	28	12	1	5
12H(7-19)	2047	57.3	45.4	11.5	2	123	57	36	166	507	538	357	142	86	22	11
24H(0-24)	2454	57.4	45.8	11.1	2	126	59	42	198	611	640	456	174	106	27	13
AM Peak	09:00 262	06:00 58.2	01:00 50.2	09:00 15.3	09:00 1	09:00 72	09:00 32	09:00 4	09:00 32	11:00 60	11:00 64	10:00 39	11:00 17	10:00 13	11:00 5	09:00 1
PM Peak	12:00 221	15:00 59.2	19:00 49.4	15:00 10.7	13:00 1	18:00 3	12:00 2	13:00 5	12:00 16	12:00 54	13:00 68	12:00 52	13:00 20	12:00 15	12:00 4	15:00 5

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

11/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	17	55.4	48.1	7.0	0	0	0	0	2	5	3	3	4	0	0	0
01:00	10	57.7	47.8	9.6	0	0	0	1	1	2	2	2	1	1	0	0
02:00	3	47.1	39.2	7.6	0	0	0	1	1	0	1	0	0	0	0	0
03:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
04:00	4	51.5	43.8	7.5	0	0	0	0	2	0	1	1	0	0	0	0
05:00	4	54.0	45.0	8.7	0	0	0	0	1	2	0	0	1	0	0	0
06:00	12	53.7	45.0	8.4	0	0	0	2	2	2	0	6	0	0	0	0
07:00	22	57.7	48.8	8.6	0	0	0	1	2	4	6	6	0	3	0	0
08:00	38	54.9	43.8	10.7	0	3	0	1	6	6	13	7	1	1	0	0
09:00	51	53.9	44.7	8.9	0	2	0	0	7	18	15	6	0	3	0	0
10:00	77	54.8	45.8	8.6	0	2	1	0	7	29	15	17	2	4	0	0
11:00	101	52.7	45.6	6.8	0	1	1	1	10	34	33	15	4	2	0	0
12:00	91	58.2	47.2	10.6	0	1	4	1	3	27	35	9	2	6	1	2
13:00	78	60.2	48.8	11.0	0	0	1	2	6	21	23	15	2	4	0	4
14:00	73	62.4	50.0	11.9	0	0	1	0	4	22	22	13	3	0	4	4
15:00	61	62.0	48.5	13.1	0	0	3	4	3	16	17	6	3	3	4	2
16:00	74	51.4	43.2	7.9	0	2	0	2	18	25	18	5	2	2	0	0
17:00	68	63.9	51.6	11.9	0	0	0	1	4	15	20	11	6	5	2	4
18:00	57	54.8	45.6	8.8	0	0	0	2	15	14	13	7	1	4	1	0
19:00	49	65.6	51.9	13.2	0	0	0	0	8	6	14	9	4	2	2	4
20:00	24	50.9	45.4	5.3	0	0	0	0	4	7	9	3	1	0	0	0
21:00	24	61.0	46.8	13.8	0	0	1	1	5	6	5	3	1	0	0	2
22:00	10	64.2	48.0	15.7	0	0	1	0	1	3	2	1	1	0	0	1
23:00	4	60.9	50.6	9.9	0	0	0	0	0	1	2	0	0	1	0	0
Total																
2H(10-12)	178	53.6	45.7	7.6	0	3	2	1	17	63	48	32	6	6	0	0
2H(14-16)	134	62.2	49.3	12.5	0	0	4	4	7	38	39	19	6	3	8	6
12H(7-19)	791	57.6	47.0	10.3	0	11	11	15	85	231	230	117	26	37	12	16
24H(0-24)	953	58.0	47.2	10.4	0	11	13	20	112	265	269	146	39	41	14	23
AM Peak	11:00	01:00	03:00	08:00	00:00	08:00	10:00	06:00	11:00	11:00	11:00	10:00	00:00	10:00	00:00	00:00
	101	57.7	52.5	10.7	0	3	1	2	10	34	33	17	4	4	0	0
PM Peak	12:00	19:00	19:00	22:00	12:00	16:00	12:00	15:00	16:00	12:00	12:00	13:00	17:00	12:00	14:00	13:00
	91	65.6	51.9	15.7	0	2	4	4	18	27	35	15	6	6	4	4

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	6	59.9	51.3	8.3	0	0	0	0	0	2	0	3	0	1	0	0
01:00	6	70.6	50.0	19.9	0	0	1	0	0	2	0	2	0	0	0	1
02:00	3	47.2	44.2	2.9	0	0	0	0	0	2	1	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	2	49.8	42.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
05:00	7	51.5	48.9	2.4	0	0	0	0	0	0	5	2	0	0	0	0
06:00	11	62.6	47.7	14.4	0	1	0	1	0	1	3	2	1	2	0	0
07:00	16	56.2	46.6	9.3	0	0	1	0	1	6	3	2	2	1	0	0
08:00	31	59.3	46.8	12.1	0	2	0	0	4	6	8	6	2	2	1	0
09:00	59	61.4	50.9	10.1	0	0	0	1	5	8	21	11	2	7	4	0
10:00	79	60.7	49.4	10.9	0	1	1	2	3	18	24	15	6	5	2	2
11:00	102	56.5	47.7	8.5	1	1	0	1	9	21	31	22	12	4	0	0
12:00	87	56.3	48.0	8.0	0	2	0	0	6	15	32	23	4	5	0	0
13:00	86	56.2	49.3	6.6	0	0	0	1	3	15	34	17	13	2	1	0
14:00	88	59.5	50.8	8.4	0	0	0	0	1	18	33	18	9	5	3	1
15:00	73	57.4	49.8	7.3	0	1	0	0	2	9	28	21	7	5	0	0
16:00	83	60.8	49.9	10.5	0	2	0	3	3	12	24	19	13	2	5	0
17:00	62	62.6	52.3	9.9	0	0	0	0	1	14	16	9	15	3	2	2
18:00	52	63.8	50.9	12.5	1	0	0	0	3	9	17	13	0	3	5	1
19:00	50	57.7	50.9	6.6	0	0	0	0	1	7	17	15	5	5	0	0
20:00	20	64.4	53.8	10.3	0	0	0	0	0	3	6	4	3	3	0	1
21:00	21	58.4	49.5	8.6	0	0	0	0	2	5	7	1	3	3	0	0
22:00	13	63.2	51.2	11.6	0	0	1	0	0	1	4	4	1	1	1	0
23:00	3	64.8	35.2	28.6	1	0	0	1	0	0	0	0	0	1	0	0
Total																
2H(10-12)	181	58.4	48.4	9.6	1	2	1	3	12	39	55	37	18	9	2	2
2H(14-16)	161	58.5	50.3	7.9	0	1	0	0	3	27	61	39	16	10	3	1
12H(7-19)	818	59.3	49.5	9.4	2	9	2	8	41	151	271	176	85	44	23	6
24H(0-24)	960	59.5	49.6	9.5	3	10	4	10	45	174	315	209	98	60	24	8
AM Peak	11:00	01:00	00:00	01:00	11:00	08:00	01:00	10:00	11:00	11:00	11:00	11:00	11:00	09:00	09:00	10:00
	102	70.6	51.3	19.9	1	2	1	2	9	21	31	22	12	7	4	2
PM Peak	14:00	23:00	20:00	23:00	18:00	12:00	22:00	16:00	12:00	14:00	13:00	12:00	17:00	12:00	16:00	17:00
	88	64.8	53.8	28.6	1	2	1	3	6	18	34	23	15	5	5	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<70	Bin 11 70<80	Bin 12 >=80
00:00	23	56.5	48.9	7.3	0	0	0	0	2	7	3	6	4	1	0	0
01:00	16	62.8	48.6	13.7	0	0	1	1	1	4	2	4	1	1	0	1
02:00	6	47.7	41.7	5.8	0	0	0	1	1	2	2	0	0	0	0	0
03:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
04:00	6	50.2	43.3	6.6	0	0	0	0	3	0	2	1	0	0	0	0
05:00	11	53.2	47.5	5.5	0	0	0	0	1	2	5	2	1	0	0	0
06:00	23	58.2	46.3	11.5	0	1	0	3	2	3	3	8	1	2	0	0
07:00	38	57.0	47.8	8.9	0	0	1	1	3	10	9	8	2	4	0	0
08:00	69	56.9	45.1	11.3	0	5	0	1	10	12	21	13	3	3	1	0
09:00	110	58.4	48.0	10.0	0	2	0	1	12	26	36	17	2	10	4	0
10:00	156	58.0	47.6	10.0	0	3	2	2	10	47	39	32	8	9	2	2
11:00	203	54.7	46.7	7.7	1	2	1	2	19	55	64	37	16	6	0	0
12:00	178	57.3	47.6	9.4	0	3	4	1	9	42	67	32	6	11	1	2
13:00	164	58.3	49.1	9.0	0	0	1	3	9	36	57	32	15	6	1	4
14:00	161	60.9	50.4	10.1	0	0	1	0	5	40	55	31	12	5	7	5
15:00	134	59.9	49.2	10.3	0	1	3	4	5	25	45	27	10	8	4	2
16:00	157	57.0	46.7	9.9	0	4	0	5	21	37	42	24	15	4	5	0
17:00	130	63.3	51.9	10.9	0	0	0	1	5	29	36	20	21	8	4	6
18:00	109	59.5	48.1	11.0	1	0	0	2	18	23	30	20	1	7	6	1
19:00	99	62.1	51.4	10.4	0	0	0	0	9	13	31	24	9	7	2	4
20:00	44	58.5	49.2	8.9	0	0	0	0	4	10	15	7	4	3	0	1
21:00	45	60.1	48.1	11.6	0	0	1	1	7	11	12	4	4	3	0	2
22:00	23	63.6	49.8	13.3	0	0	2	0	1	4	6	5	2	1	1	1
23:00	7	64.5	44.0	19.7	1	0	0	1	0	1	2	0	0	2	0	0
Total																
2H(10-12)	359	56.2	47.1	8.8	1	5	3	4	29	102	103	69	24	15	2	

Tween Bridge ATC 16, A161 Eastoft Road

Direction: Southwestbound

12/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	47.5	-	0	0	0	0	0	0	1	0	0	0	0	0
01:00	2	70.2	53.8	15.9	0	0	0	0	0	1	0	0	0	1	0	0
02:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
03:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
04:00	4	48.0	45.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
05:00	19	51.0	45.1	5.6	0	0	0	0	4	6	4	5	0	0	0	0
06:00	46	55.0	46.8	7.9	0	1	1	0	4	7	17	12	4	0	0	0
07:00	103	53.2	45.5	7.4	0	1	2	2	10	29	41	14	1	2	1	0
08:00	106	52.1	44.3	7.5	0	0	2	11	18	19	34	16	5	1	0	0
09:00	81	52.4	43.6	8.5	0	3	1	3	9	31	22	8	2	2	0	0
10:00	59	52.1	44.4	7.5	0	1	1	0	9	22	17	7	0	2	0	0
11:00	79	50.6	41.3	9.0	0	1	5	10	18	18	19	6	0	1	1	0
12:00	86	51.4	44.1	7.0	0	1	0	4	17	26	23	11	3	1	0	0
13:00	74	51.4	44.5	6.7	0	0	1	1	13	28	22	5	3	0	1	0
14:00	71	52.1	43.9	7.9	0	1	1	7	9	16	28	6	1	2	0	0
15:00	97	55.1	47.1	7.7	0	0	1	0	7	39	20	21	4	4	0	1
16:00	108	53.9	46.4	7.2	0	0	0	6	12	27	35	16	8	4	0	0
17:00	87	54.6	45.6	8.7	0	0	3	5	14	19	21	14	7	4	0	0
18:00	62	55.1	46.4	8.4	0	1	0	1	7	22	13	10	4	4	0	0
19:00	45	56.8	46.5	9.9	0	1	3	1	2	6	17	9	4	2	0	0
20:00	31	53.9	46.3	7.4	0	0	0	2	3	9	9	4	3	1	0	0
21:00	17	62.1	47.9	13.7	0	0	1	0	1	7	4	2	0	0	1	1
22:00	8	56.7	45.6	10.7	0	0	0	2	1	1	0	2	2	0	0	0
23:00	8	48.6	46.3	2.3	0	0	0	0	0	2	6	0	0	0	0	0
Total																
2H(10-12)	138	51.4	42.6	8.5	0	2	6	10	27	40	36	13	0	3	1	0
2H(14-16)	168	54.0	45.8	7.9	0	1	2	7	16	55	48	27	5	6	0	1
12H(7-19)	1013	53.0	44.8	7.9	0	9	17	50	143	296	295	134	38	27	3	1
24H(0-24)	1196	53.4	45.1	8.0	0	11	22	55	158	337	355	170	51	31	4	2
AM Peak	08:00	01:00	01:00	01:00	00:00	09:00	11:00	08:00	08:00	09:00	07:00	08:00	08:00	07:00	07:00	00:00
	106	70.2	53.8	15.9	0	3	5	11	18	31	41	16	5	2	1	0
PM Peak	16:00	21:00	21:00	21:00	12:00	12:00	17:00	14:00	12:00	15:00	16:00	15:00	16:00	15:00	13:00	15:00
	108	62.1	47.9	13.7	0	1	3	7	17	39	35	21	8	4	1	1

Paul Castle Associates

Direction: Northeastbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	1	-	37.5	-	0	0	0	0	1	0	0	0	0	0	0	0
01:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	2	25.0	25.0	0.0	0	0	2	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	17	56.2	48.8	7.1	0	0	0	0	1	5	4	4	2	1	0	0
06:00	43	56.8	50.2	6.4	0	0	0	0	0	10	12	15	2	4	0	0
07:00	82	59.5	49.1	10.1	0	2	1	0	4	13	30	18	6	6	1	1
08:00	108	54.1	45.4	8.4	0	0	8	4	4	32	29	24	4	3	0	0
09:00	87	54.4	47.4	6.8	0	1	0	1	7	18	29	24	6	1	0	0
10:00	66	56.3	46.8	9.2	0	2	0	2	4	18	18	15	4	2	1	0
11:00	86	52.6	45.6	6.7	0	0	1	5	9	20	33	12	5	1	0	0
12:00	68	56.5	47.6	8.6	0	2	0	1	3	12	28	14	6	1	1	0
13:00	69	54.6	46.3	7.9	0	0	1	8	4	14	15	21	5	1	0	0
14:00	74	56.4	48.0	8.1	0	0	1	2	5	16	28	10	7	4	1	0
15:00	107	56.1	48.9	7.0	0	0	0	2	3	23	40	27	6	4	2	0
16:00	104	56.1	49.8	6.1	0	0	0	0	4	15	41	25	14	5	0	0
17:00	111	60.6	50.3	9.9	0	2	0	0	5	20	32	29	11	8	2	2
18:00	62	55.5	49.4	5.8	0	0	0	0	2	12	20	19	7	2	0	0
19:00	47	59.5	51.4	7.7	0	0	0	0	1	8	14	12	6	5	1	0
20:00	37	61.1	50.6	10.1	0	1	0	0	1	8	6	12	4	4	1	0
21:00	33	59.6	50.3	8.9	0	0	0	0	0	8	14	6	2	0	3	0
22:00	16	56.5	48.9	7.3	0	0	0	1	0	3	5	5	1	1	0	0
23:00	4	51.7	45.0	6.5	0	0	0	0	1	1	1	1	0	0	0	0
Total																
2H(10-12)	152	54.3	46.1	7.9	0	2	1	7	13	38	51	27	9	3	1	0
2H(14-16)	181	56.2	48.5	7.4	0	0	1	4	8	39	68	37	13	8	3	0
12H(7-19)	1024	56.4	47.9	8.1	0	9	12	25	54	213	343	238	81	38	8	3
24H(0-24)	1225	56.8	48.3	8.2	0	10	14	26	59	256	399	294	98	53	13	3
AM Peak	08:00	07:00	01:00	07:00	00:00	07:00	08:00	11:00	11:00	08:00	11:00	08:00	07:00	07:00	07:00	07:00
	108	59.5	52.5	10.1	0	2	8	5	9	32	33	24	6	6	1	1
PM Peak	17:00	20:00	19:00	20:00	12:00	12:00	13:00	13:00	14:00	15:00	16:00	17:00	16:00	17:00	21:00	17:00
	111	61.1	51.4	10.1	0	2	1	8	5	23	41	29	14	8	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<70	Bin 11 70<80	Bin 12 ≥80
00:00	2	49.8	42.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
01:00	3	65.0	53.3	11.3	0	0	0	0	0	1	0	1	0	1	0	0
02:00	1	-	52.5	-	0	0	0	0	0	0	0	1	0	0	0	0
03:00	3	50.6	34.2	15.9	0	0	2	0	0	0	0	1	0	0	0	0
04:00	4	48.0	45.0	2.9	0	0	0	0	0	2	2	0	0	0	0	0
05:00	36	53.6	46.9	6.5	0	0	0	0	5	11	8	9	2	1	0	0
06:00	89	56.1	48.5	7.4	0	1	1	0	4	17	29	27	6	4	0	0
07:00	185	56.2	47.1	8.9	0	3	3	2	14	42	71	32	7	8	2	1
08:00	214	53.1	44.9	8.0	0	0	10	15	22	51	63	40	9	4	0	0
09:00	168	53.7	45.6	7.9	0	4	1	4	16	49	51	32	8	3	0	0
10:00	125	54.4	45.6	8.5	0	3	1	2	13	40	35	22	4	4	1	0
11:00	165	52.0	43.6	8.1	0	1	6	15	27	38	52	18	5	2	1	0
12:00	154	53.9	45.6	7.9	0	3	0	5	20	38	51	25	9	2	1	0
13:00	143	53.0	45.4	7.3	0	0	2	9	17	42	37	26	8	1	1	0
14:00	145	54.5	46.0	8.2	0	1	2	9	14	32	56	16	8	6	1	0
15:00	204	55.7	48.0	7.4	0	0	1	2	10	62	60	48	10	8	2	1
16:00	212	55.2	48.1	6.9	0	0	0	6	16	42	76	41	22	9	0	0
17:00	198	58.2	48.2	9.7	0	2	3	5	19	39	53	43	18	12	2	2
18:00	124	55.6	47.9	7.4	0	1	0	1	9	34	33	29	11	6	0	0
19:00	92	58.5	49.0	9.2	0	1	3	1	3	14	31	21	10	7	1	0
20:00	68	58.1	48.6	9.2	0	1	0	2	4	17	15	16	7	5	1	0
21:00	50	60.6	49.5	10.7	0	0	1	0	1	15	18	8	2	0	4	1
22:00	24	56.6	47.8	8.5	0	0	0	3	1	4	5	7	3	1	0	0
23:00	12	49.9	45.8	3.9	0	0	0	0	1	3	7	1	0	0	0	0
Total																
2H(10-12)	290	53.1	44.5	8.3	0	4	7	17	40	78	87	40	9	6	2	0
2H(14-16)	349	55.3	47.2	7.8	0	1	3	11	24	94	116	64	18	14	3	1
12H(7-19)	2037	54.9	46.4	8.2	0	18	29	75	197	509	638	372	119	65	11	4
24H(0-24)	2421	55.3	46.7	8.3	0	21	36	81	217	593	754	464	149	84	17	5
AM Peak	08:00 214	01:00 65.0	01:00 53.3	03:00 15.9	00:00 0	09:00 4	08:00 10	08:00 15	11:00 27	08:00 51	07:00 71	08:00 40	08:00 9	07:00 8	07:00 2	07:00 1
PM Peak	16:00 212	21:00 60.6	21:00 49.5	21:00 10.7	12:00 0	12:00 3	17:00 3	13:00 9	12:00 20	15:00 62	16:00 76	15:00 48	16:00 22	17:00 12	21:00 4	17:00 2



Appendix Q : Automatic Traffic Survey Reports – Link 17

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	5	8	4	6	14	25	5	6	10
01:00	1	4	5	2	8	12	7	4	6
02:00	7	5	4	10	2	13	6	6	7
03:00	8	12	12	6	9	3	14	10	9
04:00	23	27	28	37	13	6	28	29	23
05:00	109	97	98	105	34	19	100	102	80
06:00	179	186	206	168	53	40	186	185	145
07:00	417	473	396	403	152	64	422	422	332
08:00	480	469	465	442	247	116	492	470	387
09:00	249	288	288	285	379	233	282	278	286
10:00	225	259	263	284	366	300	262	259	280
11:00	261	211	247	309	371	299	281	262	283
12:00	286	263	240	300	299	266	270	272	275
13:00	257	242	218	310	280	256	243	254	258
14:00	254	240	247	256	221	210	268	253	242
15:00	319	342	321	395	234	181	273	330	295
16:00	279	300	307	289	225	202	273	290	268
17:00	272	295	303	325	209	195	299	299	271
18:00	209	233	235	234	164	171	232	229	211
19:00	170	149	158	177	158	130	159	163	157
20:00	90	96	95	136	108	85	123	108	105
21:00	63	73	76	81	92	61	65	72	73
22:00	31	52	25	45	90	34	26	36	43
23:00	14	13	15	29	30	16	20	18	20
Total									
12H(7-19)	3508	3615	3530	3832	3147	2493	3597	3616	3389
16H(6-22)	4010	4119	4065	4394	3558	2809	4130	4144	3869
18H(6-24)	4055	4184	4105	4468	3678	2859	4176	4198	3932
24H(0-24)	4208	4337	4256	4634	3758	2937	4336	4354	4067
AM Peak	08:00	07:00	08:00	08:00	09:00	10:00	08:00	08:00	08:00
	420	473	465	442	379	300	492	470	387
PM Peak	15:00	15:00	15:00	15:00	12:00	12:00	17:00	15:00	15:00
	319	342	321	395	299	266	299	330	295

Paul Castle Associates

Direction: Northbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	8	10	8	17	28	27	14	11	16
01:00	1	2	4	9	13	15	4	4	7
02:00	3	5	4	5	9	13	5	4	6
03:00	8	5	0	6	3	4	6	5	5
04:00	6	9	7	6	9	3	7	7	7
05:00	13	29	23	20	13	13	22	21	19
06:00	62	62	73	67	35	28	72	67	57
07:00	201	228	217	224	72	47	228	220	174
08:00	310	261	324	281	170	89	287	289	208
09:00	268	218	244	222	370	159	255	241	248
10:00	241	233	216	241	336	227	260	238	251
11:00	210	273	233	308	375	264	263	257	275
12:00	241	260	245	344	391	292	269	272	292
13:00	255	278	244	334	306	296	272	277	284
14:00	374	334	357	392	330	249	328	357	338
15:00	359	354	382	400	273	251	308	361	332
16:00	497	453	481	492	294	270	474	479	423
17:00	497	526	489	440	278	189	499	490	417
18:00	336	335	306	345	184	183	268	318	280
19:00	209	212	213	242	214	141	187	213	203
20:00	161	146	150	189	115	125	154	160	149
21:00	92	110	116	108	94	70	95	104	98
22:00	50	69	50	79	76	53	65	63	63
23:00	15	17	24	44	46	19	14	23	26
Total									
12H(7-19)	3789	3753	3738	4023	3379	2516	3711	3803	3558
16H(6-22)	4313	4283	4290	4629	3837	2880	4219	4347	4064
18H(6-24)	4378	4369	4364	4752	3959	2952	4298	4432	4153
24H(0-24)	4417	4429	4410	4815	4034	3027	4356	4485	4213
AM Peak	08:00	11:00	08:00	11:00	11:00	11:00	08:00	08:00	11:00
	310	273	324	308	375	264	287	293	275
PM Peak	16:00	17:00	17:00	16:00	12:00	13:00	17:00	17:00	16:00
	497	526	489	492	391	296	499	490	423

Paul Castle Associates

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	13	18	12	23	42	52	19	17	26
01:00	2	6	9	11	21	27	11	8	12
02:00	10	10	8	15	11	26	11	11	13
03:00	16	17	12	12	12	7	20	15	14
04:00	20	36	35	43	22	9	35	36	30
05:00	122	126	121	125	47	32	122	123	99
06:00	241	248	279	235	88	68	258	252	202
07:00	618	701	613	627	224	111	650	642	506
08:00	790	730	789	723	417	205	779	762	633
09:00	517	506	532	507	749	392	537	520	534
10:00	466	492	479	525	702	527	497	530	530
11:00	471	484	480	617	746	563	544	519	558
12:00	527	523	485	644	690	558	539	544	567
13:00	512	520	462	644	586	552	515	531	542
14:00	628	574	604	648	551	459	596	610	580
15:00	678	696	703	795	507	432	581	691	627
16:00	776	753	788	781	519	472	747	769	691
17:00	769	821	792	765	487	384	798	789	688
18:00	545	568	541	579	348	354	500	547	491
19:00	379	361	371	419	372	271	346	375	360
20:00	251	242	245	325	223	210	277	268	253
21:00	155	183	192	189	186	131	160	176	171
22:00	81	121	75	124	166	87	91	98	106
23:00	29	30	39	73	76	35	34	41	45
Total									
12H(7-19)	7297	7368	7268	7855	6526	5009	7308	7419	6947
16H(6-22)	8323	8402	8355	9023	7395	5689	8349	8490	7934
18H(6-24)	8433	8553	8469	9220	7637	5811	8474	8620	8085
24H(0-24)	8625	8766	8666	9449	7792	5964	8692	8840	8279
AM Peak	08:00	08:00	08:00	08:00	09:00	11:00	08:00	08:00	08:00
	790	730	789	723	749	563	779	762	633
PM Peak	16:00	17:00	17:00	15:00	12:00	12:00	17:00	17:00	16:00
	776	821	792	795	690	658	798	789	691

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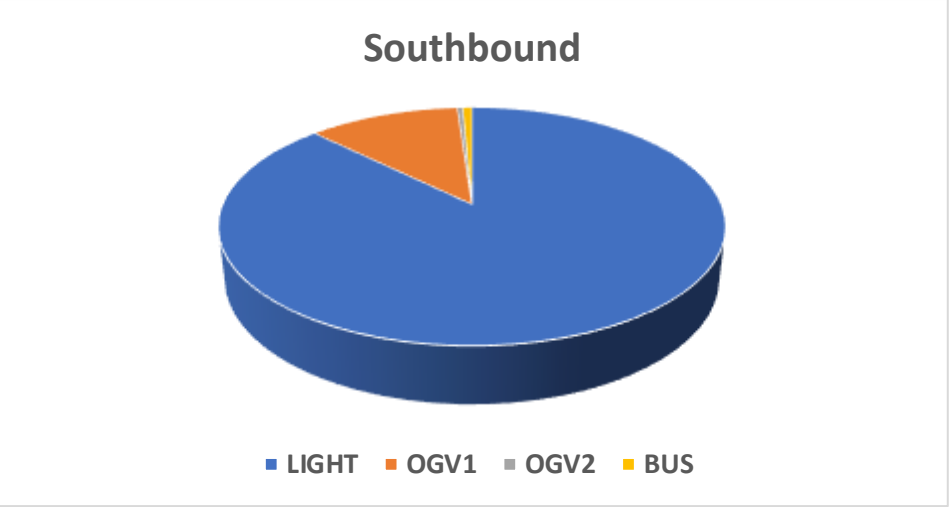


Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4208	3625	526	19	38
Wed 7 Jun 2023	4337	3726	546	22	43
Thu 8 Jun 2023	4256	3687	524	17	28
Fri 9 Jun 2023	4634	4009	568	18	39
Sat 10 Jun 2023	3758	3411	322	10	15
Sun 11 Jun 2023	2937	2679	248	6	4
Mon 12 Jun 2023	4336	3719	557	28	32
5 Day Ave.	4354	3753	544	21	36
7 Day Ave.	4067	3551	470	17	28

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	86.1%	12.5%	0.5%	0.9%
Wed 7 Jun 2023	100.0%	85.9%	12.6%	0.5%	1.0%
Thu 8 Jun 2023	100.0%	86.6%	12.3%	0.4%	0.7%
Fri 9 Jun 2023	100.0%	86.5%	12.3%	0.4%	0.8%
Sat 10 Jun 2023	100.0%	90.8%	8.6%	0.3%	0.4%
Sun 11 Jun 2023	100.0%	91.2%	8.4%	0.2%	0.1%
Mon 12 Jun 2023	100.0%	85.8%	12.8%	0.6%	0.7%
5 Day Ave.	100.0%	86.2%	12.5%	0.5%	0.8%
7 Day Ave.	100.0%	87.3%	11.6%	0.4%	0.7%

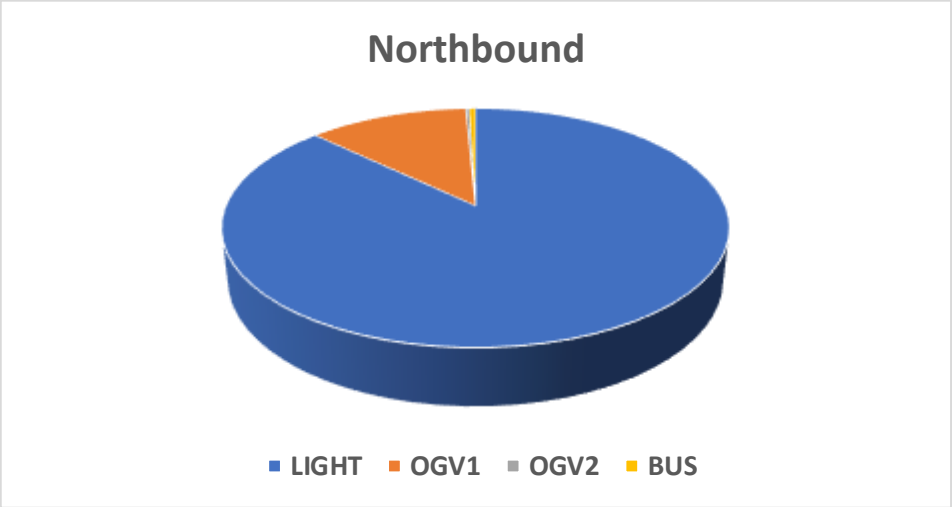
Paul Castle Associates



Direction: Northbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	4417	3896	495	6	20
Wed 7 Jun 2023	4429	3831	560	10	28
Thu 8 Jun 2023	4410	3842	535	10	23
Fri 9 Jun 2023	4815	4177	603	15	20
Sat 10 Jun 2023	4034	3594	417	14	9
Sun 11 Jun 2023	3027	2667	347	8	5
Mon 12 Jun 2023	4356	3674	630	16	36
5 Day Ave.	4485	3884	565	11	25
7 Day Ave.	4213	3669	512	11	20

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	88.2%	11.2%	0.1%	0.5%
Wed 7 Jun 2023	100.0%	86.5%	12.6%	0.2%	0.6%
Thu 8 Jun 2023	100.0%	87.1%	12.1%	0.2%	0.5%
Fri 9 Jun 2023	100.0%	86.7%	12.5%	0.3%	0.4%
Sat 10 Jun 2023	100.0%	89.1%	10.3%	0.3%	0.2%
Sun 11 Jun 2023	100.0%	88.1%	11.5%	0.3%	0.2%
Mon 12 Jun 2023	100.0%	84.3%	14.5%	0.4%	0.8%
5 Day Ave.	100.0%	86.6%	12.6%	0.3%	0.6%
7 Day Ave.	100.0%	87.1%	12.2%	0.3%	0.5%

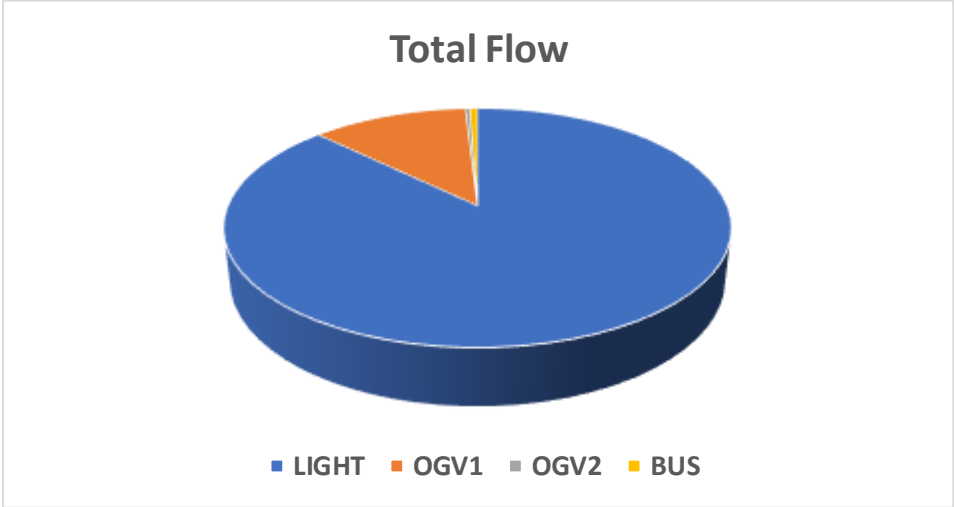
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	8625	7521	1021	25	58
Wed 7 Jun 2023	8766	7557	1106	32	71
Thu 8 Jun 2023	8666	7529	1059	27	51
Fri 9 Jun 2023	9449	8186	1171	33	59
Sat 10 Jun 2023	7792	7005	739	24	24
Sun 11 Jun 2023	5964	5346	595	14	9
Mon 12 Jun 2023	8692	7393	1187	44	68
5 Day Ave.	8840	7637	1109	32	61
7 Day Ave.	8279	7220	983	28	49

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	87.2%	11.8%	0.3%	0.7%
Wed 7 Jun 2023	100.0%	86.2%	12.6%	0.4%	0.8%
Thu 8 Jun 2023	100.0%	86.9%	12.2%	0.3%	0.6%
Fri 9 Jun 2023	100.0%	86.6%	12.4%	0.3%	0.6%
Sat 10 Jun 2023	100.0%	89.9%	9.5%	0.3%	0.3%
Sun 11 Jun 2023	100.0%	89.6%	10.0%	0.2%	0.2%
Mon 12 Jun 2023	100.0%	85.1%	13.7%	0.5%	0.8%
5 Day Ave.	100.0%	86.4%	12.5%	0.4%	0.7%
7 Day Ave.	100.0%	87.2%	11.9%	0.3%	0.6%

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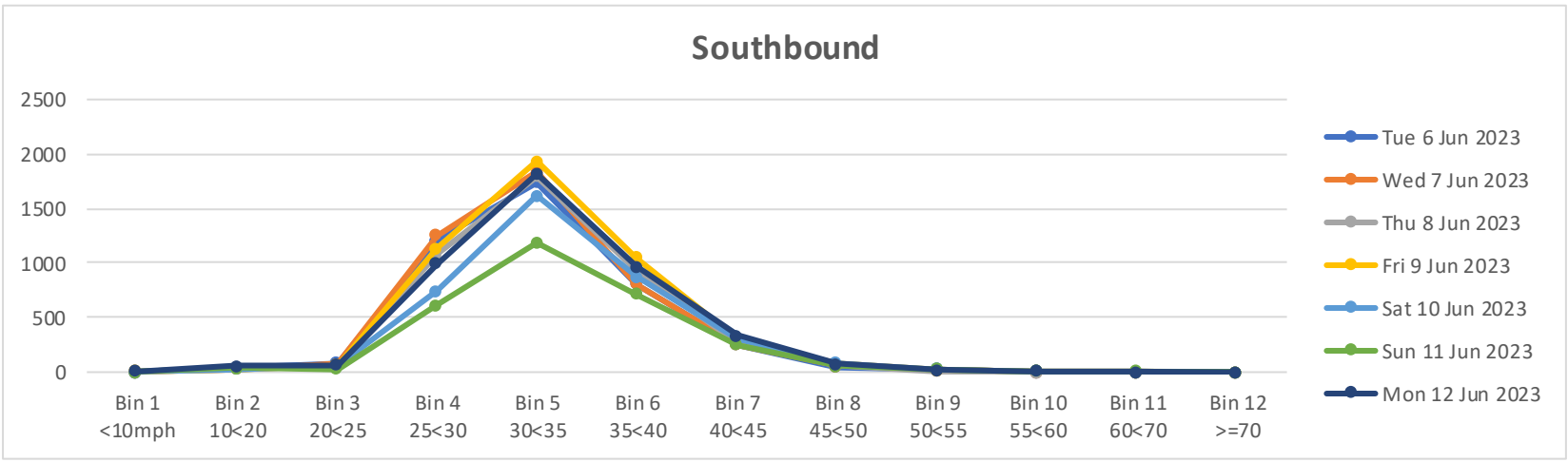


Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	4208	38.2	32.6	5.4	2	38	82	1209	1736	809	247	50	29	3	3	0
Wed 7 Jun 2023	4337	38.0	32.6	5.2	3	24	76	1255	1839	810	248	59	19	2	2	0
Thu 8 Jun 2023	4256	38.5	33.0	5.3	4	32	52	1078	1791	936	274	70	13	5	1	0
Fri 9 Jun 2023	4634	38.8	33.2	5.4	8	25	62	1134	1936	1054	310	74	20	6	3	2
Sat 10 Jun 2023	3758	39.6	33.7	5.7	5	28	59	743	1620	876	302	88	25	8	4	0
Sun 11 Jun 2023	2937	40.3	33.9	6.2	5	33	29	614	1186	717	253	53	28	7	9	3
Mon 12 Jun 2023	4336	39.0	33.2	5.6	11	52	63	993	1819	967	335	71	16	7	2	0
5 Day Ave.	4354	38.5	32.9	5.4	6	34	67	1134	1824	915	283	65	19	5	2	0
7 Day Ave.	4067	38.9	33.2	5.6	5	33	60	1004	1704	881	281	66	21	5	3	1

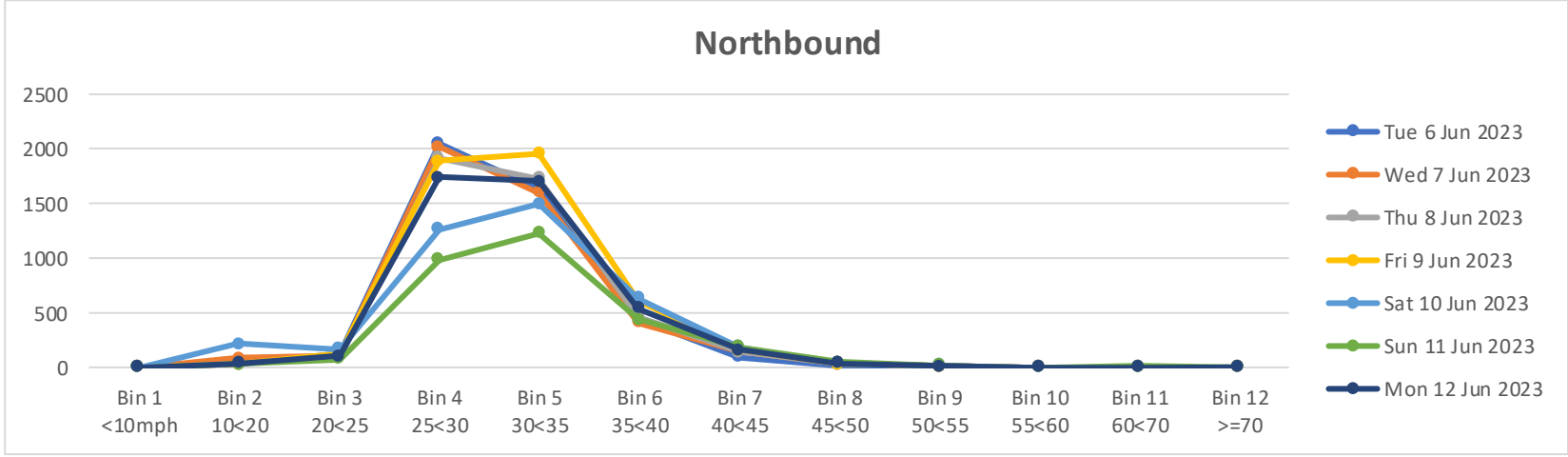
Paul Castle Associates



Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	4417	35.4	30.6	4.6	5	28	129	2049	1632	439	97	23	8	5	2	0
Wed 7 Jun 2023	4429	35.9	30.6	5.1	2	83	115	2020	1599	409	147	35	12	4	3	0
Thu 8 Jun 2023	4410	35.8	31.0	4.6	1	26	91	1914	1732	462	140	32	10	2	0	0
Fri 9 Jun 2023	4815	36.3	31.3	4.8	4	29	120	1889	1956	605	163	32	12	3	2	0
Sat 10 Jun 2023	4034	37.8	31.1	6.4	3	215	168	1261	1497	635	188	42	16	5	4	0
Sun 11 Jun 2023	3027	38.1	32.2	5.7	4	32	76	991	1226	440	184	46	18	4	6	0
Mon 12 Jun 2023	4356	36.6	31.3	5.1	4	36	107	1744	1702	542	162	40	11	5	2	1
5 Day Ave.	4485	36.0	31.0	4.8	3	40	112	1923	1724	491	142	32	11	4	2	0
7 Day Ave.	4213	36.6	31.2	5.2	3	64	115	1695	1621	505	154	36	12	4	3	0

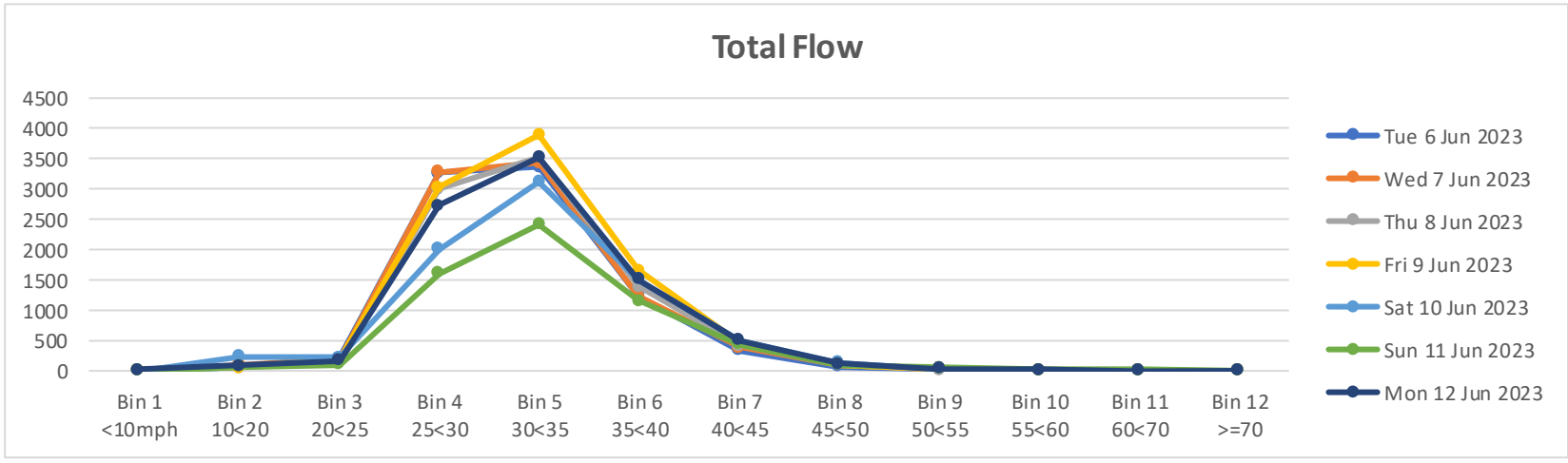
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Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	8625	36.9	31.6	5.1	7	66	211	3258	3368	1248	344	73	37	8	5	0
Wed 7 Jun 2023	8766	37.0	31.6	5.3	5	107	191	3275	3438	1219	395	94	31	6	5	0
Thu 8 Jun 2023	8666	37.3	32.0	5.1	5	58	143	2992	3523	1398	414	102	23	7	1	0
Fri 9 Jun 2023	9449	37.6	32.2	5.2	12	54	182	3023	3892	1659	473	106	32	9	5	2
Sat 10 Jun 2023	7792	38.8	32.4	6.2	8	243	227	2004	3117	1511	490	130	41	13	8	0
Sun 11 Jun 2023	5964	39.2	33.0	6.0	9	65	105	1605	2412	1157	437	99	46	11	15	3
Mon 12 Jun 2023	8692	37.9	32.3	5.4	15	88	170	2737	3521	1509	497	111	27	12	4	1
5 Day Ave.	8840	37.4	31.9	5.2	9	75	179	3057	3548	1407	425	97	30	8	4	1
7 Day Ave.	8279	37.8	32.2	5.5	9	97	176	2699	3324	1386	436	102	34	9	6	1

Paul Castle Associates



Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	486	36.6	31.5	4.9	1	7	10	163	215	75	9	4	2	0	0	0
Wed 7 Jun 2023	470	36.8	32.1	4.5	0	2	4	155	210	74	21	4	0	0	0	0
Thu 8 Jun 2023	510	36.6	31.4	5.0	2	5	10	188	213	65	23	3	1	0	0	0
Fri 9 Jun 2023	593	36.7	32.3	4.2	0	0	5	174	276	113	22	3	0	0	0	0
Sat 10 Jun 2023	737	37.5	32.4	4.9	1	12	16	154	374	147	27	6	0	0	0	0
Sun 11 Jun 2023	599	38.3	33.0	5.1	0	4	4	154	261	132	33	9	1	0	1	0
Mon 12 Jun 2023	543	38.5	33.3	5.0	0	4	7	111	250	125	37	7	2	0	0	0
5 Day Ave.	520	37.0	32.1	4.7	1	4	7	158	233	90	22	4	1	0	0	0
7 Day Ave.	563	37.3	32.3	4.8	1	5	8	157	257	104	25	5	1	0	0	0

Paul Castle Associates

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	451	35.3	30.8	4.4	2	1	3	211	177	47	6	2	2	0	0	0
Wed 7 Jun 2023	506	34.6	30.1	4.3	0	11	8	239	211	27	8	0	2	0	0	0
Thu 8 Jun 2023	449	34.3	30.2	4.0	0	2	16	218	175	29	7	2	0	0	0	0
Fri 9 Jun 2023	549	35.4	30.9	4.4	0	2	14	245	212	55	17	4	0	0	0	0
Sat 10 Jun 2023	711	36.4	30.7	5.5	2	29	16	258	290	92	19	3	2	0	0	0
Sun 11 Jun 2023	491	37.0	31.3	5.5	2	13	12	163	204	71	23	1	2	0	0	0
Mon 12 Jun 2023	523	35.6	31.1	4.3	0	1	13	221	198	74	15	1	0	0	0	0
5 Day Ave.	496	35.1	30.6	4.3	0	3	11	227	195	46	11	2	1	0	0	0
7 Day Ave.	526	35.5	30.7	4.6	1	8	12	222	210	56	14	2	1	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	937	36.0	31.1	4.7	3	8	13	374	392	122	15	6	4	0	0	0
Wed 7 Jun 2023	976	35.7	31.0	4.5	0	13	12	394	421	101	29	4	2	0	0	0
Thu 8 Jun 2023	959	35.6	30.8	4.6	2	7	26	406	388	94	30	5	1	0	0	0
Fri 9 Jun 2023	1142	36.2	31.6	4.4	0	2	19	419	488	168	39	7	0	0	0	0
Sat 10 Jun 2023	1448	37.0	31.6	5.3	3	41	32	412	664	239	46	9	2	0	0	0
Sun 11 Jun 2023	1090	37.8	32.2	5.3	2	17	16	317	465	203	56	10	3	0	1	0
Mon 12 Jun 2023	1066	37.2	32.2	4.8	0	5	20	332	448	199	52	8	2	0	0	0
5 Day Ave.	1016	36.1	31.4	4.6	1	7	18	385	427	137	33	6	2	0	0	0
7 Day Ave.	1088	36.5	31.5	4.8	1	13	20	379	467	161	38	7	2	0	0	0

