

Appendix 1

Pre-Application Comments from Shropshire County Council

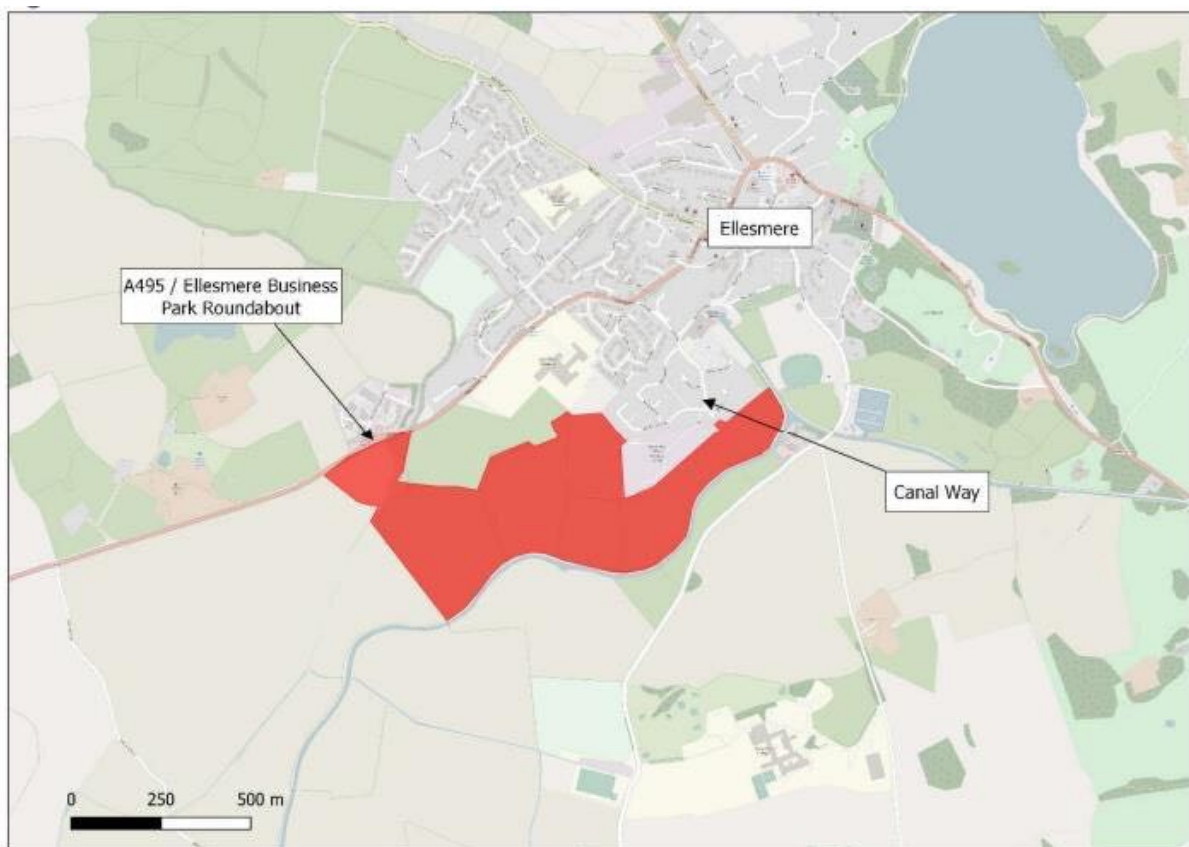
PREAPP/22/00392 | The development proposals comprised of a mixture of land uses (which are also illustrated in the indicative masterplan): - Discount food store (2,000m² GFA), - Commercial uses (11,000m² GFA), - Care home - 43 log cabins, - 120 bed hotel, - 70 berth touring caravan site, - Pub/restaurant (750m² GFA), - Play centre (500m² GFA), - 250 residential dwellings. Site ELL003a and Site ELL003b under policy S8 of the adopted SAMdev plan (2015). | Mixed Use Development For Sites ELL003a And ELL003b South East Of Canal Way Ellesmere Shropshire

Preapplications Comments

Please note comments which need a response are highlighted in BOLD.

These comments have been provided in response to the Transport Scoping Note by BWB Consulting in relation to Ellesmere Marina, Shropshire. The site location is described as “approximately 70 acres of land adjacent to the Llangollen Branch of the Shropshire Union Canal along the southern edge of the existing settlement of Ellesmere in Shropshire. The Site is identified as site ELL003a and ELL003b under Policy S8 of the adopted SAMDev Plan (2015).”

It is understood that the development will provide a mix of retail, commercial/employment, care home, residential, leisure and supporting infrastructure. A location map is provided below taken from the BWB Scoping Note.



It is understood that consent was obtained in 2014 (ref 14/04047/OUT subject to conditions) however this has now lapsed. It is considered that although the previous application may have similarities with current application the transport assessment should be undertaken with a up to date review and recent data and not rely on data from the 2014 assessment.

The masterplan of the site is shown below taken from the BWB Scoping Note.



A table is shown below with details of the proposed development and previous development in 2014 taken from the BWB Scoping Note.

Table 1: Proposed Development

LAND USE	PREVIOUS PROPOSAL	REVISED PROPOSAL
Retail	-	Discount foodstore (2,000m ²)
Commercial / Employment	-	B2 / B8 (11,000m ²)
Care home	-	100 bed
Residential	250 dwellings	250 dwellings
Leisure	Hotel (120 bed) Marina (188 berth) Log cabins (43) Touring caravan site (70 berth) Leisure Centre (4,400m ²) Pub / restaurant (750m ²) Play centre (500m ²)	Hotel (120 bed) Log cabins (43) Touring caravan site (70 berth) Pub / restaurant (750m ²) Play centre (500m ²)

Phasing

It is understood that the:-

- First phase will include development of western end and eastern end
- The western end will include development of discount foodstore via a new link off the A495
- The eastern end will include the development of the care home via an extension of Canal Way
- Commercial/Employment development will form the next phase followed by residential and leisure.
- Link Road will completed as later stages, not as part of first phase

It is understood capacity testing at key junctions to suggest trigger for completion for spine road.
Please can further details be provided how this will be undertaken in the TA include details of surveys, trigger point, timescales, etc.

A CTMP will also be required detailing timescales for construction.

Access

It is understood that the accesses will be based on two new accesses and spine road.
The access at the western end is shown below.



The access at the eastern end is shown below.



A Road Safety Audit will be required for both the new accesses. Swept Path Analysis should also be provided with tracking of private vehicles, refuse vehicles, fire appliance and HGV vehicles.

It is understood that the new spine road will connect the eastern and western access points. It is understood the spine road will accommodate re-rerouting of bus movements in the future. **Please can further details of re-routing of buses and which services be re-routed. Can confirmation be provided if any discussions have been undertaken with any bus operators.**

It is envisaged the Spine Road will provide pedestrian and cycle infrastructure. Details of footway widths, formal crossing points, cycle lanes, ASL should be provided.

It is also envisaged the Spine Road will facilitate access to the remaining sections of the overall development. The designs or indicative sketch with details of the configuration (radii, widths) of each junction should be provided within the TA.

Transport Assessment

Content Outline

The general scope of the TA is considered acceptable. However in terms of details within each chapter, comments are as follows.

In terms of Existing Conditions chapter full review of bus infrastructure should be undertaken including review of bus stops, shelters, bays, etc. Location maps should also be provided. Costs of bus travel should be provided. Similar details should be provided for rail travel.

It is envisaged that PT provision should be encouraged to improve the sustainability of the site.

Isochrone maps for walking and cycling distances should be provided. Detail of local amenities should be tabulated with details of walk time and distance. **This should also be provided on a plan.**

In terms of the Development Proposal chapter the following should be considered

- **The parking strategy should include details of parking spaces per dwelling such as location.**
- **Visibility splays and SPA should also be provided.**
- **Details of how NMU movements will be undertaken from the site into the existing network.**
- **Proposals of pedestrian and cycle infrastructure improvements.**
- **Details of PRow affected by the proposal. It is noted SC Rights of Way commented "Footpath 12/12Y crosses the development site and must be accommodated in the detailed plans. If the path cannot be retained on its recorded line the developers must contact this office to discuss an application to legally divert the route"**

It is considered that NMU movements and the promotion and encouragement of sustainable modes of travel is important and the emphasis of this will be reviewed within the TA.

A chapter providing details of a framework for a travel plan should be considered, if a separate report is not be provided. This should focus on residential and workplace elements of the proposal. **This should provide indicative measures and initiatives that can be considered as part of the full travel plan.** This is also provided within the 2014 assessment

Traffic Generation and Traffic Analysis are discussed in the section below.

Scope for Agreement

High Safety Analysis

The proposed study area (blue outline) is considered acceptable at this stage. **The junctions which will also see an increase in traffic should also be reviewed if they are not located within the study area.**

The review of accident data should be comprehensive and not purely based on severity and date. Data such as (but not limited to) weather/road surface/time/causation factors,etc but not limited to.

It is envisaged that data from Crashmap will be used however it is considered that Crashmap can lack detail. Data can be obtained from ACCSMAP which is a SC database of personal injury collisions based on STATS 19 data. This can be provided upon request. Please note was undertaken in the 2014 assessment.

Traffic Analysis

Trip Rates

It is understood that the previous trip rate from the 2014 application are to be used. From Table 2 it is understood that these are Residential, Hotel, Log Cabins, Caravan Site, Pub/Restaurant. It is considered that TRICS has been updated with more up to date sites that maybe representative of current travel patterns and of the location. However can copies of the TRICS be provided within an appendices for review. Alternatively can these be provided as part of the scoping process. **Please note these will need to be reviewed first in order to be accepted for use.**

Please note the 2014 assessment also includes a Saturday and Sunday IP period assessment. Please can this be carried out for the updated assessment.

Please note Cumulative Parking Assessment should be undertaken for the commercial sites to justify the parking provisions. These can be based on the approved TRIC outputs.

The previous TA provided in Appendix 3 has been reviewed. Subsequently comments have been made with regard to this scope as per the previous TA.

The TRICS outputs are based on 2022 outputs as shown in Appendix 4 which are considered acceptable. These have been reviewed with comments below.

Care Home (100 bed)

-The actual range (17 to 78) is under the actual number of units (100). The range should be revised to discount care homes less than 50 beds

Care Home (100 bed), Food Store (2000m²) & Employment B1 B8 (11,000m²)

- The Car Ownership within 5 miles is 0.6 to 1.0 should be excluded.

-The population of Ellesmere is 3835 (2011) therefore sites with population within 1 mile over 25,001 to 50,000 should be excluded. Ideally population categories should be representative of the location. Ellesmere has a population of approx. 4000 at approx. a mile distance along north to south and east to west. However these may severely reduce the number of sites available in TRICS.

Please note the comments provided above are to made to use the sites selected in TRICS more representative of the sites location. However it is understood this may severely reduce the number of sites available. Therefore it is left to the best judgement of the transport consultant. **However it should be noted that the outputs will be reviewed with regard to their suitability.**

Trip Discounts

This has also been reviewed within the previous TA and the scoping note. This shows that the same trip discounts used in the 2014 assessment has been used in the scoping note.

However the trip discounts associated with the pub/restaurant, play centre of 75% are considered extremely high. It is considered that the trips will be linked with the hotel and leisure centre however there is no leisure centre or Marina provided in the proposal. Also the play centre and leisure uses may have food availability/self catering options also. Therefore this should be reduced to 37.5%.

There is no discount applied for the Leisure Centre as in the 2014 assessment. As stated above it is assumed that there is no leisure centre element in the proposal.

Trip Generation

The trip generation should be presented as per the Table 6.3 in the 2014 TA with forecast trip, discount applied and discounted trips. This will be reviewed in the TA.

Trip Distribution

HGVS

The HGV trip distribution is considered acceptable.

Light Vehicles

The distribution for the Light Vehicles are considered acceptable.

The distribution for the residential and employment is considered acceptable using the 2011 Census.

Impact Assessment

Junction Modelling

The junctions to be assessed are considered to be acceptable and will be reviewed as part of the TA. Traffic flow diagrams should be provided to show the distribution and development traffic via the junctions to be assessed and local highway network.

The junction scenarios are considered acceptable. However the base scenario should be provided also in understand the impact of the scheme in comparison to the existing traffic situations.

The base traffic flows from 2019 are considered acceptable. Can it be confirmed if any queue length surveys were undertaken to calibrate and validate the base junction models.

Any model outputs should provide the Network Layout Diagram in the outputs(as in the 2014 application) and confirmation of geometric measurements of the junctions through measurements of dimensions shown in Autocad or by hand.

Details of how the traffic assessment and value of the triggers will inform the delivery of the spine road should be provided.

Details of any Committed Development should also be included with in the TA.

Mitigation should also be considered following junction assessment, in particular Scotland Street/A495 (as per the officers note for the previous application).

Additional Documents

The following documents should also be provided as part of the submission:-

- **Stage 1 Road Safety Audit RSA**
- **Construction Traffic Management Plan CTMP**
- **Framework Travel Plan FTP – Residential and Workplace**

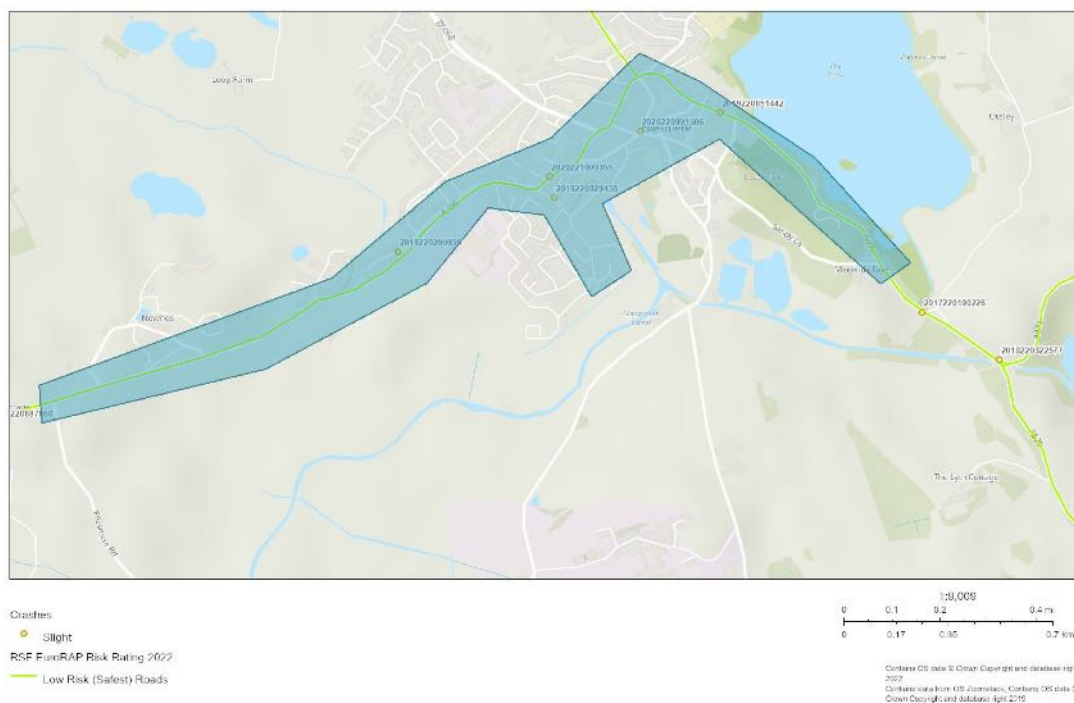
Appendix 2

Personal Injury Accident Data

Area of Interest (AOI) Information

Area : 693,922.1 m²

Feb 22 2023 9:24:59 Greenwich Mean Time



Summary

Name	Count	Area(m²)	Length(m)
Crashes	5	N/A	N/A

Crashes

#	Carriageway_Hazards	Severity	Officer_Attended	Accident_DateTime	Year	Number_of_vehicles	Number_of_casualties	Eas
1	None	Slight	Police officer attended crash scene	December 19, 2020	2020	1	2	339689
2	None	Slight	No officer attended crash scene	December 2, 2019	2019	2	1	339704
3	None	Slight	Police officer attended crash scene	May 6, 2018	2018	1	1	339180
4	None	Slight	Police officer attended crash scene	October 15, 2020	2020	1	1	339994
5	None	Slight	No officer attended crash scene	June 25, 2019	2019	2	1	340262