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	573	36.7	31.7	4.8	1	3	13	201	231	97	25	1	1	0	0	0
Wed 7 Jun 2023	582	36.4	31.6	4.7	0	9	10	188	265	93	13	3	1	0	0	0
Thu 8 Jun 2023	568	37.5	32.9	4.4	0	1	3	143	266	117	35	3	0	0	0	0
Fri 9 Jun 2023	651	38.5	32.8	5.5	3	9	12	144	292	146	33	9	1	2	0	0
Sat 10 Jun 2023	455	39.7	34.0	5.5	0	4	5	77	208	107	39	9	5	1	0	0
Sun 11 Jun 2023	391	40.0	34.0	5.8	2	3	7	59	173	100	40	3	2	1	1	0
Mon 12 Jun 2023	541	37.8	32.3	5.3	2	9	10	137	252	100	22	7	2	0	0	0
5 Day Ave.	583	37.4	32.3	5.0	1	6	10	163	261	111	26	5	1	0	0	0
7 Day Ave.	537	38.1	32.7	5.2	1	5	9	136	241	109	30	5	2	1	0	0

Paul Castle Associates

Direction: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	733	34.5	30.2	4.2	0	4	25	369	259	60	13	2	1	0	0	0
Wed 7 Jun 2023	688	35.1	30.2	4.7	0	6	24	358	219	55	22	2	0	1	1	0
Thu 8 Jun 2023	739	35.0	30.8	4.1	0	1	11	343	297	66	16	5	0	0	0	0
Fri 9 Jun 2023	792	35.5	30.8	4.5	0	6	28	340	293	100	23	2	0	0	0	0
Sat 10 Jun 2023	603	37.2	32.1	4.9	0	3	13	194	257	102	26	5	3	0	0	0
Sun 11 Jun 2023	500	37.5	32.3	5.0	0	2	9	150	237	62	30	8	2	0	0	0
Mon 12 Jun 2023	636	36.0	30.5	5.3	2	14	34	249	241	74	17	3	2	0	0	0
5 Day Ave.	718	35.2	30.5	4.6	0	6	24	332	262	71	18	3	1	0	0	0
7 Day Ave.	670	35.8	31.0	4.7	0	5	21	286	258	74	21	4	1	0	0	0

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
Tue 6 Jun 2023	1306	35.5	30.9	4.5	1	7	38	570	490	157	38	3	2	0	0	0
Wed 7 Jun 2023	1270	35.8	30.9	4.7	0	15	34	546	484	148	35	5	1	1	1	0
Thu 8 Jun 2023	1307	36.2	31.7	4.4	0	2	14	486	563	183	51	8	0	0	0	0
Fri 9 Jun 2023	1443	37.0	31.7	5.1	3	15	40	484	585	246	56	11	1	2	0	0
Sat 10 Jun 2023	1058	38.4	32.9	5.3	0	7	18	271	465	209	65	14	8	1	0	0
Sun 11 Jun 2023	891	38.6	33.0	5.4	2	5	16	209	410	162	70	11	4	1	1	0
Mon 12 Jun 2023	1177	36.9	31.3	5.4	4	23	44	386	493	174	39	10	4	0	0	0
5 Day Ave.	1301	36.3	31.3	4.8	2	12	34	494	523	182	44	7	2	1	0	0
7 Day Ave.	1207	36.9	31.8	5.0	1	11	29	422	499	183	51	9	3	1	0	0

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	1	0	1	0	0
02:00	7	7	0	0	0
03:00	8	5	3	0	0
04:00	23	19	4	0	0
05:00	109	95	13	1	0
06:00	179	151	26	0	2
07:00	417	369	44	1	3
08:00	480	417	54	3	6
09:00	249	208	35	3	3
10:00	225	186	37	1	1
11:00	261	220	35	2	4
12:00	286	236	46	3	1
13:00	257	202	50	1	4
14:00	254	216	33	1	4
15:00	319	280	31	2	6
16:00	279	239	38	0	2
17:00	272	247	24	0	1
18:00	209	189	19	0	1
19:00	170	151	19	0	0
20:00	90	82	8	0	0
21:00	63	58	4	1	0
22:00	31	30	1	0	0
23:00	14	13	1	0	0
Total					
12H(7-19)	3508	3009	446	17	36
16H(6-22)	4010	3451	503	18	38
18H(6-24)	4055	3494	505	18	38
24H(0-24)	4208	3625	526	19	38
AM Peak	08:00 480	08:00 417	08:00 54	08:00 3	08:00 6
PM Peak	15:00 319	15:00 280	13:00 50	12:00 3	15:00 6

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	1	0	0
01:00	1	1	0	0	0
02:00	3	2	1	0	0
03:00	8	7	1	0	0
04:00	6	5	1	0	0
05:00	13	10	3	0	0
06:00	62	54	6	0	2
07:00	201	187	12	1	1
08:00	310	282	25	0	3
09:00	268	237	29	0	2
10:00	241	207	34	0	0
11:00	210	176	32	0	2
12:00	241	211	30	0	0
13:00	255	228	24	0	3
14:00	374	331	40	0	3
15:00	359	299	57	0	3
16:00	497	417	76	3	1
17:00	497	446	51	0	0
18:00	336	307	27	2	0
19:00	209	192	17	0	0
20:00	161	148	13	0	0
21:00	92	80	12	0	0
22:00	50	48	2	0	0
23:00	15	14	1	0	0
Total					
12H(7-19)	3789	3328	437	6	18
16H(6-22)	4313	3802	485	6	20
18H(6-24)	4378	3864	488	6	20
24H(0-24)	4417	3896	495	6	20
AM Peak	08:00 310	08:00 282	10:00 34	07:00 1	08:00 3
PM Peak	16:00 497	17:00 446	16:00 76	16:00 3	13:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	13	12	1	0	0
01:00	2	1	1	0	0
02:00	10	9	1	0	0
03:00	16	12	4	0	0
04:00	29	24	5	0	0
05:00	122	105	16	1	0
06:00	241	205	32	0	4
07:00	618	556	56	2	4
08:00	790	699	79	3	9
09:00	517	445	64	3	5
10:00	466	393	71	1	1
11:00	471	396	67	2	6
12:00	527	447	76	3	1
13:00	512	430	74	1	7
14:00	628	547	73	1	7
15:00	678	579	88	2	9
16:00	776	656	114	3	3
17:00	769	693	75	0	1
18:00	545	496	46	2	1
19:00	379	343	36	0	0
20:00	251	230	21	0	0
21:00	155	138	16	1	0
22:00	81	78	3	0	0
23:00	29	27	2	0	0
Total					
12H(7-19)	7297	6337	883	23	54
16H(6-22)	8323	7253	988	24	58
18H(6-24)	8433	7358	993	24	58
24H(0-24)	8625	7521	1021	25	58
AM Peak	08:00 790	08:00 699	08:00 79	08:00 3	08:00 9
PM Peak	16:00 776	17:00 693	16:00 114	12:00 3	15:00 9

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

07/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	1	0	0
01:00	4	3	0	0	1
02:00	5	5	0	0	0
03:00	12	8	3	1	0
04:00	27	24	3	0	0
05:00	97	80	16	1	0
06:00	186	160	25	0	1
07:00	473	405	66	1	1
08:00	469	406	54	1	8
09:00	288	240	44	0	4
10:00	259	213	44	0	2
11:00	211	178	31	1	1
12:00	263	235	23	1	4
13:00	242	198	38	4	2
14:00	240	205	27	4	4
15:00	342	289	42	3	8
16:00	300	264	31	2	3
17:00	295	265	28	1	1
18:00	233	200	31	0	2
19:00	149	136	10	2	1
20:00	96	86	10	0	0
21:00	73	61	12	0	0
22:00	52	48	4	0	0
23:00	13	10	3	0	0
Total					
12H(7-19)	3615	3098	459	18	40
16H(6-22)	4119	3541	516	20	42
18H(6-24)	4184	3599	523	20	42
24H(0-24)	4337	3726	546	22	43
AM Peak	07:00 473	08:00 406	07:00 66	03:00 1	08:00 8
PM Peak	15:00 342	15:00 289	15:00 42	13:00 4	15:00 8

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	8	2	0	0
01:00	2	2	0	0	0
02:00	5	3	2	0	0
03:00	5	5	0	0	0
04:00	9	7	2	0	0
05:00	29	24	5	0	0
06:00	62	54	8	0	0
07:00	228	204	21	1	2
08:00	261	231	28	1	1
09:00	218	190	28	0	0
10:00	233	198	34	1	0
11:00	273	236	35	0	2
12:00	260	214	39	0	7
13:00	278	233	42	2	1
14:00	334	282	46	1	5
15:00	354	299	51	0	4
16:00	453	388	61	0	4
17:00	526	458	67	1	0
18:00	335	293	40	0	2
19:00	212	193	18	1	0
20:00	146	127	17	2	0
21:00	110	104	6	0	0
22:00	69	62	7	0	0
23:00	17	16	1	0	0
Total					
12H(7-19)	3753	3226	492	7	28
16H(6-22)	4283	3704	541	10	28
18H(6-24)	4369	3782	549	10	28
24H(0-24)	4429	3831	560	10	28
AM Peak	11:00 273	11:00 236	11:00 35	07:00 1	07:00 2
PM Peak	17:00 526	17:00 458	17:00 67	13:00 2	12:00 7

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	18	15	3	0	0
01:00	6	5	0	0	1
02:00	10	8	2	0	0
03:00	17	13	3	1	0
04:00	36	31	5	0	0
05:00	126	104	21	1	0
06:00	248	214	33	0	1
07:00	701	609	87	2	3
08:00	730	637	82	2	9
09:00	506	430	72	0	4
10:00	492	411	78	1	2
11:00	484	414	66	1	3
12:00	523	449	62	1	11
13:00	520	431	80	6	3
14:00	574	487	73	5	9
15:00	696	588	93	3	12
16:00	753	652	92	2	7
17:00	821	723	95	2	1
18:00	568	493	71	0	4
19:00	361	329	28	3	1
20:00	242	213	27	2	0
21:00	183	165	18	0	0
22:00	121	110	11	0	0
23:00	30	26	4	0	0
Total					
12H(7-19)	7368	6324	951	25	68
16H(6-22)	8402	7245	1057	30	70
18H(6-24)	8553	7381	1072	30	70
24H(0-24)	8766	7557	1106	32	71
AM Peak	08:00 730	08:00 637	07:00 87	07:00 2	08:00 9
PM Peak	17:00 821	17:00 723	17:00 95	13:00 6	15:00 12

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

08/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	4	4	0	0	0
01:00	5	3	2	0	0
02:00	4	3	1	0	0
03:00	12	9	2	1	0
04:00	28	22	4	2	0
05:00	98	81	16	1	0
06:00	206	173	32	0	1
07:00	396	337	58	0	1
08:00	465	407	51	2	5
09:00	288	254	31	1	2
10:00	263	219	38	1	5
11:00	247	201	42	2	2
12:00	240	208	29	2	1
13:00	218	183	32	1	2
14:00	247	210	36	0	1
15:00	321	281	36	1	3
16:00	307	267	36	1	3
17:00	303	271	29	1	2
18:00	235	212	22	1	0
19:00	158	143	15	0	0
20:00	95	88	7	0	0
21:00	76	73	3	0	0
22:00	25	25	0	0	0
23:00	15	13	2	0	0
Total					
12H(7-19)	3530	3050	440	13	27
16H(6-22)	4065	3527	497	13	28
18H(6-24)	4105	3565	499	13	28
24H(0-24)	4256	3687	524	17	28
AM Peak	08:00 465	08:00 407	07:00 58	04:00 2	08:00 5
PM Peak	15:00 321	15:00 281	14:00 36	12:00 2	15:00 3

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	6	2	0	0
01:00	4	1	3	0	0
02:00	4	3	1	0	0
03:00	0	0	0	0	0
04:00	7	5	2	0	0
05:00	23	20	3	0	0
06:00	73	68	5	0	0
07:00	217	203	12	1	1
08:00	324	286	36	0	2
09:00	244	207	33	0	4
10:00	216	186	29	1	0
11:00	233	198	33	1	1
12:00	245	199	44	2	0
13:00	244	206	36	1	1
14:00	357	311	40	1	5
15:00	382	322	53	2	5
16:00	481	405	73	0	3
17:00	489	435	53	0	1
18:00	306	275	31	0	0
19:00	213	192	20	1	0
20:00	150	140	10	0	0
21:00	116	104	12	0	0
22:00	50	46	4	0	0
23:00	24	24	0	0	0
Total					
12H(7-19)	3738	3233	473	9	23
16H(6-22)	4290	3737	520	10	23
18H(6-24)	4364	3807	524	10	23
24H(0-24)	4410	3842	535	10	23
AM Peak	08:00 324	08:00 286	08:00 36	07:00 1	09:00 4
PM Peak	17:00 489	17:00 435	16:00 73	12:00 2	14:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	10	2	0	0
01:00	9	4	5	0	0
02:00	8	6	2	0	0
03:00	12	9	2	1	0
04:00	35	27	6	2	0
05:00	121	101	19	1	0
06:00	279	241	37	0	1
07:00	613	540	70	1	2
08:00	789	693	87	2	7
09:00	532	461	64	1	6
10:00	479	405	67	2	5
11:00	480	399	75	3	3
12:00	485	407	73	4	1
13:00	462	389	68	2	3
14:00	604	521	76	1	6
15:00	703	603	89	3	8
16:00	788	672	109	1	6
17:00	792	706	82	1	3
18:00	541	487	53	1	0
19:00	371	335	35	1	0
20:00	245	228	17	0	0
21:00	192	177	15	0	0
22:00	75	71	4	0	0
23:00	39	37	2	0	0
Total					
12H(7-19)	7268	6283	913	22	50
16H(6-22)	8355	7264	1017	23	51
18H(6-24)	8469	7372	1023	23	51
24H(0-24)	8666	7529	1059	27	51
AM Peak	08:00 789	08:00 693	08:00 87	11:00 3	08:00 7
PM Peak	17:00 792	17:00 706	16:00 109	12:00 4	15:00 8

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

09/06/2023

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	6	6	0	0	0
01:00	2	2	0	0	0
02:00	10	10	0	0	0
03:00	6	4	1	1	0
04:00	37	31	5	1	0
05:00	105	86	19	0	0
06:00	168	140	26	1	1
07:00	403	350	50	1	2
08:00	442	376	57	1	8
09:00	285	241	42	1	1
10:00	284	241	40	1	2
11:00	309	256	47	0	6
12:00	300	257	39	2	2
13:00	310	263	42	1	4
14:00	256	216	35	2	3
15:00	395	345	43	1	6
16:00	289	253	32	3	1
17:00	325	294	28	1	2
18:00	234	211	22	1	0
19:00	177	165	12	0	0
20:00	136	125	10	0	1
21:00	81	71	10	0	0
22:00	45	44	1	0	0
23:00	29	22	7	0	0
Total					
12H(7-19)	3832	3303	477	15	37
16H(6-22)	4394	3804	535	16	39
18H(6-24)	4468	3870	543	16	39
24H(0-24)	4634	4009	568	18	39
AM Peak	08:00 442	08:00 376	08:00 57	03:00 1	08:00 8
PM Peak	15:00 395	15:00 345	15:00 43	16:00 3	15:00 6

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	17	0	0	0
01:00	9	9	0	0	0
02:00	5	4	1	0	0
03:00	6	5	1	0	0
04:00	6	5	1	0	0
05:00	20	13	6	1	0
06:00	67	61	5	0	1
07:00	224	189	34	0	1
08:00	281	237	40	1	3
09:00	222	190	31	0	1
10:00	241	199	39	1	2
11:00	308	260	44	3	1
12:00	344	309	33	2	0
13:00	334	283	48	1	2
14:00	392	333	55	1	3
15:00	400	342	54	2	2
16:00	492	420	68	2	2
17:00	440	384	55	1	0
18:00	345	309	36	0	0
19:00	242	221	20	0	1
20:00	189	173	15	0	1
21:00	108	103	5	0	0
22:00	79	75	4	0	0
23:00	44	36	8	0	0
Total					
12H(7-19)	4023	3455	537	14	17
16H(6-22)	4629	4013	582	14	20
18H(6-24)	4752	4124	594	14	20
24H(0-24)	4815	4177	603	15	20
AM Peak	11:00 308	11:00 260	11:00 44	11:00 3	08:00 3
PM Peak	16:00 492	16:00 420	16:00 68	12:00 2	14:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	23	23	0	0	0
01:00	11	11	0	0	0
02:00	15	14	1	0	0
03:00	12	9	2	1	0
04:00	43	36	6	1	0
05:00	125	99	25	1	0
06:00	235	201	31	1	2
07:00	627	539	84	1	3
08:00	723	613	97	2	11
09:00	507	431	73	1	2
10:00	525	440	79	2	4
11:00	617	516	91	3	7
12:00	644	566	72	4	2
13:00	644	546	90	2	6
14:00	648	549	90	3	6
15:00	795	687	97	3	8
16:00	781	673	100	5	3
17:00	765	678	83	2	2
18:00	579	520	58	1	0
19:00	419	386	32	0	1
20:00	325	298	25	0	2
21:00	189	174	15	0	0
22:00	124	119	5	0	0
23:00	73	58	15	0	0
Total					
12H(7-19)	7855	6758	1014	29	54
16H(6-22)	9023	7817	1117	30	59
18H(6-24)	9220	7994	1137	30	59
24H(0-24)	9449	8186	1171	33	59
AM Peak	08:00 723	08:00 613	08:00 97	11:00 3	08:00 11
PM Peak	15:00 795	15:00 687	16:00 100	16:00 5	15:00 8

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	12	2	0	0
01:00	8	7	1	0	0
02:00	2	2	0	0	0
03:00	9	8	1	0	0
04:00	13	11	2	0	0
05:00	34	32	2	0	0
06:00	53	41	11	0	1
07:00	152	124	27	0	1
08:00	247	219	27	1	0
09:00	379	349	25	2	3
10:00	366	335	27	1	3
11:00	371	335	33	3	0
12:00	299	278	20	0	1
13:00	280	255	23	1	1
14:00	221	208	12	0	1
15:00	234	208	25	1	0
16:00	225	203	19	0	3
17:00	209	193	15	1	0
18:00	164	148	15	0	1
19:00	158	144	14	0	0
20:00	108	97	11	0	0
21:00	92	85	7	0	0
22:00	90	88	2	0	0
23:00	30	29	1	0	0
Total					
12H(7-19)	3147	2855	268	10	14
16H(6-22)	3558	3222	311	10	15
18H(6-24)	3678	3339	314	10	15
24H(0-24)	3758	3411	322	10	15
AM Peak	09:00 379	09:00 349	11:00 33	11:00 3	09:00 3
PM Peak	12:00 299	12:00 278	15:00 25	13:00 1	16:00 3

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	28	25	3	0	0
01:00	13	11	2	0	0
02:00	9	9	0	0	0
03:00	3	3	0	0	0
04:00	9	7	2	0	0
05:00	13	11	2	0	0
06:00	35	29	6	0	0
07:00	72	63	9	0	0
08:00	170	155	13	1	1
09:00	370	324	39	7	0
10:00	336	308	25	2	1
11:00	375	326	47	1	1
12:00	391	349	42	0	0
13:00	306	271	32	0	3
14:00	330	294	36	0	0
15:00	273	240	32	0	1
16:00	294	257	34	1	2
17:00	278	250	28	0	0
18:00	184	169	15	0	0
19:00	214	196	16	2	0
20:00	115	102	13	0	0
21:00	94	85	9	0	0
22:00	76	66	10	0	0
23:00	46	44	2	0	0
Total					
12H(7-19)	3379	3006	352	12	9
16H(6-22)	3837	3418	396	14	9
18H(6-24)	3959	3528	408	14	9
24H(0-24)	4034	3594	417	14	9
AM Peak	11:00 375	11:00 326	11:00 47	09:00 7	08:00 1
PM Peak	12:00 391	12:00 349	12:00 42	19:00 2	13:00 3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	42	37	5	0	0
01:00	21	18	3	0	0
02:00	11	11	0	0	0
03:00	12	11	1	0	0
04:00	22	18	4	0	0
05:00	47	43	4	0	0
06:00	88	70	17	0	1
07:00	224	187	36	0	1
08:00	417	374	40	2	1
09:00	749	673	64	9	3
10:00	702	643	52	3	4
11:00	746	661	80	4	1
12:00	690	627	62	0	1
13:00	586	526	55	1	4
14:00	551	502	48	0	1
15:00	507	448	57	1	1
16:00	519	460	53	1	5
17:00	487	443	43	1	0
18:00	348	317	30	0	1
19:00	372	340	30	2	0
20:00	223	199	24	0	0
21:00	186	170	16	0	0
22:00	166	154	12	0	0
23:00	76	73	3	0	0
Total					
12H(7-19)	6526	5861	620	22	23
16H(6-22)	7395	6640	707	24	24
18H(6-24)	7637	6867	722	24	24
24H(0-24)	7792	7005	739	24	24
AM Peak	09:00 749	09:00 673	11:00 80	09:00 9	10:00 4
PM Peak	12:00 690	12:00 627	12:00 62	19:00 2	16:00 5

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	25	22	3	0	0
01:00	12	10	2	0	0
02:00	13	11	2	0	0
03:00	3	3	0	0	0
04:00	6	5	1	0	0
05:00	19	16	3	0	0
06:00	40	33	6	1	0
07:00	64	61	3	0	0
08:00	116	106	10	0	0
09:00	233	212	21	0	0
10:00	300	270	28	2	0
11:00	299	277	22	0	0
12:00	266	247	19	0	0
13:00	256	237	18	0	1
14:00	210	189	18	1	2
15:00	181	165	15	1	0
16:00	202	184	17	0	1
17:00	195	176	19	0	0
18:00	171	159	12	0	0
19:00	130	115	14	1	0
20:00	85	78	7	0	0
21:00	61	57	4	0	0
22:00	34	32	2	0	0
23:00	16	14	2	0	0
Total					
12H(7-19)	2493	2283	202	4	4
16H(6-22)	2809	2566	233	6	4
18H(6-24)	2859	2612	237	6	4
24H(0-24)	2937	2679	248	6	4
AM Peak	10:00 300	11:00 277	10:00 28	10:00 2	00:00 0
PM Peak	12:00 266	12:00 247	12:00 19	14:00 1	14:00 2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	27	25	2	0	0
01:00	15	11	4	0	0
02:00	13	10	3	0	0
03:00	4	3	1	0	0
04:00	3	3	0	0	0
05:00	13	11	2	0	0
06:00	28	25	3	0	0
07:00	47	44	3	0	0
08:00	89	77	11	1	0
09:00	159	142	16	0	1
10:00	227	200	26	1	0
11:00	264	236	25	2	1
12:00	292	254	37	0	1
13:00	296	270	25	0	1
14:00	249	218	30	1	0
15:00	251	227	24	0	0
16:00	270	234	35	1	0
17:00	189	168	21	0	0
18:00	183	155	27	1	0
19:00	141	119	21	0	1
20:00	125	109	15	1	0
21:00	70	60	10	0	0
22:00	53	49	4	0	0
23:00	19	17	2	0	0
Total					
12H(7-19)	2516	2225	280	7	4
16H(6-22)	2880	2538	329	8	5
18H(6-24)	2952	2604	335	8	5
24H(0-24)	3027	2667	347	8	5
AM Peak	11:00 264	11:00 236	10:00 26	11:00 2	09:00 1
PM Peak	13:00 296	13:00 270	12:00 37	14:00 1	12:00 1

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	52	47	5	0	0
01:00	27	21	6	0	0
02:00	26	21	5	0	0
03:00	7	6	1	0	0
04:00	9	8	1	0	0
05:00	32	27	5	0	0
06:00	68	58	9	1	0
07:00	111	105	6	0	0
08:00	205	183	21	1	0
09:00	392	354	37	0	1
10:00	527	470	54	3	0
11:00	563	513	47	2	1
12:00	558	501	56	0	1
13:00	552	507	43	0	2
14:00	459	407	48	2	2
15:00	432	392	39	1	0
16:00	472	418	52	1	1
17:00	384	344	40	0	0
18:00	354	314	39	1	0
19:00	271	234	35	1	1
20:00	210	187	22	1	0
21:00	131	117	14	0	0
22:00	87	81	6	0	0
23:00	35	31	4	0	0
Total					
12H(7-19)	5009	4508	482	11	8
16H(6-22)	5689	5104	562	14	9
18H(6-24)	5811	5216	572	14	9
24H(0-24)	5964	5346	595	14	9
AM Peak	11:00 563	11:00 513	10:00 54	10:00 3	09:00 1
PM Peak	12:00 558	13:00 507	12:00 56	14:00 2	13:00 2

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	5	5	0	0	0
01:00	7	6	1	0	0
02:00	6	5	1	0	0
03:00	14	11	1	2	0
04:00	28	25	3	0	0
05:00	100	77	23	0	0
06:00	186	157	25	3	1
07:00	422	368	49	1	4
08:00	492	432	50	4	6
09:00	282	235	42	4	1
10:00	262	212	48	0	2
11:00	281	235	43	0	3
12:00	270	224	42	1	3
13:00	243	210	31	1	1
14:00	268	212	48	4	4
15:00	273	229	39	0	5
16:00	273	237	34	1	1
17:00	299	268	27	3	1
18:00	232	217	15	0	0
19:00	159	145	12	2	0
20:00	123	110	11	2	0
21:00	65	56	9	0	0
22:00	26	23	3	0	0
23:00	20	20	0	0	0
Total					
12H(7-19)	3597	3079	468	19	31
16H(6-22)	4130	3547	525	26	32
18H(6-24)	4176	3590	528	26	32
24H(0-24)	4336	3719	557	28	32
AM Peak	08:00 492	08:00 432	08:00 50	08:00 4	08:00 6
PM Peak	17:00 299	17:00 268	14:00 48	14:00 4	15:00 5

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	12	2	0	0
01:00	4	4	0	0	0
02:00	5	5	0	0	0
03:00	6	4	2	0	0
04:00	7	6	1	0	0
05:00	22	21	1	0	0
06:00	72	59	11	1	1
07:00	228	185	39	0	4
08:00	287	236	45	1	5
09:00	255	203	48	0	4
10:00	260	218	39	1	2
11:00	263	217	44	1	1
12:00	269	223	42	1	3
13:00	272	231	36	1	4
14:00	328	276	46	0	6
15:00	308	262	41	2	3
16:00	474	386	86	2	0
17:00	499	435	59	4	1
18:00	268	236	31	0	1
19:00	187	161	25	0	1
20:00	154	134	18	2	0
21:00	95	83	12	0	0
22:00	65	64	1	0	0
23:00	14	13	1	0	0
Total					
12H(7-19)	3711	3108	556	13	34
16H(6-22)	4219	3545	622	16	36
18H(6-24)	4298	3622	624	16	36
24H(0-24)	4356	3674	630	16	36
AM Peak	08:00 287	08:00 236	09:00 48	06:00 1	08:00 5
PM Peak	17:00 499	17:00 435	16:00 86	17:00 4	14:00 6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	19	17	2	0	0
01:00	11	10	1	0	0
02:00	11	10	1	0	0
03:00	20	15	3	2	0
04:00	35	31	4	0	0
05:00	122	98	24	0	0
06:00	258	216	36	4	2
07:00	650	553	88	1	8
08:00	779	668	95	5	11
09:00	537	438	90	4	5
10:00	522	430	87	1	4
11:00	544	452	87	1	4
12:00	539	447	84	2	6
13:00	515	441	67	2	5
14:00	596	488	94	4	10
15:00	581	491	80	2	8
16:00	747	623	120	3	1
17:00	798	703	86	7	2
18:00	500	453	46	0	1
19:00	346	306	37	2	1
20:00	277	244	29	4	0
21:00	160	139	21	0	0
22:00	91	87	4	0	0
23:00	34	33	1	0	0
Total					
12H(7-19)	7308	6187	1024	32	65
16H(6-22)	8349	7092	1147	42	68
18H(6-24)	8474	7212	1152	42	68
24H(0-24)	8692	7393	1187	44	68
AM Peak	08:00 779	08:00 668	08:00 95	08:00 5	08:00 11
PM Peak	17:00 798	17:00 703	16:00 120	17:00 7	14:00 10

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

06/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	5	50.0	41.5	8.2	0	0	0	0	1	2	0	1	1	0	0	0
01:00	1	-	32.5	-	0	0	0	0	1	0	0	0	0	0	0	0
02:00	7	41.4	36.8	4.5	0	0	0	0	3	2	2	0	0	0	0	0
03:00	8	50.3	42.5	7.6	0	0	0	0	1	3	1	1	2	0	0	0
04:00	23	47.3	37.4	9.5	0	1	0	4	4	6	4	0	4	0	0	0
05:00	109	42.7	35.8	6.7	0	1	0	19	34	28	18	5	4	0	0	0
06:00	179	42.0	35.8	6.0	0	1	1	23	60	57	26	7	3	1	0	0
07:00	417	37.8	32.5	5.1	0	5	5	109	195	78	19	2	3	1	0	0
08:00	480	36.4	31.5	4.8	0	6	26	134	221	76	17	0	0	0	0	0
09:00	249	37.4	31.8	5.4	0	6	2	87	97	38	17	2	0	0	0	0
10:00	225	37.2	32.2	4.9	1	1	1	71	98	44	6	2	1	0	0	0
11:00	261	36.0	30.9	4.9	0	6	9	92	117	31	3	2	1	0	0	0
12:00	286	36.7	31.5	5.0	0	2	13	103	101	56	8	3	0	0	0	0
13:00	257	36.8	32.2	4.4	0	1	0	81	120	43	10	1	1	0	0	0
14:00	254	36.8	31.5	5.1	1	1	6	99	99	30	17	0	1	0	0	0
15:00	319	36.6	31.9	4.5	0	2	7	102	132	67	8	1	0	0	0	0
16:00	279	37.4	32.3	4.9	0	2	6	81	119	53	16	2	0	0	0	0
17:00	272	37.7	32.7	4.8	0	1	0	83	111	57	17	3	0	0	0	0
18:00	209	38.8	33.5	5.1	0	0	0	55	84	51	13	4	2	0	0	0
19:00	170	42.1	35.1	6.8	0	2	2	29	64	37	23	10	2	0	1	0
20:00	90	42.3	35.4	6.7	0	0	1	17	30	24	13	2	2	0	1	0
21:00	63	41.5	34.6	6.7	0	0	0	13	28	13	5	2	1	0	1	0
22:00	31	40.6	33.3	7.1	0	0	3	7	9	9	2	0	0	1	0	0
23:00	14	42.8	36.8	5.8	0	0	0	0	7	4	2	0	1	0	0	0
Total																
2H(10-12)	486	36.6	31.5	4.9	1	7	10	163	215	75	9	4	2	0	0	0
2H(14-16)	573	36.7	31.7	4.8	1	3	13	201	231	97	25	1	1	0	0	0
12H(7-19)	3508	37.1	32.0	4.9	2	33	75	1097	1494	624	151	22	9	1	0	0
24H(0-24)	4208	38.2	32.6	5.4	2	38	82	1209	1736	809	247	50	29	3	3	0
AM Peak	08:00	03:00	03:00	04:00	10:00	08:00	08:00	08:00	08:00	07:00	06:00	06:00	04:00	06:00	00:00	00:00
	480	50.3	42.5	9.5	1	6	26	134	221	78	26	7	4	1	0	0
PM Peak	15:00	23:00	23:00	22:00	14:00	12:00	12:00	12:00	15:00	15:00	19:00	19:00	18:00	22:00	19:00	12:00
	319	42.8	36.8	7.1	1	2	13	103	132	67	23	10	2	1	1	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	8	43.3	35.0	8.0	0	0	1	1	2	2	1	1	0	0	0	0
01:00	1	-	27.5	-	0	0	0	1	0	0	0	0	0	0	0	0
02:00	3	41.8	35.8	5.8	0	0	0	0	2	0	1	0	0	0	0	0
03:00	8	36.4	32.5	3.8	0	0	0	2	4	2	0	0	0	0	0	0
04:00	6	45.6	36.7	8.6	0	0	1	0	1	2	1	1	0	0	0	0
05:00	13	47.2	38.7	8.2	0	0	0	1	4	4	1	2	0	1	0	0
06:00	62	38.7	32.6	5.9	0	0	2	20	24	11	3	1	0	1	0	0
07:00	201	36.0	31.2	4.6	0	1	7	76	87	21	7	2	0	0	0	0
08:00	310	34.6	29.0	5.4	2	18	18	132	117	20	3	0	0	0	0	0
09:00	268	34.7	30.4	4.2	0	1	8	133	95	24	6	1	0	0	0	0
10:00	241	35.2	30.5	4.5	2	1	1	116	89	28	3	1	0	0	0	0
11:00	210	35.5	31.0	4.3	0	0	2	95	88	19	3	1	2	0	0	0
12:00	241	35.6	31.0	4.4	0	0	6	108	86	33	7	1	0	0	0	0
13:00	255	34.3	30.4	3.8	0	0	4	130	96	19	6	0	0	0	0	0
14:00	374	34.9	30.7	4.1	0	1	5	177	150	30	9	1	1	0	0	0
15:00	359	34.0	29.7	4.2	0	3	20	192	109	30	4	1	0	0	0	0
16:00	497	34.2	29.9	4.2	0	1	28	254	171	34	6	1	2	0	0	0
17:00	497	34.4	30.3	3.9	1	0	9	252	184	42	8	1	0	0	0	0
18:00	336	35.6	31.2	4.2	0	1	4	139	137	48	5	1	1	0	0	0
19:00	209	37.3	31.7	5.4	0	1	7	77	82	29	8	3	1	1	0	0
20:00	161	37.1	30.9	6.0	0	0	5	86	47	12	6	2	1	1	1	0
21:00	92	37.8	32.6	5.0	0	0	0	34	30	22	4	2	0	0	0	0
22:00	50	38.9	32.6	6.1	0	0	1	18	19	6	5	0	0	1	0	0
23:00	15	42.9	33.3	9.2	0	0	0	5	8	1	0	0	0	0	1	0
Total																
2H(10-12)	451	35.3	30.8	4.4	2	1	3	211	177	47	6	2	2	0	0	0
2H(14-16)	733	34.5	30.2	4.2	0	4	25	369	259	60	13	2	1	0	0	0
12H(7-19)	3789	34.9	30.4	4.3	5	27	112	1804	1409	348	67	11	6	0	0	0
24H(0-24)	4417	35.4	30.6	4.6	5	28	129	2049	1632	439	97	23	8	5	2	0
AM Peak	08:00	05:00	05:00	04:00	08:00	08:00	08:00	09:00	08:00	10:00	07:00	05:00	11:00	05:00	00:00	00:00
	310	47.2	38.7	8.6	2	18	18	133	117	28	7	2	2	1	0	0
PM Peak	16:00	23:00	23:00	23:00	17:00	15:00	16:00	16:00	17:00	18:00	14:00	19:00	16:00	19:00	20:00	12:00
	497	42.9	33.3	9.2	1	3	28	254	184	48	9	3	2	1	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	13	46.2	37.5	8.4	0	0	1	1	3	4	1	2	1	0	0	0
01:00	2	33.7	30.0	3.5	0	0	0	1	1	0	0	0	0	0	0	0
02:00	10	41.3	36.5	4.6	0	0	0	0	5	2	3	0	0	0	0	0
03:00	16	45.5	37.5	7.7	0	0	0	2	5	5	1	1	2	0	0	0
04:00	29	46.8	37.2	9.2	0	1	1	4	5	8	5	1	4	0	0	0
05:00	122	43.2	36.1	6.9	0	1	0	20	38	32	19	7	4	1	0	0
06:00	241	41.3	35.0	6.1	0	1	3	43	84	68	29	8	3	2	0	0
07:00	618	37.3	32.1	5.0	0	6	12	185	282	99	26	4	3	1	0	0
08:00	790	35.9	30.5	5.1	2	24	44	266	338	96	20	0	0	0	0	0
09:00	517	36.1	31.1	4.8	0	7	10	220	192	62	23	3	0	0	0	0
10:00	466	36.2	31.3	4.7	3	2	2	187	187	72	9	3	1	0	0	0
11:00	471	35.8	30.9	4.7	0	6	11	187	205	50	6	3	3	0	0	0
12:00	527	36.2	31.3	4.7	0	2	19	211	187	89	15	4	0	0	0	0
13:00	512	35.7	31.3	4.2	0	1	4	211	216	62	16	1	1	0	0	0
14:00	628	35.7	31.0	4.5	1	2	11	276	249	60	26	1	2	0	0	0
15:00	678	35.4	30.7	4.5	0	5	27	294	241	97	12	2	0	0	0	0
16:00	776	35.5	30.8	4.6	0	3	34	335	290	87	22	3	2	0	0	0
17:00	769	35.7	31.2	4.4	1	1	9	335	295	99	25	4	0	0	0	0
18:00	545	37.0	32.1	4.7	0	1	4	194	221	99	18	5	3	0	0	0
19:00	379	39.7	33.2	6.3	0	3	9	106	146	66	31	13	3	1	1	0
20:00	251	39.3	32.5	6.6	0	0	6	103	77	36	19	4	3	1	2	0
21:00	155	39.4	33.4	5.8	0	0	0	47	58	35	9	4	1	0	1	0
22:00	81	39.6	32.9	6.5	0	0	4	25	28	15	7	0	0	2	0	0
23:00	29	43.1	35.0	7.8	0	0	0	5	15	5	2	0	1	0	1	0
Total																
2H(10-12)	937	36.0	31.1	4.7	3	8	13	374	392	122	15	6	4	0	0	0
2H(14-16)	1306	35.5	30.9	4.5	1	7	38	570	490	157	38	3	2	0	0	0
12H(7-19)	7297	36.0	31.2	4.7	7	60	187	2901	2903	972	218	33	15	1	0	0
24H(0-24)	8625	36.9	31.6	5.1	7	66	211	3258	3368	1248	344	73	37	8	5	0
AM Peak	08:00 790	04:00 46.8	00:00 37.5	04:00 9.2	10:00 3	08:00 24	08:00 44	08:00 266	08:00 338	07:00 99	06:00 29	06:00 8	04:00 4	06:00 2	00:00 0	00:00 0
PM Peak	16:00 776	23:00 43.1	23:00 35.0	23:00 7.8	14:00 1	15:00 5	16:00 34	16:00 335	17:00 295	17:00 99	19:00 31	19:00 13	18:00 3	22:00 2	20:00 2	12:00 0

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

07/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	8	45.7	38.1	7.3	0	0	0	1	2	2	1	2	0	0	0	0
01:00	4	40.1	31.3	8.5	0	0	1	1	1	0	1	0	0	0	0	0
02:00	5	44.8	37.5	7.1	0	0	0	0	3	0	1	1	0	0	0	0
03:00	12	41.0	35.4	5.4	0	0	0	2	4	3	3	0	0	0	0	0
04:00	27	43.2	36.1	6.9	0	1	0	2	10	4	9	1	0	0	0	0
05:00	97	43.4	36.2	6.9	0	0	1	18	29	22	17	5	5	0	0	0
06:00	186	40.6	34.5	5.9	0	1	0	36	77	45	18	5	3	1	0	0
07:00	473	37.0	32.0	4.8	0	1	14	156	197	78	22	4	1	0	0	0
08:00	469	35.5	31.4	4.0	0	0	3	186	211	55	12	1	1	0	0	0
09:00	288	37.5	32.5	4.8	0	1	2	89	121	56	15	4	0	0	0	0
10:00	259	36.7	32.1	4.5	0	0	3	85	117	40	11	3	0	0	0	0
11:00	211	36.8	32.0	4.6	0	2	1	70	93	34	10	1	0	0	0	0
12:00	263	37.2	32.4	4.7	0	2	2	71	132	43	9	2	2	0	0	0
13:00	242	37.2	32.0	5.0	0	1	4	89	92	40	12	4	0	0	0	0
14:00	240	36.3	31.4	4.7	0	5	2	85	101	41	5	1	0	0	0	0
15:00	342	36.5	31.7	4.6	0	4	8	103	164	52	8	2	1	0	0	0
16:00	300	38.2	33.1	5.0	0	0	3	73	145	50	26	2	0	0	1	0
17:00	295	39.3	33.6	5.5	2	1	6	60	111	88	20	7	0	0	0	0
18:00	233	39.5	34.0	5.3	0	2	4	39	95	71	14	7	1	0	0	0
19:00	149	40.2	33.8	6.2	1	1	3	30	58	39	11	4	1	1	0	0
20:00	96	40.8	33.8	6.7	0	1	2	23	37	19	10	2	1	0	1	0
21:00	73	40.8	34.4	6.2	0	0	2	17	21	22	8	1	2	0	0	0
22:00	52	37.4	30.1	7.0	0	1	12	14	15	5	4	0	1	0	0	0
23:00	13	35.6	29.4	6.0	0	0	3	5	3	1	1	0	0	0	0	0
Total																
2H(10-12)	470	36.8	32.1	4.5	0	2	4	155	210	74	21	4	0	0	0	0
2H(14-16)	582	36.4	31.6	4.7	0	9	10	188	265	93	13	3	1	0	0	0
12H(7-19)	3615	37.3	32.3	4.8	2	19	52	1106	1579	648	164	38	6	0	1	0
24H(0-24)	4337	38.0	32.6	5.2	3	24	76	1255	1839	810	248	59	19	2	2	0
AM Peak	07:00	00:00	00:00	01:00	00:00	11:00	07:00	08:00	08:00	07:00	07:00	05:00	05:00	06:00	00:00	00:00
	473	45.7	38.1	8.5	0	2	14	186	211	78	22	5	5	1	0	0
PM Peak	15:00	21:00	21:00	22:00	17:00	14:00	22:00	15:00	15:00	17:00	16:00	17:00	12:00	19:00	16:00	12:00
	342	40.8	34.4	7.0	2	5	12	103	164	88	26	7	2	1	1	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	10	41.1	34.5	6.3	0	0	0	4	0	4	2	0	0	0	0	0
01:00	2	44.8	37.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
02:00	5	37.8	33.5	4.2	0	0	0	1	2	2	0	0	0	0	0	0
03:00	5	43.4	35.5	7.6	0	0	0	1	2	1	0	1	0	0	0	0
04:00	9	48.2	38.1	9.8	0	0	1	2	0	1	2	3	0	0	0	0
05:00	29	44.7	36.5	7.9	0	0	1	6	8	4	3	7	0	0	0	0
06:00	62	43.3	34.6	8.3	0	0	2	22	14	6	13	2	2	0	1	0
07:00	228	36.3	30.9	5.2	0	5	5	97	87	22	9	2	1	0	0	0
08:00	261	35.3	30.7	4.4	0	0	3	139	81	27	8	3	0	0	0	0
09:00	218	34.5	30.3	4.1	0	0	5	123	61	24	4	1	0	0	0	0
10:00	233	35.0	30.5	4.3	0	1	4	114	92	15	5	0	2	0	0	0
11:00	273	34.3	29.8	4.3	0	10	4	125	119	12	3	0	0	0	0	0
12:00	260	34.7	28.8	5.6	0	18	15	131	74	15	5	1	1	0	0	0
13:00	278	35.5	30.1	5.2	1	9	8	128	96	27	8	1	0	0	0	0
14:00	334	35.4	30.5	4.7	0	3	8	167	111	31	12	1	0	1	0	0
15:00	354	34.9	30.0	4.7	0	3	16	191	108	24	10	1	0	0	1	0
16:00	453	35.7	29.7	5.8	0	30	15	196	156	38	15	3	0	0	0	0
17:00	526	35.0	30.7	4.2	1	4	10	223	232	43	12	1	0	0	0	0
18:00	335	36.2	31.3	4.8	0	0	9	144	126	37	16	1	2	0	0	0
19:00	212	36.1	31.5	4.4	0	0	3	78	101	22	4	3	1	0	0	0
20:00	146	39.3	32.4	6.6	0	0	3	58	56	14	7	4	1	2	1	0
21:00	110	37.6	32.5	5.0	0	0	3	34	42	25	5	0	1	0	0	0
22:00	69	35.7	31.4	4.1	0	0	0	30	26	11	2	0	0	0	0	0
23:00	17	44.3	35.1	8.9	0	0	0	6	4	4	1	0	1	1	0	0
Total																
2H(10-12)	506	34.6	30.1	4.3	0	11	8	239	211	27	8	0	2	0	0	0
2H(14-16)	688	35.1	30.2	4.7	0	6	24	358	219	55	22	2	0	1	1	0
12H(7-19)	3753	35.3	30.3	4.9	2	83	102	1778	1343	315	107	15	6	1	1	0
24H(0-24)	4429	35.9	30.6	5.1	2	83	115	2020	1599	409	147	35	12	4	3	0
AM Peak	11:00	04:00	04:00	04:00	00:00	11:00	07:00	08:00	11:00	08:00	06:00	05:00	06:00	00:00	06:00	00:00
	273	48.2	38.1	9.8	0	10	5	139	119	27	13	7	2	0	1	0
PM Peak	17:00	23:00	23:00	23:00	13:00	16:00	15:00	17:00	17:00	17:00	18:00	20:00	18:00	20:00	15:00	12:00
	526	44.3	35.1	8.9	1	30	16	223	232	43	16	4	2	2	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	18	43.2	36.1	6.8	0	0	0	5	2	6	3	2	0	0	0	0
01:00	6	41.6	33.3	8.0	0	0	1	1	2	0	2	0	0	0	0	0
02:00	10	41.6	35.5	5.9	0	0	0	1	5	2	1	1	0	0	0	0
03:00	17	41.5	35.4	5.9	0	0	0	3	6	4	3	1	0	0	0	0
04:00	36	44.5	36.6	7.6	0	1	1	4	10	5	11	4	0	0	0	0
05:00	126	43.6	36.2	7.2	0	0	2	24	37	26	20	12	5	0	0	0
06:00	248	41.3	34.5	6.5	0	1	2	58	91	51	31	7	5	1	1	0
07:00	701	36.8	31.6	5.0	0	6	19	253	284	100	31	6	2	0	0	0
08:00	730	35.5	31.1	4.2	0	0	6	325	292	82	20	4	1	0	0	0
09:00	506	36.4	31.5	4.6	0	1	7	212	182	80	19	5	0	0	0	0
10:00	492	36.0	31.4	4.5	0	1	7	199	209	55	16	3	2	0	0	0
11:00	484	35.5	30.7	4.6	0	12	5	195	212	46	13	1	0	0	0	0
12:00	523	36.3	30.6	5.5	0	20	17	202	206	58	14	3	3	0	0	0
13:00	520	36.3	31.0	5.2	1	10	12	217	188	67	20	5	0	0	0	0
14:00	574	35.8	30.9	4.7	0	8	10	252	212	72	17	2	0	1	0	0
15:00	696	35.7	30.8	4.8	0	7	24	294	272	76	18	3	1	0	1	0
16:00	753	37.0	31.0	5.7	0	30	18	269	301	88	41	5	0	0	1	0
17:00	821	36.8	31.7	4.9	3	5	16	283	343	131	32	8	0	0	0	0
18:00	568	37.8	32.4	5.2	0	2	13	183	221	108	30	8	3	0	0	0
19:00	361	38.0	32.5	5.3	1	1	6	108	159	61	15	7	2	1	0	0
20:00	242	39.9	32.9	6.7	0	1	5	81	93	33	17	6	2	2	2	0
21:00	183	39.0	33.2	5.5	0	0	5	51	63	47	13	1	3	0	0	0
22:00	121	36.6	30.9	5.5	0	1	12	44	41	16	6	0	1	0	0	0
23:00	30	41.1	32.7	8.1	0	0	3	11	7	5	2	0	1	1	0	0
Total																
2H(10-12)	976	35.7	31.0	4.5	0	13	12	394	421	101	29	4	2	0	0	0
2H(14-16)	1270	35.8	30.9	4.7	0	15	34	546	484	148	35	5	1	1	1	0
12H(7-19)	7368	36.4	31.3	4.9	4	102	154	2884	2922	963	271	53	12	1	2	0
24H(0-24)	8766	37.0	31.6	5.3	5	107	191	3275	3438	1219	395	94	31	6	5	0
AM Peak	08:00 730	04:00 44.5	04:00 36.6	01:00 8.0	00:00 0	11:00 12	07:00 19	08:00 325	08:00 292	07:00 100	06:00 31	05:00 12	05:00 5	06:00 1	06:00 1	00:00 0
PM Peak	17:00 821	23:00 41.1	21:00 33.2	23:00 8.1	17:00 3	16:00 30	15:00 24	15:00 294	17:00 343	17:00 131	16:00 41	17:00 8	12:00 3	20:00 2	20:00 2	12:00 0

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

08/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	4	56.9	46.3	10.3	0	0	0	0	0	2	0	0	1	1	0	0
01:00	5	42.8	33.5	8.9	0	0	0	3	0	1	0	1	0	0	0	0
02:00	4	41.2	36.3	4.8	0	0	0	0	2	1	1	0	0	0	0	0
03:00	12	43.7	37.5	6.0	0	0	0	1	4	2	4	1	0	0	0	0
04:00	28	43.5	35.4	7.7	0	1	1	4	7	7	5	3	0	0	0	0
05:00	98	44.7	36.1	8.2	0	2	0	19	28	22	16	5	3	2	1	0
06:00	206	42.1	35.9	6.0	0	1	0	26	74	63	24	14	4	0	0	0
07:00	396	38.1	32.7	5.3	1	2	9	107	166	83	20	7	0	1	0	0
08:00	465	37.1	32.5	4.5	0	1	8	122	213	103	14	3	1	0	0	0
09:00	288	37.0	32.4	4.4	0	1	3	82	130	59	11	2	0	0	0	0
10:00	263	36.3	31.1	5.0	1	2	7	106	104	29	13	0	1	0	0	0
11:00	247	37.0	31.7	5.1	1	3	3	82	109	36	10	3	0	0	0	0
12:00	240	37.1	32.3	4.6	0	3	1	71	103	53	8	1	0	0	0	0
13:00	218	37.6	32.7	4.8	1	1	1	55	100	49	9	2	0	0	0	0
14:00	247	37.8	33.2	4.4	0	1	0	58	110	61	17	0	0	0	0	0
15:00	321	37.3	32.7	4.4	0	0	3	85	156	56	18	3	0	0	0	0
16:00	307	38.8	33.7	4.9	0	3	4	51	135	88	23	3	0	0	0	0
17:00	303	38.9	33.3	5.4	0	5	6	62	119	82	26	3	0	0	0	0
18:00	235	38.8	33.4	5.3	0	2	3	59	84	66	17	4	0	0	0	0
19:00	158	39.3	33.1	6.0	0	4	1	38	68	27	15	4	1	0	0	0
20:00	95	41.1	34.8	6.1	0	0	0	21	37	17	13	6	1	0	0	0
21:00	76	40.3	34.5	5.5	0	0	0	15	30	22	4	4	1	0	0	0
22:00	25	41.1	34.3	6.6	0	0	1	6	9	2	6	1	0	0	0	0
23:00	15	42.1	33.5	8.3	0	0	1	5	3	5	0	0	0	1	0	0
Total																
2H(10-12)	510	36.6	31.4	5.0	2	5	10	188	213	65	23	3	1	0	0	0
2H(14-16)	568	37.5	32.9	4.4	0	1	3	143	266	117	35	3	0	0	0	0
12H(7-19)	3530	37.7	32.6	4.9	4	24	48	940	1529	765	186	31	2	1	0	0
24H(0-24)	4256	38.5	33.0	5.3	4	32	52	1078	1791	936	274	70	13	5	1	0
AM Peak	08:00	00:00	00:00	00:00	07:00	11:00	07:00	08:00	08:00	08:00	06:00	06:00	06:00	05:00	05:00	00:00
	465	56.9	46.3	10.3	1	3	9	122	213	103	24	14	4	2	1	0
PM Peak	15:00	23:00	20:00	23:00	13:00	17:00	17:00	15:00	15:00	16:00	17:00	20:00	19:00	23:00	12:00	12:00
	321	42.1	34.8	8.3	1	5	6	85	156	88	26	6	1	1	0	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	8	37.3	31.3	5.8	0	0	0	5	1	1	1	0	0	0	0	0
01:00	4	36.3	33.8	2.5	0	0	0	0	3	1	0	0	0	0	0	0
02:00	4	40.3	33.8	6.3	0	0	0	1	2	0	1	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	7	51.2	39.6	11.1	0	0	0	1	2	2	0	0	1	1	0	0
05:00	23	46.6	37.5	8.8	0	0	1	3	6	6	3	1	2	1	0	0
06:00	73	38.2	32.9	5.1	0	0	1	21	29	18	2	1	1	0	0	0
07:00	217	36.7	31.4	5.1	0	2	4	89	88	18	11	5	0	0	0	0
08:00	324	35.2	31.1	4.0	0	0	4	132	153	26	6	2	1	0	0	0
09:00	244	34.6	30.3	4.1	0	0	5	132	82	17	7	0	1	0	0	0
10:00	216	35.0	30.5	4.4	0	1	9	98	86	15	5	2	0	0	0	0
11:00	233	33.7	29.9	3.6	0	1	7	120	89	14	2	0	0	0	0	0
12:00	245	35.5	30.6	4.7	0	1	8	122	80	20	12	2	0	0	0	0
13:00	244	36.3	31.4	4.7	0	2	5	94	101	29	11	2	0	0	0	0
14:00	357	34.6	30.7	3.8	0	1	6	160	150	34	6	0	0	0	0	0
15:00	382	35.3	30.9	4.3	0	0	5	183	147	32	10	5	0	0	0	0
16:00	481	35.2	30.8	4.2	0	3	10	212	195	49	9	3	0	0	0	0
17:00	489	36.3	31.1	5.0	1	10	7	195	186	70	17	3	0	0	0	0
18:00	306	36.0	31.6	4.3	0	1	4	114	133	40	14	0	0	0	0	0
19:00	213	36.2	31.1	5.0	0	1	6	99	69	26	10	1	1	0	0	0
20:00	150	36.4	31.3	4.9	0	1	3	61	61	16	6	1	1	0	0	0
21:00	116	38.0	31.6	6.2	0	2	4	48	37	14	7	2	2	0	0	0
22:00	50	37.5	32.4	4.9	0	0	1	15	22	10	0	2	0	0	0	0
23:00	24	35.2	31.0	4.0	0	0	1	9	10	4	0	0	0	0	0	0
Total																
2H(10-12)	449	34.3	30.2	4.0	0	2	16	218	175	29	7	2	0	0	0	0
2H(14-16)	739	35.0	30.8	4.1	0	1	11	343	297	66	16	5	0	0	0	0
12H(7-19)	3738	35.4	30.9	4.4	1	22	74	1651	1490	364	110	24	2	0	0	0
24H(0-24)	4410	35.8	31.0	4.6	1	26	91	1914	1732	462	140	32	10	2	0	0
AM Peak	08:00	04:00	04:00	04:00	00:00	07:00	10:00	08:00	08:00	08:00	07:00	07:00	05:00	04:00	00:00	00:00
	324	51.2	39.6	11.1	0	2	9	132	153	26	11	5	2	1	0	0
PM Peak	17:00	21:00	22:00	21:00	17:00	17:00	16:00	16:00	16:00	17:00	17:00	15:00	21:00	12:00	12:00	12:00
	489	38.0	32.4	6.2	1	10	10	212	195	70	17	5	2	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	12	46.9	36.3	10.3	0	0	0	5	1	3	1	0	1	1	0	0
01:00	9	40.4	33.6	6.5	0	0	0	3	3	2	0	1	0	0	0	0
02:00	8	40.5	35.0	5.3	0	0	0	1	4	1	2	0	0	0	0	0
03:00	12	43.7	37.5	6.0	0	0	0	1	4	2	4	1	0	0	0	0
04:00	35	45.1	36.3	8.5	0	1	1	5	9	9	5	3	1	1	0	0
05:00	121	45.0	36.4	8.3	0	2	1	22	34	28	19	6	5	3	1	0
06:00	279	41.2	35.1	5.9	0	1	1	47	103	81	26	15	5	0	0	0
07:00	613	37.6	32.2	5.3	1	4	13	196	254	101	31	12	0	1	0	0
08:00	789	36.4	31.9	4.3	0	1	12	254	366	129	20	5	2	0	0	0
09:00	532	36.0	31.5	4.4	0	1	8	214	212	76	18	2	1	0	0	0
10:00	479	35.7	30.8	4.7	1	3	16	204	190	44	18	2	1	0	0	0
11:00	480	35.5	30.9	4.5	1	4	10	202	198	50	12	3	0	0	0	0
12:00	485	36.4	31.4	4.7	0	4	9	193	183	73	20	3	0	0	0	0
13:00	462	37.0	32.0	4.8	1	3	6	149	201	78	20	4	0	0	0	0
14:00	604	36.1	31.7	4.3	0	2	6	218	260	95	23	0	0	0	0	0
15:00	703	36.3	31.7	4.4	0	0	8	268	303	88	28	8	0	0	0	0
16:00	788	36.8	31.9	4.7	0	6	14	263	330	137	32	6	0	0	0	0
17:00	792	37.5	32.0	5.3	1	15	13	257	305	152	43	6	0	0	0	0
18:00	541	37.3	32.3	4.8	0	3	7	173	217	106	31	4	0	0	0	0
19:00	371	37.7	31.9	5.5	0	5	7	137	137	53	25	5	2	0	0	0
20:00	245	38.5	32.7	5.6	0	1	3	82	98	33	19	7	2	0	0	0
21:00	192	39.1	32.8	6.1	0	2	4	63	67	36	11	6	3	0	0	0
22:00	75	38.8	33.0	5.5	0	0	2	21	31	12	6	3	0	0	0	0
23:00	39	38.3	32.0	6.0	0	0	2	14	13	9	0	0	0	1	0	

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

09/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	6	39.4	33.3	5.8	0	0	0	2	2	1	1	0	0	0	0	0
01:00	2	57.2	42.5	14.1	0	0	0	0	1	0	0	0	1	0	0	0
02:00	10	46.6	40.5	5.9	0	0	0	0	2	2	5	0	1	0	0	0
03:00	6	40.4	35.0	5.2	0	0	0	1	2	2	1	0	0	0	0	0
04:00	37	43.2	34.1	8.7	0	2	1	9	11	4	5	4	1	0	0	0
05:00	105	42.6	36.2	6.1	0	1	0	13	29	40	14	5	3	0	0	0
06:00	168	42.0	35.3	6.4	0	1	3	26	64	33	29	9	3	0	0	0
07:00	403	38.9	33.6	5.1	1	2	2	88	165	110	28	5	2	0	0	0
08:00	442	37.8	32.8	4.9	0	0	8	135	161	108	24	6	0	0	0	0
09:00	285	36.7	31.6	4.9	0	2	9	101	115	45	9	4	0	0	0	0
10:00	284	35.6	31.5	4.0	0	0	4	103	135	33	8	1	0	0	0	0
11:00	309	37.6	33.2	4.3	0	0	1	71	141	80	14	2	0	0	0	0
12:00	300	37.1	32.2	4.7	0	2	4	95	127	56	13	3	0	0	0	0
13:00	310	37.8	32.6	5.0	1	2	5	71	154	61	14	1	0	0	1	0
14:00	256	39.3	33.6	5.5	0	5	2	47	111	65	22	3	0	1	0	0
15:00	395	38.0	32.3	5.5	3	4	10	97	181	81	11	6	1	1	0	0
16:00	289	38.6	33.1	5.3	0	1	3	79	115	67	19	2	1	2	0	0
17:00	325	38.5	33.9	4.4	0	0	0	59	140	103	19	4	0	0	0	0
18:00	234	39.4	33.7	5.5	1	1	2	46	103	53	22	5	1	0	0	0
19:00	177	40.0	34.0	5.8	2	1	4	24	73	50	21	2	0	0	0	0
20:00	136	40.4	33.9	6.3	0	0	2	37	53	21	14	7	1	1	0	0
21:00	81	41.2	34.9	6.1	0	0	1	14	33	18	11	1	3	0	0	0
22:00	45	49.2	37.5	11.3	0	1	1	5	13	16	2	4	0	0	1	2
23:00	29	46.7	36.2	10.1	0	0	0	11	5	5	4	0	2	1	1	0
Total																
2H(10-12)	593	36.7	32.3	4.2	0	0	5	174	276	113	22	3	0	0	0	0
2H(14-16)	651	38.5	32.8	5.5	3	9	12	144	292	146	33	9	1	2	0	0
12H(7-19)	3832	38.0	32.8	5.0	6	19	50	992	1648	862	203	42	5	4	1	0
24H(0-24)	4634	38.8	33.2	5.4	8	25	62	1134	1936	1054	310	74	20	6	3	2
AM Peak	08:00	01:00	01:00	01:00	07:00	04:00	09:00	08:00	07:00	07:00	06:00	06:00	05:00	00:00	00:00	00:00
	442	57.2	42.5	14.1	1	2	9	135	165	110	29	9	3	0	0	0
PM Peak	15:00	22:00	22:00	22:00	15:00	14:00	15:00	15:00	15:00	17:00	14:00	20:00	21:00	16:00	13:00	22:00
	395	49.2	37.5	11.3	3	5	10	97	181	103	22	7	3	2	1	2

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	17	36.2	30.7	5.3	0	0	1	8	6	0	2	0	0	0	0	0
01:00	9	47.2	37.5	9.4	0	0	0	1	4	2	0	1	0	1	0	0
02:00	5	47.0	38.5	8.2	0	0	0	0	2	2	0	0	1	0	0	0
03:00	6	48.4	37.5	10.5	0	0	0	1	2	2	0	0	0	1	0	0
04:00	6	52.2	40.0	11.7	0	0	1	0	1	1	1	0	2	0	0	0
05:00	20	36.6	31.8	4.7	0	0	0	7	11	1	0	1	0	0	0	0
06:00	67	39.8	33.8	5.8	0	0	1	15	29	15	4	2	0	1	0	0
07:00	224	37.8	32.4	5.2	0	0	3	74	97	34	12	2	1	0	1	0
08:00	281	36.0	31.6	4.3	0	0	3	105	130	31	9	2	1	0	0	0
09:00	222	35.9	31.2	4.5	0	0	5	97	79	32	8	1	0	0	0	0
10:00	241	35.8	31.0	4.7	0	1	6	110	87	24	11	2	0	0	0	0
11:00	308	35.1	30.8	4.2	0	1	8	135	125	31	6	2	0	0	0	0
12:00	344	34.4	30.4	3.9	0	1	14	145	157	21	5	1	0	0	0	0
13:00	334	35.3	30.2	4.9	1	8	5	165	117	27	9	1	1	0	0	0
14:00	392	35.5	30.6	4.7	0	5	16	173	138	49	9	2	0	0	0	0
15:00	400	35.6	31.1	4.3	0	1	12	167	155	51	14	0	0	0	0	0
16:00	492	36.0	31.2	4.7	3	4	8	174	233	59	6	4	1	0	0	0
17:00	440	36.4	31.4	4.8	0	6	10	156	187	58	23	0	0	0	0	0
18:00	345	36.1	31.5	4.4	0	0	12	121	146	55	9	2	0	0	0	0
19:00	242	37.7	32.4	5.1	0	1	4	81	91	51	8	5	1	0	0	0
20:00	189	36.9	31.7	5.0	0	0	4	74	77	21	9	3	1	0	0	0
21:00	108	38.3	31.9	6.1	0	0	4	43	39	12	8	0	1	0	1	0
22:00	79	38.3	32.1	6.0	0	1	3	28	26	14	5	1	1	0	0	0
23:00	44	40.0	34.4	5.4	0	0	0	9	17	12	5	0	1	0	0	0
Total																
2H(10-12)	549	35.4	30.9	4.4	0	2	14	245	212	55	17	4	0	0	0	0
2H(14-16)	792	35.5	30.8	4.5	0	6	28	340	293	100	23	2	0	0	0	0
12H(7-19)	4023	35.8	31.1	4.6	4	27	102	1622	1651	472	121	19	4	0	1	0
24H(0-24)	4815	36.3	31.3	4.8	4	29	120	1889	1956	605	163	32	12	3	2	0
AM Peak	11:00	04:00	04:00	04:00	00:00	10:00	11:00	11:00	08:00	07:00	07:00	06:00	04:00	01:00	07:00	00:00
	308	52.2	40.0	11.7	0	1	8	135	130	34	12	2	2	1	1	0
PM Peak	16:00	23:00	23:00	21:00	16:00	13:00	14:00	16:00	16:00	16:00	17:00	19:00	13:00	12:00	21:00	12:00
	492	40.0	34.4	6.1	3	8	16	174	233	59	23	5	1	0	1	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	23	37.0	31.4	5.4	0	0	1	10	8	1	3	0	0	0	0	0
01:00	11	48.5	38.4	9.7	0	0	0	1	5	2	0	1	1	1	0	0
02:00	15	46.6	39.8	6.5	0	0	0	0	4	4	5	0	2	0	0	0
03:00	12	44.6	36.3	8.0	0	0	0	2	4	4	1	0	0	1	0	0
04:00	43	44.5	34.9	9.3	0	2	2	9	12	5	6	4	3	0	0	0
05:00	125	41.9	35.5	6.1	0	1	0	20	40	41	14	6	3	0	0	0
06:00	235	41.4	34.9	6.3	0	1	4	41	93	48	33	11	3	1	0	0
07:00	627	38.5	33.1	5.2	1	2	5	162	262	144	40	7	3	0	1	0
08:00	723	37.2	32.3	4.7	0	0	11	240	291	139	33	8	1	0	0	0
09:00	507	36.3	31.4	4.7	0	2	14	198	194	77	17	5	0	0	0	0
10:00	525	35.7	31.2	4.3	0	1	10	213	222	57	19	3	0	0	0	0
11:00	617	36.5	32.0	4.4	0	1	9	206	266	111	20	4	0	0	0	0
12:00	644	35.8	31.2	4.4	0	3	18	240	284	77	18	4	0	0	0	0
13:00	644	36.6	31.3	5.1	2	10	10	236	271	88	23	2	1	0	1	0
14:00	648	37.2	31.8	5.2	0	10	18	220	249	114	31	5	0	1	0	0
15:00	795	36.8	31.7	5.0	3	5	22	264	336	132	25	6	1	1	0	0
16:00	781	37.1	31.9	5.0	3	5	11	253	348	126	25	6	2	2	0	0
17:00	765	37.4	32.5	4.8	0	6	10	215	327	161	42	4	0	0	0	0
18:00	579	37.6	32.4	5.0	1	1	14	167	249	108	31	7	1	0	0	0
19:00	419	38.7	33.1	5.5	2	2	8	105	164	101	29	7	1	0	0	0
20:00	325	38.5	32.6	5.7	0	0	6	111	130	42	23	10	2	1	0	0
21:00	189	39.7	33.2	6.3	0	0	5	57	72	30	19	1	4	0	1	0
22:00	124	43.0	34.1	8.6	0	2	4	33	39	30	7	5	1	0	1	2
23:00	73	43.1	35.1	7.6	0	0	0	20	22	17	9	0	3	1	1	0
Total 2H(10-12)	1142	36.2	31.6	4.4	0	2	19	419	488	168	39	7	0	0	0	0
2H(14-16)	1443	37.0	31.7	5.1	3	15	40	484	585	246	56	11	1	2	0	0
12H(7-19)	7855	37.0	31.9	4.9	10	46	152	2614	3299	1334	324	61	9	4	2	0
24H(0-24)	9449	37.6	32.2	5.2	12	54	182	3023	3892	1659	473	106	32	9	5	2
AM Peak	08:00 723	01:00 48.5	02:00 39.8	01:00 9.7	07:00 1	04:00 2	09:00 14	08:00 240	08:00 291	07:00 144	07:00 40	06:00 11	04:00 3	01:00 1	07:00 1	00:00 0
PM Peak	15:00 795	23:00 43.1	23:00 35.1	22:00 8.6	15:00 3	13:00 10	15:00 22	15:00 264	16:00 348	17:00 161	17:00 42	20:00 10	21:00 4	16:00 2	13:00 1	22:00 2

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

10/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	14	49.3	37.7	11.2	0	0	0	3	5	2	2	0	0	1	1	0
01:00	8	50.7	40.0	10.4	0	0	0	1	2	2	1	0	1	1	0	0
02:00	2	38.7	35.0	3.5	0	0	0	0	1	1	0	0	0	0	0	0
03:00	9	46.6	39.7	6.7	0	0	0	1	0	4	3	0	1	0	0	0
04:00	13	44.0	36.7	7.0	0	0	0	3	2	4	2	2	0	0	0	0
05:00	34	45.4	37.3	7.8	0	0	0	5	9	11	5	2	1	0	1	0
06:00	53	42.7	36.7	5.9	0	0	1	4	17	18	7	6	0	0	0	0
07:00	152	40.9	35.1	5.6	0	0	0	29	53	41	23	4	2	0	0	0
08:00	247	39.0	33.7	5.1	0	0	2	62	94	57	29	3	0	0	0	0
09:00	379	37.3	32.8	4.3	0	0	3	87	197	74	14	3	0	1	0	0
10:00	366	36.8	32.1	4.5	1	3	8	95	174	76	8	1	0	0	0	0
11:00	371	38.1	32.7	5.1	0	9	8	59	200	71	19	5	0	0	0	0
12:00	299	38.2	32.6	5.4	2	4	8	62	142	59	19	3	0	0	0	0
13:00	280	39.6	33.9	5.5	1	1	6	47	116	82	20	5	1	1	0	0
14:00	221	39.8	34.2	5.4	0	2	2	30	111	46	23	4	3	0	0	0
15:00	234	39.6	33.8	5.6	0	2	3	47	97	61	16	5	2	1	0	0
16:00	225	40.4	34.0	6.2	1	3	3	38	95	53	25	6	0	0	1	0
17:00	209	40.8	34.8	5.7	0	1	1	34	86	50	27	7	3	0	0	0
18:00	164	41.8	34.9	6.7	0	1	3	34	54	42	16	9	5	0	0	0
19:00	158	41.3	34.6	6.6	0	2	2	34	51	44	12	10	3	0	0	0
20:00	108	40.6	34.4	6.0	0	0	4	18	43	27	10	4	2	0	0	0
21:00	92	40.0	33.6	6.2	0	0	2	28	29	20	9	3	0	1	0	0
22:00	90	42.8	35.3	7.3	0	0	2	15	35	22	9	3	1	2	1	0
23:00	30	41.9	35.0	6.7	0	0	1	7	7	9	3	3	0	0	0	0
Total																
2H(10-12)	737	37.5	32.4	4.9	1	12	16	154	374	147	27	6	0	0	0	0
2H(14-16)	455	39.7	34.0	5.5	0	4	5	77	208	107	39	9	5	1	0	0
12H(7-19)	3147	39.1	33.5	5.4	5	26	47	624	1419	712	239	55	16	3	1	0
24H(0-24)	3758	39.6	33.7	5.7	5	28	59	743	1620	876	302	88	25	8	4	0
AM Peak	09:00	01:00	01:00	00:00	10:00	11:00	10:00	10:00	11:00	10:00	08:00	06:00	07:00	00:00	00:00	00:00
	379	50.7	40.0	11.2	1	9	8	95	200	76	29	6	2	1	1	0
PM Peak	12:00	22:00	22:00	22:00	12:00	12:00	12:00	12:00	12:00	13:00	17:00	19:00	18:00	22:00	16:00	12:00
	299	42.8	35.3	7.3	2	4	8	62	142	82	27	10	5	2	1	0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	28	39.8	32.7	6.9	0	0	0	12	10	2	3	0	0	1	0	0
01:00	13	38.9	34.0	4.7	0	0	0	2	7	2	2	0	0	0	0	0
02:00	9	43.1	36.4	6.5	0	0	0	1	4	1	2	1	0	0	0	0
03:00	3	52.8	40.8	11.5	0	0	0	1	0	0	0	2	0	0	0	0
04:00	9	48.6	38.6	9.6	0	0	0	2	1	3	1	1	0	1	0	0
05:00	13	41.1	38.3	2.8	0	0	0	0	1	9	3	0	0	0	0	0
06:00	35	42.0	35.0	6.8	0	0	0	4	19	8	2	1	0	0	1	0
07:00	72	39.7	33.9	5.6	0	0	1	16	30	17	4	3	1	0	0	0
08:00	170	35.0	27.0	7.7	1	33	29	35	51	17	4	0	0	0	0	0
09:00	370	32.5	24.3	8.0	0	128	57	87	66	25	6	1	0	0	0	0
10:00	336	36.5	30.2	6.1	2	20	11	127	117	46	12	0	1	0	0	0
11:00	375	36.2	31.2	4.8	0	9	5	131	173	46	7	3	1	0	0	0
12:00	391	37.3	31.2	5.9	0	17	22	106	164	65	12	3	2	0	0	0
13:00	306	38.9	32.8	5.8	0	0	7	97	115	60	20	3	1	1	2	0
14:00	330	36.7	31.7	4.8	0	2	11	109	143	49	12	4	0	0	0	0
15:00	273	37.7	32.6	5.0	0	1	2	85	114	53	14	1	3	0	0	0
16:00	294	36.2	31.4	4.6	0	2	4	117	117	40	13	1	0	0	0	0
17:00	278	36.9	32.1	4.6	0	2	3	89	124	45	13	2	0	0	0	0
18:00	184	40.1	33.8	6.1	0	0	2	51	65	42	18	2	3	0	1	0
19:00	214	39.1	33.5	5.5	0	1	1	60	73	59	14	5	0	1	0	0
20:00	115	38.8	32.4	6.1	0	0	2	51	31	16	9	5	1	0	0	0
21:00	94	37.9	32.1	5.6	0	0	5	31	37	13	5	2	1	0	0	0
22:00	76	39.3	32.4	6.7	0	0	5	27	24	9	9	0	1	1	0	0
23:00	46	39.5	32.7	6.6	0	0	1	20	11	8	3	2	1	0	0	0
Total																
2H(10-12)	711	36.4	30.7	5.5	2	29	16	258	290	92	19	3	2	0	0	0
2H(14-16)	603	37.2	32.1	4.9	0	3	13	194	257	102	26	5	3	0	0	0
12H(7-19)	3379	37.3	30.7	6.4	3	214	154	1050	1279	505	135	23	12	1	3	0
24H(0-24)	4034	37.8	31.1	6.4	3	215	168	1261	1497	635	188	42	16	5	4	0
AM Peak	11:00	03:00	03:00	03:00	10:00	09:00	09:00	11:00	11:00	10:00	10:00	07:00	07:00	00:00	06:00	00:00
	375	52.8	40.8	11.5	2	128	57	131	173	46	12	3	1	1	1	0
PM Peak	12:00	18:00	18:00	22:00	12:00	12:00	12:00	16:00	12:00	12:00	13:00	19:00	15:00	13:00	13:00	12:00
	391	40.1	33.8	6.7	0	17	22	117	164	65	20	5	3	1	2	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	42	43.4	34.3	8.7	0	0	0	15	15	4	5	0	0	2	1	0
01:00	21	44.3	36.3	7.7	0	0	0	3	9	4	3	0	1	1	0	0
02:00	11	42.3	36.1	6.0	0	0	0	1	5	2	2	1	0	0	0	0
03:00	12	47.8	40.0	7.5	0	0	0	2	0	4	3	2	1	0	0	0
04:00	22	45.8	37.5	8.0	0	0	0	5	3	7	3	3	0	1	0	0
05:00	47	44.6	37.6	6.8	0	0	0	5	10	20	8	2	1	0	1	0
06:00	88	42.5	36.0	6.3	0	0	1	8	36	26	9	7	0	0	1	0
07:00	224	40.5	34.7	5.6	0	0	1	45	83	58	27	7	3	0	0	0
08:00	417	38.3	30.9	7.1	1	33	31	97	145	74	33	3	0	0	0	0
09:00	749	36.5	28.6	7.7	0	128	60	174	263	99	20	4	0	1	0	0
10:00	702	36.8	31.2	5.4	3	23	19	222	291	122	20	1	1	0	0	0
11:00	746	37.2	32.0	5.1	0	18	13	190	373	117	26	8	1	0	0	0
12:00	690	37.7	31.8	5.8	2	21	30	168	306	124	31	6	2	0	0	0
13:00	586	39.2	33.3	5.7	1	1	13	144	231	142	40	8	2	2	2	0
14:00	551	38.1	32.7	5.2	0	4	13	139	254	95	35	8	3	0	0	0
15:00	507	38.7	33.1	5.3	0	3	5	132	211	114	30	6	5	1	0	0
16:00	519	38.2	32.5	5.5	1	5	7	155	212	93	38	7	0	0	1	0
17:00	487	38.8	33.2	5.3	0	3	4	123	210	95	40	9	3	0	0	0
18:00	348	40.9	34.3	6.4	0	1	5	85	119	84	34	11	8	0	1	0
19:00	372	40.1	33.9	6.0	0	3	3	94	124	103	26	15	3	1	0	0
20:00	223	39.7	33.4	6.1	0	0	6	69	74	43	19	9	3	0	0	0
21:00	186	39.0	32.8	5.9	0	0	7	59	66	33	14	5	1	1	0	0
22:00	166	41.4	34.0	7.1	0	0	7	42	59	31	18	3	2	3	1	0
23:00	76	40.5	33.6	6.7	0	0	2	27	18	17	6	5	1	0	0	0
Total																
	2H(10-12)	1448	37.0	31.6	5.3	3	41	32	412	664	239	46	9	2	0	0
	2H(14-16)	1058	38.4	32.9	5.3	0	7	18	271	465	209	65	14	8	1	0
	12H(7-19)	6526	38.4	32.0	6.1	8	240	201	1674	2698	1217	374	78	28	4	4
24H(0-24)	7792	38.8	32.4	6.2	8	243	227	2004	3117	1511	490	130	41	13	8	0
AM Peak	09:00	03:00	03:00	00:00	10:00	09:00	09:00	10:00	11:00	10:00	08:00	11:00	07:00	00:00	00:00	00:00
	749	47.8	40.0	8.7	3	128	60	222	373	122	33	8	3	2	1	0
PM Peak	12:00	22:00	18:00	22:00	12:00	12:00	12:00	12:00	12:00	13:00	13:00	19:00	18:00	22:00	13:00	12:00
	690	41.4	34.3	7.1	2	21	30	168	306	142	40	15	8	3	2	0

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	25	49.0	37.6	11.0	0	0	0	5	8	6	2	1	1	1	0	1
01:00	12	47.6	37.1	10.1	0	0	0	4	2	2	2	0	1	1	0	0
02:00	13	47.7	37.3	10.0	0	0	0	2	5	3	1	1	0	0	1	0
03:00	3	43.7	35.8	7.6	0	0	0	1	0	1	1	0	0	0	0	0
04:00	6	42.7	36.7	5.8	0	0	0	1	1	2	2	0	0	0	0	0
05:00	19	39.4	35.4	3.8	0	0	0	2	5	11	1	0	0	0	0	0
06:00	40	41.3	35.4	5.8	0	0	1	4	16	12	5	1	1	0	0	0
07:00	64	42.6	36.5	5.9	0	0	0	4	28	17	10	3	1	1	0	0
08:00	116	40.4	34.2	6.1	0	3	0	19	47	32	11	2	2	0	0	0
09:00	233	38.7	33.0	5.5	0	1	0	63	104	50	10	3	1	0	0	1
10:00	300	38.2	33.2	4.9	0	2	4	69	125	77	21	2	0	0	0	0
11:00	299	38.3	32.8	5.3	0	2	0	85	136	55	12	7	1	0	1	0
12:00	266	38.9	33.5	5.3	1	1	3	57	113	64	23	3	1	0	0	0
13:00	256	39.4	33.1	6.0	1	4	5	63	95	59	23	4	2	0	0	0
14:00	210	39.8	33.6	6.1	2	3	5	30	95	50	22	2	0	1	0	0
15:00	181	40.1	34.4	5.5	0	0	2	29	78	50	18	1	2	0	1	0
16:00	202	40.8	34.1	6.4	0	1	1	46	80	48	19	4	1	0	1	1
17:00	195	40.0	33.5	6.3	0	6	1	40	77	50	17	2	1	0	1	0
18:00	171	41.2	34.2	6.7	0	4	5	29	60	49	17	1	5	1	0	0
19:00	130	43.4	34.9	8.2	0	4	1	22	51	30	9	5	5	1	2	0
20:00	85	42.2	34.4	7.5	1	2	1	13	33	19	10	4	1	1	0	0
21:00	61	42.0	35.9	6.0	0	0	0	10	20	16	11	3	1	0	0	0
22:00	34	42.7	34.3	8.1	0	0	0	14	5	9	4	1	0	0	1	0
23:00	16	50.8	40.8	9.7	0	0	0	2	2	5	2	3	1	0	1	0
Total 2H(10-12) 2H(14-16) 12H(7-19) 24H(0-24)	599	38.3	33.0	5.1	0	4	4	154	261	132	33	9	1	0	1	0
	391	40.0	34.0	5.8	2	3	7	59	173	100	40	3	2	1	1	0
	2493	39.6	33.6	5.8	4	27	26	534	1038	601	203	34	17	3	4	2
	2937	40.3	33.9	6.2	5	33	29	614	1186	717	253	53	28	7	9	3
AM Peak	10:00 300	00:00 49.0	00:00 37.6	00:00 11.0	00:00 0	08:00 3	10:00 4	11:00 85	11:00 136	10:00 77	10:00 21	11:00 7	08:00 2	00:00 1	02:00 1	00:00 1
PM Peak	12:00 266	23:00 50.8	23:00 40.8	23:00 9.7	14:00 2	17:00 6	13:00 5	13:00 63	12:00 113	12:00 64	12:00 23	19:00 5	18:00 5	14:00 1	19:00 2	16:00 1

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	27	41.8	34.5	7.0	0	0	0	9	5	9	3	0	0	1	0	0
01:00	15	46.8	37.3	9.1	0	0	0	2	5	4	3	0	0	0	1	0
02:00	13	48.0	36.9	10.7	0	0	0	4	3	2	2	1	0	0	1	0
03:00	4	33.8	31.3	2.5	0	0	0	1	3	0	0	0	0	0	0	0
04:00	3	46.5	37.5	8.7	0	0	0	0	2	0	0	1	0	0	0	0
05:00	13	43.9	34.8	8.8	0	0	0	5	3	2	2	0	0	1	0	0
06:00	28	41.5	33.0	8.2	0	2	1	6	9	4	4	2	0	0	0	0
07:00	47	40.4	34.0	6.2	0	0	2	10	17	11	5	1	1	0	0	0
08:00	89	40.7	33.4	7.0	0	0	3	28	32	11	10	3	1	0	1	0
09:00	159	39.8	32.7	6.8	0	1	8	47	58	31	9	1	1	1	2	0
10:00	227	37.9	31.7	6.0	0	9	7	65	92	38	14	0	2	0	0	0
11:00	264	36.3	31.0	5.1	2	4	5	98	112	33	9	1	0	0	0	0
12:00	292	36.0	31.2	4.6	0	1	11	109	123	39	7	1	0	1	0	0
13:00	296	36.8	31.7	4.9	0	3	6	101	131	37	15	2	1	0	0	0
14:00	249	37.0	32.1	4.7	0	0	9	65	133	24	15	2	1	0	0	0
15:00	251	37.9	32.5	5.3	0	2	0	85	104	38	15	6	1	0	0	0
16:00	270	37.6	31.8	5.6	0	6	9	85	107	45	13	4	1	0	0	0
17:00	189	37.1	31.7	5.2	0	1	5	73	71	27	8	3	1	0	0	0
18:00	183	38.5	32.8	5.5	0	0	5	54	76	28	13	7	0	0	0	0
19:00	141	39.8	33.1	6.4	1	1	2	41	53	23	14	4	2	0	0	0
20:00	125	39.5	32.5	6.8	1	1	1	50	38	17	11	3	3	0	0	0
21:00	70	36.4	31.2	5.0	0	1	1	30	27	5	6	0	0	0	0	0
22:00	53	43.0	34.3	8.3	0	0	1	18	16	9	3	2	3	0	1	0
23:00	19	42.1	35.1	6.7	0	0	0	5	6	3	3	2	0	0	0	0
Total 2H(10-12)	491	37.0	31.3	5.5	2	13	12	163	204	71	23	1	2	0	0	0
2H(14-16)	500	37.5	32.3	5.0	0	2	9	150	237	62	30	8	2	0	0	0
12H(7-19)	2516	37.6	32.0	5.4	2	27	70	820	1056	362	133	31	10	2	3	0
24H(0-24)	3027	38.1	32.2	5.7	4	32	76	991	1226	440	184	46	18	4	6	0
AM Peak	11:00 264	02:00 48.0	04:00 37.5	02:00 10.7	11:00 2	10:00 9	09:00 8	11:00 98	11:00 112	10:00 38	10:00 14	08:00 3	10:00 2	00:00 1	09:00 2	00:00 0
PM Peak	13:00 296	22:00 43.0	23:00 35.1	22:00 8.3	19:00 1	16:00 6	12:00 11	12:00 109	14:00 133	16:00 45	13:00 15	18:00 7	20:00 3	12:00 1	22:00 1	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	52	45.5	36.0	9.1	0	0	0	14	13	15	5	1	1	2	0	1
01:00	27	46.9	37.2	9.4	0	0	0	6	7	6	5	0	1	1	1	0
02:00	26	47.7	37.1	10.2	0	0	0	6	8	5	3	2	0	0	2	0
03:00	7	38.8	33.2	5.3	0	0	0	2	3	1	1	0	0	0	0	0
04:00	9	43.5	36.9	6.3	0	0	0	1	3	2	2	1	0	0	0	0
05:00	32	41.6	35.2	6.2	0	0	0	7	8	13	3	0	0	1	0	0
06:00	68	41.6	34.4	6.9	0	2	2	10	25	16	9	3	1	0	0	0
07:00	111	41.8	35.4	6.1	0	0	2	14	45	28	15	4	2	1	0	0
08:00	205	40.6	33.8	6.5	0	3	3	47	79	43	21	5	3	0	1	0
09:00	392	39.2	32.9	6.0	0	2	8	110	162	81	19	4	2	1	2	1
10:00	527	38.2	32.5	5.4	0	11	11	134	217	115	35	2	2	0	0	0
11:00	563	37.4	32.0	5.3	2	6	5	183	248	88	21	8	1	0	1	0
12:00	558	37.5	32.3	5.1	1	2	14	166	236	103	30	4	1	1	0	0
13:00	552	38.1	32.4	5.5	1	7	11	164	226	96	38	6	3	0	0	0
14:00	459	38.4	32.8	5.4	2	3	14	95	228	74	37	4	1	1	0	0
15:00	432	38.9	33.3	5.4	0	2	2	114	182	88	33	7	3	0	1	0
16:00	472	39.1	32.8	6.1	0	7	10	131	187	93	32	8	2	0	1	1
17:00	384	38.6	32.6	5.8	0	7	6	113	148	77	25	5	2	0	1	0
18:00	354	39.8	33.5	6.1	0	4	10	83	136	77	30	8	5	1	0	0
19:00	271	41.6	34.0	7.4	1	5	3	63	104	53	23	9	7	1	2	0
20:00	210	40.6	33.3	7.1	2	3	2	63	71	36	21	7	4	1	0	0
21:00	131	39.5	33.4	6.0	0	1	1	40	47	21	17	3	1	0	0	0
22:00	87	42.8	34.3	8.2	0	0	1	32	21	18	7	3	3	0	2	0
23:00	35	46.6	37.7	8.6	0	0	0	7	8	8	5	5	1	0	1	0
Total 2H(10-12)	1090	37.8	32.2	5.3	2	17	16	317	465	203	56	10	3	0	1	0
2H(14-16)	891	38.6	33.0	5.4	2	5	16	209	410	162	70	11	4	1	1	0
12H(7-19)	5009	38.6	32.8	5.7	6	54	96	1354	2094	963	336	65	27	5	7	2
24H(0-24)	5964	39.2	33.0	6.0	9	65	105	1605	2412	1157	437	99	46	11	15	3
AM Peak	11:00 563	02:00 47.7	01:00 37.2	02:00 10.2	11:00 2	10:00 11	10:00 11	11:00 183	11:00 248	10:00 115	10:00 35	11:00 8	08:00 3	00:00 2	02:00 2	00:00 1
PM Peak	12:00 558	23:00 46.6	23:00 37.7	23:00 8.6	14:00 2	13:00 7	12:00 14	12:00 166	12:00 236	12:00 103	13:00 38	19:00 9	19:00 7	12:00 1	19:00 2	16:00 1

Paul Castle Associates

Tween Bridge ATC 17, A161 Wharf Road

Direction: Southbound

12/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	5	57.2	46.0	10.8	0	0	0	0	0	1	3	0	0	0	1	0
01:00	7	52.5	38.9	13.1	0	0	0	2	2	1	0	0	0	2	0	0
02:00	6	45.4	39.2	6.1	0	0	0	0	2	1	2	1	0	0	0	0
03:00	14	45.2	38.2	6.8	0	0	0	1	4	4	3	1	1	0	0	0
04:00	28	44.1	36.7	7.2	0	1	0	3	7	6	9	2	0	0	0	0
05:00	100	44.8	37.4	7.1	0	0	0	13	27	29	19	8	1	2	1	0
06:00	186	42.3	36.3	5.7	0	0	2	23	53	58	40	8	2	0	0	0
07:00	422	38.0	33.0	4.9	4	0	0	95	196	104	20	3	0	0	0	0
08:00	492	37.3	32.2	4.9	0	7	7	132	240	74	26	6	0	0	0	0
09:00	282	37.0	31.6	5.3	1	6	8	84	127	41	13	2	0	0	0	0
10:00	262	37.4	32.6	4.6	0	1	4	70	117	59	8	2	1	0	0	0
11:00	281	39.4	34.0	5.2	0	3	3	41	133	66	29	5	1	0	0	0
12:00	270	38.9	33.0	5.7	1	4	5	62	109	64	20	4	1	0	0	0
13:00	243	38.7	33.4	5.1	0	2	2	56	101	60	17	5	0	0	0	0
14:00	268	38.2	32.1	5.8	2	5	5	69	128	39	14	4	2	0	0	0
15:00	273	37.4	32.4	4.9	0	4	5	68	124	61	8	3	0	0	0	0
16:00	273	39.1	33.3	5.6	1	2	4	60	116	68	16	2	3	1	0	0
17:00	299	38.1	32.0	5.9	0	9	12	82	116	57	19	3	1	0	0	0
18:00	232	39.3	33.4	5.7	0	3	5	53	88	62	16	2	2	1	0	0
19:00	159	41.6	35.1	6.3	1	4	0	17	56	49	27	5	0	0	0	0
20:00	123	40.4	33.7	6.4	1	1	1	32	38	32	16	0	1	1	0	0
21:00	65	40.2	34.3	5.8	0	0	0	18	19	19	5	4	0	0	0	0
22:00	26	38.5	33.3	5.0	0	0	0	8	9	6	3	0	0	0	0	0
23:00	20	40.4	34.8	5.5	0	0	0	4	7	6	2	1	0	0	0	0
Total 2H(10-12)	543	38.5	33.3	5.0	0	4	7	111	250	125	37	7	2	0	0	0
2H(14-16)	541	37.8	32.3	5.3	2	9	10	137	252	100	22	7	2	0	0	0
12H(7-19)	3597	38.2	32.7	5.3	9	46	60	872	1595	755	206	41	11	2	0	0
24H(0-24)	4336	39.0	33.2	5.6	11	52	63	993	1819	967	335	71	16	7	2	0
AM Peak	08:00 492	00:00 57.2	00:00 46.0	01:00 13.1	07:00 4	08:00 7	09:00 8	08:00 132	08:00 240	07:00 104	06:00 40	05:00 8	06:00 2	01:00 2	00:00 1	00:00 0
PM Peak	17:00 299	19:00 41.6	19:00 35.1	20:00 6.4	14:00 2	17:00 9	17:00 12	17:00 82	14:00 128	16:00 68	19:00 27	13:00 5	16:00 3	16:00 1	12:00 0	12:00 0