#	Northings	Highway_Authority	Road_Number	Weather_conditions	Road_Type	Road_surface	Speed_Limit	Light_conditions
1	334664	Shropshire	A495	Fine without high winds	Single carriageway	Wet or Damp	30	Daylight: re of presence streetlights
2	334593	Shropshire	U0	Fine without high winds	Single carriageway	Wet or Damp	30	Daylight: re of presence streetlights
3	334412	Shropshire	U0	Fine without high winds	Single carriageway	Dry	30	Daylight: re of presence streetlights
4	334816	Shropshire	U0	Fine without high winds	Single carriageway	Dry	30	Daylight: re of presence streetlights
5	334880	Shropshire	A495	Fine without high winds	Single carriageway	Dry	30	Daylight: re of presence streetlights

#	Junction_detail	Pedestrian_Crossing	Involved_pedalcyclist	Involved_Motorcyclist	Pedestrian_casualty	Child_casualty	Pedal_cycleuser_casualty	Motorcyclist_casualty
1	T or staggered junction	No physical crossing facility within 50 metres	0	0	1	0	0	0
2	T or staggered junction	No physical crossing facility within 50 metres	1	0	0	0	1	0
3	Using private drive or entrance	No physical crossing facility within 50 metres	0	0	1	0	0	0
4	T or staggered junction	No physical crossing facility within 50 metres	0	0	1	0	0	0
5	Not at or within 20 metres of junction	No physical crossing facility within 50 metres	0	0	0	0	0	0

#	Involved_car	Involved_good svehicle	Involved_Bus	Involved_young_driver	Local_Authority_District	Junction_control	Is_Provisional	Is_Amended	Web_Link	C
1	0	1	0	0	Shropshire (from 2009)	Give way or uncontrolled	No	No	https://www.crashtmap.co.uk/reports/proreportservice?reportid=2020221009355	1
2	0	1	0	0	Shropshire (from 2009)	Give way or uncontrolled	No	No	https://www.crashtmap.co.uk/reports/proreportservice?reportid=2019220929436	1
3	1	0	0	0	Shropshire (from 2009)	Give way or uncontrolled	No	No	https://www.crashtmap.co.uk/reports/proreportservice?reportid=2018220290939	1
4	1	0	0	1	Shropshire (from 2009)	Give way or uncontrolled	No	No	https://www.crashtmap.co.uk/reports/proreportservice?reportid=2020220991506	1
5	1	0	0	0	Shropshire (from 2009)	Not Applicable	No	No	https://www.crashtmap.co.uk/reports/proreportservice?reportid=2019220851442	1

Report produced from CrashMap Pro

Appendix 3

Automatic Traffic Count Survey Data

Ellesmere ATC, A495 Scotland Street

Produced by Road Data Services Ltd.

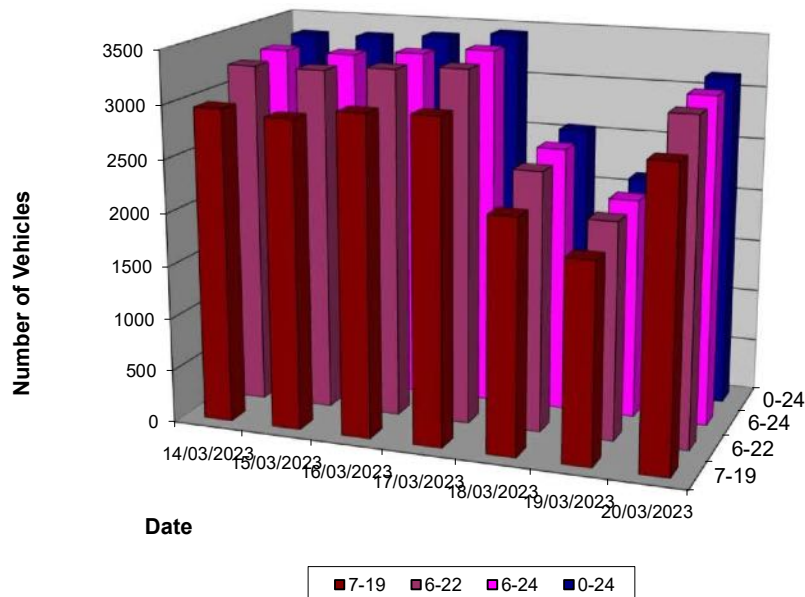
Channel 1 - Southwestbound

Vehicle Flow

Week 1

Hr Ending	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday	Weekday Average	Average
1	3	12	6	7	8	15	1	6	7
2	0	2	2	2	9	10	2	2	4
3	2	5	2	1	2	1	2	2	2
4	2	3	2	4	2	1	6	3	3
5	9	10	8	4	5	4	4	7	6
6	34	36	37	29	14	9	27	33	27
7	85	84	85	75	33	11	78	81	64
8	282	265	268	262	71	38	253	266	206
9	373	362	371	363	127	62	336	361	285
10	253	249	236	249	192	104	228	243	216
11	194	207	196	203	244	185	210	202	206
12	180	210	202	211	265	228	184	197	211
13	210	175	202	222	293	263	186	199	222
14	213	203	196	225	212	202	182	204	205
15	212	194	203	210	192	180	180	200	196
16	241	249	261	270	167	194	235	251	231
17	288	292	332	334	164	178	309	311	271
18	330	329	328	291	143	147	332	322	271
19	185	179	215	194	131	100	154	185	165
20	88	101	97	117	101	74	82	97	94
21	50	84	50	60	52	53	60	61	58
22	55	55	46	44	65	35	50	50	50
23	32	26	30	35	41	20	27	30	30
24	10	12	6	25	20	11	16	14	14
7-19	2961	2914	3010	3034	2201	1881	2789	2942	2684
6-22	3239	3238	3288	3330	2452	2054	3059	3231	2951
6-24	3281	3276	3324	3390	2513	2085	3102	3275	2996
0-24	3331	3344	3381	3437	2553	2125	3144	3327	3045

Vehicle Flow (Channel 1)



Ellesmere ATC, A495 Scotland Street

Produced by Road Data Services Ltd.

Channel 1 - Southwestbound

Average Speed

Week 1

Hr Ending	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday
1	38.0	34.1	33.4	35.1	36.6	37.4	36.0
2	-	34.8	29.3	39.0	36.6	38.9	30.2
3	35.8	32.3	26.8	32.7	37.1	36.2	29.8
4	41.9	39.3	32.9	38.6	36.2	39.4	38.8
5	32.4	33.8	31.5	34.2	34.3	32.7	34.6
6	36.5	37.9	35.7	35.8	35.3	36.9	37.0
7	35.8	35.0	34.7	35.3	36.5	32.5	36.0
8	33.5	34.3	33.2	33.8	35.7	36.1	32.8
9	31.7	32.1	32.1	32.5	34.0	34.9	31.6
10	30.6	31.9	32.1	33.0	32.9	34.4	32.2
11	31.8	32.3	32.0	33.5	32.3	33.0	31.2
12	33.1	32.5	31.6	32.3	32.3	33.5	31.7
13	32.8	32.6	32.3	33.3	32.6	33.6	32.5
14	32.6	33.3	32.2	33.6	33.5	33.7	31.8
15	31.9	32.1	33.2	33.0	33.9	32.7	32.3
16	32.4	31.7	31.4	32.9	33.7	33.6	32.0
17	32.3	32.4	32.9	33.0	33.2	33.7	33.2
18	33.3	32.3	32.9	31.9	33.7	34.0	33.0
19	32.6	33.1	32.7	33.8	33.9	34.1	34.1
20	34.1	34.7	34.0	33.6	34.3	35.0	33.7
21	32.9	33.3	35.8	33.4	34.0	34.1	33.8
22	34.0	34.2	33.7	32.4	33.5	35.3	36.2
23	33.9	34.6	36.0	34.9	34.1	33.6	32.7
24	34.9	32.6	35.0	34.3	32.8	37.2	34.0

10-12	32.4	32.4	31.8	32.9	32.3	33.3	31.4
14-16	32.2	31.9	32.2	32.9	33.8	33.2	32.1
0-24	32.6	32.8	32.7	33.1	33.4	33.8	32.7

Average (ALL)	33.0
Weekday Inter-Peak	32.2

Channel 1 - Southwestbound

85th Percentile

Hr Ending	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday
1	42.0	38.2	37.7	44.4	39.5	42.0	-
2	-	35.0	31.8	44.8	42.7	44.6	33.5
3	36.9	35.4	30.9	-	39.5	-	31.6
4	42.3	43.8	42.4	43.1	44.1	-	44.9
5	39.6	42.3	41.8	47.9	41.9	37.5	37.7
6	43.3	43.2	42.4	42.4	39.2	43.2	43.3
7	41.2	41.0	40.2	40.7	43.9	36.4	41.3
8	38.0	39.3	38.2	38.7	41.1	41.4	38.3
9	36.2	36.5	36.9	37.2	39.2	41.4	36.1
10	36.2	36.9	36.5	37.9	37.9	40.2	37.0
11	36.0	37.1	36.8	38.4	37.0	38.7	36.0
12	37.6	37.7	36.0	37.2	37.1	38.8	36.5
13	37.6	37.5	37.0	38.2	36.8	38.5	37.1
14	37.9	37.9	36.2	39.3	38.3	39.0	36.6
15	36.3	36.8	37.9	37.8	39.0	37.2	37.2
16	37.5	36.5	36.6	37.6	39.3	38.9	36.7
17	37.1	37.0	37.8	37.7	37.9	39.0	38.0
18	38.1	36.8	38.0	38.2	38.8	40.0	38.1
19	37.8	38.0	38.8	38.9	39.6	39.7	39.8
20	40.5	40.0	40.0	38.6	39.6	40.7	39.1
21	38.1	38.8	42.2	39.1	38.8	39.9	39.6
22	39.9	39.9	38.3	37.3	38.2	41.6	43.2
23	40.2	40.8	41.9	40.9	39.8	39.2	37.6
24	41.6	41.4	41.4	40.8	37.3	45.3	39.1

10-12	36.8	37.4	36.4	37.9	37.1	38.8	36.2
14-16	37.0	36.7	37.3	37.6	39.2	38.1	36.9
0-24	37.7	37.8	37.8	38.3	38.5	39.3	37.8

85th %ile (ALL)	38.2
Weekday Inter-Peak	37.0

Ellesmere ATC, A495 Scotland Street

Produced by Road Data Services Ltd.

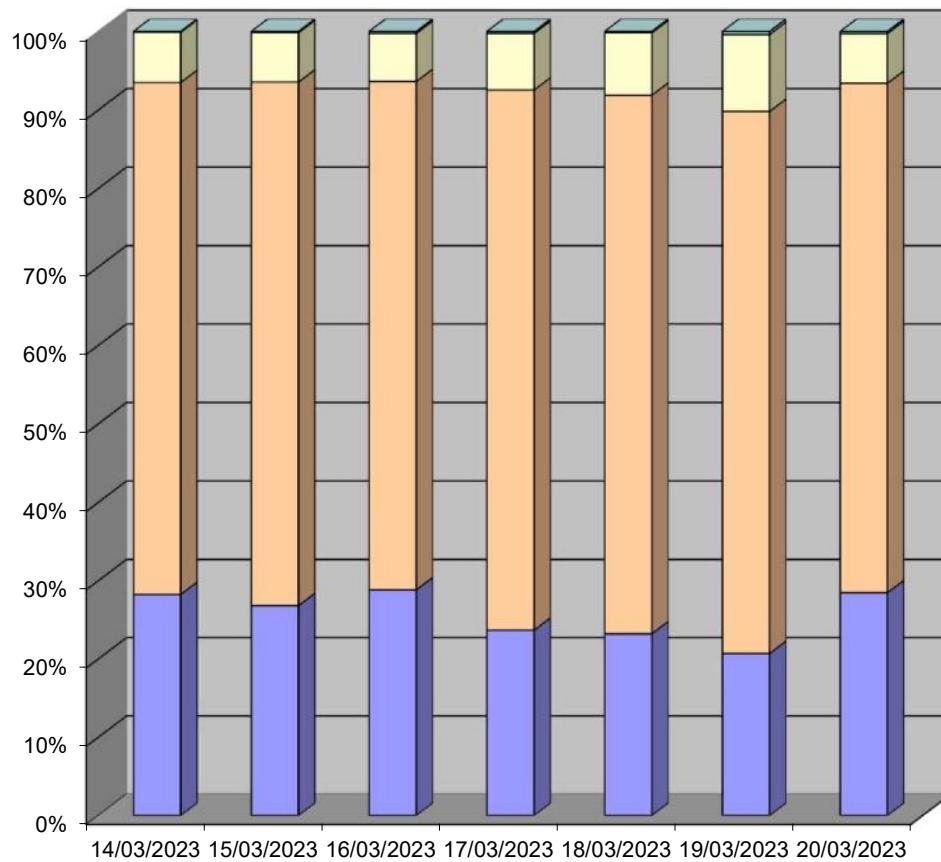
Channel 1 - Southwestbound

Speed Summary

Week 1

Speed (MPH)	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday
0-30	941	897	975	814	593	440	895
30-40	2174	2232	2191	2367	1753	1469	2042
40-50	213	210	207	248	203	208	199
50+	3	5	8	8	4	8	8
TOTAL	3331	3344	3381	3437	2553	2125	3144

Speed Summary (MPH)



Date

0-30 30-40 40-50 50+

Ellesmere ATC, A495 Scotland Street

Produced by Road Data Services Ltd.

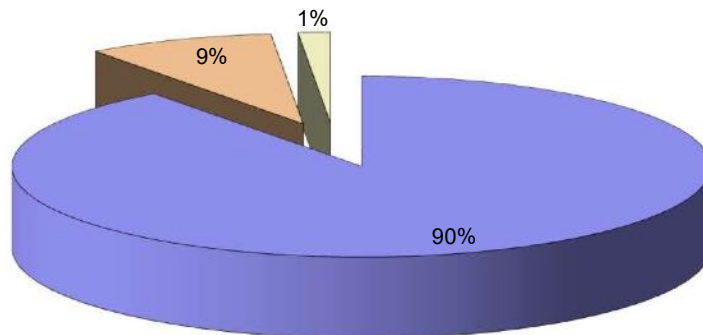
Channel 1 - Southwestbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
14/03/2023				
7-19	2621	296	44	2961
6-22	2871	319	49	3239
6-24	2910	322	49	3281
0-24	2948	331	52	3331
15/03/2023				
7-19	2575	299	40	2914
6-22	2867	329	42	3238
6-24	2901	331	44	3276
0-24	2956	340	48	3344
16/03/2023				
7-19	2653	301	56	3010
6-22	2906	323	59	3288
6-24	2940	323	61	3324
0-24	2981	333	67	3381
17/03/2023				
7-19	2701	287	46	3034
6-22	2970	309	51	3330
6-24	3027	312	51	3390
0-24	3065	316	56	3437
18/03/2023				
7-19	2061	121	19	2201
6-22	2293	136	23	2452
6-24	2351	138	24	2513
0-24	2383	142	28	2553
19/03/2023				
7-19	1794	77	10	1881
6-22	1960	82	12	2054
6-24	1990	82	13	2085
0-24	2025	85	15	2125
20/03/2023				
7-19	2476	275	38	2789
6-22	2726	291	42	3059
6-24	2766	292	44	3102
0-24	2799	296	49	3144
Average				
7-19	2412	237	36	2684
6-22	2656	256	40	2951
6-24	2698	257	41	2996
0-24	2737	263	45	3045

Total Vehicle Class Distribution



Ellesmere ATC, A495 Scotland Street

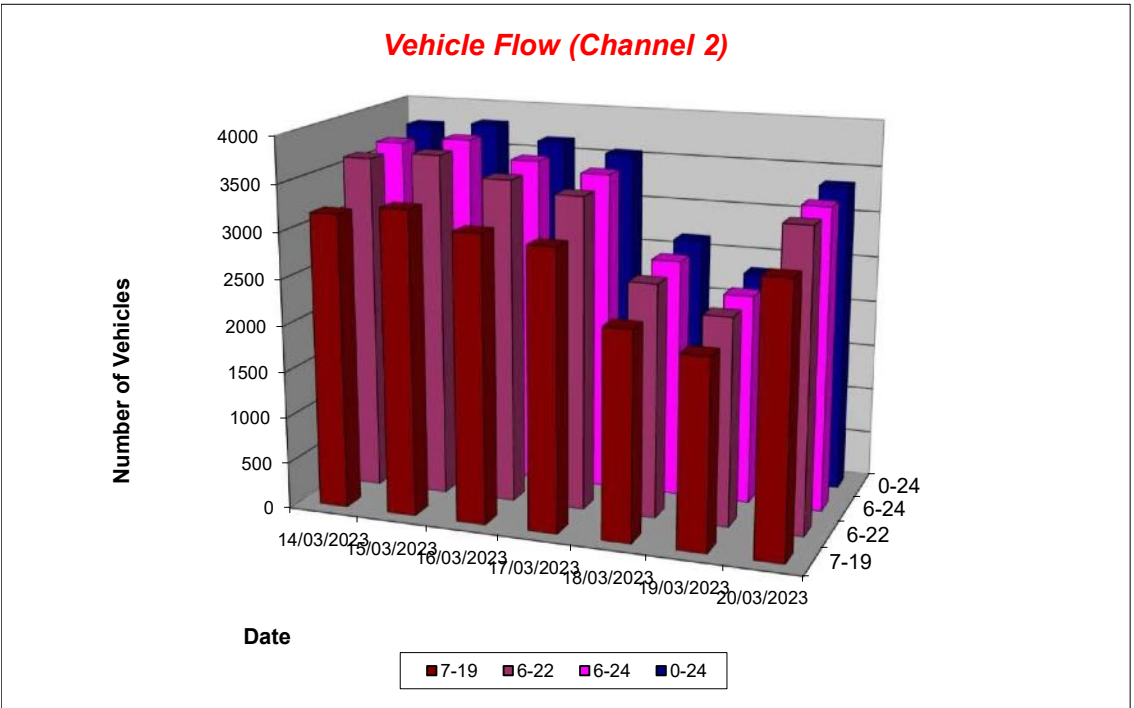
Produced by Road Data Services Ltd.

Channel 2 - Northeastbound

Vehicle Flow

Week 1

Hr Ending	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday	Weekday Average	Average
1	9	7	15	10	14	14	6	9	11
2	6	5	1	8	10	9	11	6	7
3	4	3	6	6	2	4	2	4	4
4	8	4	5	4	7	1	6	5	5
5	22	8	19	11	10	8	15	15	13
6	34	24	38	45	15	15	23	33	28
7	136	127	111	109	31	25	126	122	95
8	260	279	272	257	95	31	257	265	207
9	352	344	361	345	122	54	340	348	274
10	202	239	190	230	174	156	188	210	197
11	238	243	228	199	212	211	196	221	218
12	256	216	237	229	246	203	212	230	228
13	248	254	265	217	231	222	245	246	240
14	237	279	221	231	220	228	213	236	233
15	302	284	277	266	210	215	242	274	257
16	296	295	315	278	206	232	276	292	271
17	302	349	276	281	192	186	277	297	266
18	320	323	296	328	190	172	294	312	275
19	167	178	155	155	152	138	155	162	157
20	155	157	154	125	118	76	113	141	128
21	107	96	77	66	77	68	71	83	80
22	55	49	65	65	50	31	44	56	51
23	35	30	53	56	44	19	20	39	37
24	8	11	16	35	21	11	16	17	17
7-19	3180	3283	3093	3016	2250	2048	2895	3093	2824
6-22	3633	3712	3500	3381	2526	2248	3249	3495	3178
6-24	3676	3753	3569	3472	2591	2278	3285	3551	3232
0-24	3759	3804	3653	3556	2649	2329	3348	3624	3300



Ellesmere ATC, A495 Scotland Street

Produced by Road Data Services Ltd.

Channel 2 - Northeastbound

Average Speed

Week 1

Hr Ending	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday
1	35.6	26.4	42.1	33.5	34.5	32.9	28.0
2	34.9	33.4	62.9	31.9	33.4	30.1	33.2
3	34.9	40.9	46.1	37.4	30.0	30.2	33.2
4	38.8	37.0	37.3	25.6	26.1	22.6	32.1
5	33.4	36.8	33.1	36.7	30.1	32.8	36.5
6	33.0	34.9	33.4	33.5	34.6	34.3	34.6
7	33.0	33.3	33.1	33.5	33.6	34.4	32.4
8	30.3	30.4	29.5	30.5	30.0	33.3	30.5
9	28.6	29.2	28.7	29.5	31.4	30.8	28.8
10	29.9	29.7	29.5	29.9	30.1	30.9	29.5
11	31.2	29.1	29.8	29.5	30.0	30.4	30.0
12	29.8	29.2	30.0	29.8	29.6	31.3	29.4
13	30.8	30.0	28.2	29.4	30.5	30.2	30.0
14	29.9	29.2	28.9	30.0	30.5	30.2	30.8
15	29.6	29.4	28.9	29.7	29.8	30.3	29.6
16	28.8	28.7	27.7	29.4	29.5	30.3	28.9
17	29.3	28.6	29.0	29.8	30.6	29.9	29.6
18	29.6	29.2	29.8	29.4	30.2	30.0	29.0
19	29.0	29.7	29.0	30.3	30.7	30.4	28.9
20	31.3	31.8	31.1	31.0	30.9	32.1	30.0
21	33.8	31.6	31.6	31.7	31.9	30.9	31.4
22	34.0	33.6	31.4	31.3	31.3	34.0	31.4
23	33.2	31.8	30.8	31.6	32.7	32.8	30.3
24	29.1	32.6	31.7	32.0	30.9	32.7	29.7

10-12	30.5	29.1	29.9	29.6	29.8	30.8	29.7
14-16	29.2	29.0	28.3	29.5	29.6	30.3	29.2
0-24	30.2	29.8	29.5	30.1	30.4	30.7	29.8

Average (ALL)	30.0
Weekday Inter-Peak	29.4

Channel 2 - Northeastbound

85th Percentile

Hr Ending	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday
1	41.0	30.2	51.1	36.6	41.2	40.5	31.8
2	37.2	35.9	-	38.7	42.5	33.8	37.7
3	39.9	49.4	48.1	38.8	33.9	33.9	33.9
4	42.4	44.3	47.7	29.2	28.3	-	33.3
5	38.1	44.9	37.1	43.0	34.6	38.6	40.9
6	39.2	42.2	39.4	38.7	40.8	40.9	39.8
7	37.9	39.1	38.3	39.4	38.7	39.1	36.8
8	33.7	34.1	33.1	34.4	34.3	39.5	34.2
9	31.9	32.5	32.7	33.3	36.1	35.2	32.6
10	33.1	33.7	33.2	34.0	34.5	35.3	33.3
11	35.0	32.8	33.9	33.1	34.2	34.9	34.0
12	33.8	33.2	33.8	33.7	33.7	35.5	33.0
13	35.2	33.8	32.8	34.3	34.8	34.1	34.4
14	33.9	32.7	32.2	33.8	34.3	34.6	35.4
15	33.7	32.7	33.1	33.9	33.8	34.5	33.8
16	32.3	31.6	32.6	33.5	33.6	35.2	32.7
17	32.6	32.4	32.8	34.2	35.3	34.1	33.8
18	33.2	32.7	33.2	33.7	33.9	34.0	33.0
19	32.5	33.2	32.4	34.8	34.9	35.1	33.5
20	35.4	36.2	36.1	36.0	35.0	36.1	34.4
21	39.0	36.0	35.8	36.9	36.7	34.7	36.0
22	40.3	39.2	36.6	36.4	35.2	38.9	37.7
23	38.4	40.5	35.5	37.7	37.1	39.5	37.5
24	33.8	35.5	37.0	39.7	33.9	39.4	33.7

10-12	34.4	32.9	33.9	33.4	34.0	35.2	33.5
14-16	33.0	32.2	32.9	33.7	33.7	34.9	33.2
0-24	34.4	33.9	34.1	34.6	34.8	35.3	34.1

85th %ile (ALL)	34.4
Weekday Inter-Peak	33.4

Ellesmere ATC, A495 Scotland Street

Produced by Road Data Services Ltd.

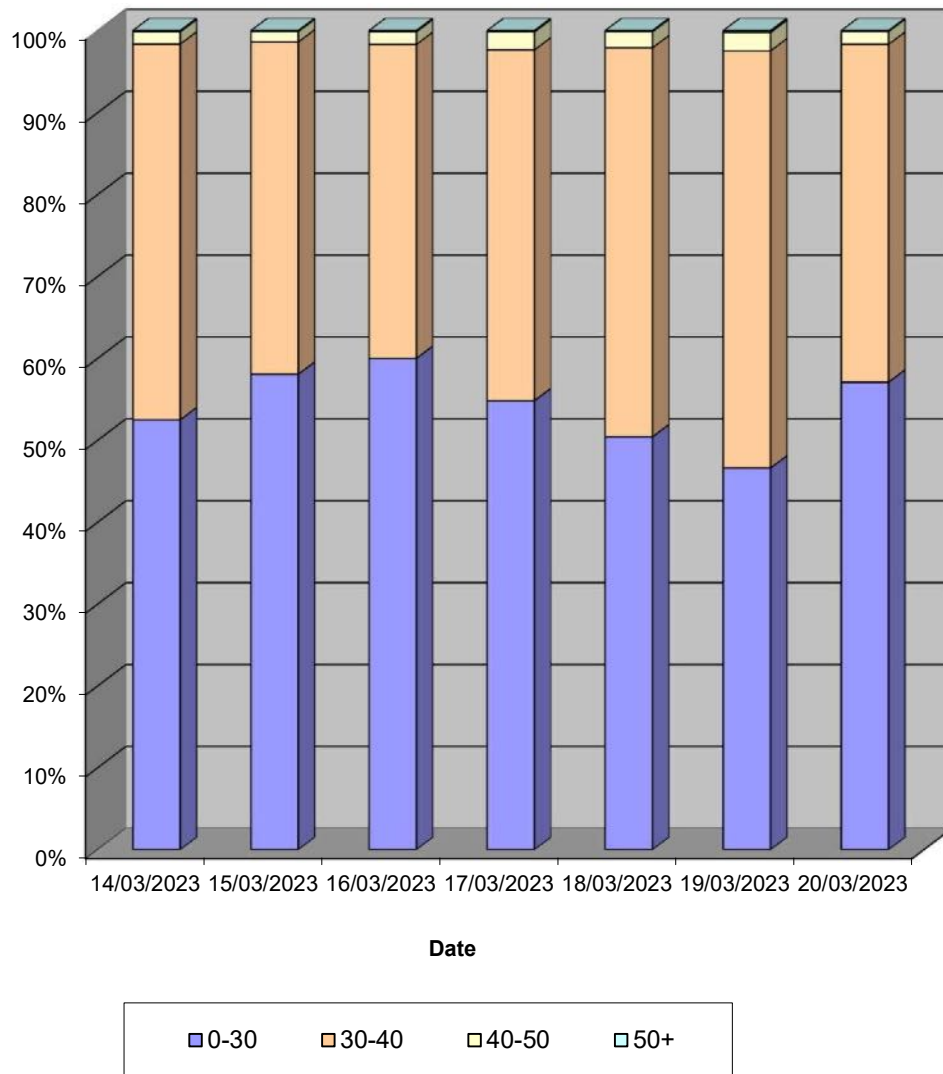
Channel 2 - Northeastbound

Speed Summary

Week 1

Speed (MPH)	14/03/2023 Tuesday	15/03/2023 Wednesday	16/03/2023 Thursday	17/03/2023 Friday	18/03/2023 Saturday	19/03/2023 Sunday	20/03/2023 Monday
0-30	1974	2209	2192	1950	1336	1086	1912
30-40	1724	1543	1400	1523	1258	1186	1381
40-50	56	48	56	78	52	52	52
50+	5	4	5	5	3	5	3
TOTAL	3759	3804	3653	3556	2649	2329	3348

Speed Summary (MPH)



Ellesmere ATC, A495 Scotland Street

Produced by Road Data Services Ltd.