Paul Castle Associates

Direction: Northbound

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 >=70
00:00	14	36.6	31.1	5.3	0	0	0	9	1	3	1	0	0	0	0	0
01:00	4	49.9	40.0	9.6	0	0	0	0	2	0	1	0	1	0	0	0
02:00	5	48.4	40.5	7.6	0	0	0	0	1	2	1	0	1	0	0	0
03:00	6	50.8	38.3	12.0	0	0	0	2	1	1	0	1	0	1	0	0
04:00	7	44.8	37.5	7.1	0	0	0	0	4	1	0	2	0	0	0	0
05:00	22	49.6	38.2	11.0	0	0	0	6	5	2	5	2	0	0	2	0
06:00	72	40.5	34.5	5.7	0	0	0	14	33	13	6	6	0	0	0	0
07:00	228	37.5	32.5	4.9	0	0	2	75	96	36	16	2	1	0	0	0
08:00	287	37.3	31.4	5.8	0	3	3	133	94	39	9	2	3	0	0	1
09:00	255	37.1	31.4	5.5	0	1	7	109	97	24	13	0	0	4	0	0
10:00	260	34.8	30.4	4.2	0	1	10	125	86	36	1	1	0	0	0	0
11:00	263	36.3	31.8	4.3	0	0	3	96	112	38	14	0	0	0	0	0
12:00	269	35.3	31.1	4.1	0	0	0	123	110	27	8	0	1	0	0	0
13:00	272	35.6	30.6	4.7	1	4	10	106	116	26	9	0	0	0	0	0
14:00	328	35.7	30.9	4.6	1	3	9	130	137	37	10	1	0	0	0	0
15:00	308	36.2	30.1	5.9	1	11	25	119	104	37	7	2	2	0	0	0
16:00	474	35.4	31.0	4.3	0	3	6	205	191	54	13	2	0	0	0	0
17:00	499	35.6	30.6	4.8	1	6	21	207	198	52	10	2	2	0	0	0
18:00	268	37.6	32.7	4.8	0	0	3	74	130	41	12	8	0	0	0	0
19:00	187	36.9	31.8	4.9	0	1	1	72	77	24	8	4	0	0	0	0
20:00	154	35.7	30.7	4.8	0	2	3	72	54	16	6	1	0	0	0	0
21:00	95	38.3	32.5	5.6	0	1	3	33	25	25	7	1	0	0	0	0
22:00	65	38.2	32.0	5.9	0	0	1	31	17	8	5	3	0	0	0	0
23:00	14	33.6	31.4	2.1	0	0	0	3	11	0	0	0	0	0	0	0
Total 2H(10-12)	523	35.6	31.1	4.3	0	1	13	221	198	74	15	1	0	0	0	0
2H(14-16)	636	36.0	30.5	5.3	2	14	34	249	241	74	17	3	2	0	0	0
12H(7-19)	3711	36.2	31.1	4.9	4	32	99	1502	1471	447	122	20	9	4	0	1
24H(0-24)	4356	36.6	31.3	5.1	4	36	107	1744	1702	542	162	40	11	5	2	1
AM Peak	08:00 287	03:00 50.8	02:00 40.5	03:00 12.0	00:00 0	08:00 3	10:00 10	08:00 133	11:00 112	08:00 39	07:00 16	06:00 6	08:00 3	09:00 4	05:00 2	08:00 1
PM Peak	17:00 499	21:00 38.3	18:00 32.7	22:00 5.9	13:00 1	15:00 11	15:00 25	17:00 207	17:00 198	16:00 54	16:00 13	18:00 8	15:00 2	12:00 0	12:00 0	12:00 0

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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<25	Bin 4 25<30	Bin 5 30<35	Bin 6 35<40	Bin 7 40<45	Bin 8 45<50	Bin 9 50<55	Bin 10 55<60	Bin 11 60<70	Bin 12 ≥70
00:00	19	45.0	35.0	9.6	0	0	0	9	1	4	4	0	0	0	1	0
01:00	11	51.2	39.3	11.5	0	0	0	2	4	1	1	0	1	2	0	0
02:00	11	46.5	39.8	6.5	0	0	0	0	3	3	3	1	1	0	0	0
03:00	20	46.9	38.3	8.3	0	0	0	3	5	5	3	2	1	1	0	0
04:00	35	44.2	36.9	7.1	0	1	0	3	11	7	9	4	0	0	0	0
05:00	122	45.8	37.6	7.9	0	0	0	19	32	31	24	10	1	2	3	0
06:00	258	41.8	35.8	5.8	0	0	2	37	86	71	46	14	2	0	0	0
07:00	650	37.8	32.8	4.9	4	0	2	170	292	140	36	5	1	0	0	0
08:00	779	37.4	31.9	5.3	0	10	10	265	334	113	35	8	3	0	0	1
09:00	537	37.1	31.5	5.4	1	7	15	193	224	65	26	2	0	4	0	0
10:00	522	36.2	31.5	4.5	0	2	14	195	203	95	9	3	1	0	0	0
11:00	544	38.1	33.0	4.9	0	3	6	137	245	104	43	5	1	0	0	0
12:00	539	37.3	32.1	5.0	1	4	5	185	219	91	28	4	2	0	0	0
13:00	515	37.2	31.9	5.1	1	6	12	162	217	86	26	5	0	0	0	0
14:00	596	36.9	31.5	5.2	3	8	14	199	265	76	24	5	2	0	0	0
15:00	581	36.9	31.2	5.5	1	15	30	187	228	98	15	5	2	0	0	0
16:00	747	36.9	31.8	4.9	1	5	10	265	307	122	29	4	3	1	0	0
17:00	798	36.6	31.1	5.3	1	15	33	289	314	109	29	5	3	0	0	0
18:00	500	38.4	33.0	5.3	0	3	8	127	218	103	28	10	2	1	0	0
19:00	346	39.3	33.3	5.8	1	5	1	89	133	73	35	9	0	0	0	0
20:00	277	38.0	32.1	5.7	1	3	4	104	92	48	22	1	1	1	0	0
21:00	160	39.1	33.2	5.7	0	1	3	51	44	44	12	5	0	0	0	0
22:00	91	38.3	32.4	5.7	0	0	1	39	26	14	8	3	0	0	0	0
23:00	34	38.2	33.4	4.7	0	0	0	7	18	6	2	1	0	0	0	0
Total 2H(10-12)	1066	37.2	32.2	4.8	0	5	20	332	448	199	52	8	2	0	0	0
2H(14-16)	1177	36.9	31.3	5.4	4	23	44	386	493	174	39	10	4	0	0	0
12H(7-19)	7308	37.3	31.9	5.2	13	78	159	2374	3066	1202	328	61	20	6	0	1
24H(0-24)	8692	37.9	32.3	5.4	15	88	170	2737	3521	1509	497	111	27	12	4	1
AM Peak	08:00 779	01:00 51.2	02:00 39.8	01:00 11.5	07:00 4	08:00 10	09:00 15	08:00 265	08:00 334	07:00 140	06:00 46	06:00 14	08:00 3	09:00 4	05:00 3	08:00 1
PM Peak	17:00 798	19:00 39.3	23:00 33.4	19:00 5.8	14:00 3	15:00 15	17:00 33	17:00 289	17:00 314	16:00 122	19:00 35	18:00 10	16:00 3	16:00 1	12:00 0	12:00 0



Appendix R : Automatic Traffic Survey Reports – Link 18

Tween Bridge ATC 18, A18

Direction: Westbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	3	2	3	8	11	7	7	5	6
01:00	1	3	3	5	3	4	4	3	3
02:00	4	3	4	4	3	2	6	4	4
03:00	7	6	6	4	5	1	11	7	6
04:00	21	19	19	23	6	1	18	20	15
05:00	80	75	77	78	32	16	74	77	62
06:00	140	138	129	121	51	33	118	129	104
07:00	251	244	264	236	107	65	247	248	202
08:00	258	219	233	220	139	71	226	231	195
09:00	164	148	158	132	170	133	147	150	150
10:00	122	157	121	164	189	158	107	134	145
11:00	153	146	145	175	193	189	152	154	165
12:00	155	165	139	176	188	146	129	153	157
13:00	139	139	143	168	172	381	156	149	157
14:00	185	167	194	210	159	150	188	189	179
15:00	214	185	184	256	150	140	195	207	189
16:00	196	223	256	247	155	137	259	236	210
17:00	224	225	208	205	117	112	213	215	186
18:00	129	176	128	132	95	123	128	139	130
19:00	73	81	76	85	86	89	86	80	82
20:00	57	66	50	57	46	48	50	56	53
21:00	50	33	37	57	48	32	48	45	44
22:00	22	27	35	28	36	15	24	27	27
23:00	9	9	17	15	15	8	14	13	12
Total	2190	2194	2173	2321	1834	1607	2147	2205	2067
12H(7-19)	2510	2532	2465	2641	2065	1809	2449	2515	2350
18H(6-22)	2541	2548	2517	2684	2116	1832	2487	2555	2389
24H(0-24)	2657	2657	2629	2806	2176	1863	2607	2671	2485
AM Peak	08:00	07:00	07:00	07:00	11:00	11:00	07:00	07:00	07:00
	258	244	264	236	193	189	247	248	202
PM Peak	17:00	17:00	16:00	15:00	12:00	13:00	16:00	16:00	16:00
	224	225	256	256	188	181	259	236	210

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Direction: Eastbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	7	12	12	10	17	17	7	10	12
01:00	2	2	7	6	12	9	4	4	6
02:00	6	6	7	6	6	4	7	6	6
03:00	9	8	8	19	3	6	8	10	9
04:00	14	17	22	29	8	7	16	20	16
05:00	76	74	75	72	31	15	72	74	59
06:00	127	104	107	92	39	27	109	108	86
07:00	253	252	228	257	70	43	263	251	195
08:00	235	234	225	226	131	54	255	235	194
09:00	182	175	154	165	176	121	183	172	165
10:00	153	155	160	158	228	171	148	155	168
11:00	165	164	150	195	223	179	152	165	175
12:00	176	166	140	180	189	165	180	168	171
13:00	195	159	199	208	178	186	194	191	188
14:00	182	187	220	247	192	158	207	209	199
15:00	220	195	258	236	178	176	239	230	215
16:00	267	262	269	319	182	176	259	275	248
17:00	298	303	283	300	171	142	304	298	257
18:00	192	185	187	217	112	122	134	183	164
19:00	120	139	141	115	99	75	104	124	113
20:00	69	111	87	88	74	56	81	87	81
21:00	46	54	65	70	51	49	43	56	54
22:00	33	37	36	44	39	31	31	36	36
23:00	9	8	17	20	25	8	12	13	14
Total	2518	2437	2473	2708	2030	1693	2518	2531	2340
12H(7-19)	2880	2845	2873	3073	2293	1900	2855	2905	2674
18H(6-22)	2922	2890	2926	3137	2357	1939	2898	2955	2704
24H(0-24)	3036	3009	3057	3279	2434	1997	3012	3079	2832
AM Peak	07:00	07:00	07:00	07:00	10:00	11:00	07:00	07:00	07:00
	253	252	228	257	228	179	263	251	195
PM Peak	17:00	17:00	17:00	16:00	14:00	13:00	17:00	17:00	17:00
	298	303	283	313	192	186	304	298	257

Paul Castle Associates

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	10	14	15	18	28	24	14	14	18
01:00	3	5	10	11	15	13	8	7	9
02:00	10	9	11	10	9	6	13	11	10
03:00	16	14	14	23	8	7	19	17	14
04:00	30	36	41	52	14	8	34	40	31
05:00	156	159	152	150	63	31	146	151	121
06:00	267	242	236	213	90	60	227	237	191
07:00	504	496	492	493	177	108	510	499	397
08:00	493	453	458	446	270	125	481	466	389
09:00	346	323	312	297	346	254	330	322	315
10:00	275	312	281	322	417	329	255	289	313
11:00	318	310	295	370	416	368	304	319	340
12:00	331	331	279	356	377	313	309	321	328
13:00	334	298	342	376	350	367	350	340	345
14:00	367	354	414	457	351	308	395	397	378
15:00	434	380	442	492	328	316	434	436	404
16:00	463	485	525	566	337	313	518	511	458
17:00	522	528	491	505	288	254	517	513	444
18:00	321	361	315	349	207	245	262	322	294
19:00	193	220	217	200	185	164	190	204	196
20:00	126	177	137	145	120	104	131	143	134
21:00	96	87	102	127	99	81	91	101	98
22:00	55	64	71	72	75	46	55	63	63
23:00	18	17	34	35	40	16	26	26	27
Total	4708	4631	4646	5029	3864	3300	4665	4736	4406
12H(7-19)	5390	5357	5338	5714	4358	3709	5304	5421	5024
18H(6-22)	5463	5438	5443	5821	4473	3771	5385	5550	5113
24H(0-24)	5693	5666	5686	6085	4610	3860	5619	5750	5317
AM Peak	07:00	07:00	07:00	07:00	10:00	11:00	07:00	07:00	07:00
	504	496	492	493	417	368	510	499	397
PM Peak	17:00	17:00	16:00	16:00	12:00	13:00	16:00	17:00	16:00
	522	528	525	566	377	367	518	513	458

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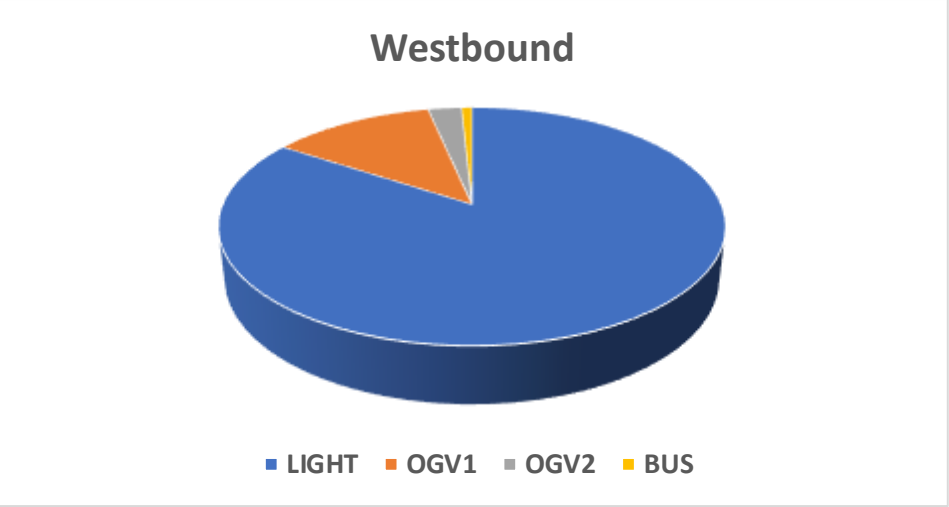


Tween Bridge ATC 18, A18

Direction: Westbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	2657	2168	368	90	31
Wed 7 Jun 2023	2657	2198	356	81	22
Thu 8 Jun 2023	2629	2182	337	79	31
Fri 9 Jun 2023	2806	2319	371	91	25
Sat 10 Jun 2023	2176	1971	189	9	7
Sun 11 Jun 2023	1863	1698	153	10	2
Mon 12 Jun 2023	2607	2119	384	84	20
5 Day Ave.	2671	2197	363	85	26
7 Day Ave.	2485	2094	308	63	20

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	81.6%	13.9%	3.4%	1.2%
Wed 7 Jun 2023	100.0%	82.7%	13.4%	3.0%	0.8%
Thu 8 Jun 2023	100.0%	83.0%	12.8%	3.0%	1.2%
Fri 9 Jun 2023	100.0%	82.6%	13.2%	3.2%	0.9%
Sat 10 Jun 2023	100.0%	90.6%	8.7%	0.4%	0.3%
Sun 11 Jun 2023	100.0%	91.1%	8.2%	0.5%	0.1%
Mon 12 Jun 2023	100.0%	81.3%	14.7%	3.2%	0.8%
5 Day Ave.	100.0%	82.3%	13.6%	3.2%	1.0%
7 Day Ave.	100.0%	84.2%	12.4%	2.6%	0.8%

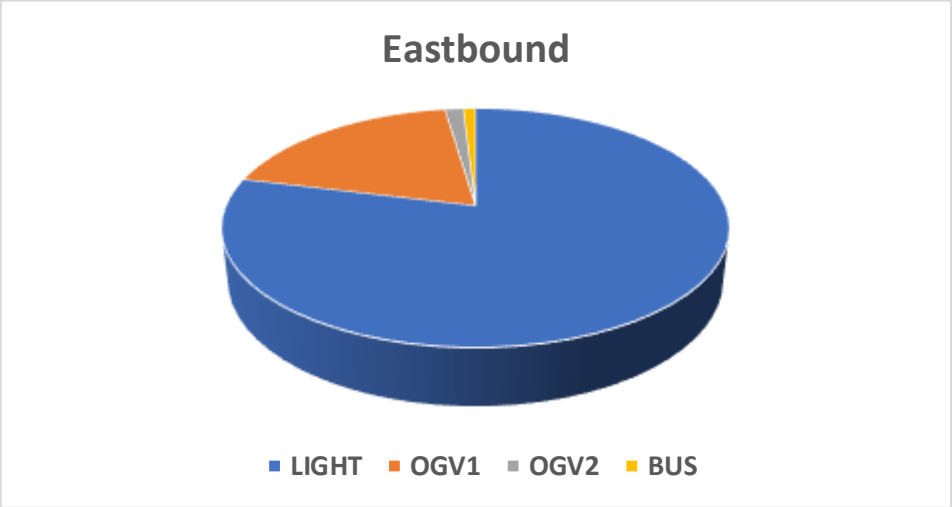
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Direction: Eastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	3036	2342	606	55	33
Wed 7 Jun 2023	3009	2309	600	67	33
Thu 8 Jun 2023	3057	2381	592	48	36
Fri 9 Jun 2023	3279	2623	584	44	28
Sat 10 Jun 2023	2434	2044	372	9	9
Sun 11 Jun 2023	1997	1661	322	5	9
Mon 12 Jun 2023	3012	2265	663	48	36
5 Day Ave.	3079	2384	609	52	33
7 Day Ave.	2832	2232	534	39	26

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	77.1%	20.0%	1.8%	1.1%
Wed 7 Jun 2023	100.0%	76.7%	19.9%	2.2%	1.1%
Thu 8 Jun 2023	100.0%	77.9%	19.4%	1.6%	1.2%
Fri 9 Jun 2023	100.0%	80.0%	17.8%	1.3%	0.9%
Sat 10 Jun 2023	100.0%	84.0%	15.3%	0.4%	0.4%
Sun 11 Jun 2023	100.0%	83.2%	16.1%	0.3%	0.5%
Mon 12 Jun 2023	100.0%	75.2%	22.0%	1.6%	1.2%
5 Day Ave.	100.0%	77.4%	19.8%	1.7%	1.1%
7 Day Ave.	100.0%	78.8%	18.9%	1.4%	0.9%

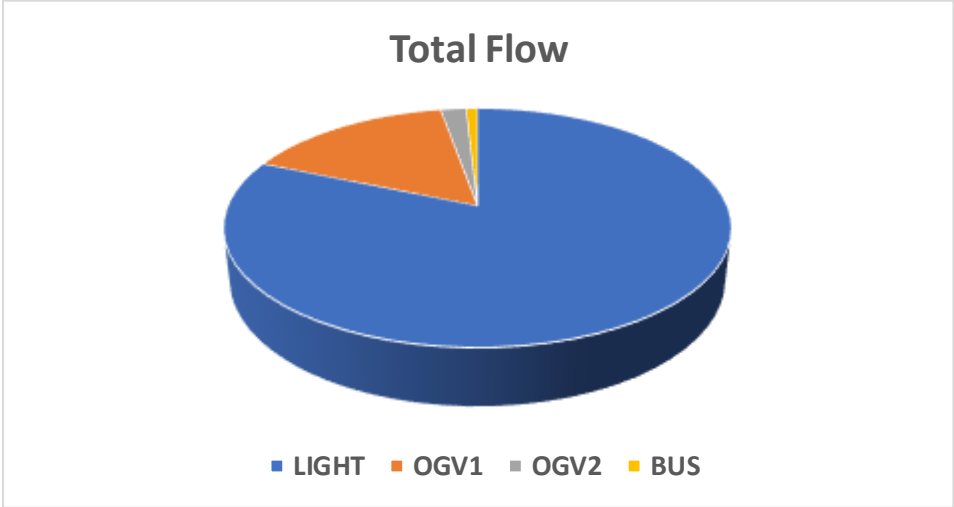
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Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	5693	4510	974	145	64
Wed 7 Jun 2023	5666	4507	956	148	55
Thu 8 Jun 2023	5686	4563	929	127	67
Fri 9 Jun 2023	6085	4942	955	135	53
Sat 10 Jun 2023	4610	4015	561	18	16
Sun 11 Jun 2023	3860	3359	475	15	11
Mon 12 Jun 2023	5619	4384	1047	132	56
5 Day Ave.	5750	4581	972	137	59
7 Day Ave.	5317	4326	842	103	46

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	79.2%	17.1%	2.5%	1.1%
Wed 7 Jun 2023	100.0%	79.5%	16.9%	2.6%	1.0%
Thu 8 Jun 2023	100.0%	80.2%	16.3%	2.2%	1.2%
Fri 9 Jun 2023	100.0%	81.2%	15.7%	2.2%	0.9%
Sat 10 Jun 2023	100.0%	87.1%	12.2%	0.4%	0.3%
Sun 11 Jun 2023	100.0%	87.0%	12.3%	0.4%	0.3%
Mon 12 Jun 2023	100.0%	78.0%	18.6%	2.3%	1.0%
5 Day Ave.	100.0%	79.7%	16.9%	2.4%	1.0%
7 Day Ave.	100.0%	81.4%	15.8%	1.9%	0.9%

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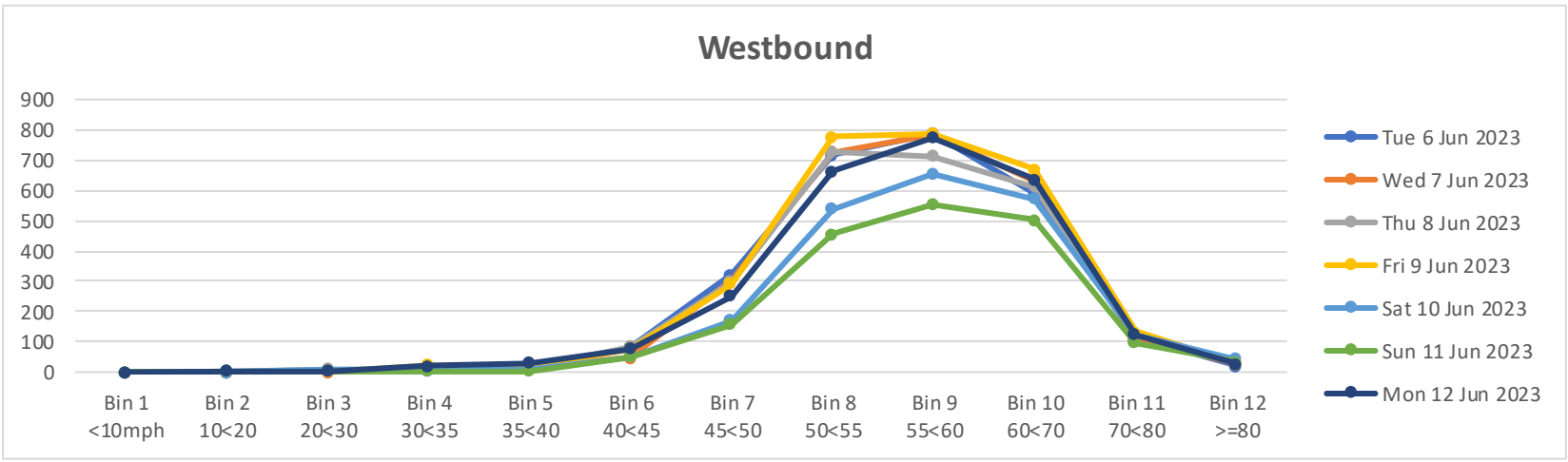


Tween Bridge ATC 18, A18

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	2657	65.1	56.9	7.9	0	0	3	8	11	83	323	715	787	589	117	21
Wed 7 Jun 2023	2657	65.4	57.3	7.8	0	1	0	12	15	48	301	728	784	633	108	27
Thu 8 Jun 2023	2629	65.8	57.0	8.5	0	2	10	11	17	85	297	727	712	614	121	33
Fri 9 Jun 2023	2806	65.7	57.2	8.3	0	0	5	24	16	77	292	777	786	669	133	27
Sat 10 Jun 2023	2176	67.3	58.4	8.6	0	1	7	6	9	51	171	538	654	571	125	43
Sun 11 Jun 2023	1863	67.0	58.3	8.5	1	2	3	4	2	50	159	455	553	503	98	33
Mon 12 Jun 2023	2607	66.0	57.3	8.5	0	2	5	20	29	76	251	663	773	636	125	27
5 Day Ave.	2671	65.6	57.1	8.2	0	1	5	15	18	74	293	722	768	628	121	27
7 Day Ave.	2485	66.1	57.5	8.3	0	1	5	12	14	67	256	658	721	602	118	30

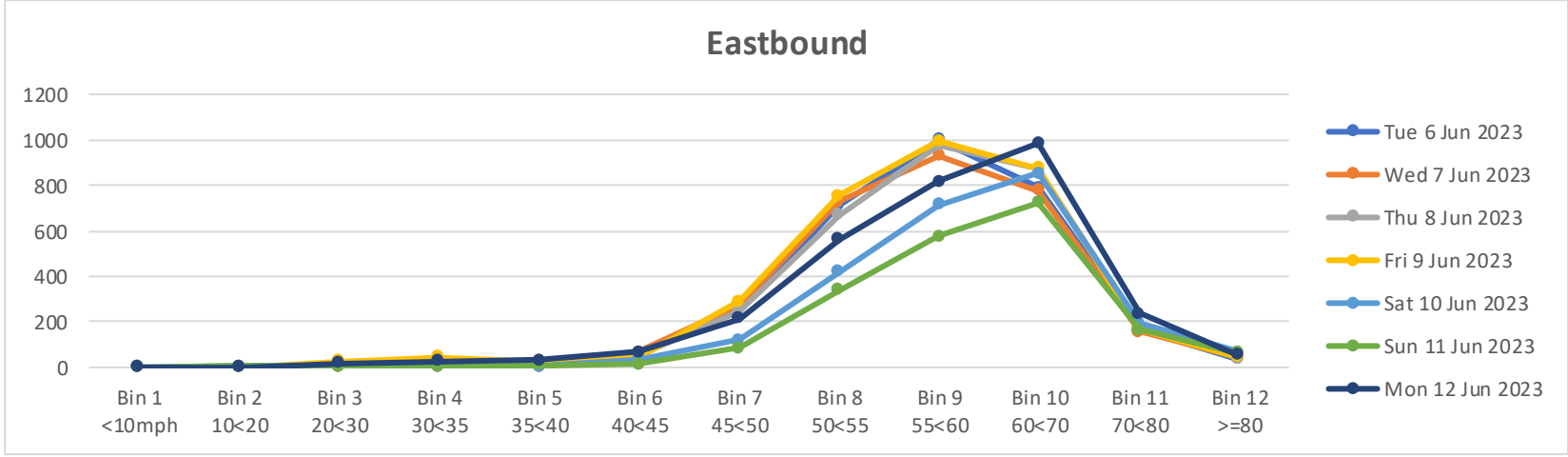
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Direction: Eastbound

	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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	3036	66.5	58.2	8.0	0	0	8	8	6	66	249	711	998	789	164	37
Wed 7 Jun 2023	3009	66.6	58.1	8.1	1	0	0	4	19	67	278	729	929	779	157	46
Thu 8 Jun 2023	3057	67.0	58.7	8.0	0	0	6	11	3	48	250	672	976	871	181	39
Fri 9 Jun 2023	3279	67.0	57.7	9.0	0	1	29	44	29	47	289	755	995	876	171	43
Sat 10 Jun 2023	2434	69.6	60.5	8.8	0	3	9	3	5	37	122	421	716	855	196	67
Sun 11 Jun 2023	1997	69.9	60.8	8.8	0	3	4	7	11	16	86	341	578	723	167	61
Mon 12 Jun 2023	3012	68.9	59.2	9.3	0	1	18	26	31	67	213	564	815	985	238	54
5 Day Ave.	3079	67.2	58.4	8.5	0	0	12	19	18	59	256	686	943	860	182	44
7 Day Ave.	2832	67.9	59.0	8.6	0	1	11	15	15	50	212	599	858	840	182	50

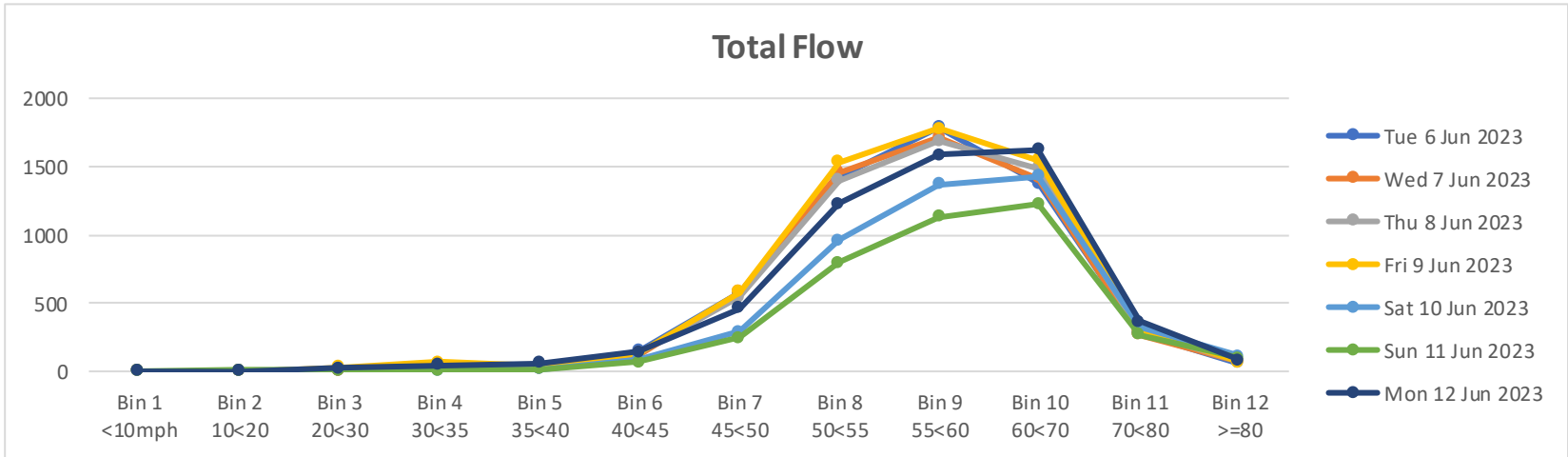
Paul Castle Associates



Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	5693	65.9	57.6	8.0	0	0	11	16	17	149	572	1426	1785	1378	281	58
Wed 7 Jun 2023	5666	66.0	57.7	8.0	1	1	0	16	34	115	579	1457	1713	1412	265	73
Thu 8 Jun 2023	5686	66.5	57.9	8.3	0	2	16	22	20	133	547	1399	1688	1485	302	72
Fri 9 Jun 2023	6085	66.4	57.5	8.7	0	1	34	68	45	124	581	1532	1781	1545	304	70
Sat 10 Jun 2023	4610	68.5	59.5	8.7	0	4	16	9	14	88	293	959	1370	1426	321	110
Sun 11 Jun 2023	3860	68.6	59.6	8.7	1	5	7	11	13	66	245	796	1131	1226	265	94
Mon 12 Jun 2023	5619	67.6	58.3	9.0	0	3	23	46	60	143	464	1227	1588	1621	363	81
5 Day Ave.	5750	66.5	57.8	8.4	0	1	17	34	35	133	549	1408	1711	1488	303	71
7 Day Ave.	5317	67.1	58.3	8.5	0	2	15	27	29	117	469	1257	1579	1442	300	80

Paul Castle Associates



Tween Bridge ATC 18, A18

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	275	64.0	55.7	8.0	0	0	0	2	2	14	39	83	73	47	15	0
Wed 7 Jun 2023	303	63.0	55.5	7.2	0	0	0	0	3	10	42	107	81	51	7	2
Thu 8 Jun 2023	266	62.9	54.5	8.1	0	0	1	5	2	13	45	83	67	45	2	3
Fri 9 Jun 2023	339	63.5	55.2	8.0	0	0	1	5	3	16	44	109	91	59	9	2
Sat 10 Jun 2023	382	65.5	57.7	7.6	0	0	1	0	0	6	36	99	131	91	12	6
Sun 11 Jun 2023	347	66.2	57.8	8.2	0	0	0	0	1	13	36	86	101	88	17	5
Mon 12 Jun 2023	259	64.8	55.5	8.9	0	0	3	3	2	12	35	77	64	52	8	3
5 Day Ave.	288	63.6	55.3	8.1	0	0	1	3	2	13	41	92	75	51	8	2
7 Day Ave.	310	64.3	56.0	8.0	0	0	1	2	2	12	40	92	87	62	10	3

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	318	66.5	56.8	9.4	0	0	8	4	4	5	28	75	87	95	10	2
Wed 7 Jun 2023	319	64.3	56.3	7.8	0	0	0	4	0	11	28	115	87	60	11	3
Thu 8 Jun 2023	310	65.5	56.6	8.6	0	0	1	1	2	16	36	86	87	64	11	6
Fri 9 Jun 2023	353	64.9	56.7	7.9	0	0	0	0	5	13	44	86	109	81	12	3
Sat 10 Jun 2023	451	67.8	59.5	8.0	0	0	0	0	0	11	22	93	157	124	37	7
Sun 11 Jun 2023	350	68.6	60.7	7.6	0	0	0	0	0	0	18	67	101	130	28	6
Mon 12 Jun 2023	300	67.0	58.5	8.2	0	0	2	0	1	8	21	64	98	86	17	3
5 Day Ave.	320	65.6	57.0	8.4	0	0	2	2	2	11	31	85	94	77	12	3
7 Day Ave.	343	66.4	57.9	8.2	0	0	2	1	2	9	28	84	104	91	18	4

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	593	65.4	56.3	8.8	0	0	8	6	6	19	67	158	160	142	25	2
Wed 7 Jun 2023	622	63.7	55.9	7.5	0	0	0	4	3	21	70	222	168	111	18	5
Thu 8 Jun 2023	576	64.4	55.6	8.5	0	0	2	6	4	29	81	169	154	109	13	9
Fri 9 Jun 2023	692	64.3	56.0	8.0	0	0	1	5	8	29	88	195	200	140	21	5
Sat 10 Jun 2023	833	66.8	58.7	7.8	0	0	1	0	0	17	58	192	288	215	49	13
Sun 11 Jun 2023	697	67.5	59.2	8.0	0	0	0	0	1	13	54	153	202	218	45	11
Mon 12 Jun 2023	559	66.1	57.1	8.7	0	0	5	3	3	20	56	141	162	138	25	6
5 Day Ave.	608	64.8	56.2	8.3	0	0	3	5	5	24	72	177	169	128	20	5
7 Day Ave.	653	65.4	57.0	8.2	0	0	2	3	4	21	68	176	191	153	28	7

Paul Castle Associates

Tween Bridge ATC 18, A18

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	399	63.7	54.9	8.5	0	0	1	3	3	29	73	108	103	59	17	3
Wed 7 Jun 2023	352	63.6	55.4	8.0	0	0	0	7	3	10	49	119	85	68	9	2
Thu 8 Jun 2023	378	64.7	56.0	8.4	0	1	4	1	1	11	49	113	104	82	8	4
Fri 9 Jun 2023	466	64.0	55.7	8.1	0	0	0	11	4	11	54	162	117	87	19	1
Sat 10 Jun 2023	309	66.9	58.2	8.4	0	0	1	0	4	7	22	83	84	84	21	3
Sun 11 Jun 2023	290	66.9	57.6	8.9	1	1	0	0	0	11	21	79	91	65	16	5
Mon 12 Jun 2023	383	64.2	55.4	8.4	0	1	1	3	9	20	41	101	130	61	14	2
5 Day Ave.	396	64.0	55.5	8.3	0	0	1	5	4	16	53	121	108	71	13	2
7 Day Ave.	368	64.9	56.2	8.4	0	0	1	4	3	14	44	109	102	72	15	3

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	402	64.4	57.4	6.7	0	0	0	0	0	4	34	131	116	105	10	2
Wed 7 Jun 2023	382	66.3	57.6	8.4	1	0	0	0	10	9	28	88	128	96	19	3
Thu 8 Jun 2023	478	65.7	57.6	7.8	0	0	1	0	0	7	72	103	147	119	26	3
Fri 9 Jun 2023	483	66.0	56.2	9.5	0	0	0	21	10	10	28	158	134	93	20	9
Sat 10 Jun 2023	370	68.9	60.2	8.4	0	0	0	0	0	10	21	64	113	124	29	9
Sun 11 Jun 2023	334	69.8	60.1	9.4	0	1	2	0	5	4	10	68	100	107	26	11
Mon 12 Jun 2023	446	67.9	58.8	8.8	0	0	4	1	8	9	22	91	129	154	21	7
5 Day Ave.	438	66.1	57.5	8.2	0	0	1	4	6	8	37	114	131	113	19	5
7 Day Ave.	414	67.0	58.3	8.4	0	0	1	3	5	8	31	100	124	114	22	6

Paul Castle Associates

Direction: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
Tue 6 Jun 2023	801	64.2	56.1	7.7	0	0	1	3	3	33	107	239	219	164	27	5
Wed 7 Jun 2023	734	65.1	56.5	8.3	1	0	0	7	13	19	77	207	213	164	28	5
Thu 8 Jun 2023	856	65.3	56.9	8.1	0	1	5	1	1	18	121	216	251	201	34	7
Fri 9 Jun 2023	949	65.1	55.9	8.8	0	0	0	32	14	21	82	320	251	180	39	10
Sat 10 Jun 2023	679	68.1	59.3	8.4	0	0	1	0	4	17	43	147	197	208	50	12
Sun 11 Jun 2023	624	68.6	58.9	9.3	1	2	2	0	5	15	31	147	191	172	42	16
Mon 12 Jun 2023	829	66.3	57.3	8.8	0	1	5	4	17	29	63	192	259	215	35	9
5 Day Ave.	834	65.2	56.5	8.3	0	0	2	9	10	24	90	235	239	185	33	7
7 Day Ave.	782	66.1	57.3	8.5	0	1	2	7	8	22	75	210	226	186	36	9

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

06/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	1	1	0	0	0
02:00	4	3	1	0	0
03:00	7	5	1	1	0
04:00	21	16	4	0	1
05:00	80	74	4	2	0
06:00	140	113	20	4	3
07:00	251	210	35	3	3
08:00	258	220	31	6	1
09:00	164	121	33	7	3
10:00	122	89	25	7	1
11:00	153	122	27	1	3
12:00	155	115	25	11	4
13:00	139	99	28	7	5
14:00	185	146	27	11	1
15:00	214	171	31	11	1
16:00	196	166	25	3	2
17:00	224	195	20	8	1
18:00	129	116	8	5	0
19:00	73	59	12	2	0
20:00	57	52	4	0	1
21:00	50	46	4	0	0
22:00	22	20	1	1	0
23:00	9	6	2	0	1
Total					
12H(7-19)	2190	1770	315	80	25
16H(6-22)	2510	2040	355	86	29
18H(6-24)	2541	2066	358	87	30
24H(0-24)	2657	2168	368	90	31
AM Peak	08:00 258	08:00 220	07:00 35	09:00 7	06:00 3
PM Peak	17:00 224	17:00 195	15:00 31	12:00 11	13:00 5

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	0	0	1
01:00	2	1	1	0	0
02:00	6	5	1	0	0
03:00	9	6	0	2	1
04:00	14	10	2	1	1
05:00	76	65	9	2	0
06:00	127	92	27	6	2
07:00	253	190	54	5	4
08:00	235	169	63	3	0
09:00	182	135	39	4	4
10:00	153	121	25	4	3
11:00	165	116	43	3	3
12:00	176	127	42	6	1
13:00	195	151	39	1	4
14:00	182	147	32	2	1
15:00	220	171	46	2	1
16:00	267	213	48	4	2
17:00	298	241	50	5	2
18:00	192	164	26	1	1
19:00	120	99	20	0	1
20:00	69	45	21	3	0
21:00	46	35	10	0	1
22:00	33	25	7	1	0
23:00	9	8	1	0	0
Total					
12H(7-19)	2518	1945	507	40	26
16H(6-22)	2880	2216	585	49	30
18H(6-24)	2922	2249	593	50	30
24H(0-24)	3036	2342	606	55	33
AM Peak	07:00 253	07:00 190	08:00 63	06:00 6	07:00 4
PM Peak	17:00 298	17:00 241	17:00 50	12:00 6	13:00 4

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	9	0	0	1
01:00	3	2	1	0	0
02:00	10	8	2	0	0
03:00	16	11	1	3	1
04:00	35	26	6	1	2
05:00	156	139	13	4	0
06:00	267	205	47	10	5
07:00	504	400	89	8	7
08:00	493	389	94	9	1
09:00	346	256	72	11	7
10:00	275	210	50	11	4
11:00	318	238	70	4	6
12:00	331	242	67	17	5
13:00	334	250	67	8	9
14:00	367	293	59	13	2
15:00	434	342	77	13	2
16:00	463	379	73	7	4
17:00	522	436	70	13	3
18:00	321	280	34	6	1
19:00	193	158	32	2	1
20:00	126	97	25	3	1
21:00	96	81	14	0	1
22:00	55	45	8	2	0
23:00	18	14	3	0	1
Total					
12H(7-19)	4708	3715	822	120	51
16H(6-22)	5390	4256	940	135	59
18H(6-24)	5463	4315	951	137	60
24H(0-24)	5693	4510	974	145	64
AM Peak	07:00 504	07:00 400	08:00 94	09:00 11	07:00 7
PM Peak	17:00 522	17:00 436	15:00 77	12:00 17	13:00 9

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

07/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	2	2	0	0	0
01:00	3	3	0	0	0
02:00	3	3	0	0	0
03:00	6	5	1	0	0
04:00	19	18	1	0	0
05:00	76	65	7	4	0
06:00	138	109	26	2	1
07:00	244	209	25	8	2
08:00	219	187	25	7	0
09:00	148	123	22	3	0
10:00	157	124	26	6	1
11:00	146	114	25	4	3
12:00	165	129	29	2	5
13:00	139	104	29	6	0
14:00	167	135	25	6	1
15:00	185	139	34	8	4
16:00	223	196	16	9	2
17:00	225	196	22	5	2
18:00	176	149	20	7	0
19:00	81	74	5	2	0
20:00	66	56	8	1	1
21:00	33	27	5	1	0
22:00	27	25	2	0	0
23:00	9	6	3	0	0
Total					
12H(7-19)	2194	1805	298	71	20
16H(6-22)	2512	2071	342	77	22
18H(6-24)	2548	2102	347	77	22
24H(0-24)	2657	2198	356	81	22
AM Peak	07:00 244	07:00 209	06:00 26	07:00 8	11:00 3
PM Peak	17:00 225	16:00 196	15:00 34	16:00 9	12:00 5

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	12	0	0	0
01:00	2	1	1	0	0
02:00	6	4	1	1	0
03:00	8	4	1	3	0
04:00	17	13	1	2	1
05:00	74	60	7	7	0
06:00	104	84	14	5	1
07:00	252	197	51	1	3
08:00	234	176	52	2	4
09:00	175	123	41	7	4
10:00	155	113	28	8	6
11:00	164	121	36	5	2
12:00	166	124	38	3	1
13:00	159	123	32	2	2
14:00	187	142	37	6	2
15:00	195	135	53	3	4
16:00	262	207	50	4	1
17:00	303	248	54	1	0
18:00	185	147	36	1	1
19:00	139	109	28	1	1
20:00	111	85	21	5	0
21:00	54	43	11	0	0
22:00	37	31	6	0	0
23:00	8	7	1	0	0
Total					
12H(7-19)	2437	1856	508	43	30
16H(6-22)	2845	2177	582	54	32
18H(6-24)	2890	2215	589	54	32
24H(0-24)	3009	2309	600	67	33
AM Peak	07:00 252	07:00 197	08:00 52	10:00 8	10:00 6
PM Peak	17:00 303	17:00 248	17:00 54	14:00 6	15:00 4

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	14	0	0	0
01:00	5	4	1	0	0
02:00	9	7	1	1	0
03:00	14	9	2	3	0
04:00	36	31	2	2	1
05:00	150	125	14	11	0
06:00	242	193	40	7	2
07:00	496	406	76	9	5
08:00	453	363	77	9	4
09:00	323	246	63	10	4
10:00	312	237	54	14	7
11:00	310	235	61	9	5
12:00	331	253	67	5	6
13:00	298	227	61	8	2
14:00	354	277	62	12	3
15:00	380	274	87	11	8
16:00	485	403	66	13	3
17:00	528	444	76	6	2
18:00	361	296	56	8	1
19:00	220	183	33	3	1
20:00	177	141	29	6	1
21:00	87	70	16	1	0
22:00	64	56	8	0	0
23:00	17	13	4	0	0
Total					
12H(7-19)	4631	3661	806	114	50
16H(6-22)	5357	4248	924	131	54
18H(6-24)	5438	4317	936	131	54
24H(0-24)	5666	4507	956	148	55
AM Peak	07:00 496	07:00 406	08:00 77	10:00 14	10:00 7
PM Peak	17:00 528	17:00 444	15:00 87	16:00 13	15:00 8

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

08/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	3	3	0	0	0
01:00	3	3	0	0	0
02:00	4	4	0	0	0
03:00	6	4	2	0	0
04:00	19	18	1	0	0
05:00	77	68	8	1	0
06:00	129	103	20	3	3
07:00	264	218	37	5	4
08:00	233	198	28	6	1
09:00	158	127	25	3	3
10:00	121	89	22	6	4
11:00	145	117	23	3	2
12:00	139	111	20	5	3
13:00	143	114	22	5	2
14:00	194	150	34	8	2
15:00	184	148	27	8	1
16:00	256	214	29	10	3
17:00	208	190	10	6	2
18:00	128	115	7	6	0
19:00	76	65	10	1	0
20:00	50	42	6	2	0
21:00	37	33	3	1	0
22:00	35	35	0	0	0
23:00	17	13	3	0	1
Total					
12H(7-19)	2173	1791	284	71	27
16H(6-22)	2465	2034	323	78	30
18H(6-24)	2517	2082	326	78	31
24H(0-24)	2629	2182	337	79	31
AM Peak	07:00 264	07:00 218	07:00 37	08:00 6	07:00 4
PM Peak	16:00 256	16:00 214	14:00 34	16:00 10	12:00 3

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	12	10	1	0	1
01:00	7	6	1	0	0
02:00	7	4	3	0	0
03:00	8	5	1	1	1
04:00	22	14	2	6	0
05:00	75	66	7	2	0
06:00	107	77	23	5	2
07:00	228	190	36	0	2
08:00	225	163	53	3	6
09:00	154	107	40	5	2
10:00	160	110	39	8	3
11:00	150	112	32	2	4
12:00	140	103	33	2	2
13:00	199	155	37	3	4
14:00	220	170	46	3	1
15:00	258	205	46	4	3
16:00	269	210	54	2	3
17:00	283	234	46	2	1
18:00	187	159	28	0	0
19:00	141	116	25	0	0
20:00	87	65	22	0	0
21:00	65	55	10	0	0
22:00	36	29	6	0	1
23:00	17	16	1	0	0
Total					
12H(7-19)	2473	1918	490	34	31
16H(6-22)	2873	2231	570	39	33
18H(6-24)	2926	2276	577	39	34
24H(0-24)	3057	2381	592	48	36
AM Peak	07:00 228	07:00 190	08:00 53	10:00 8	08:00 6
PM Peak	17:00 283	17:00 234	16:00 54	15:00 4	13:00 4