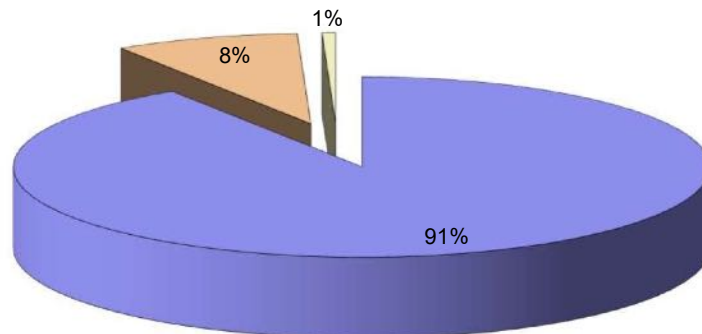
Channel 2 - Northeastbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
14/03/2023				
7-19	2919	240	21	3180
6-22	3350	260	23	3633
6-24	3388	265	23	3676
0-24	3459	275	25	3759
15/03/2023				
7-19	3041	225	17	3283
6-22	3436	258	18	3712
6-24	3475	260	18	3753
0-24	3516	265	23	3804
16/03/2023				
7-19	2787	281	25	3093
6-22	3165	310	25	3500
6-24	3232	312	25	3569
0-24	3309	317	27	3653
17/03/2023				
7-19	2621	372	23	3016
6-22	2962	395	24	3381
6-24	3049	399	24	3472
0-24	3128	400	28	3556
18/03/2023				
7-19	2089	156	5	2250
6-22	2351	170	5	2526
6-24	2415	170	6	2591
0-24	2462	181	6	2649
19/03/2023				
7-19	1923	116	9	2048
6-22	2116	123	9	2248
6-24	2146	123	9	2278
0-24	2189	130	10	2329
20/03/2023				
7-19	2488	382	25	2895
6-22	2819	404	26	3249
6-24	2855	404	26	3285
0-24	2914	408	26	3348
Average				
7-19	2553	253	18	2824
6-22	2886	274	19	3178
6-24	2937	276	19	3232
0-24	2997	282	21	3300

Total Vehicle Class Distribution



Appendix 4

Manual Classified Count Survey Data

Ellesmere

Tuesday 14th March 2023

Junction: 1

Approach: Ellesmere Business Park

TIME	Left to A495 (E)									Right to A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	0	0	0	0	3	3	6.0	0	0	0	0	0	0	2	2	4.0
07:15 - 07:30	0	0	0	0	0	0	3	3	6.0	0	0	0	0	0	0	1	1	2.0
07:30 - 07:45	0	0	0	2	0	0	3	5	8.0	0	0	0	0	0	0	5	5	10.0
07:45 - 08:00	0	0	0	0	0	0	2	2	4.0	0	0	1	0	0	0	0	1	1.0
Hourly Total	0	0	0	2	0	0	11	13	24.0	0	0	1	0	0	0	8	9	17.0
08:00 - 08:15	0	0	3	1	0	0	4	8	12.0	0	0	0	0	0	0	0	0	0.0
08:15 - 08:30	0	0	1	0	0	0	3	4	7.0	0	0	0	0	0	0	0	0	0.0
08:30 - 08:45	0	0	1	0	0	1	0	2	3.3	0	0	1	0	0	0	0	1	1.0
08:45 - 09:00	0	0	1	0	0	0	1	2	3.0	0	0	2	2	0	0	0	4	4.0
Hourly Total	0	0	6	1	0	1	8	16	25.3	0	0	3	2	0	0	0	5	5.0
09:00 - 09:15	0	0	6	1	0	1	0	8	9.3	0	0	0	0	0	0	0	0	0.0
09:15 - 09:30	0	0	5	3	0	0	0	8	8.0	0	0	0	1	0	0	0	1	1.0
09:30 - 09:45	0	0	3	0	0	0	0	3	3.0	0	0	1	2	0	0	1	4	5.0
09:45 - 10:00	0	0	2	3	0	0	0	5	5.0	0	0	1	0	0	0	0	1	1.0
Hourly Total	0	0	16	7	0	1	0	24	25.3	0	0	2	3	0	0	1	6	7.0

TOTAL	0	0	22	10	0	2	19	53	74.6	0	0	6	5	0	0	9	20	29.0
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16:00 - 16:15	0	0	3	2	0	0	0	5	5.0	0	0	3	0	0	0	0	3	3.0
16:15 - 16:30	0	0	7	2	0	0	0	9	9.0	0	0	1	0	0	0	0	1	1.0
16:30 - 16:45	0	0	4	0	0	0	1	5	6.0	0	0	0	0	0	0	0	0	0.0
16:45 - 17:00	0	0	3	4	0	0	3	10	13.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	17	8	0	0	4	29	33.0	0	0	4	0	0	0	0	4	4.0
17:00 - 17:15	0	0	9	4	1	0	1	15	16.5	0	0	4	0	0	0	0	4	4.0
17:15 - 17:30	0	0	8	1	0	0	0	9	9.0	0	0	0	0	0	0	0	0	0.0
17:30 - 17:45	0	0	7	0	0	0	0	7	7.0	0	0	3	0	0	0	0	3	3.0
17:45 - 18:00	0	0	6	0	0	0	0	6	6.0	0	0	1	0	0	0	0	1	1.0
Hourly Total	0	0	30	5	1	0	1	37	38.5	0	0	8	0	0	0	0	8	8.0
18:00 - 18:15	0	0	1	0	0	0	0	1	1.0	0	0	1	0	0	0	0	1	1.0
18:15 - 18:30	0	0	1	0	1	0	0	2	2.5	0	0	1	0	0	0	0	1	1.0
18:30 - 18:45	0	0	4	0	0	0	0	4	4.0	0	0	3	0	0	0	0	3	3.0
18:45 - 19:00	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	8	0	1	0	0	9	9.5	0	0	5	0	0	0	0	5	5.0

TOTAL	0	0	55	13	2	0	5	75	81.0	0	0	17	0	0	0	0	17	17.0
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PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Tuesday 14th March 2023
Junction: 1
Approach: A495 East

TIME	Ahead to A495 (W)									Right to Ellesmere Business Park									U-Turn								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	22	9	2	0	0	33	34.0	0	0	0	2	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
07:15 - 07:30	0	0	46	15	2	6	0	69	77.8	0	0	1	2	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
07:30 - 07:45	0	0	54	12	3	5	0	74	82.0	0	0	4	1	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
07:45 - 08:00	0	0	69	16	3	3	0	91	96.4	0	0	6	3	0	0	0	9	9.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	191	52	10	14	0	267	290.2	0	0	11	8	0	0	0	19	19.0	0	0	0	0	0	0	0	0	0.0
08:00 - 08:15	0	0	66	14	3	2	0	85	89.1	0	0	5	0	0	1	0	6	7.3	0	0	0	0	0	0	0	0	0.0
08:15 - 08:30	0	0	65	8	3	3	1	80	86.4	0	0	6	2	0	0	0	8	8.0	0	0	0	0	0	0	0	0	0.0
08:30 - 08:45	2	0	87	17	1	3	0	110	112.8	0	0	9	1	0	0	3	13	16.0	0	0	0	0	0	0	0	0	0.0
08:45 - 09:00	0	0	50	6	4	1	0	61	64.3	0	0	8	1	0	0	7	16	23.0	0	0	0	1	0	0	1	2	3.0
Hourly Total	2	0	268	45	11	9	1	336	352.6	0	0	28	4	0	1	10	43	64.3	0	0	0	1	0	0	1	2	3.0
09:00 - 09:15	0	0	38	14	3	2	1	58	63.1	0	0	7	5	0	0	5	17	22.0	0	0	1	1	0	0	0	2	2.0
09:15 - 09:30	0	0	38	15	3	3	1	60	66.4	0	0	2	1	0	0	2	5	7.0	0	0	0	0	1	0	0	1	1.5
09:30 - 09:45	0	1	41	6	4	2	0	54	58.0	0	0	3	1	0	1	1	6	8.3	0	0	1	0	0	0	0	1	1.0
09:45 - 10:00	0	0	28	14	3	3	0	48	53.4	0	0	3	1	0	0	1	5	6.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	1	145	49	13	10	2	220	240.9	0	0	15	8	0	1	9	33	43.3	0	0	2	1	1	0	0	4	4.5
TOTAL	2	1	604	146	34	33	3	823	883.7	0	0	54	20	0	2	19	95	116.6	0	0	2	2	1	0	1	6	7.5
16:00 - 16:15	0	0	59	14	2	0	0	75	76.0	0	0	0	3	0	0	1	4	5.0	0	0	0	0	0	0	0	0	0.0
16:15 - 16:30	0	1	43	22	0	1	0	67	67.7	0	0	3	0	0	0	2	5	7.0	0	0	0	0	0	0	0	0	0.0
16:30 - 16:45	0	0	45	17	0	0	0	62	62.0	0	0	1	0	0	0	2	3	5.0	0	0	0	0	0	0	0	0	0.0
16:45 - 17:00	0	1	51	12	1	2	1	68	71.5	0	0	5	3	0	0	2	10	12.0	0	0	1	0	0	0	0	1	1.0
Hourly Total	0	2	198	65	3	3	1	272	277.2	0	0	9	6	0	0	7	22	29.0	0	0	1	0	0	0	0	1	1.0
17:00 - 17:15	0	2	88	16	1	2	0	109	110.9	0	0	2	0	0	0	2	4	6.0	0	0	2	0	0	0	0	2	2.0
17:15 - 17:30	0	0	57	17	0	0	1	75	76.0	0	0	3	0	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
17:30 - 17:45	0	0	69	14	0	1	0	84	85.3	0	0	2	0	0	0	1	3	4.0	0	0	0	0	0	0	0	0	0.0
17:45 - 18:00	0	0	42	11	1	0	0	54	54.5	0	0	4	0	0	0	1	5	6.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	2	256	58	2	3	1	322	326.7	0	0	11	0	0	0	4	15	19.0	0	0	2	0	0	0	0	2	2.0
18:00 - 18:15	0	1	45	7	1	0	1	55	55.9	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
18:15 - 18:30	0	0	32	5	0	1	0	38	39.3	0	0	0	0	0	0	4	4	8.0	0	0	0	0	0	0	0	0	0.0
18:30 - 18:45	0	0	31	7	1	2	2	43	48.1	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0.0
18:45 - 19:00	0	0	36	7	1	0	0	44	44.5	0	0	0	0	0	0	2	2	4.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	1	144	26	3	3	3	180	187.8	0	0	1	0	0	0	6	7	13.0	0	0	0	0	0	0	0	0	0.0
TOTAL	0	5	598	149	8	9	5	774	791.7	0	0	21	6	0	0	17	44	61.0	0	0	3	0	0	0	0	3	3.0

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Tuesday 14th March 2023

Junction: 1

Approach: A495 West

TIME	Left to Ellesmere Business Park									Ahead to A495 (E)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	4	1	0	0	0	5	5.0	0	0	28	19	2	3	1	53	58.9
07:15 - 07:30	0	0	0	0	0	0	0	0	0.0	0	0	25	17	2	4	1	49	56.2
07:30 - 07:45	0	0	1	0	0	0	0	1	1.0	0	0	47	19	4	5	1	76	85.5
07:45 - 08:00	0	0	1	1	0	0	0	2	2.0	0	1	52	16	5	1	1	76	80.2
Hourly Total	0	0	6	2	0	0	0	8	8.0	0	1	152	71	13	13	4	254	280.8
08:00 - 08:15	0	0	3	0	0	0	0	3	3.0	0	0	65	18	7	3	0	93	100.4
08:15 - 08:30	0	0	1	0	0	0	0	1	1.0	0	0	68	16	3	3	0	90	95.4
08:30 - 08:45	0	0	0	0	0	0	0	0	0.0	0	0	80	15	5	1	2	103	108.8
08:45 - 09:00	0	0	3	2	0	0	0	5	5.0	0	0	33	8	4	4	0	49	56.2
Hourly Total	0	0	7	2	0	0	0	9	9.0	0	0	246	57	19	11	2	335	360.8
09:00 - 09:15	0	0	2	0	0	1	0	3	4.3	0	1	32	12	4	3	0	52	57.3
09:15 - 09:30	0	0	1	0	0	0	0	1	1.0	0	0	32	10	4	3	0	49	54.9
09:30 - 09:45	0	0	0	1	0	0	0	1	1.0	0	0	23	12	4	1	0	40	43.3
09:45 - 10:00	0	0	0	2	0	0	0	2	2.0	0	0	19	11	4	2	1	37	42.6
Hourly Total	0	0	3	3	0	1	0	7	8.3	0	1	106	45	16	9	1	178	198.1

TOTAL	0	0	16	7	0	1	0	24	25.3	0	2	504	173	48	33	7	767	839.7
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16:00 - 16:15	0	0	1	2	0	0	0	3	3.0	0	0	65	8	1	4	0	78	83.7
16:15 - 16:30	0	0	3	0	0	0	2	5	7.0	0	1	48	12	5	0	0	66	67.9
16:30 - 16:45	0	0	1	0	0	0	1	2	3.0	0	0	50	16	0	1	1	68	70.3
16:45 - 17:00	0	0	0	0	0	0	0	0	0.0	0	0	45	16	1	3	1	66	71.4
Hourly Total	0	0	5	2	0	0	3	10	13.0	0	1	208	52	7	8	2	278	293.3
17:00 - 17:15	0	0	2	0	1	0	0	3	3.5	0	0	73	9	0	0	0	82	82.0
17:15 - 17:30	0	0	0	0	0	0	0	0	0.0	0	0	73	8	0	0	0	81	81.0
17:30 - 17:45	0	0	0	0	0	0	0	0	0.0	0	0	48	8	1	0	1	58	59.5
17:45 - 18:00	0	0	1	0	0	0	0	1	1.0	0	0	52	11	1	0	0	64	64.5
Hourly Total	0	0	3	0	1	0	0	4	4.5	0	0	246	36	2	0	1	285	287.0
18:00 - 18:15	0	0	0	0	0	0	0	0	0.0	0	0	37	3	1	0	1	42	43.5
18:15 - 18:30	0	0	0	0	0	0	0	0	0.0	0	0	56	7	1	1	0	65	66.8
18:30 - 18:45	0	0	0	0	0	0	0	0	0.0	0	0	29	11	1	0	0	41	41.5
18:45 - 19:00	0	0	0	0	0	0	0	0	0.0	0	0	11	1	0	0	0	12	12.0
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	0	133	22	3	1	1	160	163.8

TOTAL	0	0	8	2	1	0	3	14	17.5	0	1	587	110	12	9	4	723	744.1
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PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Saturday 18th March 2023

Junction: 1

Approach: Ellesmere Business Park

TIME	Left to A495 (E)									Right to A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	1	2	0	0	0	3	3.0	0	0	1	0	0	1	0	2	3.3
10:15 - 10:30	0	0	1	0	0	0	0	1	1.0	0	0	2	0	0	1	0	3	4.3
10:30 - 10:45	0	0	1	0	0	0	0	1	1.0	0	0	3	0	0	0	0	3	3.0
10:45 - 11:00	0	0	4	0	0	0	0	4	4.0	0	0	2	0	0	0	0	2	2.0
Hourly Total	0	0	7	2	0	0	0	9	9.0	0	0	8	0	0	2	0	10	12.6
11:00 - 11:15	0	0	2	1	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
11:15 - 11:30	0	0	1	1	0	0	2	4	6.0	0	0	0	0	0	1	0	1	2.3
11:30 - 11:45	0	0	3	0	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
11:45 - 12:00	0	0	5	0	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	11	2	0	0	2	15	17.0	0	0	0	0	0	1	0	1	2.3
12:00 - 12:15	0	0	0	1	1	0	0	2	2.5	0	0	1	0	0	0	0	1	1.0
12:15 - 12:30	0	0	2	0	0	0	1	3	4.0	0	0	0	0	0	0	0	0	0.0
12:30 - 12:45	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	1	1	2.0
12:45 - 13:00	0	0	0	0	0	0	1	1	2.0	0	0	1	0	0	0	0	1	1.0
Hourly Total	0	0	3	1	1	0	2	7	9.5	0	0	2	0	0	0	1	3	4.0
13:00 - 13:15	0	0	0	2	0	0	0	2	2.0	0	0	1	0	0	0	1	2	3.0
13:15 - 13:30	0	0	3	1	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0
13:30 - 13:45	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
13:45 - 14:00	0	0	2	1	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	6	4	0	0	0	10	10.0	0	0	1	0	0	0	1	2	3.0
14:00 - 14:15	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
14:15 - 14:30	0	0	0	0	0	0	0	0	0.0	0	0	1	0	0	0	0	1	1.0
14:30 - 14:45	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
14:45 - 15:00	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	5	0	0	0	0	5	5.0	0	0	1	0	0	0	0	1	1.0
15:00 - 15:15	0	0	1	2	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
15:15 - 15:30	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0.0
15:30 - 15:45	0	0	0	1	0	0	1	2	3.0	0	0	0	0	0	0	1	1	2.0
15:45 - 16:00	0	0	0	0	0	0	1	1	2.0	0	0	1	0	0	0	0	1	1.0
Hourly Total	0	0	1	3	0	0	2	6	8.0	0	0	1	0	0	0	1	2	3.0
16:00 - 16:15	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0.0
16:15 - 16:30	0	0	0	0	0	0	1	1	2.0	0	0	0	0	0	0	0	0	0.0
16:30 - 16:45	0	0	3	1	0	0	1	5	6.0	0	0	0	0	0	0	0	0	0.0
16:45 - 17:00	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	4	1	0	0	2	7	9.0	0	0	0	0	0	0	0	0	0.0
TOTAL	0	0	37	13	1	0	8	59	67.5	0	0	13	0	0	3	3	19	25.9

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Saturday 18th March 2023
Junction: 1
Approach: A495 East

TIME	Ahead to A495 (W)									Right to Ellesmere Business Park									U-Turn										
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs		
10:00 - 10:15	0	0	60	9	1	1	1	72	74.8	0	0	2	0	0	0	0	2	2.0	0	0	1	0	0	0	0	0	1	1.0	
10:15 - 10:30	0	0	57	4	1	0	0	62	62.5	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0	0.0	
10:30 - 10:45	0	0	41	9	0	0	0	50	50.0	0	0	1	1	0	0	0	2	2.0	0	0	1	0	0	0	0	0	1	1.0	
10:45 - 11:00	0	1	45	5	1	2	0	54	56.5	0	0	2	2	0	0	1	5	6.0	0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	0	1	203	27	3	3	1	238	243.8	0	0	7	3	0	0	1	11	12.0	0	0	2	0	0	0	0	0	2	2.0	
11:00 - 11:15	0	1	49	3	1	0	1	55	55.9	0	0	1	1	0	1	0	2	2.5	0	0	0	1	0	0	0	0	1	1.0	
11:15 - 11:30	0	0	47	9	1	3	0	60	64.4	0	0	3	0	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0	0.0	
11:30 - 11:45	0	0	59	6	1	0	0	66	66.5	0	0	1	0	0	0	1	2	3.0	0	0	0	0	0	0	0	0	0	0.0	
11:45 - 12:00	0	2	62	9	3	1	0	77	78.6	0	0	4	0	0	0	1	5	6.0	0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	0	3	217	27	6	4	1	258	265.4	0	0	9	0	1	0	2	12	14.5	0	0	0	1	0	0	0	0	1	1.0	
12:00 - 12:15	1	1	42	12	2	0	0	58	57.6	0	0	0	0	0	0	1	1	2.0	0	0	0	0	0	0	0	0	0	0.0	
12:15 - 12:30	0	1	73	13	0	1	0	88	88.7	0	0	0	0	0	0	0	0	0.0	0	0	1	0	0	0	0	0	1	1.0	
12:30 - 12:45	0	0	60	12	0	2	0	74	76.6	0	0	0	1	0	0	0	1	1.0	0	0	1	0	0	0	0	0	1	1.0	
12:45 - 13:00	0	0	61	11	0	0	0	72	72.0	0	0	1	1	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	1	2	236	48	2	3	0	292	294.9	0	0	1	2	0	0	1	4	5.0	0	0	2	0	0	0	0	0	2	2.0	
13:00 - 13:15	0	0	54	5	0	1	1	61	63.3	0	0	0	0	0	0	2	2	4.0	0	0	0	0	0	0	0	0	0	0.0	
13:15 - 13:30	0	0	43	10	0	0	0	53	53.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0	0.0	
13:30 - 13:45	0	1	46	6	0	0	0	53	52.4	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0	0.0	
13:45 - 14:00	0	1	38	11	0	0	0	50	49.4	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	0	2	181	32	0	1	1	217	218.1	0	0	2	0	0	0	2	4	6.0	0	0	0	0	0	0	0	0	0	0	0.0
14:00 - 14:15	0	0	40	2	0	0	1	43	44.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0	0.0	
14:15 - 14:30	0	0	50	6	0	0	0	56	56.0	0	0	0	0	1	0	0	1	1.0	0	0	0	0	0	0	0	0	0	0.0	
14:30 - 14:45	0	0	42	4	1	0	0	47	47.5	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0	0.0	
14:45 - 15:00	0	0	39	4	0	0	0	43	43.0	0	0	2	1	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	0	0	171	16	1	0	1	189	190.5	0	0	2	2	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0	0	0.0
15:00 - 15:15	0	0	30	3	0	0	0	33	33.0	0	0	1	1	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0	0.0	
15:15 - 15:30	0	0	36	3	0	0	0	39	39.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0	0.0	
15:30 - 15:45	0	0	51	3	0	0	0	54	54.0	0	0	1	0	0	0	0	1	2	3.0	0	0	0	0	0	0	0	0	0.0	
15:45 - 16:00	0	1	36	5	0	0	0	42	41.4	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	0	1	153	14	0	0	0	168	167.4	0	0	3	1	0	0	1	5	6.0	0	0	0	0	0	0	0	0	0	0	0.0
16:00 - 16:15	0	0	24	2	0	0	0	26	26.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0	0.0	
16:15 - 16:30	0	1	37	4	1	0	0	43	42.9	0	0	2	0	0	0	0	1	3	4.0	0	0	0	0	0	0	0	0	0	0.0
16:30 - 16:45	0	0	46	5	0	0	0	51	51.0	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0	0.0	
16:45 - 17:00	0	0	31	8	2	0	1	42	44.0	0	0	1	0	0	0	0	1	1.0	0	0	1	0	0	0	0	0	1	1.0	
Hourly Total	0	1	138	19	3	0	1	162	163.9	0	0	4	0	0	0	1	5	6.0	0	0	1	0	0	0	0	0	1	1.0	
TOTAL	1	10	1299	183	15	11	5	1524	1544.0	0	0	28	8	1	0	8	45	53.5	0	0	5	1	0	0	0	0	6	6.0	

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Saturday 18th March 2023
Junction: 1
Approach: A495 West

TIME	Left to Ellesmere Business Park									Ahead to A495 (E)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	1	0	0	1	0	2	3.3	0	0	38	6	1	1	0	46	47.8
10:15 - 10:30	0	0	3	0	0	1	1	5	7.3	2	1	37	7	0	0	0	47	44.8
10:30 - 10:45	0	0	0	0	0	0	0	0	0.0	0	0	43	9	0	1	0	53	54.3
10:45 - 11:00	0	1	1	0	0	0	0	2	1.4	0	1	55	4	1	0	1	62	62.9
Hourly Total	0	1	5	0	0	2	1	9	12.0	2	2	173	26	2	2	1	208	209.8
11:00 - 11:15	0	0	0	0	0	1	0	1	2.3	0	1	38	2	2	0	0	43	43.4
11:15 - 11:30	0	0	2	0	0	0	0	2	2.0	0	3	61	5	1	2	0	72	73.3
11:30 - 11:45	0	0	1	1	0	0	0	2	2.0	0	0	57	3	2	1	0	63	65.3
11:45 - 12:00	0	0	0	0	0	0	0	0	0.0	0	0	46	6	2	1	1	56	59.3
Hourly Total	0	0	3	1	0	1	0	5	6.3	0	4	202	16	7	4	1	234	241.3
12:00 - 12:15	0	0	0	0	0	0	0	0	0.0	0	0	49	10	1	0	0	60	60.5
12:15 - 12:30	0	0	0	0	0	1	0	1	2.3	0	0	57	9	1	0	0	67	67.5
12:30 - 12:45	0	0	0	0	0	0	0	0	0.0	0	0	44	4	0	1	0	49	50.3
12:45 - 13:00	0	0	0	0	0	0	0	0	0.0	0	0	46	5	2	0	0	53	54.0
Hourly Total	0	0	0	0	0	1	0	1	2.3	0	0	196	28	4	1	0	229	232.3
13:00 - 13:15	0	0	0	1	0	0	0	1	1.0	0	0	44	9	1	0	0	54	54.5
13:15 - 13:30	0	0	1	0	0	0	0	1	1.0	0	2	57	4	1	0	0	64	63.3
13:30 - 13:45	0	0	0	0	0	0	0	0	0.0	0	0	29	4	0	1	0	34	35.3
13:45 - 14:00	0	0	0	0	0	0	0	0	0.0	0	1	48	10	2	0	1	62	63.4
Hourly Total	0	0	1	1	0	0	0	2	2.0	0	3	178	27	4	1	1	214	216.5
14:00 - 14:15	0	0	0	0	0	0	0	0	0.0	0	0	48	7	0	0	0	55	55.0
14:15 - 14:30	0	0	0	0	0	0	0	0	0.0	0	3	47	4	2	1	0	57	57.5
14:30 - 14:45	0	0	1	1	0	0	0	2	2.0	0	0	46	8	0	1	0	55	56.3
14:45 - 15:00	0	0	0	0	0	0	2	2	4.0	0	1	40	3	1	0	0	45	44.9
Hourly Total	0	0	1	1	0	0	2	4	6.0	0	4	181	22	3	2	0	212	213.7
15:00 - 15:15	0	0	0	0	0	0	0	0	0.0	0	0	38	5	0	1	0	44	45.3
15:15 - 15:30	0	0	0	0	0	0	0	0	0.0	0	0	56	9	0	0	0	65	65.0
15:30 - 15:45	0	0	0	0	0	0	0	0	0.0	0	1	39	4	0	1	0	45	45.7
15:45 - 16:00	0	0	0	0	0	0	0	0	0.0	0	0	42	7	0	0	0	49	49.0
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	1	175	25	0	2	0	203	205.0
16:00 - 16:15	0	0	0	0	0	0	0	0	0.0	0	0	42	6	0	0	0	48	48.0
16:15 - 16:30	0	0	0	0	0	0	0	0	0.0	0	1	43	3	1	1	0	49	50.2
16:30 - 16:45	0	0	0	0	0	0	0	0	0.0	0	1	32	7	0	0	0	40	39.4
16:45 - 17:00	0	0	0	0	0	0	0	0	0.0	0	0	49	2	0	0	0	51	51.0
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	2	166	18	1	1	0	188	188.6
TOTAL	0	1	10	3	0	4	3	21	28.6	2	16	1271	162	21	13	3	1488	1507.2

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Tuesday 14th March 2023

Junction: 2

Approach: A495 East

TIME	To Canal Way									To A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	9	1	0	0	0	10	10.0	0	0	18	8	2	1	0	29	31.3
07:15 - 07:30	0	0	4	2	0	0	0	6	6.0	0	0	36	13	2	5	0	56	63.5
07:30 - 07:45	0	0	2	3	0	0	0	5	5.0	0	0	44	10	3	4	0	61	67.7
07:45 - 08:00	0	0	9	4	1	0	0	14	14.5	0	0	61	15	3	3	0	82	87.4
Hourly Total	0	0	24	10	1	0	0	35	35.5	0	0	159	46	10	13	0	228	249.9
08:00 - 08:15	0	0	15	1	0	1	0	17	18.3	0	0	62	14	2	2	0	80	83.6
08:15 - 08:30	0	0	19	5	0	0	0	24	24.0	2	0	77	13	2	3	1	98	102.3
08:30 - 08:45	0	0	13	2	0	0	0	15	15.0	0	0	65	18	1	4	5	93	103.7
08:45 - 09:00	0	0	26	5	2	0	0	33	34.0	0	0	54	9	2	0	7	72	80.0
Hourly Total	0	0	73	13	2	1	0	89	91.3	2	0	258	54	7	9	13	343	369.6
09:00 - 09:15	0	0	14	4	0	1	0	19	20.3	0	0	35	19	2	2	5	63	71.6
09:15 - 09:30	0	1	13	3	0	0	0	17	16.4	0	0	28	18	3	3	3	55	63.4
09:30 - 09:45	0	0	19	1	0	0	0	20	20.0	0	0	35	7	3	3	2	50	57.4
09:45 - 10:00	0	0	21	3	1	1	0	26	27.8	0	0	25	16	4	3	1	49	55.9
Hourly Total	0	1	67	11	1	2	0	82	84.5	0	0	123	60	12	11	11	217	248.3

TOTAL	0	1	164	34	4	3	0	206	211.3	2	0	540	160	29	33	24	788	867.8
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16:00 - 16:15	0	0	14	3	0	0	0	17	17.0	0	0	52	16	2	0	1	71	73.0
16:15 - 16:30	0	0	29	4	0	0	0	33	33.0	0	1	28	17	0	1	2	49	51.7
16:30 - 16:45	0	0	28	6	0	0	0	34	34.0	0	0	33	12	0	0	2	47	49.0
16:45 - 17:00	0	0	34	4	0	1	0	39	40.3	0	1	33	13	1	2	3	53	58.5
Hourly Total	0	0	105	17	0	1	0	123	124.3	0	2	146	58	3	3	8	220	232.2
17:00 - 17:15	0	0	33	6	0	0	0	39	39.0	0	1	68	15	1	2	2	89	93.5
17:15 - 17:30	0	0	37	5	1	0	0	43	43.5	0	0	51	15	0	0	1	67	68.0
17:30 - 17:45	0	0	24	3	0	0	0	27	27.0	0	0	53	12	0	1	1	67	69.3
17:45 - 18:00	0	0	26	2	0	0	0	28	28.0	0	0	52	12	1	0	2	67	69.5
Hourly Total	0	0	120	16	1	0	0	137	137.5	0	1	224	54	2	3	6	290	300.3
18:00 - 18:15	0	0	20	6	1	0	0	27	27.5	0	1	35	8	1	0	0	45	44.9
18:15 - 18:30	0	0	29	4	0	0	0	33	33.0	0	0	29	6	0	1	4	40	45.3
18:30 - 18:45	0	0	14	2	0	0	0	16	16.0	0	0	23	6	2	2	3	36	42.6
18:45 - 19:00	0	0	15	5	0	0	0	20	20.0	0	0	25	7	0	0	1	33	34.0
Hourly Total	0	0	78	17	1	0	0	96	96.5	0	1	112	27	3	3	8	154	166.8

TOTAL	0	0	303	50	2	1	0	356	358.3	0	4	482	139	8	9	22	664	699.3
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PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Tuesday 14th March 2023