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	15	13	1	0	1
01:00	10	9	1	0	0
02:00	11	8	3	0	0
03:00	14	9	3	1	1
04:00	41	32	3	6	0
05:00	152	134	15	3	0
06:00	236	180	43	8	5
07:00	492	408	73	5	6
08:00	458	361	81	9	7
09:00	312	234	65	8	5
10:00	281	199	61	14	7
11:00	295	229	55	5	6
12:00	279	214	53	7	5
13:00	342	269	59	8	6
14:00	414	320	80	11	3
15:00	442	353	73	12	4
16:00	525	424	83	12	6
17:00	491	424	56	8	3
18:00	315	274	35	6	0
19:00	217	181	35	1	0
20:00	137	107	28	2	0
21:00	102	88	13	1	0
22:00	71	64	6	0	1
23:00	34	29	4	0	1
Total					
12H(7-19)	4646	3709	774	105	58
16H(6-22)	5338	4265	893	117	63
18H(6-24)	5443	4358	903	117	65
24H(0-24)	5686	4563	929	127	67
AM Peak	07:00 492	07:00 408	08:00 81	10:00 14	08:00 7
PM Peak	16:00 525	16:00 424	16:00 83	15:00 12	13:00 6

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

09/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	8	7	1	0	0
01:00	5	5	0	0	0
02:00	4	4	0	0	0
03:00	4	4	0	0	0
04:00	23	19	4	0	0
05:00	78	63	11	4	0
06:00	121	93	23	3	2
07:00	236	204	25	4	3
08:00	220	181	34	4	1
09:00	132	101	24	5	2
10:00	164	125	31	6	2
11:00	175	134	27	10	4
12:00	176	141	23	10	2
13:00	168	130	24	12	2
14:00	210	167	33	8	2
15:00	256	205	33	17	1
16:00	247	210	29	7	1
17:00	205	190	13	0	2
18:00	132	123	8	1	0
19:00	85	77	8	0	0
20:00	57	52	4	0	1
21:00	57	50	7	0	0
22:00	28	24	4	0	0
23:00	15	10	5	0	0
Total					
12H(7-19)	2321	1911	304	84	22
16H(6-22)	2641	2183	346	87	25
18H(6-24)	2684	2217	355	87	25
24H(0-24)	2806	2319	371	91	25
AM Peak	07:00	07:00	08:00	11:00	11:00
	236	204	34	10	4
PM Peak	15:00	16:00	14:00	15:00	12:00
	256	210	33	17	2

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	10	8	1	1	0
01:00	6	4	2	0	0
02:00	6	5	1	0	0
03:00	19	13	4	2	0
04:00	29	23	3	3	0
05:00	72	58	9	4	1
06:00	92	74	14	1	3
07:00	257	190	58	5	4
08:00	226	179	42	3	2
09:00	165	130	31	4	0
10:00	158	125	28	2	3
11:00	195	145	41	8	1
12:00	180	144	33	1	2
13:00	208	161	45	1	1
14:00	247	204	41	2	0
15:00	236	185	49	0	2
16:00	319	267	49	3	0
17:00	300	254	44	1	1
18:00	217	185	28	1	3
19:00	115	89	25	0	1
20:00	88	73	12	1	2
21:00	70	54	15	0	1
22:00	44	36	6	1	1
23:00	20	17	3	0	0
Total					
12H(7-19)	2708	2169	489	31	19
16H(6-22)	3073	2459	555	33	26
18H(6-24)	3137	2512	564	34	27
24H(0-24)	3279	2623	584	44	28
AM Peak	07:00	07:00	07:00	11:00	07:00
	257	190	58	8	4
PM Peak	16:00	16:00	15:00	16:00	18:00
	319	267	49	3	3

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	18	15	2	1	0
01:00	11	9	2	0	0
02:00	10	9	1	0	0
03:00	23	17	4	2	0
04:00	52	42	7	3	0
05:00	150	121	20	8	1
06:00	213	167	37	4	5
07:00	493	394	83	9	7
08:00	446	360	76	7	3
09:00	297	231	55	9	2
10:00	322	250	59	8	5
11:00	370	279	68	18	5
12:00	356	285	56	11	4
13:00	376	291	69	13	3
14:00	457	371	74	10	2
15:00	492	390	82	17	3
16:00	566	477	78	10	1
17:00	505	444	57	1	3
18:00	349	308	36	2	3
19:00	200	166	33	0	1
20:00	145	125	16	1	3
21:00	127	104	22	0	1
22:00	72	60	10	1	1
23:00	35	27	8	0	0
Total					
12H(7-19)	5029	4080	793	115	41
16H(6-22)	5714	4642	901	120	51
18H(6-24)	5821	4729	919	121	52
24H(0-24)	6085	4942	955	135	53
AM Peak	07:00	07:00	07:00	11:00	07:00
	493	394	83	18	7
PM Peak	16:00	16:00	15:00	15:00	12:00
	566	477	82	17	4

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound					
10/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	11	11	0	0	0
01:00	3	3	0	0	0
02:00	3	3	0	0	0
03:00	5	4	1	0	0
04:00	6	6	0	0	0
05:00	32	29	2	1	0
06:00	51	42	8	0	1
07:00	107	90	15	1	1
08:00	139	117	21	1	0
09:00	170	153	15	1	1
10:00	189	170	18	1	0
11:00	193	181	11	0	1
12:00	188	171	15	1	1
13:00	172	157	14	1	0
14:00	159	147	12	0	0
15:00	150	135	13	1	1
16:00	155	149	6	0	0
17:00	117	105	11	0	1
18:00	95	88	7	0	0
19:00	86	76	10	0	0
20:00	46	43	3	0	0
21:00	48	42	5	1	0
22:00	36	35	1	0	0
23:00	15	14	1	0	0
Total					
12H(7-19)	1834	1663	158	7	6
16H(6-22)	2065	1866	184	8	7
18H(6-24)	2116	1915	186	8	7
24H(0-24)	2176	1971	189	9	7
AM Peak	11:00 193	11:00 181	08:00 21	05:00 1	06:00 1
PM Peak	12:00 188	12:00 171	12:00 15	12:00 1	12:00 1

Paul Castle Associates

Direction: Eastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	16	1	0	0
01:00	12	6	6	0	0
02:00	6	5	0	0	1
03:00	3	1	1	1	0
04:00	8	7	1	0	0
05:00	31	28	2	1	0
06:00	39	31	7	0	1
07:00	70	53	15	0	2
08:00	131	113	17	1	0
09:00	176	147	28	1	0
10:00	228	195	31	1	1
11:00	223	189	33	1	0
12:00	189	165	23	0	1
13:00	178	160	18	0	0
14:00	192	165	26	1	0
15:00	178	138	38	1	1
16:00	182	144	37	0	1
17:00	171	138	33	0	0
18:00	112	96	16	0	0
19:00	99	87	12	0	0
20:00	74	60	13	0	1
21:00	51	45	5	1	0
22:00	39	32	7	0	0
23:00	25	23	2	0	0
Total					
12H(7-19)	2030	1703	315	6	6
16H(6-22)	2293	1926	352	7	8
18H(6-24)	2357	1981	361	7	8
24H(0-24)	2434	2044	372	9	9
AM Peak	10:00 228	10:00 195	11:00 33	03:00 1	07:00 2
PM Peak	14:00 192	12:00 165	15:00 38	14:00 1	12:00 1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	28	27	1	0	0
01:00	15	9	6	0	0
02:00	9	8	0	0	1
03:00	8	5	2	1	0
04:00	14	13	1	0	0
05:00	63	57	4	2	0
06:00	90	73	15	0	2
07:00	177	143	30	1	3
08:00	270	230	38	2	0
09:00	346	300	43	2	1
10:00	417	365	49	2	1
11:00	416	370	44	1	1
12:00	377	336	38	1	2
13:00	350	317	32	1	0
14:00	351	312	38	1	0
15:00	328	273	51	2	2
16:00	337	293	43	0	1
17:00	288	243	44	0	1
18:00	207	184	23	0	0
19:00	185	163	22	0	0
20:00	120	103	16	0	1
21:00	99	87	10	2	0
22:00	75	67	8	0	0
23:00	40	37	3	0	0
Total					
12H(7-19)	3864	3366	473	13	12
16H(6-22)	4358	3792	536	15	15
18H(6-24)	4473	3896	547	15	15
24H(0-24)	4610	4015	561	18	16
AM Peak	10:00 417	11:00 370	10:00 49	05:00 2	07:00 3
PM Peak	12:00 377	12:00 336	15:00 51	15:00 2	12:00 2

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

11/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	1	0	0
01:00	4	4	0	0	0
02:00	2	1	1	0	0
03:00	1	1	0	0	0
04:00	1	1	0	0	0
05:00	16	16	0	0	0
06:00	33	29	4	0	0
07:00	65	51	13	0	1
08:00	71	61	10	0	0
09:00	133	124	9	0	0
10:00	158	142	14	2	0
11:00	189	169	18	2	0
12:00	148	138	10	0	0
13:00	181	167	11	3	0
14:00	150	134	14	1	1
15:00	140	134	6	0	0
16:00	137	130	7	0	0
17:00	112	104	8	0	0
18:00	123	117	6	0	0
19:00	89	76	12	1	0
20:00	48	44	3	1	0
21:00	32	28	4	0	0
22:00	15	14	1	0	0
23:00	8	7	1	0	0
Total					
12H(7-19)	1607	1471	126	8	2
16H(6-22)	1809	1648	149	10	2
18H(6-24)	1832	1669	151	10	2
24H(0-24)	1863	1698	153	10	2
AM Peak	11:00 189	11:00 169	11:00 18	10:00 2	07:00 1
PM Peak	13:00 181	13:00 167	14:00 14	13:00 3	14:00 1

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	17	15	2	0	0
01:00	9	8	1	0	0
02:00	4	3	1	0	0
03:00	6	6	0	0	0
04:00	7	5	1	1	0
05:00	15	13	2	0	0
06:00	27	26	1	0	0
07:00	43	38	5	0	0
08:00	54	45	9	0	0
09:00	121	104	17	0	0
10:00	171	146	25	0	0
11:00	179	133	44	1	1
12:00	165	145	20	0	0
13:00	186	150	34	0	2
14:00	158	128	29	0	1
15:00	176	146	28	1	1
16:00	176	152	23	1	0
17:00	142	120	21	0	1
18:00	122	100	20	1	1
19:00	75	65	10	0	0
20:00	56	45	10	0	1
21:00	49	37	12	0	0
22:00	31	25	6	0	0
23:00	8	6	1	0	1
Total					
12H(7-19)	1693	1407	275	4	7
16H(6-22)	1900	1580	308	4	8
18H(6-24)	1939	1611	315	4	9
24H(0-24)	1997	1661	322	5	9
AM Peak	11:00 179	10:00 146	11:00 44	04:00 1	11:00 1
PM Peak	13:00 186	16:00 152	13:00 34	15:00 1	13:00 2

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	24	21	3	0	0
01:00	13	12	1	0	0
02:00	6	4	2	0	0
03:00	7	7	0	0	0
04:00	8	6	1	1	0
05:00	31	29	2	0	0
06:00	60	55	5	0	0
07:00	108	89	18	0	1
08:00	125	106	19	0	0
09:00	254	228	26	0	0
10:00	329	288	39	2	0
11:00	368	302	62	3	1
12:00	313	283	30	0	0
13:00	367	317	45	3	2
14:00	308	262	43	1	2
15:00	316	280	34	1	1
16:00	313	282	30	1	0
17:00	254	224	29	0	1
18:00	245	217	26	1	1
19:00	164	141	22	1	0
20:00	104	89	13	1	1
21:00	81	65	16	0	0
22:00	46	39	7	0	0
23:00	16	13	2	0	1
Total					
12H(7-19)	3300	2878	401	12	9
16H(6-22)	3709	3228	457	14	10
18H(6-24)	3771	3280	466	14	11
24H(0-24)	3860	3359	475	15	11
AM Peak	11:00 368	11:00 302	11:00 62	11:00 3	07:00 1
PM Peak	13:00 367	13:00 317	13:00 45	13:00 3	13:00 2

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

12/06/2023					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	6	0	1	0
01:00	4	2	2	0	0
02:00	6	6	0	0	0
03:00	11	10	1	0	0
04:00	18	17	1	0	0
05:00	74	60	13	1	0
06:00	118	94	21	2	1
07:00	247	216	27	2	2
08:00	226	189	28	9	0
09:00	147	111	30	5	1
10:00	107	72	28	6	1
11:00	152	110	34	6	2
12:00	129	100	22	3	4
13:00	156	125	26	5	0
14:00	188	149	29	8	2
15:00	195	146	33	13	3
16:00	259	217	32	6	4
17:00	213	181	26	6	0
18:00	128	117	9	2	0
19:00	86	73	11	2	0
20:00	50	42	5	3	0
21:00	48	41	5	2	0
22:00	24	22	1	1	0
23:00	14	13	0	1	0
Total					
12H(7-19)	2147	1733	324	71	19
16H(6-22)	2449	1983	366	80	20
18H(6-24)	2487	2018	367	82	20
24H(0-24)	2607	2119	384	84	20
AM Peak	07:00 247	07:00 216	11:00 34	08:00 9	07:00 2
PM Peak	16:00 259	16:00 217	15:00 33	15:00 13	12:00 4

Paul Castle Associates

Direction: Eastbound

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	7	7	0	0	0
01:00	4	2	2	0	0
02:00	7	7	0	0	0
03:00	8	6	2	0	0
04:00	16	9	2	5	0
05:00	72	60	8	3	1
06:00	109	80	22	6	1
07:00	263	200	57	4	2
08:00	255	194	49	7	5
09:00	183	141	38	2	2
10:00	148	100	40	6	2
11:00	152	95	52	4	1
12:00	180	141	36	1	2
13:00	194	149	40	3	2
14:00	207	154	45	4	4
15:00	239	170	66	1	2
16:00	259	198	55	1	5
17:00	304	240	59	1	4
18:00	134	105	28	0	1
19:00	104	71	32	0	1
20:00	81	59	21	0	1
21:00	43	40	3	0	0
22:00	31	27	4	0	0
23:00	12	10	2	0	0
Total					
12H(7-19)	2518	1887	565	34	32
16H(6-22)	2855	2137	643	40	35
18H(6-24)	2898	2174	649	40	35
24H(0-24)	3012	2265	663	48	36
AM Peak	07:00 263	07:00 200	07:00 57	08:00 7	08:00 5
PM Peak	17:00 304	17:00 240	15:00 66	14:00 4	16:00 5

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	14	13	0	1	0
01:00	8	4	4	0	0
02:00	13	13	0	0	0
03:00	19	16	3	0	0
04:00	34	26	3	5	0
05:00	146	120	21	4	1
06:00	227	174	43	8	2
07:00	510	416	84	6	4
08:00	481	383	77	16	5
09:00	330	252	68	7	3
10:00	255	172	68	12	3
11:00	304	205	86	10	3
12:00	309	241	58	4	6
13:00	350	274	66	8	2
14:00	395	303	74	12	6
15:00	434	316	99	14	5
16:00	518	415	87	7	9
17:00	517	421	85	7	4
18:00	262	222	37	2	1
19:00	190	144	43	2	1
20:00	131	101	26	3	1
21:00	91	81	8	2	0
22:00	55	49	5	1	0
23:00	26	23	2	1	0
Total					
12H(7-19)	4665	3620	889	105	51
16H(6-22)	5304	4120	1009	120	55
18H(6-24)	5385	4192	1016	122	55
24H(0-24)	5619	4384	1047	132	56
AM Peak	07:00 510	07:00 416	11:00 86	08:00 16	08:00 5
PM Peak	16:00 518	17:00 421	15:00 99	15:00 14	16:00 9

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

06/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	3	67.0	62.5	4.3	0	0	0	0	0	0	0	0	1	2	0	0
01:00	1	-	65.0	-	0	0	0	0	0	0	0	0	0	1	0	0
02:00	4	63.4	55.6	7.5	0	0	0	0	0	0	1	1	1	1	0	0
03:00	7	65.2	60.0	5.0	0	0	0	0	0	0	0	1	3	3	0	0
04:00	21	71.4	60.8	10.2	0	0	0	0	0	1	1	3	8	4	3	1
05:00	80	68.3	60.0	8.0	0	0	0	0	0	1	5	17	22	27	7	1
06:00	140	65.7	57.9	7.5	0	0	0	0	0	2	14	38	43	36	5	2
07:00	251	65.6	58.0	7.3	0	0	0	0	1	2	23	71	71	71	10	2
08:00	258	64.8	57.0	7.6	0	0	1	2	0	2	34	66	82	61	9	1
09:00	164	63.8	55.8	7.7	0	0	0	0	0	8	26	53	38	32	6	1
10:00	122	64.3	56.1	7.9	0	0	0	1	0	5	18	36	33	22	7	0
11:00	153	63.8	55.4	8.1	0	0	0	1	2	9	21	47	40	25	8	0
12:00	155	63.4	55.2	7.9	0	0	0	0	2	8	27	49	34	31	2	2
13:00	139	64.8	55.8	8.6	0	0	0	0	3	3	27	41	35	20	8	2
14:00	185	63.9	55.5	8.1	0	0	0	0	2	14	29	49	50	31	10	0
15:00	214	63.5	54.4	8.8	0	0	1	3	1	15	44	59	53	28	7	3
16:00	196	65.0	58.3	6.5	0	0	0	0	0	2	10	46	81	49	7	1
17:00	224	64.1	57.3	6.5	0	0	1	0	0	5	16	51	93	55	2	1
18:00	129	68.1	59.3	8.5	0	0	0	0	0	4	12	29	30	39	15	0
19:00	73	67.5	58.8	8.3	0	0	0	0	0	1	6	19	22	19	4	2
20:00	57	66.6	58.9	7.4	0	0	0	0	0	0	4	15	17	18	2	1
21:00	50	67.8	59.0	8.6	0	0	0	0	0	1	4	11	19	9	5	1
22:00	22	63.8	56.3	7.3	0	0	0	1	0	0	1	6	9	5	0	0
23:00	9	55.9	53.6	2.2	0	0	0	0	0	0	0	7	2	0	0	0
Total																
2H(10-12)	275	64.0	55.7	8.0	0	0	0	2	2	14	39	83	73	47	15	0
2H(14-16)	399	63.7	54.9	8.5	0	0	1	3	3	29	73	108	103	59	17	3
12H(7-19)	2190	64.7	56.6	7.8	0	0	3	7	11	77	287	597	640	464	91	13
24H(0-24)	2657	65.1	56.9	7.9	0	0	3	8	11	83	323	715	787	589	117	21
AM Peak	08:00	04:00	01:00	04:00	00:00	00:00	08:00	08:00	11:00	11:00	08:00	07:00	08:00	07:00	07:00	06:00
	258	71.4	65.0	10.2	0	0	1	2	2	9	34	71	82	71	10	2
PM Peak	17:00	18:00	18:00	15:00	12:00	12:00	15:00	15:00	13:00	15:00	15:00	15:00	17:00	17:00	18:00	15:00
	224	68.1	59.3	8.8	0	0	1	3	3	15	44	59	93	55	15	3

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	7	77.6	66.4	10.8	0	0	0	0	0	0	0	1	1	3	1	1
01:00	2	77.3	70.0	7.1	0	0	0	0	0	0	0	0	0	1	1	0
02:00	6	77.3	65.8	11.0	0	0	0	0	0	0	0	2	0	1	3	0
03:00	9	60.8	54.4	6.1	0	0	0	0	0	1	0	4	3	1	0	0
04:00	14	73.0	59.6	12.9	0	0	0	1	0	0	2	2	3	2	4	0
05:00	76	70.1	59.6	10.2	0	0	0	0	0	8	6	7	21	25	6	3
06:00	127	69.0	60.0	8.7	0	0	0	0	0	1	10	23	48	28	13	4
07:00	253	64.9	58.3	6.4	0	0	0	0	0	0	16	61	103	62	10	1
08:00	235	64.8	57.5	7.0	0	0	0	0	0	2	24	66	79	52	11	1
09:00	182	63.4	55.6	7.5	0	0	0	0	0	16	23	47	54	38	3	1
10:00	153	64.9	57.6	7.0	0	0	0	0	0	2	15	45	42	44	4	1
11:00	165	67.5	56.0	11.1	0	0	8	4	4	3	13	30	45	51	6	1
12:00	176	66.1	58.7	7.2	0	0	0	0	0	2	11	36	74	43	7	3
13:00	195	63.4	55.2	7.9	0	0	0	3	0	10	38	51	45	43	5	0
14:00	182	65.1	58.3	6.5	0	0	0	0	0	0	12	54	52	59	4	1
15:00	220	63.7	56.6	6.8	0	0	0	0	0	4	22	77	64	46	6	1
16:00	267	65.1	58.0	6.9	0	0	0	0	1	5	11	70	110	56	12	2
17:00	298	67.5	60.0	7.3	0	0	0	0	0	6	14	40	117	98	20	3
18:00	192	69.3	60.5	8.5	0	0	0	0	0	0	13	45	48	62	19	5
19:00	120	71.2	61.5	9.4	0	0	0	0	1	0	6	22	37	34	14	6
20:00	69	68.6	59.4	8.9	0	0	0	0	0	3	5	9	29	15	6	2
21:00	46	68.2	59.8	8.1	0	0	0	0	0	0	3	13	11	13	6	0
22:00	33	69.5	59.3	9.8	0	0	0	0	0	2	4	5	8	10	3	1
23:00	9	63.5	55.8	7.4	0	0	0	0	0	1	1	1	4	2	0	0
Total																
2H(10-12)	318	66.5	56.8	9.4	0	0	8	4	4	5	28	75	87	95	10	2
2H(14-16)	402	64.4	57.4	6.7	0	0	0	0	0	4	34	131	116	105	10	2
12H(7-19)	2518	65.7	57.8	7.6	0	0	8	7	5	50	212	622	833	654	107	20
24H(0-24)	3036	66.5	58.2	8.0	0	0	8	8	6	66	249	711	998	789	164	37
AM Peak	07:00	00:00	01:00	04:00	00:00	00:00	11:00	11:00	11:00	09:00	08:00	08:00	07:00	07:00	06:00	06:00
	253	77.6	70.0	12.9	0	0	8	4	4	16	24	66	103	62	13	4
PM Peak	17:00	19:00	19:00	22:00	12:00	12:00	12:00	13:00	16:00	13:00	13:00	15:00	17:00	17:00	17:00	19:00
	298	71.2	61.5	9.8	0	0	0	3	1	10	38	77	117	98	20	6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	10	74.8	65.3	9.2	0	0	0	0	0	0	0	1	2	5	1	1
01:00	3	74.3	68.3	5.8	0	0	0	0	0	0	0	0	0	2	1	0
02:00	10	72.8	61.8	10.7	0	0	0	0	0	0	1	3	1	2	3	0
03:00	16	63.3	56.9	6.2	0	0	0	0	0	1	0	5	6	4	0	0
04:00	35	71.9	60.4	11.1	0	0	0	1	0	1	3	5	11	6	7	1
05:00	156	69.2	59.8	9.1	0	0	0	0	0	9	11	24	43	52	13	4
06:00	267	67.3	58.9	8.2	0	0	0	0	0	3	24	61	91	64	18	6
07:00	504	65.3	58.2	6.9	0	0	0	0	1	2	39	132	174	133	20	3
08:00	493	64.8	57.2	7.3	0	0	1	2	0	4	58	132	161	113	20	2
09:00	346	63.6	55.7	7.6	0	0	0	0	0	24	49	100	92	70	9	2
10:00	275	64.7	57.0	7.5	0	0	0	1	0	7	33	81	75	66	11	1
11:00	318	65.8	55.7	9.8	0	0	8	5	6	12	34	77	85	76	14	1
12:00	331	65.1	57.1	7.7	0	0	0	0	2	10	38	85	108	74	9	5
13:00	334	64.0	55.4	8.2	0	0	0	3	3	13	65	92	80	63	13	2
14:00	367	64.7	56.9	7.5	0	0	0	0	2	14	41	103	102	90	14	1
15:00	434	63.7	55.5	7.9	0	0	1	3	1	19	66	136	117	74	13	4
16:00	463	65.1	58.1	6.7	0	0	0	0	1	7	21	116	191	105	19	3
17:00	522	66.2	58.8	7.1	0	0	1	0	0	11	30	91	210	153	22	4
18:00	321	68.8	60.0	8.5	0	0	0	0	0	4	25	74	78	101	34	5
19:00	193	69.8	60.5	9.0	0	0	0	0	1	1	12	41	59	53	18	8
20:00	126	67.7	59.2	8.2	0	0	0	0	0	3	9	24	46	33	8	3
21:00	96	68.0	59.4	8.3	0	0	0	0	0	1	7	24	30	22	11	1
22:00	55	67.4	58.1	9.0	0	0	0	1	0	2	5	11	17	15	3	1
23:00	18	60.3	54.7	5.4	0	0	0	0	0	1	1	8	6	2	0	0
Total																
2H(10-12)	593	65.4	56.3	8.8	0	0	8	6	6	19	67	158	160	142	25	2
2H(14-16)	801	64.2	56.1	7.7	0	0	1	3	3	33	107	239	219	164	27	5
12H(7-19)	4708	65.3	57.2	7.8	0	0	11	14	16	127	499	1219	1473	1118	198	33
24H(0-24)	5693	65.9	57.6	8.0	0	0	11	16	17	149	572	1426	1785	1378	281	58
AM Peak	07:00 504	00:00 74.8	01:00 68.3	04:00 11.1	00:00 0	00:00 0	11:00 8	11:00 5	11:00 6	09:00 24	08:00 58	07:00 132	07:00 174	07:00 133	07:00 20	06:00 6
PM Peak	17:00 522	19:00 69.8	19:00 60.5	19:00 9.0	12:00 0	12:00 0	15:00 1	13:00 3	13:00 3	15:00 19	15:00 66	15:00 136	17:00 210	17:00 153	18:00 34	19:00 8

Tween Bridge ATC 18, A18

Direction: Westbound

07/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	2	92.6	68.8	23.0	0	0	0	0	0	0	0	1	0	0	0	1
01:00	3	65.0	65.0	0.0	0	0	0	0	0	0	0	0	0	3	0	0
02:00	3	64.9	58.3	6.3	0	0	0	0	0	0	0	1	1	1	0	0
03:00	6	63.2	55.4	7.5	0	0	0	0	0	1	0	1	3	1	0	0
04:00	19	67.8	59.6	7.9	0	0	0	0	0	0	1	6	4	6	2	0
05:00	76	67.4	59.1	8.0	0	0	0	0	0	0	6	20	23	21	4	2
06:00	138	67.0	58.2	8.5	0	1	0	0	0	1	21	23	40	43	9	0
07:00	244	65.4	57.8	7.3	0	0	0	0	0	9	18	55	89	64	6	3
08:00	219	66.6	57.6	8.7	0	0	0	3	2	1	31	49	61	59	9	4
09:00	148	61.9	55.5	6.2	0	0	0	1	0	1	19	60	39	26	2	0
10:00	157	62.5	55.2	7.1	0	0	0	0	2	4	22	62	40	22	4	1
11:00	146	63.5	55.9	7.3	0	0	0	0	1	6	20	45	41	29	3	1
12:00	165	62.1	55.2	6.7	0	0	0	0	3	3	22	55	59	19	3	1
13:00	139	66.3	57.7	8.3	0	0	0	0	1	2	18	42	30	35	10	1
14:00	167	63.8	54.7	8.8	0	0	0	6	3	7	24	51	40	30	5	1
15:00	185	63.3	56.0	7.1	0	0	0	1	0	3	25	68	45	38	4	1
16:00	223	65.1	58.2	6.6	0	0	0	0	0	0	13	65	79	55	10	1
17:00	225	66.2	58.8	7.1	0	0	0	0	0	0	16	53	82	61	10	3
18:00	176	67.8	58.2	9.2	0	0	0	0	3	4	29	32	39	55	10	4
19:00	81	70.7	61.3	9.1	0	0	0	0	0	0	8	12	23	25	10	3
20:00	66	66.6	59.1	7.3	0	0	0	0	0	1	5	14	19	23	4	0
21:00	33	65.2	57.0	7.8	0	0	0	0	0	3	2	6	14	6	2	0
22:00	27	66.3	59.1	6.9	0	0	0	0	0	1	1	5	9	10	1	0
23:00	9	62.8	52.8	9.7	0	0	0	1	0	1	0	2	4	1	0	0
Total																
2H(10-12)	303	63.0	55.5	7.2	0	0	0	0	3	10	42	107	81	51	7	2
2H(14-16)	352	63.6	55.4	8.0	0	0	0	7	3	10	49	119	85	68	9	2
12H(7-19)	2194	64.9	56.9	7.7	0	0	0	11	15	40	257	637	644	493	76	21
24H(0-24)	2657	65.4	57.3	7.8	0	1	0	12	15	48	301	728	784	633	108	27
AM Peak	07:00 244	00:00 92.6	00:00 68.8	00:00 23.0	00:00 0	06:00 1	00:00 0	08:00 3	08:00 2	07:00 9	08:00 31	10:00 62	07:00 89	07:00 64	06:00 9	08:00 4
PM Peak	17:00 225	19:00 70.7	19:00 61.3	23:00 9.7	12:00 0	12:00 0	12:00 0	14:00 6	12:00 3	14:00 7	18:00 29	15:00 68	17:00 82	17:00 61	13:00 10	18:00 4

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	12	67.3	61.0	6.1	0	0	0	0	0	0	0	1	6	4	1	0
01:00	2	77.3	70.0	7.1	0	0	0	0	0	0	0	0	0	1	1	0
02:00	6	74.4	65.0	9.1	0	0	0	0	0	0	0	1	1	2	2	0
03:00	8	63.8	56.9	6.6	0	0	0	0	0	0	2	0	4	2	0	0
04:00	17	73.0	61.5	11.1	0	0	0	0	1	0	1	2	4	6	2	1
05:00	74	70.2	60.5	9.4	0	0	0	0	1	1	6	13	21	19	12	1
06:00	104	68.3	60.2	7.7	0	0	0	0	0	0	5	20	37	33	6	3
07:00	252	63.4	56.4	6.8	0	0	0	0	0	2	41	71	80	51	6	1
08:00	234	64.1	56.9	6.9	0	0	0	0	0	3	28	66	79	51	5	2
09:00	175	63.8	55.7	7.8	0	0	0	0	4	6	21	66	33	41	2	2
10:00	155	63.8	56.0	7.6	0	0	0	4	0	4	11	54	48	30	3	1
11:00	164	64.8	56.5	7.9	0	0	0	0	0	7	17	61	39	30	8	2
12:00	166	64.5	57.4	6.8	0	0	0	0	0	2	22	32	66	37	7	0
13:00	159	63.7	56.1	7.3	0	0	0	0	0	6	24	50	38	37	3	1
14:00	187	66.4	57.0	9.1	1	0	0	0	10	5	14	38	54	59	5	1
15:00	195	66.1	58.2	7.6	0	0	0	0	0	4	14	50	74	37	14	2
16:00	262	66.4	58.9	7.2	0	0	0	0	0	2	11	57	115	62	8	7
17:00	303	66.8	58.8	7.7	0	0	0	0	0	3	31	69	85	95	17	3
18:00	185	68.1	59.5	8.2	0	0	0	0	2	9	7	24	66	65	8	4
19:00	139	72.2	62.0	9.8	0	0	0	0	0	7	4	21	33	49	18	7
20:00	111	71.5	61.1	10.1	0	0	0	0	1	2	11	20	23	33	17	4
21:00	54	73.3	63.2	9.7	0	0	0	0	0	1	3	6	13	19	9	3
22:00	37	69.2	59.5	9.4	0	0	0	0	0	3	3	5	8	15	2	1
23:00	8	66.5	56.9	9.3	0	0	0	0	0	0	2	2	2	1	1	0
Total																
2H(10-12)	319	64.3	56.3	7.8	0	0	0	4	0	11	28	115	87	60	11	3
2H(14-16)	382	66.3	57.6	8.4	1	0	0	0	10	9	28	88	128	96	19	3
12H(7-19)	2437	65.4	57.4	7.7	1	0	0	4	16	53	241	638	777	595	86	26
24H(0-24)	3009	66.6	58.1	8.1	1	0	0	4	19	67	278	729	929	779	157	46
AM Peak	07:00 252	01:00 77.3	01:00 70.0	04:00 11.1	00:00 0	00:00 0	00:00 0	10:00 4	09:00 4	11:00 7	07:00 41	07:00 71	07:00 80	07:00 51	05:00 12	06:00 3
PM Peak	17:00 303	21:00 73.3	21:00 63.2	20:00 10.1	14:00 1	12:00 0	12:00 0	12:00 0	14:00 10	18:00 9	17:00 31	17:00 69	16:00 115	17:00 95	19:00 18	16:00 7

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	14	71.4	62.1	8.9	0	0	0	0	0	0	0	2	6	4	1	1
01:00	5	71.6	67.0	4.5	0	0	0	0	0	0	0	0	0	4	1	0
02:00	9	71.6	62.8	8.5	0	0	0	0	0	0	0	2	2	3	2	0
03:00	14	63.3	56.3	6.8	0	0	0	0	0	1	2	1	7	3	0	0
04:00	36	70.3	60.5	9.5	0	0	0	0	1	0	2	8	8	12	4	1
05:00	150	68.8	59.8	8.7	0	0	0	0	1	1	12	33	44	40	16	3
06:00	242	67.6	59.1	8.2	0	1	0	0	0	1	26	43	77	76	15	3
07:00	496	64.4	57.1	7.1	0	0	0	0	0	11	59	126	169	115	12	4
08:00	453	65.3	57.3	7.8	0	0	0	3	2	4	59	115	140	110	14	6
09:00	323	63.0	55.6	7.1	0	0	0	1	4	7	40	126	72	67	4	2
10:00	312	63.2	55.6	7.3	0	0	0	4	2	8	33	116	88	52	7	2
11:00	310	64.2	56.2	7.7	0	0	0	0	1	13	37	106	80	59	11	3
12:00	331	63.4	56.3	6.8	0	0	0	0	3	5	44	87	125	56	10	1
13:00	298	64.9	56.8	7.8	0	0	0	0	1	8	42	92	68	72	13	2
14:00	354	65.3	55.9	9.0	1	0	0	6	13	12	38	89	94	89	10	2
15:00	380	64.8	57.1	7.4	0	0	0	1	0	7	39	118	119	75	18	3
16:00	485	65.8	58.6	7.0	0	0	0	0	0	2	24	122	194	117	18	8
17:00	528	66.5	58.8	7.4	0	0	0	0	0	3	47	122	167	156	27	6
18:00	361	68.0	58.9	8.7	0	0	0	0	5	13	36	56	105	120	18	8
19:00	220	71.6	61.7	9.5	0	0	0	0	0	7	12	33	56	74	28	10
20:00	177	69.8	60.3	9.1	0	0	0	0	1	3	16	34	42	56	21	4
21:00	87	70.7	60.9	9.5	0	0	0	0	0	4	5	12	27	25	11	3
22:00	64	68.0	59.3	8.4	0	0	0	0	0	4	4	10	17	25	3	1
23:00	17	64.5	54.7	9.5	0	0	0	1	0	1	2	4	6	2	1	0
Total																
2H(10-12)	622	63.7	55.9	7.5	0	0	0	4	3	21	70	222	168	111	18	5
2H(14-16)	734	65.1	56.5	8.3	1	0	0	7	13	19	77	207	213	164	28	5
12H(7-19)	4631	65.1	57.2	7.7	1	0	0	15	31	93	498	1275	1421	1088	162	47
24H(0-24)	5666	66.0	57.7	8.0	1	1	0	16	34	115	579	1457	1713	1412	265	73
AM Peak	07:00 496	01:00 71.6	01:00 67.0	04:00 9.5	00:00 0	06:00 1	00:00 0	10:00 4	09:00 4	11:00 13	07:00 59	07:00 126	07:00 169	07:00 115	05:00 16	08:00 6
PM Peak	17:00 528	19:00 71.6	19:00 61.7	19:00 9.5	14:00 1	12:00 0	12:00 0	14:00 6	14:00 13	18:00 13	17:00 47	16:00 122	16:00 194	17:00 156	19:00 28	19:00 10

Tween Bridge ATC 18, A18

Direction: Westbound

08/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	3	74.4	60.0	13.9	0	0	0	0	0	0	1	0	1	0	1	0
01:00	3	64.9	58.3	6.3	0	0	0	0	0	0	0	1	1	1	0	0
02:00	4	63.0	56.9	5.9	0	0	0	0	0	0	0	2	1	1	0	0
03:00	6	66.6	58.8	7.5	0	0	0	0	0	0	1	1	1	3	0	0
04:00	19	72.9	62.9	9.7	0	0	0	0	0	0	0	3	7	6	1	2
05:00	77	69.5	60.6	8.5	0	0	0	0	0	1	7	12	20	27	9	1
06:00	129	66.3	58.6	7.4	0	0	0	0	0	0	12	37	33	39	7	1
07:00	264	65.2	57.3	7.7	0	0	0	0	0	4	32	79	78	55	13	3
08:00	233	64.7	56.7	7.7	0	0	0	0	3	9	24	67	63	60	5	2
09:00	158	65.6	55.1	10.1	0	0	5	4	0	6	16	52	38	27	9	1
10:00	121	61.2	53.3	7.6	0	0	1	0	0	10	28	40	25	15	1	1
11:00	145	64.2	55.4	8.4	0	0	0	5	2	3	17	43	42	30	1	2
12:00	139	65.1	56.5	8.3	0	0	0	1	0	3	21	47	31	26	9	1
13:00	143	65.9	56.3	9.3	0	0	0	0	1	12	21	41	28	29	8	3
14:00	194	64.3	55.2	8.8	0	1	4	1	0	5	28	55	54	44	0	2
15:00	184	64.9	56.8	7.9	0	0	0	0	1	6	21	58	50	38	8	2
16:00	256	65.2	57.5	7.5	0	0	0	0	1	7	22	71	83	60	9	3
17:00	208	66.4	58.0	8.1	0	0	0	0	1	8	21	41	68	57	9	3
18:00	128	68.2	58.1	9.7	0	1	0	0	5	6	6	23	38	37	12	0
19:00	76	68.7	59.3	9.1	0	0	0	0	0	1	7	21	18	21	5	3
20:00	50	71.4	62.0	9.1	0	0	0	0	0	1	2	9	12	16	9	1
21:00	37	66.1	58.2	7.7	0	0	0	0	0	1	4	9	9	12	2	0
22:00	35	67.0	55.9	10.8	0	0	0	0	3	1	5	8	9	7	0	2
23:00	17	68.7	58.4	9.9	0	0	0	0	0	1	1	7	2	3	3	0
Total																
2H(10-12)	266	62.9	54.5	8.1	0	0	1	5	2	13	45	83	67	45	2	3
2H(14-16)	378	64.7	56.0	8.4	0	1	4	1	1	11	49	113	104	82	8	4
12H(7-19)	2173	65.2	56.5	8.4	0	2	10	11	14	79	257	617	598	478	84	23
24H(0-24)	2629	65.8	57.0	8.5	0	2	10	11	17	85	297	727	712	614	121	33
AM Peak	07:00 264	00:00 74.4	04:00 62.9	00:00 13.9	00:00 0	00:00 0	09:00 5	11:00 5	08:00 3	10:00 10	07:00 32	07:00 79	07:00 78	08:00 60	07:00 13	07:00 3
PM Peak	16:00 256	20:00 71.4	20:00 62.0	22:00 10.8	12:00 0	14:00 1	14:00 4	12:00 1	18:00 5	13:00 12	14:00 28	16:00 71	16:00 83	16:00 60	18:00 12	13:00 3

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	12	72.4	64.6	7.5	0	0	0	0	0	0	0	1	3	5	3	0
01:00	7	73.3	66.8	6.2	0	0	0	0	0	0	0	0	1	4	2	0
02:00	7	76.9	66.1	10.5	0	0	0	0	0	0	0	0	3	2	1	1
03:00	8	76.5	65.0	11.1	0	0	0	0	0	1	0	0	1	3	3	0
04:00	22	67.5	60.3	6.9	0	0	0	0	0	0	1	3	9	7	2	0
05:00	75	70.5	62.3	8.0	0	0	0	0	0	1	0	11	22	32	6	3
06:00	107	69.5	61.0	8.2	0	0	0	0	0	2	5	13	39	34	12	2
07:00	228	67.5	57.9	9.3	0	0	3	10	0	2	6	39	92	61	15	0
08:00	225	63.9	56.9	6.8	0	0	0	0	0	6	23	66	72	52	5	1
09:00	154	64.7	57.8	6.6	0	0	0	0	0	1	8	46	58	36	3	2
10:00	160	64.9	55.7	8.9	0	0	1	1	0	10	27	43	37	34	4	3
11:00	150	66.1	57.5	8.3	0	0	0	0	2	6	9	43	50	30	7	3
12:00	140	65.4	58.1	7.1	0	0	0	0	0	1	12	42	38	41	5	1
13:00	199	64.4	56.7	7.4	0	0	0	0	0	5	25	65	53	41	9	1
14:00	220	65.6	57.3	7.9	0	0	1	0	0	3	34	53	59	60	8	2
15:00	258	65.9	57.9	7.8	0	0	0	0	0	4	38	50	88	59	18	1
16:00	269	65.4	58.0	7.1	0	0	1	0	0	1	17	79	90	67	13	1
17:00	283	67.1	60.2	6.6	0	0	0	0	0	1	6	48	113	95	18	2
18:00	187	69.2	61.0	7.9	0	0	0	0	0	0	12	31	50	78	10	6
19:00	141	69.2	61.0	7.8	0	0	0	0	1	1	10	13	44	58	12	2
20:00	87	73.3	63.1	9.9	0	0	0	0	0	2	5	11	18	32	14	5
21:00	65	69.8	61.0	8.5	0	0	0	0	0	0	7	8	17	26	5	2
22:00	36	69.5	60.7	8.5	0	0	0	0	0	1	2	4	13	12	3	1
23:00	17	68.4	58.8	9.3	0	0	0	0	0	0	3	3	6	2	3	0
Total																
2H(10-12)	310	65.5	56.6	8.6	0	0	1	1	2	16	36	86	87	64	11	6
2H(14-16)	478	65.7	57.6	7.8	0	0	1	0	0	7	72	103	147	119	26	3
12H(7-19)	2473	66.0	58.0	7.8	0	0	6	11	2	40	217	605	800	654	115	23
24H(0-24)	3057	67.0	58.7	8.0	0	0	6	11	3	48	250	672	976	871	181	39
AM Peak	07:00 228	02:00 76.9	01:00 66.8	03:00 11.1	00:00 0	00:00 0	07:00 3	07:00 10	11:00 2	10:00 10	10:00 27	08:00 66	07:00 92	07:00 61	07:00 15	05:00 3
PM Peak	17:00 283	20:00 73.3	20:00 63.1	20:00 9.9	12:00 0	12:00 0	14:00 1	12:00 0	19:00 1	13:00 5	15:00 38	16:00 79	17:00 113	17:00 95	15:00 18	18:00 6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	15	72.7	63.7	8.7	0	0	0	0	0	0	1	1	4	5	4	0
01:00	10	71.7	64.3	7.2	0	0	0	0	0	0	0	1	2	5	2	0
02:00	11	73.0	62.7	9.9	0	0	0	0	0	0	0	2	4	3	1	1
03:00	14	72.6	62.3	9.9	0	0	0	0	0	1	1	1	2	6	3	0
04:00	41	70.1	61.5	8.3	0	0	0	0	0	0	1	6	16	13	3	2
05:00	152	70.0	61.4	8.3	0	0	0	0	0	2	7	23	42	59	15	4
06:00	236	67.8	59.7	7.8	0	0	0	0	0	2	17	50	72	73	19	3
07:00	492	66.3	57.6	8.4	0	0	3	10	0	6	38	118	170	116	28	3
08:00	458	64.3	56.8	7.2	0	0	0	0	3	15	47	133	135	112	10	3
09:00	312	65.4	56.4	8.7	0	0	5	4	0	7	24	98	96	63	12	3
10:00	281	63.4	54.7	8.4	0	0	2	1	0	20	55	83	62	49	5	4
11:00	295	65.2	56.5	8.4	0	0	0	5	4	9	26	86	92	60	8	5
12:00	279	65.3	57.3	7.7	0	0	0	1	0	4	33	89	69	67	14	2
13:00	342	65.1	56.5	8.3	0	0	0	0	1	17	46	106	81	70	17	4
14:00	414	65.1	56.3	8.4	0	1	5	1	0	8	62	108	113	104	8	4
15:00	442	65.5	57.4	7.8	0	0	0	0	1	10	59	108	138	97	26	3
16:00	525	65.3	57.8	7.3	0	0	1	0	1	8	39	150	173	127	22	4
17:00	491	66.9	59.3	7.3	0	0	0	0	1	9	27	89	181	152	27	5
18:00	315	68.9	59.8	8.8	0	1	0	0	5	6	18	54	88	115	22	6
19:00	217	69.1	60.4	8.3	0	0	0	0	1	2	17	34	62	79	17	5
20:00	137	72.6	62.7	9.6	0	0	0	0	0	3	7	20	30	48	23	6
21:00	102	68.6	60.0	8.3	0	0	0	0	0	1	11	17	26	38	7	2
22:00	71	68.6	58.3	9.9	0	0	0	0	3	2	7	12	22	19	3	3
23:00	34	68.4	58.6	9.5	0	0	0	0	0	1	4	10	8	5	6	0
Total																
2H(10-12)	576	64.4	55.6	8.5	0	0	2	6	4	29	81	169	154	109	13	9
2H(14-16)	856	65.3	56.9	8.1	0	1	5	1	1	18	121	216	251	201	34	7
12H(7-19)	4646	65.7	57.3	8.1	0	2	16	22	16	119	474	1222	1398	1132	199	46
24H(0-24)	5686	66.5	57.9	8.3	0	2	16	22	20	133	547	1399	1688	1485	302	72
AM Peak	07:00 492	02:00 73.0	01:00 64.3	03:00 9.9	00:00 0	00:00 0	09:00 5	07:00 10	11:00 4	10:00 20	10:00 55	08:00 133	07:00 170	07:00 116	07:00 28	11:00 5
PM Peak	16:00 525	20:00 72.6	20:00 62.7	22:00 9.9	12:00 0	14:00 1	14:00 5	12:00 1	18:00 5	13:00 17	14:00 62	16:00 150	17:00 181	17:00 152	17:00 27	18:00 6