Junction: 2

Approach: Canal Way

TIME	To A495 (W)									To A495 (E)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	2	1	0	0	0	3	3.0	0	0	11	1	0	0	0	12	12.0
07:15 - 07:30	0	0	3	3	0	0	0	6	6.0	0	0	21	4	0	0	0	25	25.0
07:30 - 07:45	0	0	5	3	0	1	0	9	10.3	0	0	11	2	1	0	0	14	14.5
07:45 - 08:00	0	0	10	3	0	0	0	13	13.0	0	0	23	5	1	0	0	29	29.5
Hourly Total	0	0	20	10	0	1	0	31	32.3	0	0	66	12	2	0	0	80	81.0
08:00 - 08:15	0	0	8	0	0	0	0	8	8.0	0	0	22	3	0	1	0	26	27.3
08:15 - 08:30	0	0	25	1	1	0	0	27	27.5	0	0	19	3	0	1	0	23	24.3
08:30 - 08:45	0	0	14	1	0	0	0	15	15.0	0	0	23	3	0	0	0	26	26.0
08:45 - 09:00	0	0	8	0	0	1	0	9	10.3	0	0	13	2	0	1	0	16	17.3
Hourly Total	0	0	55	2	1	1	0	59	60.8	0	0	77	11	0	3	0	91	94.9
09:00 - 09:15	0	0	6	4	1	0	0	11	11.5	0	0	10	5	1	0	0	16	16.5
09:15 - 09:30	0	0	9	1	1	0	0	11	11.5	0	0	12	5	0	0	0	17	17.0
09:30 - 09:45	0	1	8	2	0	0	0	11	10.4	0	0	12	2	1	1	0	16	17.8
09:45 - 10:00	0	0	7	0	1	0	0	8	8.5	0	0	8	3	1	0	0	12	12.5
Hourly Total	0	1	30	7	3	0	0	41	41.9	0	0	42	15	3	1	0	61	63.8

TOTAL	0	1	105	19	4	2	0	131	135.0	0	0	185	38	5	4	0	232	239.7
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16:00 - 16:15	0	1	15	0	0	0	0	16	15.4	0	0	34	6	0	0	0	40	40.0
16:15 - 16:30	0	0	10	5	0	0	0	15	15.0	0	0	24	1	0	0	0	25	25.0
16:30 - 16:45	0	0	12	2	0	0	0	14	14.0	0	0	25	1	0	0	0	26	26.0
16:45 - 17:00	0	0	9	2	0	0	0	11	11.0	0	0	17	2	0	0	0	19	19.0
Hourly Total	0	1	46	9	0	0	0	56	55.4	0	0	100	10	0	0	0	110	110.0
17:00 - 17:15	0	0	14	0	0	0	0	14	14.0	0	0	34	7	0	0	0	41	41.0
17:15 - 17:30	0	0	11	2	0	0	0	13	13.0	0	0	27	7	0	0	0	34	34.0
17:30 - 17:45	0	0	18	3	0	0	0	21	21.0	0	0	36	4	1	0	0	41	41.5
17:45 - 18:00	0	0	9	1	0	0	0	10	10.0	0	0	28	1	0	0	0	29	29.0
Hourly Total	0	0	52	6	0	0	0	58	58.0	0	0	125	19	1	0	0	145	145.5
18:00 - 18:15	0	0	6	0	0	0	0	6	6.0	0	0	23	2	1	1	0	27	28.8
18:15 - 18:30	0	0	12	0	0	0	0	12	12.0	0	0	20	5	0	0	0	25	25.0
18:30 - 18:45	0	0	10	1	0	0	0	11	11.0	0	0	15	5	0	0	0	20	20.0
18:45 - 19:00	0	0	5	0	0	0	0	5	5.0	0	0	21	4	0	0	0	25	25.0
Hourly Total	0	0	33	1	0	0	0	34	34.0	0	0	79	16	1	1	0	97	98.8

TOTAL	0	1	131	16	0	0	0	148	147.4	0	0	304	45	2	1	0	352	354.3
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PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Tuesday 14th March 2023

Junction: 2

Approach: A495 West

TIME	To A495 (E)									To Canal Way								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	28	16	2	3	3	52	59.9	0	0	3	0	0	0	0	3	3.0
07:15 - 07:30	0	1	29	20	1	4	5	60	70.1	1	0	4	0	1	1	0	7	8.0
07:30 - 07:45	0	0	37	19	4	3	3	66	74.9	0	0	5	0	1	0	0	6	6.5
07:45 - 08:00	0	1	43	13	4	1	4	66	72.7	0	0	5	2	0	1	0	8	9.3
Hourly Total	0	2	137	68	11	11	15	244	277.6	1	0	17	2	2	2	0	24	26.8
08:00 - 08:15	0	0	42	19	7	2	0	70	76.1	0	0	7	0	0	0	0	7	7.0
08:15 - 08:30	0	0	46	9	3	3	0	61	66.4	0	0	6	1	0	0	0	7	7.0
08:30 - 08:45	0	0	77	16	5	3	1	102	109.4	0	0	11	1	0	0	0	12	12.0
08:45 - 09:00	0	0	51	9	3	2	2	67	73.1	0	0	12	3	1	2	0	18	21.1
Hourly Total	0	0	216	53	18	10	3	300	325.0	0	0	36	5	1	2	0	44	47.1
09:00 - 09:15	0	0	36	13	2	2	0	53	56.6	0	0	5	3	0	0	0	8	8.0
09:15 - 09:30	0	1	35	13	5	5	0	59	67.4	0	0	12	1	1	0	0	14	14.5
09:30 - 09:45	0	0	25	14	4	2	0	45	49.6	0	0	11	0	1	0	0	12	12.5
09:45 - 10:00	0	0	22	6	5	1	1	35	39.8	0	0	10	1	1	0	0	12	12.5
Hourly Total	0	1	118	46	16	10	1	192	213.4	0	0	38	5	3	0	0	46	47.5

TOTAL	0	3	471	167	45	31	19	736	816.0	1	0	91	12	6	4	0	114	121.4
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16:00 - 16:15	0	0	60	9	1	4	0	74	79.7	0	0	17	1	0	0	0	18	18.0
16:15 - 16:30	0	1	58	6	3	0	0	68	68.9	0	0	11	2	0	0	0	13	13.0
16:30 - 16:45	0	0	56	11	1	1	2	71	74.8	1	0	12	1	0	0	0	14	13.2
16:45 - 17:00	0	0	59	17	2	3	3	84	91.9	0	0	17	3	0	0	0	20	20.0
Hourly Total	0	1	233	43	7	8	5	297	315.3	1	0	57	7	0	0	0	65	64.2
17:00 - 17:15	0	0	55	8	1	0	1	65	66.5	0	0	17	2	0	0	0	19	19.0
17:15 - 17:30	0	0	50	6	0	0	0	56	56.0	0	0	24	3	0	0	0	27	27.0
17:30 - 17:45	0	0	35	9	1	0	1	46	47.5	0	0	12	0	0	0	0	12	12.0
17:45 - 18:00	0	0	31	7	1	0	0	39	39.5	0	0	14	1	0	0	0	15	15.0
Hourly Total	0	0	171	30	3	0	2	206	209.5	0	0	67	6	0	0	0	73	73.0
18:00 - 18:15	0	0	29	3	1	0	1	34	35.5	0	0	12	1	0	0	0	13	13.0
18:15 - 18:30	0	0	36	4	2	1	0	43	45.3	0	0	9	1	0	0	0	10	10.0
18:30 - 18:45	0	0	22	5	0	0	0	27	27.0	0	0	8	1	0	0	0	9	9.0
18:45 - 19:00	0	0	16	2	1	0	0	19	19.5	0	0	3	1	0	0	0	4	4.0
Hourly Total	0	0	103	14	4	1	1	123	127.3	0	0	32	4	0	0	0	36	36.0

TOTAL	0	1	507	87	14	9	8	626	652.1	1	0	156	17	0	0	0	174	173.2
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PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Saturday 18th March 2023

Junction: 2

Approach: A495 East

TIME	To Canal Way									To A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	32	1	0	0	0	33	33.0	0	0	53	7	2	0	1	63	65.0
10:15 - 10:30	0	0	35	2	0	0	0	37	37.0	0	0	42	4	1	0	0	47	47.5
10:30 - 10:45	0	0	36	5	0	0	0	41	41.0	0	0	30	8	0	0	0	38	38.0
10:45 - 11:00	0	0	29	2	1	0	0	32	32.5	0	0	33	5	1	2	1	42	46.1
Hourly Total	0	0	132	10	1	0	0	143	143.5	0	0	158	24	4	2	2	190	196.6
11:00 - 11:15	0	0	36	3	0	0	0	39	39.0	0	1	37	5	1	0	1	45	45.9
11:15 - 11:30	0	0	33	1	0	0	0	34	34.0	0	0	40	4	0	3	0	47	50.9
11:30 - 11:45	0	0	40	1	0	0	0	41	41.0	0	0	48	6	1	0	1	56	57.5
11:45 - 12:00	0	0	36	3	0	0	0	39	39.0	0	2	51	9	3	2	1	68	71.9
Hourly Total	0	0	145	8	0	0	0	153	153.0	0	3	176	24	5	5	3	216	226.2
12:00 - 12:15	0	0	44	15	0	0	0	59	59.0	1	0	49	11	2	0	1	64	65.2
12:15 - 12:30	0	0	30	5	0	0	0	35	35.0	0	1	48	10	0	1	0	60	60.7
12:30 - 12:45	0	0	29	3	0	0	0	32	32.0	0	0	60	10	0	2	0	72	74.6
12:45 - 13:00	0	0	29	3	0	0	0	32	32.0	0	0	42	10	0	1	0	53	54.3
Hourly Total	0	0	132	26	0	0	0	158	158.0	1	1	199	41	2	4	1	249	254.8
13:00 - 13:15	0	0	26	2	0	0	0	28	28.0	0	0	38	2	0	0	3	43	46.0
13:15 - 13:30	0	0	19	1	0	0	0	20	20.0	0	0	39	4	0	0	0	43	43.0
13:30 - 13:45	0	0	23	3	0	0	0	26	26.0	0	1	38	5	0	0	0	44	43.4
13:45 - 14:00	0	0	32	1	0	0	0	33	33.0	0	1	35	8	0	0	0	44	43.4
Hourly Total	0	0	100	7	0	0	0	107	107.0	0	2	150	19	0	0	3	174	175.8
14:00 - 14:15	0	0	42	0	0	0	0	42	42.0	0	0	37	2	0	0	1	40	41.0
14:15 - 14:30	0	0	27	4	0	0	0	31	31.0	0	0	35	4	1	0	0	40	40.5
14:30 - 14:45	0	0	26	4	0	0	0	30	30.0	0	0	36	5	0	0	0	41	41.0
14:45 - 15:00	0	0	34	3	0	0	0	37	37.0	0	0	32	3	0	0	0	35	35.0
Hourly Total	0	0	129	11	0	0	0	140	140.0	0	0	140	14	1	0	1	156	157.5
15:00 - 15:15	0	1	33	3	1	0	0	38	37.9	0	0	24	4	0	0	0	28	28.0
15:15 - 15:30	0	0	27	3	0	0	0	30	30.0	0	0	22	0	0	0	0	22	22.0
15:30 - 15:45	0	0	29	4	0	0	0	33	33.0	0	0	35	1	0	0	1	37	38.0
15:45 - 16:00	0	0	33	9	0	0	0	42	42.0	0	1	28	6	0	0	0	35	34.4
Hourly Total	0	1	122	19	1	0	0	143	142.9	0	1	109	11	0	0	1	122	122.4
16:00 - 16:15	0	0	14	5	0	0	0	19	19.0	0	0	21	3	0	0	0	24	24.0
16:15 - 16:30	0	0	34	0	0	1	0	35	36.3	0	1	31	3	0	0	1	36	36.4
16:30 - 16:45	0	0	23	10	0	0	0	33	33.0	0	0	37	6	0	0	0	43	43.0
16:45 - 17:00	0	0	32	2	0	0	0	34	34.0	0	0	29	7	1	0	1	38	39.5
Hourly Total	0	0	103	17	0	1	0	121	122.3	0	1	118	19	1	0	2	141	142.9
TOTAL	0	1	863	98	2	1	0	965	966.7	1	8	1050	152	13	11	13	1248	1276.2

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Saturday 18th March 2023

Junction: 2

Approach: Canal Way

TIME	To A495 (W)									To A495 (E)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	12	0	0	0	0	12	12.0	0	0	33	3	0	0	0	36	36.0
10:15 - 10:30	0	0	13	0	0	0	0	13	13.0	0	0	29	3	0	0	0	32	32.0
10:30 - 10:45	0	0	13	1	0	0	0	14	14.0	0	0	43	1	0	0	0	44	44.0
10:45 - 11:00	0	0	14	2	0	0	0	16	16.0	0	0	35	2	0	0	0	37	37.0
Hourly Total	0	0	52	3	0	0	0	55	55.0	0	0	140	9	0	0	0	149	149.0
11:00 - 11:15	0	0	13	2	1	0	0	16	16.5	0	0	37	1	0	0	0	38	38.0
11:15 - 11:30	0	0	20	1	0	0	0	21	21.0	0	0	31	2	0	0	0	33	33.0
11:30 - 11:45	0	0	17	1	0	0	0	18	18.0	0	0	31	0	0	0	0	31	31.0
11:45 - 12:00	0	0	9	0	0	0	0	9	9.0	0	0	44	2	0	0	0	46	46.0
Hourly Total	0	0	59	4	1	0	0	64	64.5	0	0	143	5	0	0	0	148	148.0
12:00 - 12:15	0	0	11	0	0	0	0	11	11.0	0	0	45	1	1	1	0	48	49.8
12:15 - 12:30	0	0	19	2	0	0	0	21	21.0	0	0	46	3	0	0	0	49	49.0
12:30 - 12:45	0	0	10	3	0	0	0	13	13.0	0	0	43	7	0	0	0	50	50.0
12:45 - 13:00	0	0	16	5	0	0	0	21	21.0	0	0	51	3	0	0	0	54	54.0
Hourly Total	0	0	56	10	0	0	0	66	66.0	0	0	185	14	1	1	0	201	202.8
13:00 - 13:15	0	0	6	2	0	0	0	8	8.0	0	0	29	7	0	0	0	36	36.0
13:15 - 13:30	0	0	11	1	0	0	0	12	12.0	0	0	38	2	0	0	0	40	40.0
13:30 - 13:45	0	0	12	0	0	0	0	12	12.0	0	0	36	1	0	0	0	37	37.0
13:45 - 14:00	1	0	4	3	0	0	0	8	7.2	0	0	29	1	0	0	0	30	30.0
Hourly Total	1	0	33	6	0	0	0	40	39.2	0	0	132	11	0	0	0	143	143.0
14:00 - 14:15	0	0	10	0	0	0	0	10	10.0	0	0	33	0	0	0	0	33	33.0
14:15 - 14:30	0	0	11	2	0	0	0	13	13.0	0	0	36	3	0	0	0	39	39.0
14:30 - 14:45	0	0	4	0	0	0	0	4	4.0	0	0	28	2	0	0	0	30	30.0
14:45 - 15:00	0	0	20	4	0	0	0	24	24.0	0	0	25	3	0	0	0	28	28.0
Hourly Total	0	0	45	6	0	0	0	51	51.0	0	0	122	8	0	0	0	130	130.0
15:00 - 15:15	0	0	12	0	0	0	0	12	12.0	0	0	30	3	0	0	0	33	33.0
15:15 - 15:30	0	0	20	1	0	0	0	21	21.0	0	0	30	5	1	0	0	36	36.5
15:30 - 15:45	0	0	14	3	0	0	0	17	17.0	0	1	38	1	0	0	0	40	39.4
15:45 - 16:00	0	0	16	0	0	0	0	16	16.0	0	0	23	3	0	0	0	26	26.0
Hourly Total	0	0	62	4	0	0	0	66	66.0	0	1	121	12	1	0	0	135	134.9
16:00 - 16:15	0	0	8	0	0	0	0	8	8.0	0	0	31	4	0	0	0	35	35.0
16:15 - 16:30	0	0	12	2	0	0	0	14	14.0	0	0	37	5	0	0	0	42	42.0
16:30 - 16:45	0	0	10	1	0	0	0	11	11.0	0	0	18	0	0	0	0	18	18.0
16:45 - 17:00	0	1	11	1	0	0	0	13	12.4	0	0	29	5	0	0	0	34	34.0
Hourly Total	0	1	41	4	0	0	0	46	45.4	0	0	115	14	0	0	0	129	129.0
TOTAL	1	1	348	37	1	0	0	388	387.1	0	1	958	73	2	1	0	1035	1036.7

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Saturday 18th March 2023

Junction: 2

Approach: A495 West

TIME	To A495 (E)									To Canal Way								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	38	8	1	1	0	48	49.8	0	0	12	0	0	0	0	12	12.0
10:15 - 10:30	2	1	29	5	0	0	0	37	34.8	0	0	6	1	0	0	0	7	7.0
10:30 - 10:45	0	0	34	4	0	1	0	39	40.3	0	0	12	0	0	0	0	12	12.0
10:45 - 11:00	0	0	56	3	1	0	1	61	62.5	0	0	18	0	0	0	0	18	18.0
Hourly Total	2	1	157	20	2	2	1	185	187.4	0	0	48	1	0	0	0	49	49.0
11:00 - 11:15	0	0	31	2	2	0	0	35	36.0	0	0	19	2	0	0	0	21	21.0
11:15 - 11:30	0	2	43	2	1	1	1	50	51.6	0	0	21	0	0	1	0	22	23.3
11:30 - 11:45	0	2	43	2	2	1	1	51	53.1	0	0	9	0	0	0	0	9	9.0
11:45 - 12:00	0	0	46	3	2	1	1	53	56.3	0	0	19	5	0	0	0	24	24.0
Hourly Total	0	4	163	9	7	3	3	189	197.0	0	0	68	7	0	1	0	76	77.3
12:00 - 12:15	0	0	42	5	2	0	0	49	50.0	0	0	14	1	1	0	0	16	16.5
12:15 - 12:30	0	0	36	8	1	0	1	46	47.5	0	0	24	0	0	0	0	24	24.0
12:30 - 12:45	0	0	30	4	0	1	0	35	36.3	0	0	19	1	0	0	0	20	20.0
12:45 - 13:00	0	0	37	2	2	0	1	42	44.0	0	0	15	1	0	0	0	16	16.0
Hourly Total	0	0	145	19	5	1	2	172	177.8	0	0	72	3	1	0	0	76	76.5
13:00 - 13:15	0	0	46	8	0	0	0	54	54.0	0	0	11	3	0	0	0	14	14.0
13:15 - 13:30	0	2	36	5	1	1	0	45	45.6	0	0	17	1	0	0	0	18	18.0
13:30 - 13:45	0	0	24	1	0	1	0	26	27.3	0	0	11	1	0	0	0	12	12.0
13:45 - 14:00	0	1	41	3	3	0	1	49	50.9	0	0	8	1	0	0	0	9	9.0
Hourly Total	0	3	147	17	4	2	1	174	177.8	0	0	47	6	0	0	0	53	53.0
14:00 - 14:15	0	0	41	5	1	0	0	47	47.5	0	0	14	1	0	0	0	15	15.0
14:15 - 14:30	0	0	29	4	2	0	0	35	36.0	0	0	4	4	0	0	0	8	8.0
14:30 - 14:45	0	0	44	4	0	1	0	49	50.3	0	0	12	4	0	0	0	16	16.0
14:45 - 15:00	0	1	28	3	1	0	0	33	32.9	0	0	14	0	0	0	0	14	14.0
Hourly Total	0	1	142	16	4	1	0	164	166.7	0	0	44	9	0	0	0	53	53.0
15:00 - 15:15	0	0	23	4	0	1	0	28	29.3	0	0	12	3	0	0	0	15	15.0
15:15 - 15:30	0	0	49	4	0	0	0	53	53.0	0	0	13	0	0	0	0	13	13.0
15:30 - 15:45	0	1	34	5	0	1	0	41	41.7	0	0	14	0	0	0	0	14	14.0
15:45 - 16:00	0	0	28	5	0	0	2	35	37.0	0	0	10	1	0	0	0	11	11.0
Hourly Total	0	1	134	18	0	2	2	157	161.0	0	0	49	4	0	0	0	53	53.0
16:00 - 16:15	0	0	38	5	0	0	0	43	43.0	0	0	12	1	0	0	0	13	13.0
16:15 - 16:30	0	1	43	1	1	1	1	48	50.2	0	0	13	1	0	0	0	14	14.0
16:30 - 16:45	0	0	24	4	0	0	1	29	30.0	0	0	8	0	0	0	0	8	8.0
16:45 - 17:00	0	0	37	3	0	0	0	40	40.0	0	0	10	1	0	0	0	11	11.0
Hourly Total	0	1	142	13	1	1	2	160	163.2	0	0	43	3	0	0	0	46	46.0
TOTAL	2	11	1030	112	23	12	11	1201	1230.9	0	0	371	33	1	1	0	406	407.8

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Tuesday 14th March 2023

Junction: 3

Approach: A495 North

TIME	To Scotland Street									To A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	5	2	1	0	0	8	8.5	0	0	24	9	2	1	0	36	38.3
07:15 - 07:30	0	0	4	2	0	0	0	6	6.0	0	0	34	12	2	5	0	53	60.5
07:30 - 07:45	0	0	3	0	0	0	0	3	3.0	0	0	39	12	2	4	0	57	63.2
07:45 - 08:00	0	0	8	4	1	0	0	13	13.5	0	0	58	16	3	3	0	80	85.4
Hourly Total	0	0	20	8	2	0	0	30	31.0	0	0	155	49	9	13	0	226	247.4
08:00 - 08:15	0	0	7	4	0	0	1	12	13.0	0	0	66	16	2	3	0	87	91.9
08:15 - 08:30	0	0	4	2	0	0	0	6	6.0	2	0	81	15	1	3	1	103	106.8
08:30 - 08:45	0	0	8	3	1	0	0	12	12.5	0	0	73	14	1	4	2	94	101.7
08:45 - 09:00	0	0	9	5	0	0	0	14	14.0	0	0	69	13	2	0	7	91	99.0
Hourly Total	0	0	28	14	1	0	1	44	45.5	2	0	289	58	6	10	10	375	399.4
09:00 - 09:15	0	0	12	1	1	0	0	14	14.5	0	0	40	20	2	3	5	70	79.9
09:15 - 09:30	1	0	4	1	1	0	1	8	8.7	0	1	39	18	2	3	3	66	73.3
09:30 - 09:45	0	0	6	3	0	0	0	9	9.0	0	0	45	5	3	3	2	58	65.4
09:45 - 10:00	0	0	10	0	1	0	1	12	13.5	0	0	35	14	4	4	1	58	66.2
Hourly Total	1	0	32	5	3	0	2	43	45.7	0	1	159	57	11	13	11	252	284.8

TOTAL	1	0	80	27	6	0	3	117	122.2	2	1	603	164	26	36	21	853	931.6
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16:00 - 16:15	0	0	10	2	0	0	0	12	12.0	0	0	50	15	1	0	1	67	68.5
16:15 - 16:30	0	0	14	4	0	0	0	18	18.0	0	1	51	16	0	1	2	71	73.7
16:30 - 16:45	0	0	6	2	0	0	0	8	8.0	0	0	52	17	0	0	2	71	73.0
16:45 - 17:00	0	0	11	1	0	0	0	12	12.0	0	1	52	14	1	3	3	74	80.8
Hourly Total	0	0	41	9	0	0	0	50	50.0	0	2	205	62	2	4	8	283	296.0
17:00 - 17:15	0	0	8	5	0	0	1	14	15.0	0	1	87	16	1	2	1	108	111.5
17:15 - 17:30	0	0	10	4	0	0	0	14	14.0	0	0	74	17	1	0	1	93	94.5
17:30 - 17:45	0	0	13	1	0	0	0	14	14.0	0	0	73	12	0	1	1	87	89.3
17:45 - 18:00	0	0	7	5	0	0	0	12	12.0	0	0	74	13	1	0	2	90	92.5
Hourly Total	0	0	38	15	0	0	1	54	55.0	0	1	308	58	3	3	5	378	387.8
18:00 - 18:15	0	0	10	3	0	0	0	13	13.0	0	1	65	11	2	0	0	79	79.4
18:15 - 18:30	0	0	8	0	0	0	0	8	8.0	0	0	54	9	0	1	4	68	73.3
18:30 - 18:45	0	0	4	0	0	0	1	5	6.0	0	0	43	8	2	2	3	58	64.6
18:45 - 19:00	0	0	7	1	0	0	0	8	8.0	0	0	37	9	0	0	1	47	48.0
Hourly Total	0	0	29	4	0	0	1	34	35.0	0	1	199	37	4	3	8	252	265.3

TOTAL	0	0	108	28	0	0	2	138	140.0	0	4	712	157	9	10	21	913	949.1
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PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
 Tuesday 14th March 2023
 Junction: 3
 Approach: Scotland Street

TIME	To A495 (W)									To A495 (N)									U-Turn								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	3	0	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0.0
07:15 - 07:30	0	0	5	1	0	0	0	6	6.0	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
07:30 - 07:45	0	0	6	0	1	0	0	7	7.5	0	0	0	0	1	0	0	1	1.5	0	0	0	0	0	0	0	0	0.0
07:45 - 08:00	0	0	8	3	0	0	0	11	11.0	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	22	4	1	0	0	27	27.5	0	0	2	0	1	0	0	3	3.5	0	0	0	0	0	0	0	0	0.0
08:00 - 08:15	0	0	7	0	0	0	0	7	7.0	0	0	4	1	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
08:15 - 08:30	0	0	12	3	0	0	0	15	15.0	0	0	6	0	0	0	0	6	6.0	0	0	2	0	0	0	0	2	2.0
08:30 - 08:45	0	0	7	5	0	0	3	15	18.0	0	0	1	2	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
08:45 - 09:00	0	0	8	1	1	0	0	10	10.5	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	34	9	1	0	3	47	50.5	0	0	13	3	0	0	0	16	16.0	0	0	2	0	0	0	0	2	2.0
09:00 - 09:15	0	0	7	2	0	0	0	9	9.0	0	0	2	0	1	0	0	3	3.5	0	0	1	0	0	0	0	1	1.0
09:15 - 09:30	0	0	3	2	1	0	0	6	6.5	0	0	2	0	0	0	0	2	2.0	0	0	1	0	0	0	0	1	1.0
09:30 - 09:45	0	0	4	3	0	0	0	7	7.0	0	0	2	1	0	0	0	3	3.0	0	0	1	0	0	0	0	1	1.0
09:45 - 10:00	0	0	8	0	1	0	0	9	9.5	0	0	1	1	0	0	0	2	2.0	0	0	2	0	0	0	0	2	2.0
Hourly Total	0	0	22	7	2	0	0	31	32.0	0	0	7	2	1	0	0	10	10.5	0	0	5	0	0	0	0	5	5.0
TOTAL	0	0	78	20	4	0	3	105	110.0	0	0	22	5	2	0	0	29	30.0	0	0	7	0	0	0	0	7	7.0
16:00 - 16:15	0	0	11	2	1	0	0	14	14.5	0	0	3	1	0	0	0	4	4.0	0	0	1	0	0	0	0	1	1.0
16:15 - 16:30	0	0	6	5	0	0	0	11	11.0	0	0	2	0	0	0	0	2	2.0	0	0	1	0	0	0	0	1	1.0
16:30 - 16:45	0	0	9	3	0	0	0	12	12.0	0	0	4	0	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0
16:45 - 17:00	0	0	9	3	0	0	0	12	12.0	0	0	2	1	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	35	13	1	0	0	49	49.5	0	0	11	2	0	0	0	13	13.0	0	0	2	0	0	0	0	2	2.0
17:00 - 17:15	0	0	12	3	0	0	1	16	17.0	0	0	3	0	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
17:15 - 17:30	0	0	11	0	0	0	0	11	11.0	0	0	3	0	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
17:30 - 17:45	0	0	7	3	0	0	0	10	10.0	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
17:45 - 18:00	0	0	7	1	0	0	0	8	8.0	0	0	5	0	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	37	7	0	0	1	45	46.0	0	0	13	0	0	0	0	13	13.0	0	0	0	0	0	0	0	0	0.0
18:00 - 18:15	0	0	8	2	0	0	0	10	10.0	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
18:15 - 18:30	0	0	4	1	0	0	0	5	5.0	0	0	5	0	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
18:30 - 18:45	0	0	4	0	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0.0
18:45 - 19:00	0	0	5	1	0	0	0	6	6.0	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	21	4	0	0	0	25	25.0	0	0	8	0	0	0	0	8	8.0	0	0	0	0	0	0	0	0	0.0
TOTAL	0	0	93	24	1	0	1	119	120.5	0	0	32	2	0	0	0	34	34.0	0	0	2	0	0	0	0	2	2.0

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Tuesday 14th March 2023

Junction: 3

Approach: A495 West

TIME	To A495 (N)									To Scotland Street								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	40	17	2	3	1	63	68.9	0	0	2	0	0	0	2	4	6.0
07:15 - 07:30	0	1	42	21	1	4	2	71	78.1	0	0	8	3	0	0	3	14	17.0
07:30 - 07:45	0	0	44	17	3	3	2	69	76.4	0	0	4	4	1	0	1	10	11.5
07:45 - 08:00	0	1	55	17	4	1	3	81	86.7	0	0	5	1	1	0	1	8	9.5
Hourly Total	0	2	181	72	10	11	8	284	310.1	0	0	19	8	2	0	7	36	44.0
08:00 - 08:15	0	0	52	19	6	3	0	80	86.9	0	0	12	1	0	0	0	13	13.0
08:15 - 08:30	0	0	55	10	3	4	0	72	78.7	0	0	10	2	0	0	0	12	12.0
08:30 - 08:45	0	0	80	14	5	3	1	103	110.4	0	0	10	5	0	0	0	15	15.0
08:45 - 09:00	0	0	52	9	2	3	0	66	70.9	0	0	12	2	1	0	2	17	19.5
Hourly Total	0	0	239	52	16	13	1	321	346.9	0	0	44	10	1	0	2	57	59.5
09:00 - 09:15	0	0	38	16	3	2	0	59	63.1	0	0	18	2	0	0	0	20	20.0
09:15 - 09:30	0	1	31	18	5	5	0	60	68.4	0	0	16	0	0	0	0	16	16.0
09:30 - 09:45	0	0	30	14	4	3	0	51	56.9	0	0	5	2	1	0	0	8	8.5
09:45 - 10:00	0	0	24	7	5	1	1	38	42.8	0	0	6	2	0	0	0	8	8.0
Hourly Total	0	1	123	55	17	11	1	208	231.2	0	0	45	6	1	0	0	52	52.5