Tween Bridge ATC 18, A18

Direction: Westbound

09/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	8	76.5	64.1	12.0	0	0	0	0	0	0	1	1	1	3	1	1
01:00	5	71.5	64.0	7.2	0	0	0	0	0	0	0	0	2	2	1	0
02:00	4	63.4	55.6	7.5	0	0	0	0	0	0	1	1	1	1	0	0
03:00	4	64.3	56.9	7.2	0	0	0	0	0	0	1	0	2	1	0	0
04:00	23	72.9	61.2	11.3	0	0	1	0	0	0	1	2	6	10	2	1
05:00	78	68.9	60.0	8.5	0	0	0	0	0	2	6	12	25	25	6	2
06:00	121	67.3	59.2	7.8	0	0	0	0	0	2	14	24	27	45	9	0
07:00	236	66.6	58.6	7.7	0	0	0	0	0	5	19	53	80	62	14	3
08:00	220	66.0	57.6	8.0	0	0	0	1	3	4	24	55	57	66	8	2
09:00	132	65.9	57.2	8.4	0	0	1	0	0	4	15	37	37	29	8	1
10:00	164	63.8	56.1	7.4	0	0	0	0	2	4	19	56	46	32	3	2
11:00	175	63.1	54.3	8.5	0	0	1	5	1	12	25	53	45	27	6	0
12:00	176	64.0	55.6	8.1	0	0	1	1	0	2	32	61	43	27	7	2
13:00	168	63.9	55.0	8.6	0	0	1	2	3	6	27	54	42	24	8	1
14:00	210	63.8	55.1	8.4	0	0	0	10	0	6	22	70	57	38	7	0
15:00	256	64.2	56.1	7.8	0	0	0	1	4	5	32	92	60	49	12	1
16:00	247	64.3	56.4	7.7	0	0	0	3	0	14	20	73	72	59	4	2
17:00	205	66.6	59.3	7.0	0	0	0	0	0	0	11	52	62	68	10	2
18:00	132	66.7	58.9	7.5	0	0	0	0	0	3	10	25	47	38	8	1
19:00	85	68.3	59.0	9.0	0	0	0	0	0	4	4	21	29	16	9	2
20:00	57	68.6	58.9	9.4	0	0	0	1	1	2	2	13	14	19	4	1
21:00	57	68.4	59.3	8.8	0	0	0	0	1	0	5	14	13	20	2	2
22:00	28	71.3	61.1	9.8	0	0	0	0	1	0	1	4	10	7	4	1
23:00	15	60.8	54.7	5.9	0	0	0	0	0	2	0	4	8	1	0	0
Total																
2H(10-12)	339	63.5	55.2	8.0	0	0	1	5	3	16	44	109	91	59	9	2
2H(14-16)	466	64.0	55.7	8.1	0	0	0	11	4	11	54	162	117	87	19	1
12H(7-19)	2321	65.0	56.7	8.1	0	0	4	23	13	65	256	681	648	519	95	17
24H(0-24)	2806	65.7	57.2	8.3	0	0	5	24	16	77	292	777	786	669	133	27
AM Peak	07:00	00:00	00:00	00:00	00:00	00:00	04:00	11:00	08:00	11:00	11:00	10:00	07:00	08:00	07:00	07:00
	236	76.5	64.1	12.0	0	0	1	5	3	12	25	56	80	66	14	3
PM Peak	15:00	22:00	22:00	22:00	12:00	12:00	12:00	14:00	15:00	16:00	12:00	15:00	16:00	17:00	15:00	12:00
	256	71.3	61.1	9.8	0	0	1	10	4	14	32	92	72	68	12	2

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	10	67.4	58.0	9.1	0	0	0	0	0	0	2	3	1	3	1	0
01:00	6	79.0	65.8	12.7	0	0	0	0	0	0	0	2	0	2	1	1
02:00	6	78.2	62.9	14.8	0	0	0	0	0	0	1	2	0	1	1	1
03:00	19	70.4	63.0	7.1	0	0	0	0	0	0	2	0	3	12	2	0
04:00	29	67.8	57.5	9.9	0	0	0	0	1	1	1	10	10	2	3	1
05:00	72	69.2	60.2	8.7	0	0	0	0	0	3	6	12	15	27	9	0
06:00	92	71.0	61.6	9.1	0	0	0	0	2	1	4	11	24	39	7	4
07:00	257	63.6	56.9	6.5	0	0	0	0	0	2	29	73	94	50	9	0
08:00	226	64.9	57.3	7.4	0	0	0	0	0	1	27	72	66	47	11	2
09:00	165	64.3	55.4	8.5	0	0	0	5	5	3	18	50	44	34	6	0
10:00	158	65.8	57.5	8.1	0	0	0	0	0	9	15	39	45	42	6	2
11:00	195	64.1	56.2	7.7	0	0	0	0	5	4	29	47	64	39	6	1
12:00	180	67.6	54.2	12.9	0	0	19	4	0	3	21	26	54	43	9	1
13:00	208	64.9	57.0	7.6	0	0	1	0	0	2	28	55	70	42	8	2
14:00	247	64.2	57.0	6.9	0	0	0	0	0	2	10	108	75	40	8	4
15:00	236	67.2	55.3	11.5	0	0	0	21	10	8	18	50	59	53	12	5
16:00	319	66.6	55.7	10.6	0	1	9	13	4	5	28	68	97	83	7	4
17:00	300	67.1	60.2	6.6	0	0	0	0	0	0	18	42	104	118	17	1
18:00	217	67.5	59.6	7.6	0	0	0	0	0	2	17	43	66	70	18	1
19:00	115	70.9	62.2	8.4	0	0	0	0	0	1	3	12	41	43	9	6
20:00	88	69.5	61.4	7.9	0	0	0	0	0	0	6	12	22	41	4	3
21:00	70	70.1	61.1	8.7	0	0	0	0	1	0	4	10	21	25	7	2
22:00	44	70.3	60.3	9.6	0	0	0	1	1	0	1	7	15	13	5	1
23:00	20	74.8	65.1	9.3	0	0	0	0	0	0	1	1	5	7	5	1
Total																
2H(10-12)	353	64.9	56.7	7.9	0	0	0	0	5	13	44	86	109	81	12	3
2H(14-16)	483	66.0	56.2	9.5	0	0	0	21	10	10	28	158	134	93	20	9
12H(7-19)	2708	66.1	57.0	8.8	0	1	29	43	24	41	258	673	838	661	117	23
24H(0-24)	3279	67.0	57.7	9.0	0	1	29	44	29	47	289	755	995	876	171	43
AM Peak	07:00	01:00	01:00	02:00	00:00	00:00	00:00	09:00	09:00	10:00	07:00	07:00	07:00	07:00	08:00	06:00
	257	79.0	65.8	14.8	0	0	0	5	5	9	29	73	94	50	11	4
PM Peak	16:00	23:00	23:00	12:00	12:00	16:00	12:00	15:00	15:00	15:00	13:00	14:00	17:00	17:00	18:00	19:00
	319	74.8	65.1	12.9	0	1	19	21	10	8	28	108	104	118	18	6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80	
00:00	18	71.7	60.7	10.6	0	0	0	0	0	0	3	4	2	6	2	1	
01:00	11	75.5	65.0	10.1	0	0	0	0	0	0	0	2	2	4	2	1	
02:00	10	72.9	60.0	12.4	0	0	0	0	0	0	2	3	1	2	1	1	
03:00	23	69.6	62.0	7.3	0	0	0	0	0	0	3	0	5	13	2	0	
04:00	52	70.1	59.1	10.6	0	0	1	0	1	1	2	12	16	12	5	2	
05:00	150	69.0	60.1	8.6	0	0	0	0	0	5	12	24	40	52	15	2	
06:00	213	69.0	60.2	8.5	0	0	0	0	2	3	18	35	51	84	16	4	
07:00	493	65.1	57.7	7.1	0	0	0	0	0	7	48	126	174	112	23	3	
08:00	446	65.5	57.5	7.7	0	0	0	1	3	5	51	127	123	113	19	4	
09:00	297	65.0	56.2	8.5	0	0	1	5	5	7	33	87	81	63	14	1	
10:00	322	64.8	56.8	7.8	0	0	0	0	2	13	34	95	91	74	9	4	
11:00	370	63.7	55.3	8.1	0	0	1	5	6	16	54	100	109	66	12	1	
12:00	356	66.1	54.9	10.8	0	0	20	5	0	5	53	87	97	70	16	3	
13:00	376	64.5	56.1	8.1	0	0	2	2	3	8	55	109	112	66	16	3	
14:00	457	64.1	56.1	7.7	0	0	0	10	0	8	32	178	132	78	15	4	
15:00	492	65.8	55.7	9.8	0	0	0	22	14	13	50	142	119	102	24	6	
16:00	566	65.7	56.0	9.4	0	1	9	16	4	19	48	141	169	142	11	6	
17:00	505	66.9	59.9	6.8	0	0	0	0	0	0	29	94	166	186	27	3	
18:00	349	67.2	59.3	7.6	0	0	0	0	0	5	27	68	113	108	26	2	
19:00	200	69.9	60.8	8.8	0	0	0	0	0	5	7	33	70	59	18	8	
20:00	145	69.3	60.4	8.6	0	0	0	1	1	2	8	25	36	60	8	4	
21:00	127	69.4	60.3	8.7	0	0	0	0	2	0	9	24	34	45	9	4	
22:00	72	70.6	60.6	9.6	0	0	0	1	2	0	2	11	25	20	9	2	
23:00	35	70.5	60.6	9.5	0	0	0	0	0	2	1	5	13	8	5	1	
Total																	
	2H(10-12)	692	64.3	56.0	8.0	0	0	1	5	8	29	88	195	200	140	21	5
	2H(14-16)	949	65.1	55.9	8.8	0	0	0	32	14	21	82	320	251	180	39	10
	12H(7-19)	5029	65.6	56.8	8.5	0	1	33	66	37	106	514	1354	1486	1180	212	40
24H(0-24)	6085	66.4	57.5	8.7	0	1	34	68	45	124	581	1532	1781	1545	304	70	
AM Peak	07:00	01:00	01:00	02:00	00:00	00:00	04:00	09:00	11:00	11:00	11:00	08:00	07:00	08:00	07:00	06:00	
	493	75.5	65.0	12.4	0	0	1	5	6	16	54	127	174	113	23	4	
PM Peak	16:00	22:00	19:00	12:00	12:00	16:00	12:00	15:00	15:00	16:00	13:00	14:00	16:00	17:00	17:00	19:00	
	566	70.6	60.8	10.8	0	1	20	22	14	19	55	178	169	186	27	8	

Tween Bridge ATC 18, A18

Direction: Westbound

10/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	11	74.4	57.7	16.1	0	0	1	0	1	0	1	0	2	5	0	1
01:00	3	66.9	55.0	11.5	0	0	0	0	0	1	0	0	1	1	0	0
02:00	3	74.9	65.8	8.8	0	0	0	0	0	0	0	0	1	1	1	0
03:00	5	70.5	62.5	7.7	0	0	0	0	0	0	0	0	3	1	1	0
04:00	6	69.1	60.8	8.0	0	0	0	0	0	0	0	1	3	1	1	0
05:00	32	70.7	62.7	7.7	0	0	0	0	0	0	1	4	9	12	6	0
06:00	51	66.2	59.1	6.8	0	0	0	0	0	0	4	13	12	20	2	0
07:00	107	69.3	58.5	10.4	0	1	0	0	0	3	14	20	33	26	4	6
08:00	139	67.9	59.6	7.9	0	0	0	0	0	0	9	34	43	40	10	3
09:00	170	64.6	56.9	7.5	0	0	1	0	1	0	20	53	49	41	3	2
10:00	189	64.7	57.6	6.9	0	0	0	0	0	2	17	52	65	47	4	2
11:00	193	66.3	57.8	8.2	0	0	1	0	0	4	19	47	66	44	8	4
12:00	188	66.4	57.7	8.4	0	0	0	0	0	8	11	64	51	42	6	6
13:00	172	67.3	57.6	9.3	0	0	2	0	1	5	20	39	52	39	10	4
14:00	159	66.4	57.8	8.3	0	0	0	0	3	6	9	49	38	43	10	1
15:00	150	67.6	58.8	8.5	0	0	1	0	1	1	13	34	46	41	11	2
16:00	155	69.3	58.9	10.0	0	0	0	2	0	10	11	31	43	40	12	6
17:00	117	67.5	59.8	7.4	0	0	0	0	0	1	6	24	39	37	9	1
18:00	95	68.0	60.1	7.6	0	0	0	0	0	2	2	17	36	30	6	2
19:00	86	68.0	59.3	8.4	0	0	0	0	0	1	4	25	27	19	8	2
20:00	46	68.2	59.2	8.7	0	0	0	0	0	3	4	6	14	14	5	0
21:00	48	66.7	55.6	10.8	0	0	0	2	2	2	5	13	13	6	4	1
22:00	36	68.6	61.0	7.4	0	0	0	0	0	2	0	6	6	20	2	0
23:00	15	66.8	52.2	14.1	0	0	1	2	0	0	1	6	2	1	2	0
Total 2H(10-12)	382	65.5	57.7	7.6	0	0	1	0	0	6	36	99	131	91	12	6
2H(14-16)	309	66.9	58.2	8.4	0	0	1	0	4	7	22	83	84	84	21	3
12H(7-19)	1834	67.0	58.3	8.4	0	1	5	2	6	42	151	464	561	470	93	39
24H(0-24)	2176	67.3	58.4	8.6	0	1	7	6	9	51	171	538	654	571	125	43
AM Peak	11:00 193	02:00 74.9	02:00 65.8	00:00 16.1	00:00 0	07:00 1	00:00 1	00:00 0	00:00 1	11:00 4	09:00 20	09:00 53	11:00 66	10:00 47	08:00 10	07:00 6
PM Peak	12:00 188	16:00 69.3	22:00 61.0	23:00 14.1	12:00 0	12:00 0	13:00 2	16:00 2	14:00 3	16:00 10	13:00 20	12:00 64	13:00 52	14:00 43	16:00 12	12:00 6

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	17	78.3	67.2	10.7	0	0	0	0	0	0	1	1	3	5	5	2
01:00	12	77.3	67.1	9.9	0	0	0	0	0	0	0	1	3	3	4	1
02:00	6	76.4	68.8	7.4	0	0	0	0	0	0	0	0	1	2	3	0
03:00	3	64.3	55.0	9.0	0	0	0	0	0	0	1	1	0	1	0	0
04:00	8	66.7	61.6	5.0	0	0	0	0	0	0	0	1	2	5	0	0
05:00	31	69.9	59.6	10.0	0	0	0	0	0	4	3	1	7	12	4	0
06:00	39	71.6	61.6	9.6	0	0	0	0	0	0	2	7	12	14	0	4
07:00	70	67.2	59.4	7.5	0	0	0	0	0	0	7	14	19	26	3	1
08:00	131	69.5	59.1	10.0	0	1	2	0	0	1	10	29	31	45	9	3
09:00	176	70.7	60.9	9.4	0	0	3	0	0	0	9	29	46	67	17	5
10:00	228	68.6	59.9	8.4	0	0	0	0	0	5	13	42	80	65	16	7
11:00	223	67.0	59.2	7.5	0	0	0	0	0	6	9	51	77	59	21	0
12:00	189	69.5	60.3	8.9	0	1	0	0	0	1	18	23	58	71	11	6
13:00	178	68.9	59.6	9.1	0	1	0	2	4	2	3	22	72	60	7	5
14:00	192	68.8	59.6	8.9	0	0	0	0	0	8	9	47	50	58	14	6
15:00	178	68.9	60.9	7.7	0	0	0	0	0	2	12	17	63	66	15	3
16:00	182	69.4	59.9	9.2	0	0	3	0	1	1	6	44	41	71	10	5
17:00	171	70.0	61.3	8.4	0	0	0	0	0	3	8	33	34	74	14	5
18:00	112	71.2	62.3	8.6	0	0	0	1	0	1	3	12	31	50	9	5
19:00	99	70.1	61.1	8.7	0	0	1	0	0	1	2	16	32	34	11	2
20:00	74	72.6	63.6	8.6	0	0	0	0	0	0	1	8	23	27	11	4
21:00	51	66.9	58.6	8.0	0	0	0	0	0	2	3	15	11	16	4	0
22:00	39	71.1	62.2	8.6	0	0	0	0	0	0	2	5	11	16	3	2
23:00	25	72.8	64.1	8.4	0	0	0	0	0	0	0	2	9	8	5	1
Total 2H(10-12) 12H(14-16) 12H(7-19) 24H(0-24)	451	67.8	59.5	8.0	0	0	0	0	0	11	22	93	157	124	37	7
	370	68.9	60.2	8.4	0	0	0	0	0	10	21	64	113	124	29	9
	2030	69.2	60.2	8.7	0	3	8	3	5	30	107	363	602	712	146	51
	2434	69.6	60.5	8.8	0	3	9	3	5	37	122	421	716	855	196	67
AM Peak	10:00 228	00:00 78.3	02:00 68.8	00:00 10.7	00:00 0	08:00 1	09:00 3	00:00 0	00:00 0	11:00 6	10:00 13	11:00 51	10:00 80	09:00 67	11:00 21	10:00 7
PM Peak	14:00 192	23:00 72.8	23:00 64.1	16:00 9.2	12:00 0	12:00 1	16:00 3	13:00 2	13:00 4	14:00 8	12:00 18	14:00 47	13:00 72	17:00 74	15:00 15	12:00 6

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	28	77.6	63.5	13.7	0	0	1	0	1	0	2	1	5	10	5	3
01:00	15	76.0	64.7	11.0	0	0	0	0	0	1	0	1	4	4	4	1
02:00	9	75.5	67.8	7.4	0	0	0	0	0	0	0	0	2	3	4	0
03:00	8	68.5	59.7	8.5	0	0	0	0	0	0	1	1	3	2	1	0
04:00	14	67.7	61.3	6.2	0	0	0	0	0	0	0	2	5	6	1	0
05:00	63	70.5	61.2	9.0	0	0	0	0	0	4	4	5	16	24	10	0
06:00	90	68.7	60.2	8.2	0	0	0	0	0	0	6	20	24	34	2	4
07:00	177	68.6	58.8	9.4	0	1	0	0	0	3	21	34	52	52	7	7
08:00	270	68.7	59.4	9.0	0	1	2	0	0	1	19	63	74	85	19	6
09:00	346	68.0	59.0	8.7	0	0	4	0	1	0	29	82	95	108	20	7
10:00	417	66.9	58.8	7.8	0	0	0	0	0	7	30	94	145	112	20	9
11:00	416	66.7	58.6	7.9	0	0	1	0	0	10	28	98	143	103	29	4
12:00	377	68.1	59.0	8.7	0	1	0	0	0	9	29	87	109	113	17	12
13:00	350	68.2	58.6	9.2	0	1	2	2	5	7	23	61	124	99	17	9
14:00	351	67.7	58.8	8.7	0	0	0	0	3	14	18	96	88	101	24	7
15:00	328	68.4	59.9	8.2	0	0	1	0	1	3	25	51	109	107	26	5
16:00	337	69.4	59.4	9.6	0	0	3	2	1	11	17	75	84	111	22	11
17:00	288	69.0	60.7	8.1	0	0	0	0	0	4	14	57	73	111	23	6
18:00	207	69.8	61.3	8.2	0	0	0	1	0	3	5	29	67	80	15	7
19:00	185	69.2	60.3	8.6	0	0	1	0	0	2	6	41	59	53	19	4
20:00	120	71.1	61.9	8.9	0	0	0	0	0	3	5	14	37	41	16	4
21:00	99	67.0	57.1	9.5	0	0	0	2	2	4	8	28	24	22	8	1
22:00	75	69.9	61.6	8.0	0	0	0	0	0	2	2	11	17	36	5	2
23:00	40	72.3	59.6	12.2	0	0	1	2	0	0	1	8	11	9	7	1
Total 2H(10-12) 12H(14-16) 12H(7-19) 24H(0-24)	833	66.8	58.7	7.8	0	0	1	0	0	17	58	192	288	215	49	13
	679	68.1	59.3	8.4	0	0	1	0	4	17	43	147	197	208	50	12
	3864	68.2	59.3	8.6	0	4	13	5	11	72	258	827	1163	1182	239	90
	4610	68.5	59.5	8.7	0	4	16	9	14	88	293	959	1370	1426	321	110
AM Peak	10:00 417	00:00 77.6	02:00 67.8	00:00 13.7	00:00 0	07:00 1	09:00 4	00:00 0	00:00 1	11:00 10	10:00 30	11:00 98	10:00 145	10:00 112	11:00 29	10:00 9
PM Peak	12:00 377	23:00 72.3	20:00 61.9	23:00 12.2	12:00 0	12:00 1	16:00 3	13:00 2	13:00 5	14:00 14	12:00 29	14:00 96	13:00 124	12:00 113	15:00 26	12:00 12

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

11/06/2023

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	61.5	55.0	6.3	0	0	0	0	0	0	2	1	3	1	0	0
01:00	4	69.8	58.1	11.3	0	0	0	0	0	0	0	3	0	0	1	0
02:00	2	57.5	57.5	0.0	0	0	0	0	0	0	0	0	2	0	0	0
03:00	1	-	75.0	-	0	0	0	0	0	0	0	0	0	0	1	0
04:00	1	-	65.0	-	0	0	0	0	0	0	0	0	0	1	0	0
05:00	16	68.3	61.9	6.2	0	0	0	0	0	0	0	3	3	9	1	0
06:00	33	66.3	58.9	7.1	0	0	0	0	0	0	2	10	8	11	2	0
07:00	65	66.5	59.0	7.2	0	0	0	0	0	0	8	10	22	21	4	0
08:00	71	71.5	61.9	9.2	0	0	0	0	0	1	4	11	17	28	6	4
09:00	133	64.6	57.1	7.3	0	0	0	0	0	3	15	35	49	24	6	1
10:00	158	66.3	57.4	8.6	0	0	0	0	1	7	17	47	35	41	7	3
11:00	189	66.1	58.1	7.8	0	0	0	0	0	6	19	39	66	47	10	2
12:00	148	64.6	57.6	6.8	0	0	0	1	0	1	13	43	43	43	4	0
13:00	181	67.8	58.7	8.8	0	0	0	2	0	5	14	39	57	50	9	5
14:00	150	68.3	58.2	9.7	1	0	0	0	0	6	10	40	47	30	12	4
15:00	140	65.4	57.1	8.0	0	1	0	0	0	5	11	39	44	35	4	1
16:00	137	66.6	58.1	8.2	0	0	0	0	0	5	11	34	44	34	6	3
17:00	112	67.9	59.7	7.9	0	0	0	0	0	3	9	18	31	44	5	2
18:00	123	67.8	58.3	9.2	0	1	1	0	0	2	9	33	31	35	11	0
19:00	89	66.8	57.2	9.2	0	0	1	0	0	5	7	25	23	24	1	3
20:00	48	67.6	59.0	8.4	0	0	0	0	0	1	4	12	13	14	3	1
21:00	32	68.9	56.9	11.6	0	0	1	0	1	0	3	11	7	6	1	2
22:00	15	78.1	66.7	11.0	0	0	0	0	0	0	0	2	4	3	4	2
23:00	8	66.0	55.0	10.6	0	0	0	1	0	0	1	0	4	2	0	0
Total 2H(10-12)	347	66.2	57.8	8.2	0	0	0	0	1	13	36	86	101	88	17	5
2H(14-16)	290	66.9	57.6	8.9	1	1	0	0	0	11	21	79	91	65	16	5
12H(7-19)	1607	66.8	58.2	8.3	1	2	1	3	1	44	140	388	486	432	84	25
24H(0-24)	1863	67.0	58.3	8.5	1	2	3	4	2	50	159	455	553	503	98	33
AM Peak	11:00 189	08:00 71.5	03:00 75.0	01:00 11.3	00:00 0	00:00 0	00:00 0	00:00 0	10:00 1	10:00 7	11:00 19	10:00 47	11:00 66	11:00 47	11:00 10	08:00 4
PM Peak	13:00 181	22:00 78.1	22:00 66.7	21:00 11.6	14:00 1	15:00 1	18:00 1	13:00 2	21:00 1	14:00 6	13:00 14	12:00 43	13:00 57	13:00 50	14:00 12	13:00 5

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	17	78.0	66.9	10.7	0	0	0	0	0	0	0	2	3	7	2	3
01:00	9	71.3	63.9	7.2	0	0	0	0	0	0	0	0	4	3	2	0
02:00	4	66.2	58.8	7.2	0	0	0	0	0	0	0	2	0	2	0	0
03:00	6	65.0	58.3	6.5	0	0	0	0	0	0	1	0	3	2	0	0
04:00	7	67.9	59.6	8.0	0	0	0	0	0	0	0	2	3	1	1	0
05:00	15	75.3	65.0	9.9	0	0	0	0	0	0	1	2	1	7	3	1
06:00	27	72.1	64.2	7.7	0	0	0	0	0	0	1	2	4	16	3	1
07:00	43	72.7	63.5	8.9	0	0	0	0	0	1	2	2	11	19	6	2
08:00	54	67.5	60.6	6.7	0	0	0	0	0	0	0	15	12	23	4	0
09:00	121	67.4	59.5	7.6	0	0	0	0	0	3	7	25	35	41	10	0
10:00	171	68.3	60.4	7.6	0	0	0	0	0	0	8	33	57	56	14	3
11:00	179	68.9	60.9	7.7	0	0	0	0	0	0	10	34	44	74	14	3
12:00	165	68.8	60.2	8.2	0	1	0	0	0	1	9	22	59	61	8	4
13:00	186	70.2	59.6	10.2	0	0	0	6	5	1	7	29	56	64	10	8
14:00	158	71.4	61.6	9.5	0	1	1	0	1	1	2	21	49	61	15	6
15:00	176	68.2	58.7	9.2	0	0	1	0	4	3	8	47	51	46	11	5
16:00	176	69.8	60.0	9.5	0	1	0	0	0	2	16	29	54	56	10	8
17:00	142	70.8	61.4	9.1	0	0	1	0	1	1	5	25	35	54	16	4
18:00	122	70.6	61.4	9.0	0	0	1	0	0	1	5	22	28	50	11	4
19:00	75	69.8	61.8	7.7	0	0	0	0	0	1	2	6	29	28	7	2
20:00	56	72.0	62.3	9.3	0	0	0	0	0	1	1	11	14	19	7	3
21:00	49	68.3	61.4	6.6	0	0	0	0	0	0	1	6	18	19	5	0
22:00	31	76.9	65.3	11.2	0	0	0	1	0	0	0	2	7	13	4	4
23:00	8	76.7	65.9	10.4	0	0	0	0	0	0	0	2	1	1	4	0
Total 2H(10-12) 12H(14-16) 12H(7-19) 24H(0-24)	350	68.6	60.7	7.6	0	0	0	0	0	0	18	67	101	130	28	6
	334	69.8	60.1	9.4	0	1	2	0	5	4	10	68	100	107	26	11
	1693	69.5	60.4	8.8	0	3	4	6	11	14	79	304	491	605	129	47
	1997	69.9	60.8	8.8	0	3	4	7	11	16	86	341	578	723	167	61
AM Peak	11:00 179	00:00 78.0	00:00 66.9	00:00 10.7	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	09:00 3	11:00 10	11:00 34	10:00 57	11:00 74	10:00 14	00:00 3
PM Peak	13:00 186	22:00 76.9	23:00 65.9	22:00 11.2	12:00 0	12:00 1	14:00 1	13:00 6	13:00 5	15:00 3	16:00 16	15:00 47	12:00 59	13:00 64	17:00 16	13:00 8

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	24	74.8	63.4	11.0	0	0	0	0	0	0	2	3	6	8	2	3
01:00	13	71.0	62.1	8.6	0	0	0	0	0	0	0	3	4	3	3	0
02:00	6	64.2	58.3	5.6	0	0	0	0	0	0	0	2	2	2	0	0
03:00	7	69.7	60.7	8.6	0	0	0	0	0	0	1	0	3	2	1	0
04:00	8	68.2	60.3	7.6	0	0	0	0	0	0	0	2	3	2	1	0
05:00	31	71.9	63.4	8.2	0	0	0	0	0	0	1	5	4	16	4	1
06:00	60	69.3	61.3	7.7	0	0	0	0	0	0	3	12	12	27	5	1
07:00	108	69.3	60.8	8.2	0	0	0	0	0	1	10	12	33	40	10	2
08:00	125	69.9	61.4	8.2	0	0	0	0	0	1	4	26	29	51	10	4
09:00	254	66.0	58.2	7.5	0	0	0	0	0	6	22	60	84	65	16	1
10:00	329	67.5	59.0	8.2	0	0	0	0	1	7	25	80	92	97	21	6
11:00	368	67.6	59.5	7.8	0	0	0	0	0	6	29	73	110	121	24	5
12:00	313	67.0	59.0	7.7	0	1	0	1	0	2	22	65	102	104	12	4
13:00	367	69.0	59.1	9.5	0	0	0	8	5	6	21	68	113	114	19	13
14:00	308	70.0	60.0	9.7	1	1	1	0	1	7	12	61	96	91	27	10
15:00	316	67.0	57.9	8.7	0	1	1	0	4	8	19	86	95	81	15	6
16:00	313	68.5	59.2	9.0	0	1	0	0	0	7	27	63	98	90	16	11
17:00	254	69.6	60.6	8.6	0	0	1	0	1	4	14	43	66	98	21	6
18:00	245	69.3	59.8	9.2	0	1	2	0	0	3	14	55	59	85	22	4
19:00	164	68.5	59.3	8.8	0	0	1	0	0	6	9	31	52	52	8	5
20:00	104	70.1	60.7	9.0	0	0	0	0	0	2	5	23	27	33	10	4
21:00	81	69.1	59.6	9.1	0	0	1	0	1	0	4	17	25	25	6	2
22:00	46	77.2	65.8	11.0	0	0	0	1	0	0	0	4	11	16	8	6
23:00	16	72.5	60.5	11.6	0	0	0	1	0	0	1	2	5	3	4	0
Total 2H(10-12)	697	67.5	59.2	8.0	0	0	0	0	1	13	54	153	202	218	45	11
2H(14-16)	624	68.6	58.9	9.3	1	2	2	0	5	15	31	147	191	172	42	16
12H(7-19)	3300	68.3	59.3	8.6	1	5	5	9	12	58	219	692	977	1037	213	72
24H(0-24)	3860	68.6	59.6	8.7	1	5	7	11	13	66	245	796	1131	1226	265	94
AM Peak	11:00 368	00:00 74.8	00:00 63.4	00:00 11.0	00:00 0	00:00 0	00:00 0	00:00 0	10:00 1	10:00 7	11:00 29	10:00 80	11:00 110	11:00 121	11:00 24	10:00 6
PM Peak	13:00 367	22:00 77.2	22:00 65.8	23:00 11.6	14:00 1	12:00 1	18:00 2	13:00 8	13:00 5	15:00 8	16:00 27	15:00 86	13:00 113	13:00 114	14:00 27	13:00 13

Paul Castle Associates

Tween Bridge ATC 18, A18

Direction: Westbound

12/06/2023																
Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 >=80
00:00	7	63.5	58.2	5.1	0	0	0	0	0	0	0	2	3	2	0	0
01:00	4	63.5	58.1	5.2	0	0	0	0	0	0	0	1	2	1	0	0
02:00	6	57.8	55.0	2.7	0	0	0	0	0	0	0	3	3	0	0	0
03:00	11	66.9	59.3	7.3	0	0	0	0	0	0	0	4	3	3	1	0
04:00	18	70.9	60.6	10.0	0	0	0	0	0	1	3	1	3	7	3	0
05:00	74	68.7	60.0	8.4	0	0	0	0	0	1	7	14	19	25	7	1
06:00	118	68.0	59.3	8.4	0	0	0	0	1	1	8	32	28	37	9	2
07:00	247	65.2	57.8	7.1	0	0	0	0	0	2	25	66	79	64	9	2
08:00	226	65.7	56.5	8.9	0	1	0	6	4	4	21	54	71	56	8	1
09:00	147	64.6	54.8	9.5	0	0	1	2	6	10	17	46	30	27	7	1
10:00	107	65.1	56.5	8.3	0	0	0	0	0	5	17	29	29	21	4	2
11:00	152	64.5	54.8	9.3	0	0	3	3	2	7	18	48	35	31	4	1
12:00	129	64.2	56.3	7.7	0	0	0	1	0	4	18	39	35	27	4	1
13:00	156	65.5	57.1	8.1	0	0	0	0	1	5	18	48	39	36	7	2
14:00	188	63.4	54.7	8.4	0	1	0	1	5	13	23	51	60	27	7	0
15:00	195	64.9	56.1	8.4	0	0	1	2	4	7	18	50	70	34	7	2
16:00	259	65.8	58.0	7.6	0	0	0	2	2	3	18	65	86	72	8	3
17:00	213	68.0	60.2	7.6	0	0	0	0	0	2	9	39	73	74	11	5
18:00	128	67.4	59.1	8.0	0	0	0	1	0	2	7	29	43	34	11	1
19:00	86	68.6	60.0	8.2	0	0	0	0	0	3	4	16	24	32	5	2
20:00	50	70.0	59.8	9.9	0	0	0	0	1	3	4	6	15	12	9	0
21:00	48	65.9	56.4	9.2	0	0	0	0	2	2	7	9	16	9	2	1
22:00	24	62.1	53.5	8.3	0	0	0	0	1	1	7	6	5	3	1	0
23:00	14	64.9	53.0	11.5	0	0	0	2	0	0	2	5	2	2	1	0
Total																
2H(10-12)	259	64.8	55.5	8.9	0	0	3	3	2	12	35	77	64	52	8	3
2H(14-16)	383	64.2	55.4	8.4	0	1	1	3	9	20	41	101	130	61	14	2
12H(7-19)	2147	65.6	57.0	8.3	0	2	5	18	24	64	209	564	650	503	87	21
24H(0-24)	2607	66.0	57.3	8.5	0	2	5	20	29	76	251	663	773	636	125	27
AM Peak	07:00	04:00	04:00	04:00	00:00	08:00	11:00	08:00	09:00	09:00	07:00	07:00	07:00	07:00	06:00	06:00
	247	70.9	60.6	10.0	0	1	3	6	6	10	25	66	79	64	9	2
PM Peak	16:00	20:00	17:00	23:00	12:00	14:00	15:00	15:00	14:00	14:00	14:00	16:00	16:00	17:00	17:00	17:00
	259	70.0	60.2	11.5	0	1	1	2	5	13	23	65	86	74	11	5

Paul Castle Associates

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<70	Bin 11 70<80	Bin 12 >=80
00:00	7	66.0	57.9	7.8	0	0	0	0	0	0	2	0	2	3	0	0
01:00	4	80.8	66.9	13.4	0	0	0	0	0	0	0	1	0	2	0	1
02:00	7	65.2	60.0	5.0	0	0	0	0	0	0	0	1	3	3	0	0
03:00	8	64.7	55.6	8.7	0	0	0	0	1	0	0	2	3	2	0	0
04:00	16	69.0	58.4	10.2	0	0	0	0	2	0	0	3	3	7	1	0
05:00	72	71.1	62.7	8.1	0	0	0	0	0	0	0	12	22	25	11	2
06:00	109	69.9	60.8	8.8	0	0	0	0	0	2	12	15	25	39	15	1
07:00	263	65.0	58.0	6.7	0	0	0	0	0	2	18	76	86	70	10	1
08:00	255	64.5	56.1	8.1	0	0	0	0	3	14	37	67	66	59	6	3
09:00	183	66.2	57.5	8.4	0	0	0	0	5	2	27	32	63	40	13	1
10:00	148	67.1	59.4	7.4	0	0	0	0	1	1	8	32	46	50	9	1
11:00	152	66.7	57.5	8.8	0	0	2	0	0	7	13	32	52	36	8	2
12:00	180	66.8	57.6	8.9	0	0	0	0	0	5	34	42	34	53	8	4
13:00	194	69.2	56.8	11.9	0	1	9	4	1	6	17	36	43	62	12	3
14:00	207	66.0	56.1	9.6	0	0	4	1	8	7	19	49	58	52	7	2
15:00	239	68.6	61.2	7.2	0	0	0	0	0	2	3	42	71	102	14	5
16:00	259	69.6	57.8	11.4	0	0	1	19	8	6	5	42	75	78	19	6
17:00	304	68.8	61.3	7.2	0	0	1	0	0	0	4	49	97	125	24	4
18:00	134	75.7	64.7	10.7	0	0	1	2	1	4	1	9	19	59	31	7
19:00	104	74.9	64.1	10.4	0	0	0	0	1	7	4	6	11	48	22	5
20:00	81	73.5	64.9	8.3	0	0	0	0	0	0	2	8	14	37	17	3
21:00	43	70.8	64.0	6.5	0	0	0	0	0	0	0	2	13	20	8	0
22:00	31	72.5	60.6	11.5	0	0	0	0	0	1	6	3	7	9	2	3
23:00	12	67.6	58.1	9.2	0	0	0	0	0	1	1	3	2	4	1	0
Total																
2H(10-12)	300	67.0	58.5	8.2	0	0	2	0	1	8	21	64	98	86	17	3
2H(14-16)	446	67.9	58.8	8.8	0	0	4	1	8	9	22	91	129	154	21	7
12H(7-19)	2518	68.1	58.6	9.2	0	1	18	26	27	56	186	508	710	786	161	39
24H(0-24)	3012	68.9	59.2	9.3	0	1	18	26	31	67	213	564	815	985	238	54
AM Peak	07:00	01:00	01:00	01:00	00:00	00:00	11:00	00:00	09:00	08:00	08:00	07:00	07:00	07:00	06:00	08:00
	263	80.8	66.9	13.4	0	0	2	0	5	14	37	76	86	70	15	3
PM Peak	17:00	18:00	20:00	13:00	12:00	13:00	13:00	16:00	14:00	14:00	12:00	14:00	17:00	17:00	18:00	18:00
	304	75.7	64.9	11.9	0	1	9	19	8	7	34	49	97	125	31	7

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10mph	Bin 2 10<20	Bin 3 20<30	Bin 4 30<35	Bin 5 35<40	Bin 6 40<45	Bin 7 45<50	Bin 8 50<55	Bin 9 55<60	Bin 10 60<70	Bin 11 70<80	Bin 12 ≥80
00:00	14	64.6	58.0	6.4	0	0	0	0	0	0	2	2	5	5	0	0
01:00	8	73.4	62.5	10.5	0	0	0	0	0	0	0	2	2	3	0	1
02:00	13	62.6	57.7	4.7	0	0	0	0	0	0	0	4	6	3	0	0
03:00	19	66.0	57.8	7.9	0	0	0	0	1	0	0	6	6	5	1	0
04:00	34	69.9	59.6	10.0	0	0	0	0	2	1	3	4	6	14	4	0
05:00	146	69.9	61.3	8.3	0	0	0	0	0	1	7	26	41	50	18	3
06:00	227	68.9	60.0	8.6	0	0	0	0	1	3	20	47	53	76	24	3
07:00	510	65.1	57.9	6.9	0	0	0	0	0	4	43	142	165	134	19	3
08:00	481	65.1	56.3	8.5	0	1	0	6	7	18	58	121	137	115	14	4
09:00	330	65.6	56.3	9.0	0	0	1	2	11	12	44	78	93	67	20	2
10:00	255	66.4	58.2	7.9	0	0	0	0	1	6	25	61	75	71	13	3
11:00	304	65.7	56.2	9.2	0	0	5	3	2	14	31	80	87	67	12	3
12:00	309	65.8	57.1	8.4	0	0	0	1	0	9	52	81	69	80	12	5
13:00	350	67.7	56.9	10.4	0	1	9	4	2	11	35	84	82	98	19	5
14:00	395	64.8	55.4	9.0	0	1	4	2	13	20	42	100	118	79	14	2
15:00	434	67.4	58.9	8.2	0	0	1	2	4	9	21	92	141	136	21	7
16:00	518	67.9	57.9	9.7	0	0	1	21	10	9	23	107	161	150	27	9
17:00	517	68.5	60.8	7.4	0	0	1	0	0	2	13	88	170	199	35	9
18:00	262	72.2	61.9	9.9	0	0	1	3	1	6	8	38	62	93	42	8
19:00	190	72.3	62.3	9.7	0	0	0	0	1	10	8	22	35	80	27	7
20:00	131	72.5	62.9	9.3	0	0	0	0	1	3	6	14	29	49	26	3
21:00	91	69.2	60.0	8.9	0	0	0	0	2	2	7	11	29	29	10	1
22:00	55	68.6	57.5	10.7	0	0	0	0	1	2	13	9	12	12	3	3
23:00	26	66.4	55.4	10.6	0	0	0	2	0	1	3	8	4	6	2	0
Total																
2H(10-12)	559	66.1	57.1	8.7	0	0	5	3	3	20	56	141	162	138	25	6
2H(14-16)	829	66.3	57.3	8.8	0	1	5	4	17	29	63	192	259	215	35	9
12H(7-19)	4665	67.0	57.8	8.8	0	3	23	44	51	120	395	1072	1360	1289	248	60
24H(0-24)	5619	67.6	58.3	9.0	0	3	23	46	60	143	464	1227	1588	1621	363	81
AM Peak	07:00 510	01:00 73.4	01:00 62.5	01:00 10.5	00:00 0	08:00 1	11:00 5	08:00 6	09:00 11	08:00 18	08:00 58	07:00 142	07:00 165	07:00 134	06:00 24	08:00 4
PM Peak	16:00 518	20:00 72.5	20:00 62.9	22:00 10.7	12:00 0	13:00 1	13:00 9	16:00 21	14:00 13	14:00 20	12:00 52	16:00 107	17:00 170	17:00 199	18:00 42	16:00 9



Appendix S : Automatic Traffic Survey Reports – Link 19

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	0	0	0	0	0	0	0	0	0
01:00	0	0	1	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	1	1	1	1	1	1
06:00	0	2	1	1	2	0	0	1	1
07:00	2	7	1	3	0	0	4	3	2
08:00	10	9	5	7	4	1	2	7	5
09:00	6	2	12	7	3	5	9	7	6
10:00	4	7	5	3	5	2	3	4	4
11:00	5	3	2	6	2	3	5	4	4
12:00	5	6	5	5	4	1	0	4	4
13:00	7	7	7	3	5	5	6	6	6
14:00	2	3	6	4	2	6	9	5	5
15:00	2	4	2	5	4	6	2	3	4
16:00	5	5	3	4	0	1	3	4	3
17:00	7	4	5	10	5	2	1	5	5
18:00	5	4	5	4	6	5	3	4	5
19:00	0	2	6	2	3	2	2	2	2
20:00	0	0	1	1	4	0	0	0	0
21:00	0	1	0	1	1	0	2	1	1
22:00	0	1	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	60	61	58	61	40	37	47	57	52
16H(6-22)	60	66	66	66	50	39	51	62	57
18H(6-24)	60	67	66	66	50	39	51	62	57
24H(0-24)	61	67	67	67	51	40	52	63	58
AM Peak	08:00	08:00	09:00	08:00	10:00	09:00	09:00	09:00	09:00
PM Peak	13:00	13:00	13:00	17:00	18:00	14:00	14:00	13:00	13:00

Paul Castle Associates

Direction: Northeastbound

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	0	0	0	0	0	0	0	0	0
01:00	0	0	1	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	1	0	0
05:00	0	0	0	0	0	0	0	0	0
06:00	0	0	0	1	1	1	1	0	1
07:00	2	2	1	5	3	1	1	2	2
08:00	6	9	4	4	3	1	2	5	4
09:00	5	3	8	4	2	3	2	4	4
10:00	6	7	6	5	3	4	11	7	6
11:00	3	1	3	7	3	2	3	3	3
12:00	6	8	6	4	4	1	1	5	4
13:00	7	7	5	4	5	4	6	6	5
14:00	2	5	4	7	3	5	9	5	5
15:00	3	2	4	5	3	4	0	3	3
16:00	4	6	1	4	2	1	2	3	3
17:00	6	3	4	5	3	4	1	4	4
18:00	7	5	7	2	3	0	2	5	4
19:00	2	4	5	4	3	4	0	3	3
20:00	3	0	1	0	5	1	3	1	2
21:00	0	0	0	1	5	0	3	1	1
22:00	0	1	0	0	1	1	0	0	0
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	57	58	53	56	37	30	40	53	47
16H(6-22)	62	62	59	62	51	36	47	58	54
18H(6-24)	62	63	59	62	52	37	47	59	55
24H(0-24)	62	63	60	62	52	37	48	59	55
AM Peak	08:00	08:00	09:00	11:00	07:00	10:00	10:00	10:00	10:00
PM Peak	13:00	12:00	18:00	14:00	13:00	14:00	14:00	13:00	13:00

Paul Castle Associates

Direction: Total Flow

Hour	Tue	Wed	Thu	Fri	Sat	Sun	Mon	5-Day	7-Day
Beginning	06/06/2023	07/06/2023	08/06/2023	09/06/2023	10/06/2023	11/06/2023	12/06/2023	Ave.	Ave.
00:00	0	0	0	0	0	0	0	0	0
01:00	0	0	2	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	1	0	0
05:00	1	0	0	1	1	1	1	1	1
06:00	0	2	1	2	3	1	1	1	1
07:00	4	9	2	8	3	1	5	6	5
08:00	16	18	9	11	7	2	4	12	10
09:00	11	5	20	11	5	8	11	12	10
10:00	10	14	11	8	8	6	14	11	10
11:00	8	4	5	13	5	5	8	8	7
12:00	11	14	11	9	6	2	1	9	8
13:00	14	14	12	7	10	9	12	12	11
14:00	4	8	10	11	5	11	18	10	10
15:00	5	6	6	10	7	10	2	6	7
16:00	9	11	4	8	2	2	5	7	6
17:00	13	7	9	15	8	6	2	9	9
18:00	12	9	12	6	9	5	5	9	8
19:00	2	6	11	6	6	6	2	5	6
20:00	3	0	2	1	9	1	3	2	3
21:00	0	1	0	2	6	0	5	2	2
22:00	0	2	0	0	1	1	0	0	1
23:00	0	0	0	0	0	0	0	0	0
Total									
12H(7-19)	117	119	111	117	77	67	87	110	99
16H(6-22)	122	128	125	128	101	75	98	120	111
18H(6-24)	122	130	125	128	102	76	98	121	112
24H(0-24)	123	130	127	129	103	77	100	122	113
AM Peak	08:00	08:00	09:00	11:00	10:00	09:00	10:00	08:00	09:00
PM Peak	13:00	12:00	13:00	17:00	13:00	14:00	14:00	13:00	13:00

Paul Castle Associates

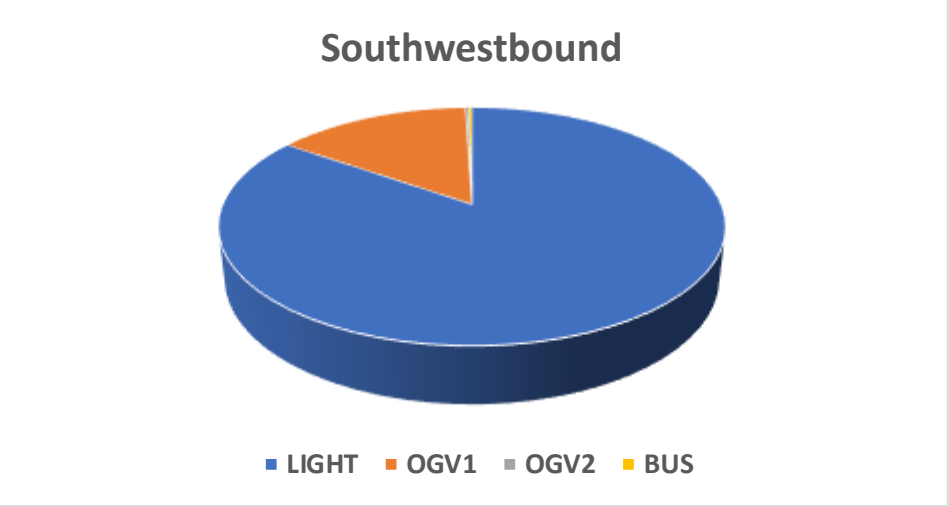


Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	61	48	13	0	0
Wed 7 Jun 2023	67	53	13	0	1
Thu 8 Jun 2023	67	59	8	0	0
Fri 9 Jun 2023	67	61	6	0	0
Sat 10 Jun 2023	51	44	7	0	0
Sun 11 Jun 2023	40	35	4	1	0
Mon 12 Jun 2023	52	43	9	0	0
5 Day Ave.	63	53	10	0	0
7 Day Ave.	58	49	9	0	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	78.7%	21.3%	0.0%	0.0%
Wed 7 Jun 2023	100.0%	79.1%	19.4%	0.0%	1.5%
Thu 8 Jun 2023	100.0%	88.1%	11.9%	0.0%	0.0%
Fri 9 Jun 2023	100.0%	91.0%	9.0%	0.0%	0.0%
Sat 10 Jun 2023	100.0%	86.3%	13.7%	0.0%	0.0%
Sun 11 Jun 2023	100.0%	87.5%	10.0%	2.5%	0.0%
Mon 12 Jun 2023	100.0%	82.7%	17.3%	0.0%	0.0%
5 Day Ave.	100.0%	84.1%	15.6%	0.0%	0.3%
7 Day Ave.	100.0%	84.7%	14.8%	0.2%	0.2%

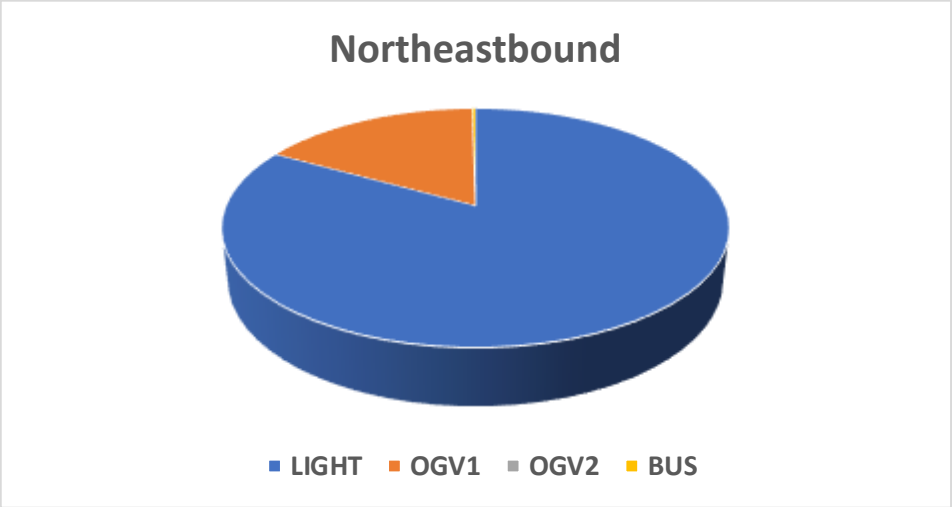
Paul Castle Associates



Direction: Northeastbound					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	62	49	13	0	0
Wed 7 Jun 2023	63	48	14	0	1
Thu 8 Jun 2023	60	52	8	0	0
Fri 9 Jun 2023	62	54	8	0	0
Sat 10 Jun 2023	52	44	8	0	0
Sun 11 Jun 2023	37	33	4	0	0
Mon 12 Jun 2023	48	39	9	0	0
5 Day Ave.	59	48	10	0	0
7 Day Ave.	55	46	9	0	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	79.0%	21.0%	0.0%	0.0%
Wed 7 Jun 2023	100.0%	76.2%	22.2%	0.0%	1.6%
Thu 8 Jun 2023	100.0%	86.7%	13.3%	0.0%	0.0%
Fri 9 Jun 2023	100.0%	87.1%	12.9%	0.0%	0.0%
Sat 10 Jun 2023	100.0%	84.6%	15.4%	0.0%	0.0%
Sun 11 Jun 2023	100.0%	89.2%	10.8%	0.0%	0.0%
Mon 12 Jun 2023	100.0%	81.3%	18.8%	0.0%	0.0%
5 Day Ave.	100.0%	82.0%	17.6%	0.0%	0.3%
7 Day Ave.	100.0%	83.1%	16.7%	0.0%	0.3%

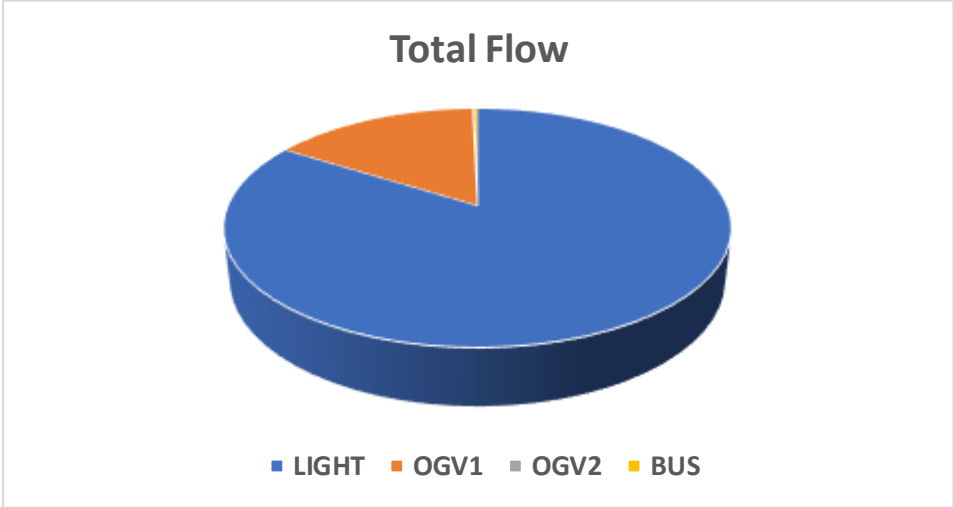
Paul Castle Associates



Direction: Total Flow					
	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	123	97	26	0	0
Wed 7 Jun 2023	130	101	27	0	2
Thu 8 Jun 2023	127	111	16	0	0
Fri 9 Jun 2023	129	115	14	0	0
Sat 10 Jun 2023	103	88	15	0	0
Sun 11 Jun 2023	77	68	8	1	0
Mon 12 Jun 2023	100	82	18	0	0
5 Day Ave.	122	101	20	0	0
7 Day Ave.	113	95	18	0	0

	Total Volume	LIGHT	OGV1	OGV2	BUS
Tue 6 Jun 2023	100.0%	78.9%	21.1%	0.0%	0.0%
Wed 7 Jun 2023	100.0%	77.7%	20.8%	0.0%	1.5%
Thu 8 Jun 2023	100.0%	87.4%	12.6%	0.0%	0.0%
Fri 9 Jun 2023	100.0%	89.1%	10.9%	0.0%	0.0%
Sat 10 Jun 2023	100.0%	85.4%	14.6%	0.0%	0.0%
Sun 11 Jun 2023	100.0%	88.3%	10.4%	1.3%	0.0%
Mon 12 Jun 2023	100.0%	82.0%	18.0%	0.0%	0.0%
5 Day Ave.	100.0%	83.1%	16.6%	0.0%	0.3%
7 Day Ave.	100.0%	83.9%	15.7%	0.1%	0.3%

Paul Castle Associates

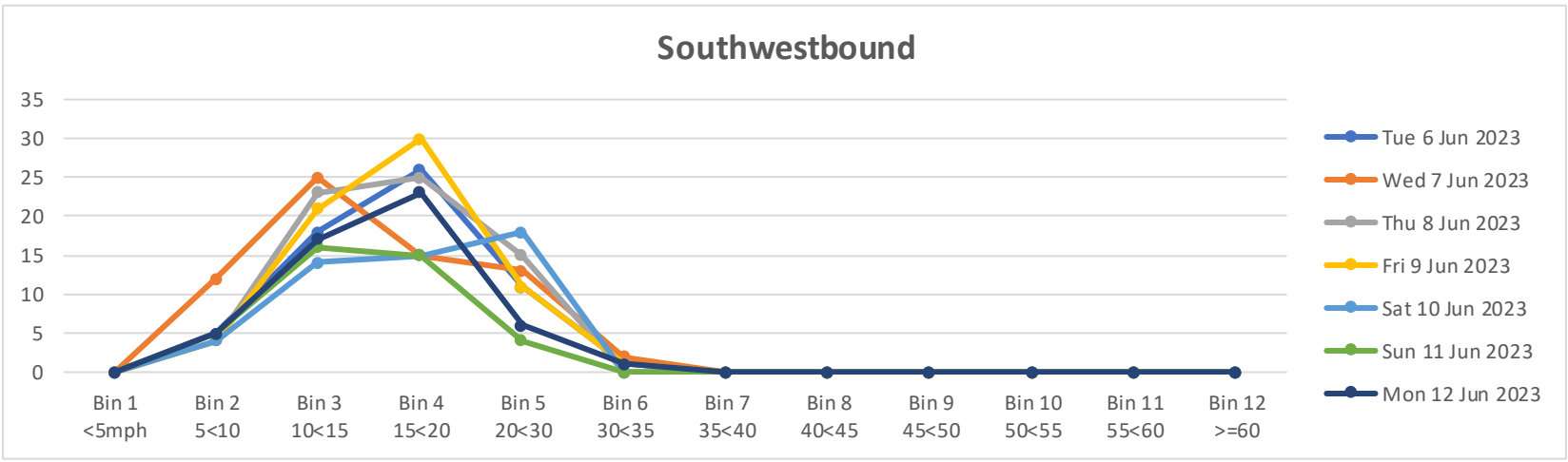


Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	61	22.4	16.8	5.4	0	5	18	26	11	1	0	0	0	0	0	0
Wed 7 Jun 2023	67	22.5	15.7	6.5	0	12	25	15	13	2	0	0	0	0	0	0
Thu 8 Jun 2023	67	22.3	16.9	5.2	0	4	23	25	15	0	0	0	0	0	0	0
Fri 9 Jun 2023	67	22.1	16.8	5.1	0	4	21	30	11	1	0	0	0	0	0	0
Sat 10 Jun 2023	51	24.1	18.0	5.9	0	4	14	15	18	0	0	0	0	0	0	0
Sun 11 Jun 2023	40	19.9	15.0	4.7	0	5	16	15	4	0	0	0	0	0	0	0
Mon 12 Jun 2023	52	21.4	16.1	5.2	0	5	17	23	6	1	0	0	0	0	0	0
5 Day Ave.	63	22.1	16.5	5.5	0	6	21	24	11	1	0	0	0	0	0	0
7 Day Ave.	58	22.1	16.5	5.4	0	6	19	21	11	1	0	0	0	0	0	0

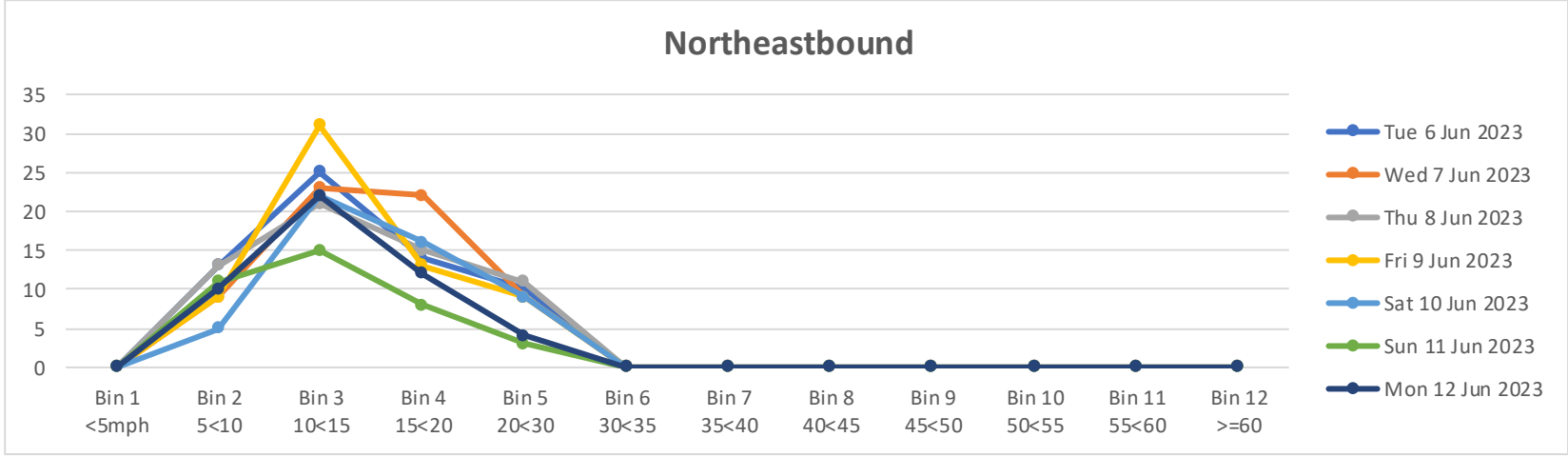
Paul Castle Associates



Direction: Northeastbound

	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	62	20.5	14.6	5.7	0	13	25	14	10	0	0	0	0	0	0	0
Wed 7 Jun 2023	63	20.7	15.3	5.2	0	9	23	22	9	0	0	0	0	0	0	0
Thu 8 Jun 2023	60	21.1	15.0	5.9	0	13	21	15	11	0	0	0	0	0	0	0
Fri 9 Jun 2023	62	20.1	14.6	5.2	0	9	31	13	9	0	0	0	0	0	0	0
Sat 10 Jun 2023	52	21.1	15.7	5.2	0	5	22	16	9	0	0	0	0	0	0	0
Sun 11 Jun 2023	37	18.4	13.1	5.1	0	11	15	8	3	0	0	0	0	0	0	0
Mon 12 Jun 2023	48	18.8	13.8	4.8	0	10	22	12	4	0	0	0	0	0	0	0
5 Day Ave.	59	20.2	14.7	5.4	0	11	24	15	9	0	0	0	0	0	0	0
7 Day Ave.	55	20.1	14.6	5.3	0	10	23	14	8	0	0	0	0	0	0	0

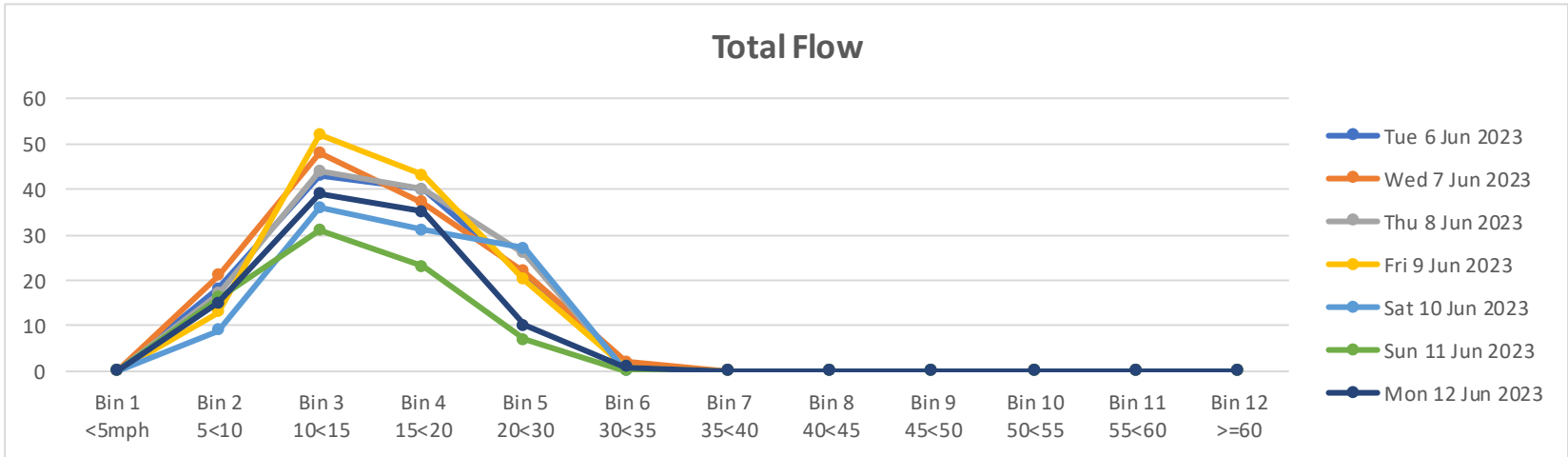
Paul Castle Associates



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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	123	21.5	15.7	5.6	0	18	43	40	21	1	0	0	0	0	0	0
Wed 7 Jun 2023	130	21.7	15.5	5.9	0	21	48	37	22	2	0	0	0	0	0	0
Thu 8 Jun 2023	127	21.8	16.0	5.6	0	17	44	40	26	0	0	0	0	0	0	0
Fri 9 Jun 2023	129	21.2	15.8	5.3	0	13	52	43	20	1	0	0	0	0	0	0
Sat 10 Jun 2023	103	22.7	16.8	5.7	0	9	36	31	27	0	0	0	0	0	0	0
Sun 11 Jun 2023	77	19.2	14.1	5.0	0	16	31	23	7	0	0	0	0	0	0	0
Mon 12 Jun 2023	100	20.3	15.0	5.1	0	15	39	35	10	1	0	0	0	0	0	0
5 Day Ave.	122	21.3	15.6	5.5	0	17	45	39	20	1	0	0	0	0	0	0
7 Day Ave.	113	21.2	15.5	5.5	0	16	42	36	19	1	0	0	0	0	0	0

Paul Castle Associates



Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	9	22.8	16.9	5.7	0	1	2	4	2	0	0	0	0	0	0	0
Wed 7 Jun 2023	10	20.7	13.5	7.0	0	2	7	0	0	1	0	0	0	0	0	0
Thu 8 Jun 2023	7	23.5	18.2	5.1	0	0	2	3	2	0	0	0	0	0	0	0
Fri 9 Jun 2023	9	27.4	20.0	7.2	0	0	3	2	3	1	0	0	0	0	0	0
Sat 10 Jun 2023	7	25.7	18.6	6.9	0	1	1	2	3	0	0	0	0	0	0	0
Sun 11 Jun 2023	5	21.9	15.0	6.6	0	1	2	1	1	0	0	0	0	0	0	0
Mon 12 Jun 2023	8	22.2	15.6	6.4	0	1	4	1	2	0	0	0	0	0	0	0
5 Day Ave.	9	23.4	16.9	6.3	0	1	4	2	2	0	0	0	0	0	0	0
7 Day Ave.	8	23.5	16.8	6.4	0	1	3	2	2	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Northeastbound

	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	9	17.1	13.1	3.9	0	2	4	3	0	0	0	0	0	0	0	0
Wed 7 Jun 2023	8	22.7	16.3	6.3	0	1	3	2	2	0	0	0	0	0	0	0
Thu 8 Jun 2023	9	24.0	18.3	5.4	0	0	3	3	3	0	0	0	0	0	0	0
Fri 9 Jun 2023	12	20.9	14.6	6.1	0	3	4	3	2	0	0	0	0	0	0	0
Sat 10 Jun 2023	6	24.3	19.2	4.9	0	0	1	3	2	0	0	0	0	0	0	0
Sun 11 Jun 2023	6	20.7	13.8	6.7	0	2	2	1	1	0	0	0	0	0	0	0
Mon 12 Jun 2023	14	18.6	13.0	5.4	0	5	4	4	1	0	0	0	0	0	0	0
5 Day Ave.	10	20.7	15.1	5.4	0	2	4	3	2	0	0	0	0	0	0	0
7 Day Ave.	9	21.2	15.5	5.5	0	2	3	3	2	0	0	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
Tue 6 Jun 2023	18	20.3	15.0	5.1	0	3	6	7	2	0	0	0	0	0	0	0
Wed 7 Jun 2023	18	21.6	14.7	6.6	0	3	10	2	2	1	0	0	0	0	0	0
Thu 8 Jun 2023	16	23.6	18.3	5.1	0	0	5	6	5	0	0	0	0	0	0	0
Fri 9 Jun 2023	21	24.1	16.9	7.0	0	3	7	5	5	1	0	0	0	0	0	0
Sat 10 Jun 2023	13	24.9	18.8	5.8	0	1	2	5	5	0	0	0	0	0	0	0
Sun 11 Jun 2023	11	20.9	14.3	6.3	0	3	4	2	2	0	0	0	0	0	0	0
Mon 12 Jun 2023	22	19.9	14.0	5.8	0	6	8	5	3	0	0	0	0	0	0	0
5 Day Ave.	19	21.9	15.8	5.9	0	3	7	5	3	0	0	0	0	0	0	0
7 Day Ave.	17	22.2	16.0	6.0	0	3	6	5	3	0	0	0	0	0	0	0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	4	23.4	15.6	7.5	0	1	1	1	1	0	0	0	0	0	0	0
Wed 7 Jun 2023	7	25.1	18.6	6.3	0	0	3	1	3	0	0	0	0	0	0	0
Thu 8 Jun 2023	8	24.0	16.6	7.2	0	1	4	0	3	0	0	0	0	0	0	0
Fri 9 Jun 2023	9	16.8	14.2	2.5	0	0	6	3	0	0	0	0	0	0	0	0
Sat 10 Jun 2023	6	24.2	18.3	5.6	0	0	2	2	2	0	0	0	0	0	0	0
Sun 11 Jun 2023	12	19.5	14.4	4.9	0	2	5	4	1	0	0	0	0	0	0	0
Mon 12 Jun 2023	11	18.6	16.1	2.3	0	0	3	8	0	0	0	0	0	0	0	0
5 Day Ave.	8	21.6	16.2	5.2	0	0	3	3	1	0	0	0	0	0	0	0
7 Day Ave.	8	21.6	16.3	5.2	0	1	3	3	1	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Northeastbound

	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	5	16.2	12.5	3.5	0	1	3	1	0	0	0	0	0	0	0	0
Wed 7 Jun 2023	7	21.5	15.7	5.5	0	1	2	3	1	0	0	0	0	0	0	0
Thu 8 Jun 2023	8	19.9	13.4	6.3	0	3	2	2	1	0	0	0	0	0	0	0
Fri 9 Jun 2023	12	18.9	13.5	5.2	0	3	5	3	1	0	0	0	0	0	0	0
Sat 10 Jun 2023	6	24.2	18.3	5.6	0	0	2	2	2	0	0	0	0	0	0	0
Sun 11 Jun 2023	9	20.7	15.6	5.0	0	1	3	4	1	0	0	0	0	0	0	0
Mon 12 Jun 2023	9	16.8	14.2	2.5	0	0	6	3	0	0	0	0	0	0	0	0
5 Day Ave.	8	18.6	13.9	4.6	0	2	4	2	1	0	0	0	0	0	0	0
7 Day Ave.	8	19.7	14.7	4.8	0	1	3	3	1	0	0	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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
Tue 6 Jun 2023	9	19.6	13.9	5.5	0	2	4	2	1	0	0	0	0	0	0	0
Wed 7 Jun 2023	14	23.2	17.1	5.9	0	1	5	4	4	0	0	0	0	0	0	0
Thu 8 Jun 2023	16	22.0	15.0	6.7	0	4	6	2	4	0	0	0	0	0	0	0
Fri 9 Jun 2023	21	18.1	13.8	4.2	0	3	11	6	1	0	0	0	0	0	0	0
Sat 10 Jun 2023	12	23.9	18.3	5.4	0	0	4	4	4	0	0	0	0	0	0	0
Sun 11 Jun 2023	21	19.9	14.9	4.8	0	3	8	8	2	0	0	0	0	0	0	0
Mon 12 Jun 2023	20	17.9	15.3	2.6	0	0	9	11	0	0	0	0	0	0	0	0
5 Day Ave.	16	20.1	15.0	5.0	0	2	7	5	2	0	0	0	0	0	0	0
7 Day Ave.	16	20.6	15.5	5.0	0	2	7	5	2	0	0	0	0	0	0	0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
06/06/2023					
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	2	2	0	0	0
08:00	10	7	3	0	0
09:00	6	5	1	0	0
10:00	4	3	1	0	0
11:00	5	4	1	0	0
12:00	5	3	2	0	0
13:00	7	5	2	0	0
14:00	2	2	0	0	0
15:00	2	1	1	0	0
16:00	5	5	0	0	0
17:00	7	6	1	0	0
18:00	5	4	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)	60	47	13	0	0
16H(6-22)	60	47	13	0	0
18H(6-24)	60	47	13	0	0
24H(0-24)	61	48	13	0	0
AM Peak	08:00 10	08:00 7	08:00 3	00:00 0	00:00 0
PM Peak	13:00 7	17:00 6	12:00 2	12:00 0	12:00 0

Paul Castle Associates

Direction: Northeastbound					
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	6	3	3	0	0
09:00	5	5	0	0	0
10:00	6	5	1	0	0
11:00	3	2	1	0	0
12:00	6	4	2	0	0
13:00	7	5	2	0	0
14:00	2	1	1	0	0
15:00	3	2	1	0	0
16:00	4	3	1	0	0
17:00	6	6	0	0	0
18:00	7	6	1	0	0
19:00	2	2	0	0	0
20:00	3	3	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)	57	44	13	0	0
16H(6-22)	62	49	13	0	0
18H(6-24)	62	49	13	0	0
24H(0-24)	62	49	13	0	0
AM Peak	08:00 6	09:00 5	08:00 3	00:00 0	00:00 0
PM Peak	13:00 7	17:00 6	12:00 2	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	1	1	0	0	0
06:00	0	0	0	0	0
07:00	4	4	0	0	0
08:00	16	10	6	0	0
09:00	11	10	1	0	0
10:00	10	8	2	0	0
11:00	8	6	2	0	0
12:00	11	7	4	0	0
13:00	14	10	4	0	0
14:00	4	3	1	0	0
15:00	5	3	2	0	0
16:00	9	8	1	0	0
17:00	13	12	1	0	0
18:00	12	10	2	0	0
19:00	2	2	0	0	0
20:00	3	3	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)	117	91	26	0	0
16H(6-22)	122	96	26	0	0
18H(6-24)	122	96	26	0	0
24H(0-24)	123	97	26	0	0
AM Peak	08:00 16	08:00 10	08:00 6	00:00 0	00:00 0
PM Peak	13:00 14	17:00 12	12:00 4	12:00 0	12:00 0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
07/06/2023					
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	7	5	2	0	0
08:00	9	6	3	0	0
09:00	2	2	0	0	0
10:00	7	6	1	0	0
11:00	3	3	0	0	0
12:00	6	5	1	0	0
13:00	7	5	1	0	1
14:00	3	3	0	0	0
15:00	4	3	1	0	0
16:00	5	4	1	0	0
17:00	4	3	1	0	0
18:00	4	4	0	0	0
19:00	2	1	1	0	0
20:00	0	0	0	0	0
21:00	1	0	1	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	61	49	11	0	1
16H(6-22)	66	52	13	0	1
18H(6-24)	67	53	13	0	1
24H(0-24)	67	53	13	0	1
AM Peak	08:00	08:00	08:00	00:00	00:00
	9	6	3	0	0
PM Peak	13:00	12:00	12:00	12:00	13:00
	7	5	1	0	1

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	2	1	1	0	0
08:00	9	6	3	0	0
09:00	3	3	0	0	0
10:00	7	6	1	0	0
11:00	1	1	0	0	0
12:00	8	7	1	0	0
13:00	7	5	1	0	1
14:00	5	4	1	0	0
15:00	2	1	1	0	0
16:00	6	4	2	0	0
17:00	3	2	1	0	0
18:00	5	3	2	0	0
19:00	4	4	0	0	0
20:00	0	0	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	58	43	14	0	1
16H(6-22)	62	47	14	0	1
18H(6-24)	63	48	14	0	1
24H(0-24)	63	48	14	0	1
AM Peak	08:00	08:00	08:00	00:00	00:00
	9	6	3	0	0
PM Peak	12:00	12:00	16:00	12:00	13:00
	8	7	2	0	1

Paul Castle Associates

Direction: Total Flow					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	2	2	0	0	0
07:00	9	6	3	0	0
08:00	18	12	6	0	0
09:00	5	5	0	0	0
10:00	14	12	2	0	0
11:00	4	4	0	0	0
12:00	14	12	2	0	0
13:00	14	10	2	0	2
14:00	8	7	1	0	0
15:00	6	4	2	0	0
16:00	11	8	3	0	0
17:00	7	5	2	0	0
18:00	9	7	2	0	0
19:00	6	5	1	0	0
20:00	0	0	0	0	0
21:00	1	0	1	0	0
22:00	2	2	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	119	92	25	0	2
16H(6-22)	128	99	27	0	2
18H(6-24)	130	101	27	0	2
24H(0-24)	130	101	27	0	2
AM Peak	08:00	08:00	08:00	00:00	00:00
	18	12	6	0	0
PM Peak	12:00	12:00	16:00	12:00	13:00
	14	12	3	0	2

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
08/06/2023					
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	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	1	1	0	0	0
08:00	5	5	0	0	0
09:00	12	11	1	0	0
10:00	5	4	1	0	0
11:00	2	2	0	0	0
12:00	5	4	1	0	0
13:00	7	7	0	0	0
14:00	6	6	0	0	0
15:00	2	2	0	0	0
16:00	3	2	1	0	0
17:00	5	4	1	0	0
18:00	5	4	1	0	0
19:00	6	5	1	0	0
20:00	1	0	1	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	58	52	6	0	0
16H(6-22)	66	58	8	0	0
18H(6-24)	66	58	8	0	0
24H(0-24)	67	59	8	0	0
AM Peak	09:00	09:00	09:00	00:00	00:00
	12	11	1	0	0
PM Peak	13:00	13:00	12:00	12:00	12:00
	7	7	1	0	0

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	1	1	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	0	0	0	0	0
07:00	1	1	0	0	0
08:00	4	3	1	0	0
09:00	8	7	1	0	0
10:00	6	6	0	0	0
11:00	3	2	1	0	0
12:00	6	5	1	0	0
13:00	5	5	0	0	0
14:00	4	4	0	0	0
15:00	4	4	0	0	0
16:00	1	1	0	0	0
17:00	4	2	2	0	0
18:00	7	6	1	0	0
19:00	5	4	1	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	53	46	7	0	0
16H(6-22)	59	51	8	0	0
18H(6-24)	59	51	8	0	0
24H(0-24)	60	52	8	0	0
AM Peak	09:00	09:00	08:00	00:00	00:00
	8	7	1	0	0
PM Peak	18:00	18:00	17:00	12:00	12:00
	7	6	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	2	2	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	2	0	0	0
08:00	9	8	1	0	0
09:00	20	18	2	0	0
10:00	11	10	1	0	0
11:00	5	4	1	0	0
12:00	11	9	2	0	0
13:00	12	12	0	0	0
14:00	10	10	0	0	0
15:00	6	6	0	0	0
16:00	4	3	1	0	0
17:00	9	6	3	0	0
18:00	12	10	2	0	0
19:00	11	9	2	0	0
20:00	2	1	1	0	0
21:00	0	0	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	111	98	13	0	0
16H(6-22)	125	109	16	0	0
18H(6-24)	125	109	16	0	0
24H(0-24)	127	111	16	0	0
AM Peak	09:00	09:00	09:00	00:00	00:00
	20	18	2	0	0
PM Peak	13:00	13:00	17:00	12:00	12:00
	12	12	3	0	0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
09/06/2023					
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	1	1	0	0	0
07:00	3	3	0	0	0
08:00	7	7	0	0	0
09:00	7	6	1	0	0
10:00	3	3	0	0	0
11:00	6	6	0	0	0
12:00	5	5	0	0	0
13:00	3	1	2	0	0
14:00	4	4	0	0	0
15:00	5	5	0	0	0
16:00	4	3	1	0	0
17:00	10	9	1	0	0
18:00	4	3	1	0	0
19:00	2	2	0	0	0
20:00	1	1	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	61	55	6	0	0
16H(6-22)	66	60	6	0	0
18H(6-24)	66	60	6	0	0
24H(0-24)	67	61	6	0	0
AM Peak	08:00	08:00	09:00	00:00	00:00
	7	7	1	0	0
PM Peak	17:00	17:00	13:00	12:00	12:00
	10	9	2	0	0

Paul Castle Associates

Direction: Northeastbound					
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	5	4	1	0	0
08:00	4	4	0	0	0
09:00	4	4	0	0	0
10:00	5	3	2	0	0
11:00	7	7	0	0	0
12:00	4	4	0	0	0
13:00	4	3	1	0	0
14:00	7	6	1	0	0
15:00	5	4	1	0	0
16:00	4	3	1	0	0
17:00	5	5	0	0	0
18:00	2	2	0	0	0
19:00	4	3	1	0	0
20:00	0	0	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	56	49	7	0	0
16H(6-22)	62	54	8	0	0
18H(6-24)	62	54	8	0	0
24H(0-24)	62	54	8	0	0
AM Peak	11:00	11:00	10:00	00:00	00:00
	7	7	2	0	0
PM Peak	14:00	14:00	13:00	12:00	12:00
	7	6	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	1	1	0	0	0
06:00	2	2	0	0	0
07:00	8	7	1	0	0
08:00	11	11	0	0	0
09:00	11	10	1	0	0
10:00	8	6	2	0	0
11:00	13	13	0	0	0
12:00	9	9	0	0	0
13:00	7	4	3	0	0
14:00	11	10	1	0	0
15:00	10	9	1	0	0
16:00	8	6	2	0	0
17:00	15	14	1	0	0
18:00	6	5	1	0	0
19:00	6	5	1	0	0
20:00	1	1	0	0	0
21:00	2	2	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	117	104	13	0	0
16H(6-22)	128	114	14	0	0
18H(6-24)	128	114	14	0	0
24H(0-24)	129	115	14	0	0
AM Peak	11:00	11:00	10:00	00:00	00:00
	13	13	2	0	0
PM Peak	17:00	17:00	13:00	12:00	12:00
	15	14	3	0	0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
10/06/2023					
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	4	4	0	0	0
09:00	3	2	1	0	0
10:00	5	4	1	0	0
11:00	2	1	1	0	0
12:00	4	4	0	0	0
13:00	5	4	1	0	0
14:00	2	2	0	0	0
15:00	4	4	0	0	0
16:00	0	0	0	0	0
17:00	5	3	2	0	0
18:00	6	6	0	0	0
19:00	3	2	1	0	0
20:00	4	4	0	0	0
21:00	1	1	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	40	34	6	0	0
16H(6-22)	50	43	7	0	0
18H(6-24)	50	43	7	0	0
24H(0-24)	51	44	7	0	0
AM Peak	10:00	08:00	09:00	00:00	00:00
	5	4	1	0	0
PM Peak	18:00	18:00	17:00	12:00	12:00
	6	6	2	0	0

Paul Castle Associates

Direction: Northeastbound					
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	3	2	1	0	0
08:00	3	2	1	0	0
09:00	2	2	0	0	0
10:00	3	2	1	0	0
11:00	3	2	1	0	0
12:00	4	4	0	0	0
13:00	5	5	0	0	0
14:00	3	3	0	0	0
15:00	3	2	1	0	0
16:00	2	2	0	0	0
17:00	3	2	1	0	0
18:00	3	2	1	0	0
19:00	3	3	0	0	0
20:00	5	4	1	0	0
21:00	5	5	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	37	30	7	0	0
16H(6-22)	51	43	8	0	0
18H(6-24)	52	44	8	0	0
24H(0-24)	52	44	8	0	0
AM Peak	07:00	07:00	07:00	00:00	00:00
	3	2	1	0	0
PM Peak	13:00	13:00	15:00	12:00	12:00
	5	5	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	1	1	0	0	0
06:00	3	3	0	0	0
07:00	3	2	1	0	0
08:00	7	6	1	0	0
09:00	5	4	1	0	0
10:00	8	6	2	0	0
11:00	5	3	2	0	0
12:00	8	8	0	0	0
13:00	10	9	1	0	0
14:00	5	5	0	0	0
15:00	7	6	1	0	0
16:00	2	2	0	0	0
17:00	8	5	3	0	0
18:00	9	8	1	0	0
19:00	6	5	1	0	0
20:00	9	8	1	0	0
21:00	6	6	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	77	64	13	0	0
16H(6-22)	101	86	15	0	0
18H(6-24)	102	87	15	0	0
24H(0-24)	103	88	15	0	0
AM Peak	10:00	08:00	10:00	00:00	00:00
	8	6	2	0	0
PM Peak	13:00	13:00	17:00	12:00	12:00
	10	9	3	0	0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
11/06/2023					
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	0	0	0	0	0
08:00	1	1	0	0	0
09:00	5	3	2	0	0
10:00	2	1	0	1	0
11:00	3	3	0	0	0
12:00	1	1	0	0	0
13:00	5	5	0	0	0
14:00	6	5	1	0	0
15:00	6	6	0	0	0
16:00	1	1	0	0	0
17:00	2	2	0	0	0
18:00	5	5	0	0	0
19:00	2	1	1	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)	37	33	3	1	0
16H(6-22)	39	34	4	1	0
18H(6-24)	39	34	4	1	0
24H(0-24)	40	35	4	1	0
AM Peak	09:00	09:00	09:00	10:00	00:00
	5	3	2	1	0
PM Peak	14:00	15:00	14:00	12:00	12:00
	6	6	1	0	0

Paul Castle Associates

Direction: Northeastbound					
Hour Beginning	Total Volume	LIGHT	OGV1	OGV2	BUS
00:00	0	0	0	0	0
01:00	0	0	0	0	0
02:00	0	0	0	0	0
03:00	0	0	0	0	0
04:00	0	0	0	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	1	1	0	0	0
08:00	1	1	0	0	0
09:00	3	2	1	0	0
10:00	4	3	1	0	0
11:00	2	2	0	0	0
12:00	1	1	0	0	0
13:00	4	4	0	0	0
14:00	5	5	0	0	0
15:00	4	3	1	0	0
16:00	1	1	0	0	0
17:00	4	4	0	0	0
18:00	0	0	0	0	0
19:00	4	3	1	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	30	27	3	0	0
16H(6-22)	36	32	4	0	0
18H(6-24)	37	33	4	0	0
24H(0-24)	37	33	4	0	0
AM Peak	10:00	10:00	09:00	00:00	00:00
	4	3	1	0	0
PM Peak	14:00	14:00	15:00	12:00	12:00
	5	5	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	1	1	0	0	0
06:00	1	1	0	0	0
07:00	1	1	0	0	0
08:00	2	2	0	0	0
09:00	8	5	3	0	0
10:00	6	4	1	1	0
11:00	5	5	0	0	0
12:00	2	2	0	0	0
13:00	9	9	0	0	0
14:00	11	10	1	0	0
15:00	10	9	1	0	0
16:00	2	2	0	0	0
17:00	6	6	0	0	0
18:00	5	5	0	0	0
19:00	6	4	2	0	0
20:00	1	1	0	0	0
21:00	0	0	0	0	0
22:00	1	1	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	67	60	6	1	0
16H(6-22)	75	66	8	1	0
18H(6-24)	76	67	8	1	0
24H(0-24)	77	68	8	1	0
AM Peak	09:00	09:00	09:00	10:00	00:00
	8	5	3	1	0
PM Peak	14:00	14:00	19:00	12:00	12:00
	11	10	2	0	0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound					
12/06/2023					
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	4	4	0	0	0
08:00	2	2	0	0	0
09:00	9	8	1	0	0
10:00	3	3	0	0	0
11:00	5	4	1	0	0
12:00	0	0	0	0	0
13:00	6	5	1	0	0
14:00	9	6	3	0	0
15:00	2	1	1	0	0
16:00	3	1	2	0	0
17:00	1	1	0	0	0
18:00	3	3	0	0	0
19:00	2	2	0	0	0
20:00	0	0	0	0	0
21:00	2	2	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	47	38	9	0	0
16H(6-22)	51	42	9	0	0
18H(6-24)	51	42	9	0	0
24H(0-24)	52	43	9	0	0
AM Peak	09:00	09:00	09:00	00:00	00:00
	9	8	1	0	0
PM Peak	14:00	14:00	14:00	12:00	12:00
	9	6	3	0	0

Paul Castle Associates

Direction: Northeastbound					
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	1	0	1	0	0
05:00	0	0	0	0	0
06:00	1	1	0	0	0
07:00	1	1	0	0	0
08:00	2	1	1	0	0
09:00	2	2	0	0	0
10:00	11	11	0	0	0
11:00	3	2	1	0	0
12:00	1	1	0	0	0
13:00	6	5	1	0	0
14:00	9	5	4	0	0
15:00	0	0	0	0	0
16:00	2	1	1	0	0
17:00	1	1	0	0	0
18:00	2	2	0	0	0
19:00	0	0	0	0	0
20:00	3	3	0	0	0
21:00	3	3	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	40	32	8	0	0
16H(6-22)	47	39	8	0	0
18H(6-24)	47	39	8	0	0
24H(0-24)	48	39	9	0	0
AM Peak	10:00	10:00	04:00	00:00	00:00
	11	11	1	0	0
PM Peak	14:00	13:00	14:00	12:00	12:00
	9	5	4	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	1	0	1	0	0
05:00	1	1	0	0	0
06:00	1	1	0	0	0
07:00	5	5	0	0	0
08:00	4	3	1	0	0
09:00	11	10	1	0	0
10:00	14	14	0	0	0
11:00	8	6	2	0	0
12:00	1	1	0	0	0
13:00	12	10	2	0	0
14:00	18	11	7	0	0
15:00	2	1	1	0	0
16:00	5	2	3	0	0
17:00	2	2	0	0	0
18:00	5	5	0	0	0
19:00	2	2	0	0	0
20:00	3	3	0	0	0
21:00	5	5	0	0	0
22:00	0	0	0	0	0
23:00	0	0	0	0	0
Total					
12H(7-19)	87	70	17	0	0
16H(6-22)	98	81	17	0	0
18H(6-24)	98	81	17	0	0
24H(0-24)	100	82	18	0	0
AM Peak	10:00	10:00	11:00	00:00	00:00
	14	14	2	0	0
PM Peak	14:00	14:00	14:00	12:00	12:00
	18	11	7	0	0

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

06/06/2023																
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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
08:00	10	17.7	15.0	2.6	0	0	5	5	0	0	0	0	0	0	0	0
09:00	6	26.2	17.5	8.4	0	1	1	3	0	1	0	0	0	0	0	0
10:00	4	18.0	15.0	2.9	0	0	2	2	0	0	0	0	0	0	0	0
11:00	5	26.0	18.5	7.2	0	1	0	2	2	0	0	0	0	0	0	0
12:00	5	25.1	19.5	5.4	0	0	1	2	2	0	0	0	0	0	0	0
13:00	7	25.2	20.0	5.0	0	0	1	3	3	0	0	0	0	0	0	0
14:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
15:00	2	29.1	16.3	12.4	0	1	0	0	1	0	0	0	0	0	0	0
16:00	5	22.3	17.0	5.1	0	0	2	2	1	0	0	0	0	0	0	0
17:00	7	21.5	15.7	5.5	0	1	2	3	1	0	0	0	0	0	0	0
18:00	5	22.8	16.0	6.5	0	1	1	2	1	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																
2H(10-12)	9	22.8	16.9	5.7	0	1	2	4	2	0	0	0	0	0	0	0
2H(14-16)	4	23.4	15.6	7.5	0	1	1	1	1	0	0	0	0	0	0	0
12H(7-19)	60	22.5	16.9	5.4	0	5	17	26	11	1	0	0	0	0	0	0
24H(0-24)	61	22.4	16.8	5.4	0	5	18	26	11	1	0	0	0	0	0	0
AM Peak	08:00 10	09:00 26.2	11:00 18.5	09:00 8.4	00:00 0	09:00 1	08:00 5	08:00 5	11:00 2	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 7	15:00 29.1	13:00 20.0	15:00 12.4	12:00 0	15:00 1	16:00 2	13:00 3	13:00 3	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Northeastbound

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	7.5	7.5	0.0	0	2	0	0	0	0	0	0	0	0	0	0
08:00	6	21.4	16.3	4.9	0	0	3	2	1	0	0	0	0	0	0	0
09:00	5	22.6	18.0	4.5	0	0	1	3	1	0	0	0	0	0	0	0
10:00	6	18.4	14.2	4.1	0	1	2	3	0	0	0	0	0	0	0	0
11:00	3	13.8	10.8	2.9	0	1	2	0	0	0	0	0	0	0	0	0
12:00	6	20.8	14.6	6.0	0	1	3	1	1	0	0	0	0	0	0	0
13:00	7	18.6	12.1	6.2	0	3	3	0	1	0	0	0	0	0	0	0
14:00	2	12.5	12.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
15:00	3	17.7	12.5	5.0	0	1	1	1	0	0	0	0	0	0	0	0
16:00	4	23.0	16.9	5.9	0	0	2	1	1	0	0	0	0	0	0	0
17:00	6	21.4	13.8	7.4	0	3	0	2	1	0	0	0	0	0	0	0
18:00	7	23.1	16.1	6.7	0	1	3	1	2	0	0	0	0	0	0	0
19:00	2	12.5	12.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
20:00	3	28.3	20.8	7.2	0	0	1	0	2	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)	9	17.1	13.1	3.9	0	2	4	3	0	0	0	0	0	0	0	0
2H(14-16)	5	16.2	12.5	3.5	0	1	3	1	0	0	0	0	0	0	0	0
12H(7-19)	57	20.1	14.3	5.6	0	13	22	14	8	0	0	0	0	0	0	0
24H(0-24)	62	20.5	14.6	5.7	0	13	25	14	10	0	0	0	0	0	0	0
AM Peak	08:00 6	09:00 22.6	09:00 18.0	08:00 4.9	00:00 0	07:00 2	08:00 3	09:00 3	08:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 7	20:00 28.3	20:00 20.8	17:00 7.4	12:00 0	13:00 3	12:00 3	17:00 2	18:00 2	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	4	16.2	11.3	4.8	0	2	1	1	0	0	0	0	0	0	0	0
08:00	16	19.2	15.5	3.6	0	0	8	7	1	0	0	0	0	0	0	0
09:00	11	24.5	17.7	6.6	0	1	2	6	1	1	0	0	0	0	0	0
10:00	10	18.1	14.5	3.5	0	1	4	5	0	0	0	0	0	0	0	0
11:00	8	22.8	15.6	6.9	0	2	2	2	2	0	0	0	0	0	0	0
12:00	11	23.1	16.8	6.0	0	1	4	3	3	0	0	0	0	0	0	0
13:00	14	23.1	16.1	6.8	0	3	4	3	4	0	0	0	0	0	0	0
14:00	4	16.3	13.8	2.5	0	0	3	1	0	0	0	0	0	0	0	0
15:00	5	21.7	14.0	7.4	0	2	1	1	1	0	0	0	0	0	0	0
16:00	9	22.3	16.9	5.1	0	0	4	3	2	0	0	0	0	0	0	0
17:00	13	21.3	14.8	6.2	0	4	2	5	2	0	0	0	0	0	0	0
18:00	12	22.6	16.0	6.3	0	2	4	3	3	0	0	0	0	0	0	0
19:00	2	12.5	12.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
20:00	3	28.3	20.8	7.2	0	0	1	0	2	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)	18	20.3	15.0	5.1	0	3	6	7	2	0	0	0	0	0	0	0
2H(14-16)	9	19.6	13.9	5.5	0	2	4	2	1	0	0	0	0	0	0	0
12H(7-19)	117	21.5	15.6	5.6	0	18	39	40	19	1	0	0	0	0	0	0
24H(0-24)	123	21.5	15.7	5.6	0	18	43	40	21	1	0	0	0	0	0	0
AM Peak	08:00 16	09:00 24.5	09:00 17.7	11:00 6.9	00:00 0	07:00 2	08:00 8	08:00 7	11:00 2	09:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 14	20:00 28.3	20:00 20.8	15:00 7.4	12:00 0	17:00 4	12:00 4	17:00 5	13:00 4	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

07/06/2023

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
07:00	7	21.5	15.7	5.5	0	1	2	3	1	0	0	0	0	0	0	0
08:00	9	27.3	19.4	7.6	0	0	4	1	3	1	0	0	0	0	0	0
09:00	2	12.5	12.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
10:00	7	23.0	14.6	8.1	0	1	5	0	0	1	0	0	0	0	0	0
11:00	3	13.8	10.8	2.9	0	1	2	0	0	0	0	0	0	0	0	0
12:00	6	20.3	12.9	7.1	0	3	1	1	1	0	0	0	0	0	0	0
13:00	7	20.8	15.0	5.6	0	1	3	2	1	0	0	0	0	0	0	0
14:00	3	28.3	20.8	7.2	0	0	1	0	2	0	0	0	0	0	0	0
15:00	4	23.0	16.9	5.9	0	0	2	1	1	0	0	0	0	0	0	0
16:00	5	21.7	14.0	7.4	0	2	1	1	1	0	0	0	0	0	0	0
17:00	4	23.5	18.1	5.2	0	0	1	2	1	0	0	0	0	0	0	0
18:00	4	15.2	10.0	5.0	0	3	0	1	0	0	0	0	0	0	0	0
19:00	2	26.7	21.3	5.3	0	0	0	1	1	0	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	-	25.0	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	1	-	17.5	-	0	0	0	1	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	20.7	13.5	7.0	0	2	7	0	0	1	0	0	0	0	0	0
2H(14-16)	7	25.1	18.6	6.3	0	0	3	1	3	0	0	0	0	0	0	0
12H(7-19)	61	22.2	15.4	6.6	0	12	24	12	11	2	0	0	0	0	0	0
24H(0-24)	67	22.5	15.7	6.5	0	12	25	15	13	2	0	0	0	0	0	0
AM Peak	08:00	08:00	08:00	10:00	00:00	07:00	10:00	07:00	08:00	08:00	00:00	00:00	00:00	00:00	00:00	00:00
	9	27.3	19.4	8.1	0	1	5	3	3	1	0	0	0	0	0	0
PM Peak	13:00	14:00	21:00	16:00	12:00	12:00	13:00	13:00	14:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	7	28.3	25.0	7.4	0	3	3	2	2	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Northeastbound

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	19.8	12.5	7.1	0	1	0	1	0	0	0	0	0	0	0	0
08:00	9	22.7	18.1	4.5	0	0	2	5	2	0	0	0	0	0	0	0
09:00	3	17.2	14.2	2.9	0	0	2	1	0	0	0	0	0	0	0	0
10:00	7	23.6	16.8	6.6	0	1	2	2	2	0	0	0	0	0	0	0
11:00	1	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
12:00	8	21.4	15.3	5.9	0	2	1	4	1	0	0	0	0	0	0	0
13:00	7	15.5	12.5	2.9	0	1	5	1	0	0	0	0	0	0	0	0
14:00	5	21.9	15.0	6.6	0	1	2	1	1	0	0	0	0	0	0	0
15:00	2	17.5	17.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
16:00	6	24.6	17.5	6.9	0	1	1	2	2	0	0	0	0	0	0	0
17:00	3	24.9	18.3	6.3	0	0	1	1	1	0	0	0	0	0	0	0
18:00	5	16.2	12.5	3.5	0	1	3	1	0	0	0	0	0	0	0	0
19:00	4	16.7	12.5	4.1	0	1	2	1	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	1	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	8	22.7	16.3	6.3	0	1	3	2	2	0	0	0	0	0	0	0
2H(14-16)	7	21.5	15.7	5.5	0	1	2	3	1	0	0	0	0	0	0	0
12H(7-19)	58	21.0	15.6	5.3	0	8	20	21	9	0	0	0	0	0	0	0
24H(0-24)	63	20.7	15.3	5.2	0	9	23	22	9	0	0	0	0	0	0	0
AM Peak	08:00	10:00	08:00	07:00	00:00	07:00	08:00	08:00	08:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	9	23.6	18.1	7.1	0	1	2	5	2	0	0	0	0	0	0	0
PM Peak	12:00	17:00	17:00	16:00	12:00	12:00	13:00	12:00	16:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	8	24.9	18.3	6.9	0	2	5	4	2	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
07:00	9	20.8	15.0	5.6	0	2	2	4	1	0	0	0	0	0	0	0
08:00	18	25.0	18.8	6.1	0	0	6	6	5	1	0	0	0	0	0	0
09:00	5	15.8	13.5	2.2	0	0	4	1	0	0	0	0	0	0	0	0
10:00	14	23.1	15.7	7.2	0	2	7	2	2	1	0	0	0	0	0	0
11:00	4	13.8	11.3	2.5	0	1	3	0	0	0	0	0	0	0	0	0
12:00	14	20.8	14.3	6.3	0	5	2	5	2	0	0	0	0	0	0	0
13:00	14	18.4	13.8	4.5	0	2	8	3	1	0	0	0	0	0	0	0
14:00	8	24.4	17.2	7.0	0	1	3	1	3	0	0	0	0	0	0	0
15:00	6	21.8	17.1	4.6	0	0	2	3	1	0	0	0	0	0	0	0
16:00	11	23.2	15.9	7.0	0	3	2	3	3	0	0	0	0	0	0	0
17:00	7	23.5	18.2	5.1	0	0	2	3	2	0	0	0	0	0	0	0
18:00	9	15.7	11.4	4.2	0	4	3	2	0	0	0	0	0	0	0	0
19:00	6	21.6	15.4	6.0	0	1	2	2	1	0	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	-	25.0	-	0	0	0	0	1	0	0	0	0	0	0	0
22:00	2	18.7	15.0	3.5	0	0	1	1	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)	18	21.6	14.7	6.6	0	3	10	2	2	1	0	0	0	0	0	0
2H(14-16)	14	23.2	17.1	5.9	0	1	5	4	4	0	0	0	0	0	0	0
12H(7-19)	119	21.7	15.5	6.0	0	20	44	33	20	2	0	0	0	0	0	0
24H(0-24)	130	21.7	15.5	5.9	0	21	48	37	22	2	0	0	0	0	0	0
AM Peak	08:00 18	08:00 25.0	08:00 18.8	10:00 7.2	00:00 0	07:00 2	10:00 7	08:00 6	08:00 5	08:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	12:00 14	14:00 24.4	21:00 25.0	16:00 7.0	12:00 0	12:00 5	13:00 8	12:00 5	14:00 3	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

08/06/2023

[illegible]

Paul Castle Associates

Direction: Northeastbound

[illegible]

Paul Castle Associates

Direction: Total Flow

[illegible]

Paul Castle Associates

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

09/06/2023																
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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	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	3	17.5	17.5	0.0	0	0	0	3	0	0	0	0	0	0	0	0
08:00	7	22.0	16.4	5.4	0	1	1	4	1	0	0	0	0	0	0	0
09:00	7	24.0	17.5	6.3	0	1	1	3	2	0	0	0	0	0	0	0
10:00	3	28.3	20.8	7.2	0	0	1	0	2	0	0	0	0	0	0	0
11:00	6	27.7	19.6	7.8	0	0	2	2	1	1	0	0	0	0	0	0
12:00	5	22.6	18.0	4.5	0	0	1	3	1	0	0	0	0	0	0	0
13:00	3	27.0	22.5	4.3	0	0	0	1	2	0	0	0	0	0	0	0
14:00	4	12.5	12.5	0.0	0	0	4	0	0	0	0	0	0	0	0	0
15:00	5	18.3	15.5	2.7	0	0	2	3	0	0	0	0	0	0	0	0
16:00	4	23.0	16.9	5.9	0	0	2	1	1	0	0	0	0	0	0	0
17:00	10	18.9	14.5	4.2	0	2	2	6	0	0	0	0	0	0	0	0
18:00	4	18.0	15.0	2.9	0	0	2	2	0	0	0	0	0	0	0	0
19:00	2	12.5	12.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
20:00	1	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
21:00	1	-	25.0	-	0	0	0	0	1	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)	9	27.4	20.0	7.2	0	0	3	2	3	1	0	0	0	0	0	0
2H(14-16)	9	16.8	14.2	2.5	0	0	6	3	0	0	0	0	0	0	0	0
12H(7-19)	61	22.2	16.8	5.2	0	4	18	28	10	1	0	0	0	0	0	0
24H(0-24)	67	22.1	16.8	5.1	0	4	21	30	11	1	0	0	0	0	0	0
AM Peak	08:00	10:00	10:00	11:00	00:00	08:00	11:00	08:00	09:00	11:00	00:00	00:00	00:00	00:00	00:00	00:00
	7	28.3	20.8	7.8	0	1	2	4	2	1	0	0	0	0	0	0
PM Peak	17:00	13:00	21:00	16:00	12:00	17:00	14:00	17:00	13:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	10	27.0	25.0	5.9	0	2	4	6	2	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Northeastbound

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
07:00	5	20.8	15.0	5.6	0	0	4	0	1	0	0	0	0	0	0	0
08:00	4	16.3	13.8	2.5	0	0	3	1	0	0	0	0	0	0	0	0
09:00	4	18.0	15.0	2.9	0	0	2	2	0	0	0	0	0	0	0	0
10:00	5	24.7	15.5	8.9	0	2	1	0	2	0	0	0	0	0	0	0
11:00	7	17.8	13.9	3.8	0	1	3	3	0	0	0	0	0	0	0	0
12:00	4	16.3	13.8	2.5	0	0	3	1	0	0	0	0	0	0	0	0
13:00	4	26.7	17.5	8.9	0	1	1	0	2	0	0	0	0	0	0	0
14:00	7	20.0	14.3	5.5	0	1	4	1	1	0	0	0	0	0	0	0
15:00	5	17.7	12.5	5.0	0	2	1	2	0	0	0	0	0	0	0	0
16:00	4	23.5	18.1	5.2	0	0	1	2	1	0	0	0	0	0	0	0
17:00	5	25.5	17.5	7.7	0	1	1	1	2	0	0	0	0	0	0	0
18:00	2	12.5	12.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
19:00	4	13.8	11.3	2.5	0	1	3	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	1	-	12.5	-	0	0	1	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)	12	20.9	14.6	6.1	0	3	4	3	2	0	0	0	0	0	0	0
2H(14-16)	12	18.9	13.5	5.2	0	3	5	3	1	0	0	0	0	0	0	0
12H(7-19)	56	20.5	15.0	5.4	0	8	26	13	9	0	0	0	0	0	0	0
24H(0-24)	62	20.1	14.6	5.2	0	9	31	13	9	0	0	0	0	0	0	0
AM Peak	11:00	10:00	10:00	10:00	00:00	10:00	07:00	11:00	10:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	7	24.7	15.5	8.9	0	2	4	3	2	0	0	0	0	0	0	0
PM Peak	14:00	13:00	16:00	13:00	12:00	15:00	14:00	15:00	13:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	7	26.7	18.1	8.9	0	2	4	2	2	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
07:00	8	20.5	15.9	4.4	0	0	4	3	1	0	0	0	0	0	0	0
08:00	11	20.2	15.5	4.6	0	1	4	5	1	0	0	0	0	0	0	0
09:00	11	22.1	16.6	5.3	0	1	3	5	2	0	0	0	0	0	0	0
10:00	8	26.0	17.5	8.2	0	2	2	0	4	0	0	0	0	0	0	0
11:00	13	23.2	16.5	6.4	0	1	5	5	1	1	0	0	0	0	0	0
12:00	9	20.4	16.1	4.2	0	0	4	4	1	0	0	0	0	0	0	0
13:00	7	27.2	19.6	7.3	0	1	1	1	4	0	0	0	0	0	0	0
14:00	11	18.2	13.6	4.4	0	1	8	1	1	0	0	0	0	0	0	0
15:00	10	18.3	14.0	4.1	0	2	3	5	0	0	0	0	0	0	0	0
16:00	8	22.9	17.5	5.2	0	0	3	3	2	0	0	0	0	0	0	0
17:00	15	21.2	15.5	5.5	0	3	3	7	2	0	0	0	0	0	0	0
18:00	6	16.8	14.2	2.6	0	0	4	2	0	0	0	0	0	0	0	0
19:00	6	13.8	11.7	2.0	0	1	5	0	0	0	0	0	0	0	0	0
20:00	1	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
21:00	2	27.9	18.8	8.8	0	0	1	0	1	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)	21	24.1	16.9	7.0	0	3	7	5	5	1	0	0	0	0	0	0
2H(14-16)	21	18.1	13.8	4.2	0	3	11	6	1	0	0	0	0	0	0	0
12H(7-19)	117	21.5	15.9	5.3	0	12	44	41	19	1	0	0	0	0	0	0
24H(0-24)	129	21.2	15.8	5.3	0	13	52	43	20	1	0	0	0	0	0	0
AM Peak	11:00 13	10:00 26.0	10:00 17.5	10:00 8.2	00:00 0	10:00 2	11:00 5	08:00 5	10:00 4	11:00 1	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	17:00 15	21:00 27.9	13:00 19.6	21:00 8.8	12:00 0	17:00 3	14:00 8	17:00 7	13:00 4	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

10/06/2023																
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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	2	27.9	18.8	8.8	0	0	1	0	1	0	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	4	25.7	21.3	4.3	0	0	0	2	2	0	0	0	0	0	0	0
09:00	3	24.9	18.3	6.3	0	0	1	1	1	0	0	0	0	0	0	0
10:00	5	25.1	19.5	5.4	0	0	1	2	2	0	0	0	0	0	0	0
11:00	2	29.1	16.3	12.4	0	1	0	0	1	0	0	0	0	0	0	0
12:00	4	23.0	16.9	5.9	0	0	2	1	1	0	0	0	0	0	0	0
13:00	5	24.8	20.5	4.1	0	0	0	3	2	0	0	0	0	0	0	0
14:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
15:00	4	26.3	20.0	6.1	0	0	1	1	2	0	0	0	0	0	0	0
16:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
17:00	5	25.0	18.5	6.3	0	0	2	1	2	0	0	0	0	0	0	0
18:00	6	20.7	13.8	6.7	0	2	2	1	1	0	0	0	0	0	0	0
19:00	3	27.0	22.5	4.3	0	0	0	1	2	0	0	0	0	0	0	0
20:00	4	22.1	14.4	7.5	0	1	2	0	1	0	0	0	0	0	0	0
21:00	1	-	17.5	-	0	0	0	1	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)	7	25.7	18.6	6.9	0	1	1	2	3	0	0	0	0	0	0	0
2H(14-16)	6	24.2	18.3	5.6	0	0	2	2	2	0	0	0	0	0	0	0
12H(7-19)	40	24.2	18.1	5.8	0	3	10	13	14	0	0	0	0	0	0	0
24H(0-24)	51	24.1	18.0	5.9	0	4	14	15	18	0	0	0	0	0	0	0
AM Peak	10:00	11:00	08:00	11:00	00:00	11:00	05:00	08:00	08:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	5	29.1	21.3	12.4	0	1	1	2	2	0	0	0	0	0	0	0
PM Peak	18:00	19:00	19:00	20:00	12:00	18:00	12:00	13:00	13:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	6	27.0	22.5	7.5	0	2	2	3	2	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Northeastbound

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
07:00	3	24.9	18.3	6.3	0	0	1	1	1	0	0	0	0	0	0	0
08:00	3	17.2	14.2	2.9	0	0	2	1	0	0	0	0	0	0	0	0
09:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
10:00	3	24.5	20.0	4.3	0	0	0	2	1	0	0	0	0	0	0	0
11:00	3	24.9	18.3	6.3	0	0	1	1	1	0	0	0	0	0	0	0
12:00	4	23.4	15.6	7.5	0	1	1	1	1	0	0	0	0	0	0	0
13:00	5	13.8	11.5	2.2	0	1	4	0	0	0	0	0	0	0	0	0
14:00	3	24.5	20.0	4.3	0	0	0	2	1	0	0	0	0	0	0	0
15:00	3	24.1	16.7	7.2	0	0	2	0	1	0	0	0	0	0	0	0
16:00	2	26.7	21.3	5.3	0	0	0	1	1	0	0	0	0	0	0	0
17:00	3	24.3	15.0	9.0	0	1	1	0	1	0	0	0	0	0	0	0
18:00	3	17.7	12.5	5.0	0	1	1	1	0	0	0	0	0	0	0	0
19:00	3	24.9	18.3	6.3	0	0	1	1	1	0	0	0	0	0	0	0
20:00	5	17.3	14.5	2.7	0	0	3	2	0	0	0	0	0	0	0	0
21:00	5	17.3	14.5	2.7	0	0	3	2	0	0	0	0	0	0	0	0
22:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	6	24.3	19.2	4.9	0	0	1	3	2	0	0	0	0	0	0	0
2H(14-16)	6	24.2	18.3	5.6	0	0	2	2	2	0	0	0	0	0	0	0
12H(7-19)	37	22.0	16.1	5.6	0	4	14	11	8	0	0	0	0	0	0	0
24H(0-24)	52	21.1	15.7	5.2	0	5	22	16	9	0	0	0	0	0	0	0
AM Peak	07:00	07:00	10:00	07:00	00:00	00:00	08:00	10:00	07:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	3	24.9	20.0	6.3	0	0	2	2	1	0	0	0	0	0	0	0
PM Peak	13:00	16:00	16:00	17:00	12:00	12:00	13:00	14:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	5	26.7	21.3	9.0	0	1	4	2	1	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	3	24.1	16.7	7.2	0	0	2	0	1	0	0	0	0	0	0	0
07:00	3	24.9	18.3	6.3	0	0	1	1	1	0	0	0	0	0	0	0
08:00	7	23.5	18.2	5.1	0	0	2	3	2	0	0	0	0	0	0	0
09:00	5	22.3	17.0	5.1	0	0	2	2	1	0	0	0	0	0	0	0
10:00	8	24.6	19.7	4.7	0	0	1	4	3	0	0	0	0	0	0	0
11:00	5	25.5	17.5	7.7	0	1	1	1	2	0	0	0	0	0	0	0
12:00	8	22.7	16.3	6.3	0	1	3	2	2	0	0	0	0	0	0	0
13:00	10	21.9	16.0	5.7	0	1	4	3	2	0	0	0	0	0	0	0
14:00	5	22.6	18.0	4.5	0	0	1	3	1	0	0	0	0	0	0	0
15:00	7	25.1	18.6	6.3	0	0	3	1	3	0	0	0	0	0	0	0
16:00	2	26.7	21.3	5.3	0	0	0	1	1	0	0	0	0	0	0	0
17:00	8	24.4	17.2	7.0	0	1	3	1	3	0	0	0	0	0	0	0
18:00	9	19.4	13.3	5.9	0	3	3	2	1	0	0	0	0	0	0	0
19:00	6	26.0	20.4	5.3	0	0	1	2	3	0	0	0	0	0	0	0
20:00	9	19.6	14.4	5.0	0	1	5	2	1	0	0	0	0	0	0	0
21:00	6	17.8	15.0	2.7	0	0	3	3	0	0	0	0	0	0	0	0
22:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
Total																
2H(10-12)	13	24.9	18.8	5.8	0	1	2	5	5	0	0	0	0	0	0	0
2H(14-16)	12	23.9	18.3	5.4	0	0	4	4	4	0	0	0	0	0	0	0
12H(7-19)	77	23.2	17.2	5.8	0	7	24	24	22	0	0	0	0	0	0	0
24H(0-24)	103	22.7	16.8	5.7	0	9	36	31	27	0	0	0	0	0	0	0
AM Peak	10:00 8	11:00 25.5	10:00 19.7	11:00 7.7	00:00 0	11:00 1	06:00 2	10:00 4	10:00 3	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	13:00 10	16:00 26.7	16:00 21.3	17:00 7.0	12:00 0	18:00 3	20:00 5	13:00 3	15:00 3	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

11/06/2023																
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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	1	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
09:00	5	21.9	15.0	6.6	0	1	2	1	1	0	0	0	0	0	0	0
10:00	2	29.1	16.3	12.4	0	1	0	0	1	0	0	0	0	0	0	0
11:00	3	17.2	14.2	2.9	0	0	2	1	0	0	0	0	0	0	0	0
12:00	1	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
13:00	5	22.3	17.0	5.1	0	0	2	2	1	0	0	0	0	0	0	0
14:00	6	18.4	14.2	4.1	0	1	2	3	0	0	0	0	0	0	0	0
15:00	6	20.8	14.6	6.0	0	1	3	1	1	0	0	0	0	0	0	0
16:00	1	-	17.5	-	0	0	0	1	0	0	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	5	17.8	13.5	4.2	0	1	2	2	0	0	0	0	0	0	0	0
19:00	2	17.5	17.5	0.0	0	0	0	2	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	21.9	15.0	6.6	0	1	2	1	1	0	0	0	0	0	0	0
2H(14-16)	12	19.5	14.4	4.9	0	2	5	4	1	0	0	0	0	0	0	0
12H(7-19)	37	20.0	14.9	4.9	0	5	15	13	4	0	0	0	0	0	0	0
24H(0-24)	40	19.9	15.0	4.7	0	5	16	15	4	0	0	0	0	0	0	0
AM Peak	09:00	10:00	10:00	10:00	00:00	09:00	09:00	09:00	09:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	5	29.1	16.3	12.4	0	1	2	1	1	0	0	0	0	0	0	0
PM Peak	14:00	13:00	12:00	15:00	12:00	14:00	15:00	14:00	13:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	6	22.3	17.5	6.0	0	1	3	3	1	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Northeastbound

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
07:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
08:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
09:00	3	12.5	12.5	0.0	0	0	3	0	0	0	0	0	0	0	0	0
10:00	4	23.2	14.4	8.5	0	2	0	1	1	0	0	0	0	0	0	0
11:00	2	12.5	12.5	0.0	0	0	2	0	0	0	0	0	0	0	0	0
12:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
13:00	4	23.4	15.6	7.5	0	1	1	1	1	0	0	0	0	0	0	0
14:00	5	22.8	16.0	6.5	0	1	1	2	1	0	0	0	0	0	0	0
15:00	4	18.0	15.0	2.9	0	0	2	2	0	0	0	0	0	0	0	0
16:00	1	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
17:00	4	16.7	12.5	4.1	0	1	2	1	0	0	0	0	0	0	0	0
18:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
19:00	4	13.8	11.3	2.5	0	1	3	0	0	0	0	0	0	0	0	0
20:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	17.5	-	0	0	0	1	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)	6	20.7	13.8	6.7	0	2	2	1	1	0	0	0	0	0	0	0
2H(14-16)	9	20.7	15.6	5.0	0	1	3	4	1	0	0	0	0	0	0	0
12H(7-19)	30	19.1	13.6	5.3	0	8	12	7	3	0	0	0	0	0	0	0
24H(0-24)	37	18.4	13.1	5.1	0	11	15	8	3	0	0	0	0	0	0	0
AM Peak	10:00	10:00	10:00	10:00	00:00	10:00	09:00	10:00	10:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	4	23.2	14.4	8.5	0	2	3	1	1	0	0	0	0	0	0	0
PM Peak	14:00	13:00	22:00	13:00	12:00	12:00	19:00	14:00	13:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	5	23.4	17.5	7.5	0	1	3	2	1	0	0	0	0	0	0	0

Paul Castle Associates

Direction: Total Flow

Hour Beginning	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5mph	Bin 2 5<10	Bin 3 10<15	Bin 4 15<20	Bin 5 20<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 ≥60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
07:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
08:00	2	13.7	10.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
09:00	8	19.4	14.1	5.2	0	1	5	1	1	0	0	0	0	0	0	0
10:00	6	24.0	15.0	8.7	0	3	0	1	2	0	0	0	0	0	0	0
11:00	5	15.8	13.5	2.2	0	0	4	1	0	0	0	0	0	0	0	0
12:00	2	19.8	12.5	7.1	0	1	0	1	0	0	0	0	0	0	0	0
13:00	9	22.5	16.4	5.9	0	1	3	3	2	0	0	0	0	0	0	0
14:00	11	20.3	15.0	5.1	0	2	3	5	1	0	0	0	0	0	0	0
15:00	10	19.7	14.8	4.8	0	1	5	3	1	0	0	0	0	0	0	0
16:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
17:00	6	17.2	13.3	3.8	0	1	3	2	0	0	0	0	0	0	0	0
18:00	5	17.8	13.5	4.2	0	1	2	2	0	0	0	0	0	0	0	0
19:00	6	17.2	13.3	3.8	0	1	3	2	0	0	0	0	0	0	0	0
20:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	17.5	-	0	0	0	1	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	20.9	14.3	6.3	0	3	4	2	2	0	0	0	0	0	0	0
2H(14-16)	21	19.9	14.9	4.8	0	3	8	8	2	0	0	0	0	0	0	0
12H(7-19)	67	19.6	14.3	5.1	0	13	27	20	7	0	0	0	0	0	0	0
24H(0-24)	77	19.2	14.1	5.0	0	16	31	23	7	0	0	0	0	0	0	0
AM Peak	09:00 8	10:00 24.0	10:00 15.0	10:00 8.7	00:00 0	10:00 3	09:00 5	09:00 1	10:00 2	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 11	13:00 22.5	22:00 17.5	12:00 7.1	12:00 0	14:00 2	15:00 5	14:00 5	13:00 2	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Tween Bridge ATC 19, Marsh Road

Direction: Southwestbound

12/06/2023

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	4	20.2	15.0	5.0	0	1	0	3	0	0	0	0	0	0	0	0
08:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
09:00	9	20.7	15.6	5.0	0	1	3	4	1	0	0	0	0	0	0	0
10:00	3	13.8	10.8	2.9	0	1	2	0	0	0	0	0	0	0	0	0
11:00	5	25.0	18.5	6.3	0	0	2	1	2	0	0	0	0	0	0	0
12:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
13:00	6	27.7	19.6	7.8	0	0	2	2	1	1	0	0	0	0	0	0
14:00	9	18.4	15.8	2.5	0	0	3	6	0	0	0	0	0	0	0	0
15:00	2	17.5	17.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
16:00	3	24.5	20.0	4.3	0	0	0	2	1	0	0	0	0	0	0	0
17:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
18:00	3	13.8	10.8	2.9	0	1	2	0	0	0	0	0	0	0	0	0
19:00	2	18.7	15.0	3.5	0	0	1	1	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	2	26.7	21.3	5.3	0	0	0	1	1	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	22.2	15.6	6.4	0	1	4	1	2	0	0	0	0	0	0	0
2H(14-16)	11	18.6	16.1	2.3	0	0	3	8	0	0	0	0	0	0	0	0
12H(7-19)	47	21.4	16.0	5.3	0	5	15	21	5	1	0	0	0	0	0	0
24H(0-24)	52	21.4	16.1	5.2	0	5	17	23	6	1	0	0	0	0	0	0
AM Peak	09:00 9	11:00 25.0	11:00 18.5	11:00 6.3	00:00 0	07:00 1	09:00 3	09:00 4	11:00 2	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 9	13:00 27.7	21:00 21.3	13:00 7.8	12:00 0	17:00 1	14:00 3	14:00 6	13:00 1	13:00 1	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates

Direction: Northeastbound

[illegible]

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<30	Bin 6 30<35	Bin 7 35<40	Bin 8 40<45	Bin 9 45<50	Bin 10 50<55	Bin 11 55<60	Bin 12 >=60
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	1	-	25.0	-	0	0	0	0	1	0	0	0	0	0	0	0
05:00	1	-	12.5	-	0	0	1	0	0	0	0	0	0	0	0	0
06:00	1	-	7.5	-	0	1	0	0	0	0	0	0	0	0	0	0
07:00	5	19.1	14.5	4.5	0	1	1	3	0	0	0	0	0	0	0	0
08:00	4	23.0	16.9	5.9	0	0	2	1	1	0	0	0	0	0	0	0
09:00	11	20.2	15.5	4.6	0	1	4	5	1	0	0	0	0	0	0	0
10:00	14	16.3	11.8	4.3	0	6	4	4	0	0	0	0	0	0	0	0
11:00	8	24.2	17.8	6.2	0	0	4	1	3	0	0	0	0	0	0	0
12:00	1	-	17.5	-	0	0	0	1	0	0	0	0	0	0	0	0
13:00	12	24.7	17.5	7.0	0	1	4	4	2	1	0	0	0	0	0	0
14:00	18	17.7	15.0	2.6	0	0	9	9	0	0	0	0	0	0	0	0
15:00	2	17.5	17.5	0.0	0	0	0	2	0	0	0	0	0	0	0	0
16:00	5	22.3	17.0	5.1	0	0	2	2	1	0	0	0	0	0	0	0
17:00	2	13.7	10.0	3.5	0	1	1	0	0	0	0	0	0	0	0	0
18:00	5	13.3	10.5	2.7	0	2	3	0	0	0	0	0	0	0	0	0
19:00	2	18.7	15.0	3.5	0	0	1	1	0	0	0	0	0	0	0	0
20:00	3	12.2	9.2	2.9	0	2	1	0	0	0	0	0	0	0	0	0
21:00	5	22.3	17.0	5.1	0	0	2	2	1	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	19.9	14.0	5.8	0	6	8	5	3	0	0	0	0	0	0	0
2H(14-16)	20	17.9	15.3	2.6	0	0	9	11	0	0	0	0	0	0	0	0
12H(7-19)	87	20.3	15.0	5.1	0	12	34	32	8	1	0	0	0	0	0	0
24H(0-24)	100	20.3	15.0	5.1	0	15	39	35	10	1	0	0	0	0	0	0
AM Peak	10:00 14	11:00 24.2	04:00 25.0	11:00 6.2	00:00 0	10:00 6	09:00 4	09:00 5	11:00 3	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0	00:00 0
PM Peak	14:00 18	13:00 24.7	12:00 17.5	13:00 7.0	12:00 0	18:00 2	14:00 9	14:00 9	13:00 2	13:00 1	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0	12:00 0

Paul Castle Associates



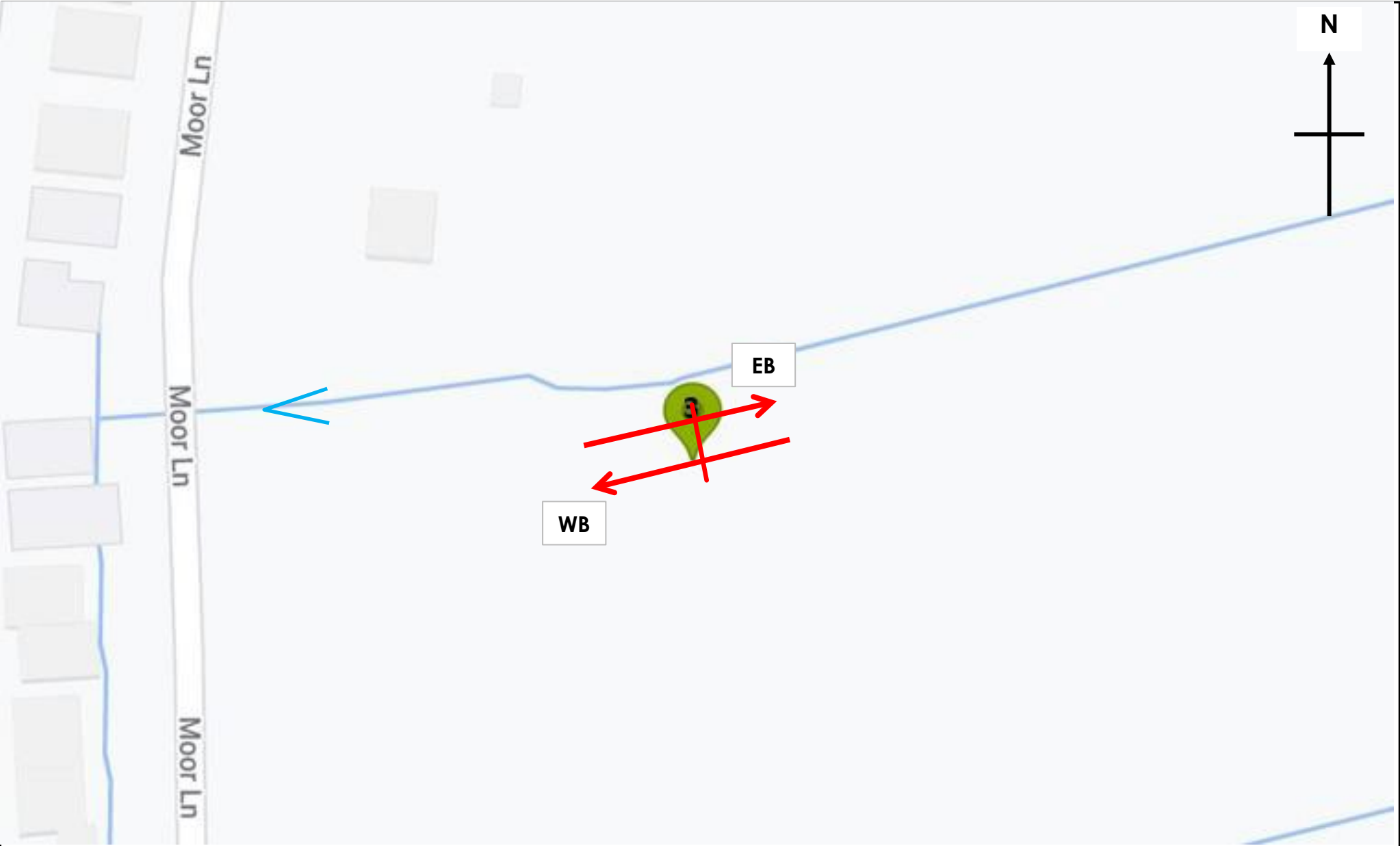
Appendix T : PRow Survey Reports



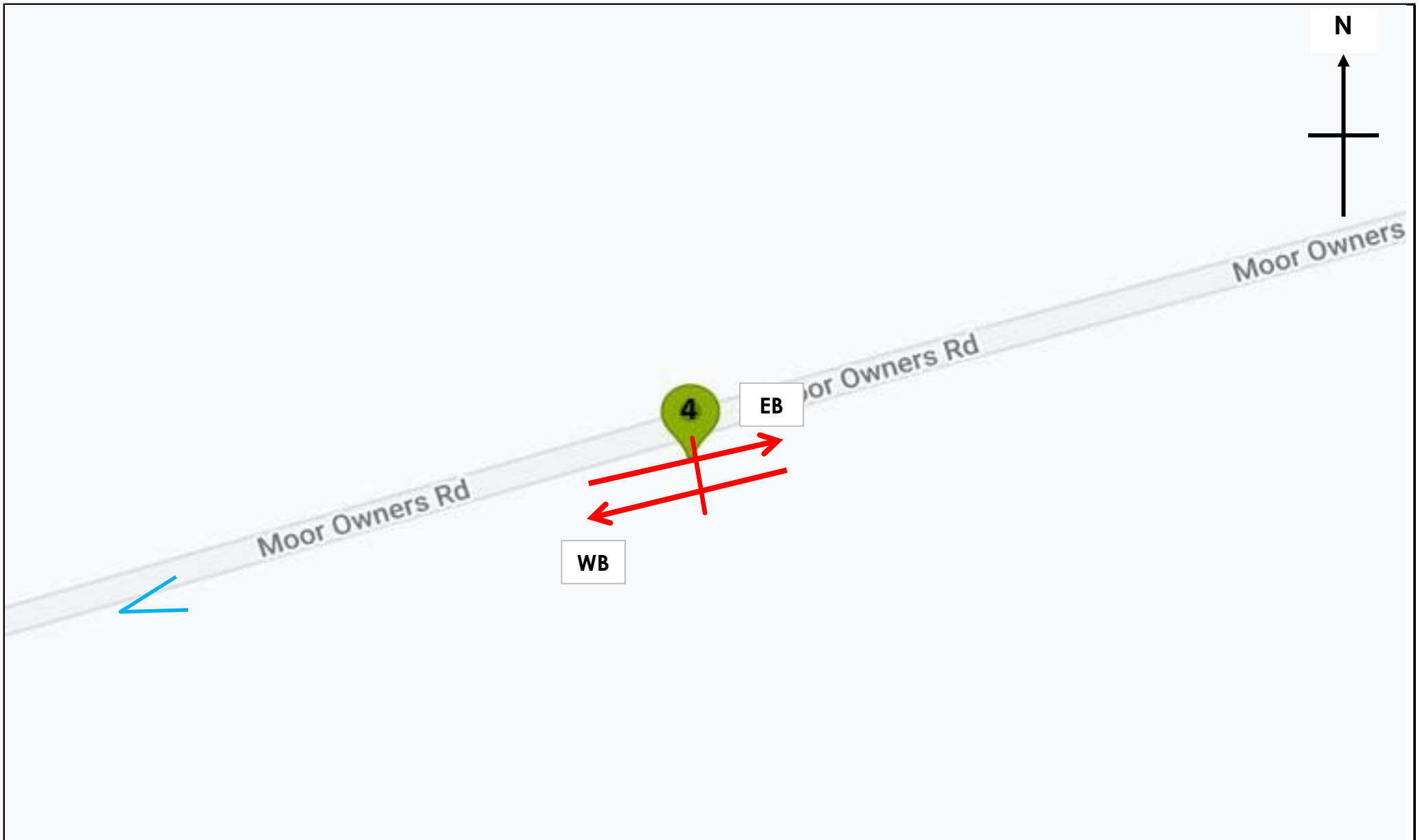
	Site / Location:	Site 1 - Albone	Project No:	14797	Drawing No:	14797-01	Drawn By:	DC
	Survey Date:	Thursday 16th and Saturday 18th May 2024	Project Name:	Thorne				
	Survey Times:	00:00 – 24:00	Drawing Title:	Site Layout and Observed Movements				



	Site / Location:	Site 2 - Platt	Project No:	14797	Drawing No:	14797-02	Drawn By:	DC
	Survey Date:	Thursday 16th and Saturday 18th May 2024	Project Name:	Thorne				
	Survey Times:	00:00 – 24:00	Drawing Title:	Site Layout and Observed Movements				



	Site / Location:	Site 3 – Burtwistle (North)	Project No:	14797	Drawing No:	14797-03	Drawn By:	DC
	Survey Date:	Thursday 16th and Saturday 18th May 2024	Project Name:	Thorne				
	Survey Times:	00:00 – 24:00	Drawing Title:	Site Layout and Observed Movements				



	Site / Location:	Site 4 – Burtwistle (South)	Project No:	14797	Drawing No:	14797-04	Drawn By:	DC
	Survey Date:	Thursday 16th and Saturday 18th May 2024	Project Name:	Thorne				
	Survey Times:	00:00 – 24:00	Drawing Title:	Site Layout and Observed Movements				



SITE:		1				DATE: 16/05/2024		
LOCATION:		Albone				DAY: Thursday		
TIME	Northbound			TOT	Southbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	1	0	1
09:30	1	0	0	1	0	0	0	0
09:45	0	0	0	0	1	0	0	1
H/TOT	1	0	0	1	1	1	0	2
10:00	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
11:00	1	0	0	1	1	0	0	1
11:15	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	1	0	0	1
12:00	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
13:00	0	1	0	1	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	1	0	1	0	0	0	0
14:00	1	0	0	1	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	3	0	0	3
17:30	2	0	0	2	0	0	0	0
17:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	2	3	0	0	3
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	1	0	0	1
18:45	1	0	0	1	0	0	0	0
H/TOT	1	0	0	1	1	0	0	1
19:00	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	2	0	2
19:30	1	0	0	1	0	0	0	0
19:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	2	0	2
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	7	1	0	8	6	3	0	9



SITE:

2

DATE: 16/05/2024

LOCATION:

Platt

DAY: Thursday

TIME	Eastbound			TOT	Westbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
12:00	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
17:00	2	0	0	2	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	2	0	0	0	0
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	2	0	0	2
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	2	0	0	2
19:00	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	2	0	0	2	2	0	0	2



SITE:	3	DATE: 16/05/2024						
LOCATION:	Burtwistle (North)	DAY: Thursday						
TIME	Eastbound			TOT	Westbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0
09:30	1	0	0	1	0	0	0	0
09:45	0	0	0	0	1	0	0	1
H/TOT	1	0	0	1	1	0	0	1
10:00	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
11:00	1	0	0	1	0	0	0	0
11:15	1	0	0	1	1	0	0	1
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	2	1	0	0	1
12:00	0	0	0	0	0	1	0	1
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	1	0	1
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	1	0	0	1	0	0	0	0
17:45	0	0	0	0	1	0	0	1
H/TOT	1	0	0	1	1	0	0	1
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0
19:45	1	0	0	1	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	1	0	1
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	1	0	1
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	5	0	0	5	3	2	0	5

SITE:

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DATE: 16/05/2024

LOCATION:

Burtwistle (South)

DAY: Thursday

TIME	Eastbound			TOT	Westbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	1	0	0	1	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
09:00	0	0	0	0	1	0	0	1
09:15	0	0	0	0	0	0	0	0
09:30	1	0	0	1	0	0	0	0
09:45	0	0	0	0	1	0	0	1
H/TOT	1	0	0	1	2	0	0	2
10:00	1	0	0	1	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
11:00	0	0	0	0	1	0	0	1
11:15	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	1	0	0	1
12:00	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	2	0	0	2	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	2	0	0	2
H/TOT	2	0	0	2	2	0	0	2
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	5	0	0	5	5	0	0	5



SITE:		1				DATE: 18/05/2024		
LOCATION:		Albone				DAY: Saturday		
TIME	Northbound			TOT	Southbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	1	0	0	1	0	0	0	0
08:30	0	0	0	0	0	0	0	0
08:45	1	0	0	1	0	0	0	0
H/TOT	2	0	0	2	0	0	0	0
09:00	0	0	0	0	0	0	0	0
09:15	7	0	0	7	0	0	0	0
09:30	0	0	0	0	3	0	0	3
09:45	0	0	0	0	0	0	0	0
H/TOT	7	0	0	7	3	0	0	3
10:00	0	0	0	0	1	0	0	1
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	1	0	0	1
11:00	1	0	0	1	0	0	0	0
11:15	1	0	0	1	0	0	0	0
11:30	0	0	0	0	2	0	0	2
11:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	2	2	0	0	2
12:00	2	0	0	2	0	0	0	0
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	2	0	0	0	0
13:00	0	0	0	0	1	0	0	1
13:15	1	0	0	1	0	2	0	2
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	1	2	0	3
14:00	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	2	0	0	2	1	0	0	1
16:15	0	0	0	0	0	1	0	1
16:30	0	0	0	0	1	0	0	1
16:45	0	0	0	0	1	0	0	1
H/TOT	2	0	0	2	3	1	0	4
17:00	0	0	0	0	0	0	0	0
17:15	1	0	0	1	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	1	1	0	0	0	0
H/TOT	0	0	1	1	0	0	0	0
19:00	0	0	0	0	1	0	0	1
19:15	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	1	0	1
19:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	1	1	0	2
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	17	0	1	18	11	4	0	15



SITE:

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DATE: 18/05/2024

LOCATION:

Platt

DAY: Saturday

TIME	Eastbound			TOT	Westbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
12:00	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	0	0	0	0	0	0	0	0



SITE:

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DATE: 18/05/2024

LOCATION:

Burtwistle (North)

DAY: Saturday

TIME	Eastbound			TOT	Westbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0
08:45	1	0	0	1	1	0	0	1
H/TOT	1	0	0	1	1	0	0	1
09:00	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
11:00	1	0	0	1	0	0	0	0
11:15	0	0	0	0	0	0	0	0
11:30	2	0	0	2	0	1	0	1
11:45	0	0	0	0	0	0	0	0
H/TOT	3	0	0	3	0	1	0	1
12:00	0	0	0	0	2	0	0	2
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	2	0	0	2
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0
14:15	1	0	0	1	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	1	0	0	1
H/TOT	1	0	0	1	1	0	0	1
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	1	0	0	1	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0
19:30	1	0	0	1	1	0	0	1
19:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	1	0	0	1
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	7	0	0	7	5	1	0	6



LOCATION: Burtwistle (South)		DAY: Saturday						
TIME	Eastbound			TOT	Westbound			TOT
	PED	PCL	Equestrian		PED	PCL	Equestrian	
00:00	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0
05:15	1	0	0	1	0	0	0	0
05:30	0	0	0	0	1	0	0	1
05:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	1	0	0	1
06:00	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
09:00	1	0	0	1	0	0	0	0
09:15	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
10:00	0	0	0	0	1	0	0	1
10:15	1	0	0	1	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	2	0	0	2	0	0	0	0
H/TOT	3	0	0	3	1	0	0	1
11:00	0	0	0	0	2	0	0	2
11:15	0	0	0	0	1	0	0	1
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	3	0	0	3
12:00	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0
15:15	1	0	0	1	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	1	0	0	0	0
16:00	0	0	0	0	1	0	0	1
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	1	0	0	1
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	6	0	0	6	6	0	0	6

Expertly Done.

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