TOTAL	0	3	543	179	43	35	10	813	888.2	0	0	108	24	4	0	9	145	156.0
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16:00 - 16:15	0	0	71	13	1	4	0	89	94.7	0	0	13	2	0	0	0	15	15.0
16:15 - 16:30	0	1	62	5	2	0	0	70	70.4	0	0	18	2	0	0	0	20	20.0
16:30 - 16:45	0	0	66	12	1	1	1	81	83.8	0	0	15	0	0	0	1	16	17.0
16:45 - 17:00	0	0	64	17	2	3	1	87	92.9	0	0	12	2	0	0	2	16	18.0
Hourly Total	0	1	263	47	6	8	2	327	341.8	0	0	58	6	0	0	3	67	70.0
17:00 - 17:15	0	0	75	13	1	0	1	90	91.5	0	0	8	2	0	0	0	10	10.0
17:15 - 17:30	0	0	61	10	0	0	0	71	71.0	0	0	16	3	0	0	0	19	19.0
17:30 - 17:45	0	0	53	12	1	0	0	66	66.5	0	0	18	1	1	0	1	21	22.5
17:45 - 18:00	0	0	53	5	1	0	0	59	59.5	0	0	6	3	0	0	0	9	9.0
Hourly Total	0	0	242	40	3	0	1	286	288.5	0	0	48	9	1	0	1	59	60.5
18:00 - 18:15	0	0	42	4	2	1	0	49	51.3	0	0	10	1	0	0	1	12	13.0
18:15 - 18:30	0	0	42	6	2	1	0	51	53.3	0	0	11	3	0	0	0	14	14.0
18:30 - 18:45	0	0	32	9	0	0	0	41	41.0	0	0	5	0	0	0	0	5	5.0
18:45 - 19:00	0	0	29	5	1	0	0	35	35.5	0	0	8	1	0	0	0	9	9.0
Hourly Total	0	0	145	24	5	2	0	176	181.1	0	0	34	5	0	0	1	40	41.0

TOTAL	0	1	650	111	14	10	3	789	811.4	0	0	140	20	1	0	5	166	171.5
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PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Saturday 18th March 2023

Junction: 3

Approach: A495 North

TIME	To Scotland Street									To A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	15	2	0	0	0	17	17.0	0	0	70	7	2	0	1	80	82.0
10:15 - 10:30	0	0	14	1	0	0	0	15	15.0	0	0	67	6	1	0	0	74	74.5
10:30 - 10:45	0	0	15	2	1	0	0	18	18.5	0	0	65	9	0	0	0	74	74.0
10:45 - 11:00	0	0	9	1	0	0	0	10	10.0	0	0	59	6	2	2	1	70	74.6
Hourly Total	0	0	53	6	1	0	0	60	60.5	0	0	261	28	5	2	2	298	305.1
11:00 - 11:15	0	0	17	2	0	0	1	20	21.0	0	1	62	7	0	0	1	71	71.4
11:15 - 11:30	0	0	11	1	0	0	0	12	12.0	0	0	61	4	0	3	0	68	71.9
11:30 - 11:45	0	1	19	2	1	0	0	23	22.9	0	0	75	6	1	0	1	83	84.5
11:45 - 12:00	0	0	10	2	0	0	0	12	12.0	0	2	79	9	2	2	1	95	98.4
Hourly Total	0	1	57	7	1	0	1	67	67.9	0	3	277	26	3	5	3	317	326.2
12:00 - 12:15	0	0	9	1	0	0	0	10	10.0	1	0	76	18	2	0	0	97	97.2
12:15 - 12:30	0	0	21	3	0	0	0	24	24.0	0	1	68	12	0	1	0	82	82.7
12:30 - 12:45	0	0	9	3	0	0	1	13	14.0	0	0	72	13	0	2	0	87	89.6
12:45 - 13:00	0	0	6	6	0	0	0	12	12.0	0	0	58	12	0	1	0	71	72.3
Hourly Total	0	0	45	13	0	0	1	59	60.0	1	1	274	55	2	4	0	337	341.8
13:00 - 13:15	0	0	4	1	0	0	0	5	5.0	0	0	53	3	0	0	3	59	62.0
13:15 - 13:30	0	0	7	2	0	0	0	9	9.0	0	0	49	4	0	0	0	53	53.0
13:30 - 13:45	0	0	7	2	0	0	0	9	9.0	0	1	53	8	0	0	0	62	61.4
13:45 - 14:00	0	0	9	1	0	0	0	10	10.0	0	1	57	7	0	0	0	65	64.4
Hourly Total	0	0	27	6	0	0	0	33	33.0	0	2	212	22	0	0	3	239	240.8
14:00 - 14:15	0	0	6	0	0	0	1	7	8.0	0	0	63	2	0	0	1	66	67.0
14:15 - 14:30	0	0	13	0	0	0	0	13	13.0	0	0	55	7	1	0	0	63	63.5
14:30 - 14:45	1	0	13	4	0	0	0	18	17.2	0	0	57	8	0	0	0	65	65.0
14:45 - 15:00	0	0	12	2	0	0	0	14	14.0	0	0	55	4	0	0	0	59	59.0
Hourly Total	1	0	44	6	0	0	1	52	52.2	0	0	230	21	1	0	1	253	254.5
15:00 - 15:15	0	0	7	2	0	0	0	9	9.0	0	1	51	6	1	0	0	59	58.9
15:15 - 15:30	0	0	7	0	0	0	1	8	9.0	0	0	48	3	0	0	0	51	51.0
15:30 - 15:45	0	0	5	0	1	0	0	6	6.5	0	0	55	5	0	0	1	61	62.0
15:45 - 16:00	0	0	7	0	0	0	0	7	7.0	0	1	48	13	0	0	0	62	61.4
Hourly Total	0	0	26	2	1	0	1	30	31.5	0	2	202	27	1	0	1	233	233.3
16:00 - 16:15	0	0	5	1	0	0	0	6	6.0	0	0	48	8	0	0	0	56	56.0
16:15 - 16:30	0	0	5	1	0	0	0	6	6.0	0	1	55	3	0	1	1	61	62.7
16:30 - 16:45	0	0	6	0	0	0	0	6	6.0	0	0	47	9	0	0	0	56	56.0
16:45 - 17:00	0	0	6	1	0	0	0	7	7.0	0	0	52	6	1	0	1	60	61.5
Hourly Total	0	0	22	3	0	0	0	25	25.0	0	1	202	26	1	1	2	233	236.2
TOTAL	1	1	274	43	3	0	4	326	330.1	1	9	1658	205	13	12	12	1910	1937.9

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Saturday 18th March 2023
Junction: 3
Approach: Scotland Street

TIME	To A495 (W)									To A495 (N)									U-Turn								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	9	1	0	0	0	10	10.0	0	0	5	2	0	0	0	7	7.0	0	0	0	0	0	0	0	0	0.0
10:15 - 10:30	0	0	9	0	0	0	0	9	9.0	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
10:30 - 10:45	0	0	13	2	0	0	0	15	15.0	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
10:45 - 11:00	0	0	9	1	0	0	0	10	10.0	0	0	6	2	0	0	0	8	8.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	40	4	0	0	0	44	44.0	0	0	14	4	0	0	0	18	18.0	0	0	0	0	0	0	0	0	0.0
11:00 - 11:15	0	0	11	1	1	0	0	13	13.5	0	0	3	0	0	0	0	3	3.0	0	0	2	0	0	0	0	2	2.0
11:15 - 11:30	0	0	12	1	0	0	0	13	13.0	0	0	3	0	0	0	0	3	3.0	0	0	0	0	0	0	0	0	0.0
11:30 - 11:45	0	0	10	1	0	0	0	11	11.0	0	0	3	2	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
11:45 - 12:00	0	0	8	3	0	0	0	11	11.0	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	41	6	1	0	0	48	48.5	0	0	11	2	0	0	0	13	13.0	0	0	2	0	0	0	0	2	2.0
12:00 - 12:15	0	0	12	5	0	0	1	18	19.0	0	0	3	0	0	0	0	3	3.0	0	0	1	0	0	0	0	1	1.0
12:15 - 12:30	0	0	10	3	0	0	0	13	13.0	0	0	6	0	0	0	0	6	6.0	0	0	0	0	0	0	0	0	0.0
12:30 - 12:45	0	0	7	0	0	0	0	7	7.0	0	0	2	0	0	0	0	2	2.0	0	0	1	0	0	0	0	1	1.0
12:45 - 13:00	0	0	13	1	0	0	0	14	14.0	0	0	1	3	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	42	9	0	0	1	52	53.0	0	0	12	3	0	0	0	15	15.0	0	0	2	0	0	0	0	2	2.0
13:00 - 13:15	0	0	11	1	0	0	0	12	12.0	0	0	3	1	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0
13:15 - 13:30	0	0	8	1	0	0	0	9	9.0	0	0	4	1	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
13:30 - 13:45	0	0	8	0	0	0	0	8	8.0	3	0	2	1	0	0	0	6	3.6	0	0	0	0	0	0	0	0	0.0
13:45 - 14:00	0	0	10	2	0	0	0	12	12.0	0	0	5	1	0	0	0	6	6.0	0	0	1	1	0	0	0	2	2.0
Hourly Total	0	0	37	4	0	0	0	41	41.0	3	0	14	4	0	0	0	21	18.6	0	0	1	1	0	0	0	2	2.0
14:00 - 14:15	0	0	11	0	0	0	0	11	11.0	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
14:15 - 14:30	0	0	7	1	0	0	0	8	8.0	0	0	4	0	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0
14:30 - 14:45	0	0	5	1	0	0	0	6	6.0	0	0	2	0	0	0	0	2	2.0	0	0	1	0	0	0	0	1	1.0
14:45 - 15:00	0	0	11	2	0	0	0	13	13.0	0	0	5	0	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	34	4	0	0	0	38	38.0	0	0	13	0	0	0	0	13	13.0	0	0	1	0	0	0	0	1	1.0
15:00 - 15:15	0	0	6	1	0	0	0	7	7.0	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
15:15 - 15:30	0	0	8	0	0	0	0	8	8.0	0	0	7	1	0	0	0	8	8.0	0	0	0	0	0	0	0	0	0.0
15:30 - 15:45	0	0	9	0	0	0	0	9	9.0	0	0	4	0	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0
15:45 - 16:00	0	0	13	2	0	0	0	15	15.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	36	3	0	0	0	39	39.0	0	0	13	1	0	0	0	14	14.0	0	0	0	0	0	0	0	0	0.0
16:00 - 16:15	0	0	4	0	0	0	0	4	4.0	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0.0
16:15 - 16:30	0	0	10	0	0	0	0	10	10.0	0	0	1	1	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
16:30 - 16:45	0	0	4	0	0	0	0	4	4.0	0	0	1	0	0	0	0	1	1.0	0	0	0	0	0	0	0	0	0.0
16:45 - 17:00	0	0	9	3	0	0	0	12	12.0	0	0	2	0	0	0	0	2	2.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	27	3	0	0	0	30	30.0	0	0	4	1	0	0	0	5	5.0	0	0	0	0	0	0	0	0	0.0
TOTAL	0	0	257	33	1	0	1	292	293.5	3	0	81	15	0	0	0	99	96.6	0	0	6	1	0	0	0	7	7.0

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere

Saturday 18th March 2023

Junction: 3

Approach: A495 West

TIME	To A495 (N)									To Scotland Street								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	56	7	1	1	0	65	66.8	0	0	15	2	0	0	0	17	17.0
10:15 - 10:30	2	1	45	7	0	0	0	55	52.8	0	0	13	1	0	0	0	14	14.0
10:30 - 10:45	0	0	62	4	0	1	0	67	68.3	0	0	15	1	0	0	0	16	16.0
10:45 - 11:00	0	0	65	3	1	0	0	69	69.5	0	0	16	2	0	0	1	19	20.0
Hourly Total	2	1	228	21	2	2	0	256	257.4	0	0	59	6	0	0	1	66	67.0
11:00 - 11:15	0	0	49	3	1	0	0	53	53.5	0	0	19	0	1	0	0	20	20.5
11:15 - 11:30	0	2	60	3	1	1	1	68	69.6	0	0	14	1	0	0	0	15	15.0
11:30 - 11:45	0	2	62	1	2	1	1	69	71.1	0	0	12	1	0	0	0	13	13.0
11:45 - 12:00	0	0	74	3	2	1	0	80	82.3	0	0	14	2	0	0	1	17	18.0
Hourly Total	0	4	245	10	6	3	2	270	276.5	0	0	59	4	1	0	1	65	66.5
12:00 - 12:15	0	0	72	5	3	1	0	81	83.8	0	0	15	1	0	0	0	16	16.0
12:15 - 12:30	0	0	69	7	1	0	0	77	77.5	0	0	13	4	0	0	1	18	19.0
12:30 - 12:45	0	0	58	8	0	1	0	67	68.3	0	0	15	3	0	0	0	18	18.0
12:45 - 13:00	0	0	68	3	2	0	0	73	74.0	0	0	20	2	0	0	1	23	24.0
Hourly Total	0	0	267	23	6	2	0	298	303.6	0	0	63	10	0	0	2	75	77.0
13:00 - 13:15	0	0	65	9	0	0	0	74	74.0	0	0	10	1	0	0	0	11	11.0
13:15 - 13:30	0	2	57	3	1	1	0	64	64.6	0	0	17	4	0	0	0	21	21.0
13:30 - 13:45	0	0	54	2	0	1	0	57	58.3	0	0	10	0	0	0	0	10	10.0
13:45 - 14:00	0	1	57	2	3	0	0	63	63.9	0	0	13	2	0	0	1	16	17.0
Hourly Total	0	3	233	16	4	2	0	258	260.8	0	0	50	7	0	0	1	58	59.0
14:00 - 14:15	0	0	61	5	1	0	0	67	67.5	0	0	13	0	0	0	0	13	13.0
14:15 - 14:30	0	0	56	6	2	0	0	64	65.0	0	0	9	1	0	0	0	10	10.0
14:30 - 14:45	0	0	58	4	0	1	0	63	64.3	0	0	14	2	0	0	0	16	16.0
14:45 - 15:00	0	1	51	5	0	0	0	57	56.4	0	0	8	1	1	0	0	10	10.5
Hourly Total	0	1	226	20	3	1	0	251	253.2	0	0	44	4	1	0	0	49	49.5
15:00 - 15:15	0	0	47	6	0	1	0	54	55.3	0	0	9	1	0	0	0	10	10.0
15:15 - 15:30	0	0	67	7	1	0	0	75	75.5	0	0	12	2	0	0	0	14	14.0
15:30 - 15:45	0	2	58	3	0	1	0	64	64.1	0	0	10	3	0	0	0	13	13.0
15:45 - 16:00	0	0	43	8	0	0	2	53	55.0	0	0	10	0	0	0	0	10	10.0
Hourly Total	0	2	215	24	1	2	2	246	249.9	0	0	41	6	0	0	0	47	47.0
16:00 - 16:15	0	0	60	6	0	0	0	66	66.0	0	0	9	3	0	0	0	12	12.0
16:15 - 16:30	0	1	56	4	1	1	1	64	66.2	0	0	14	2	0	0	0	16	16.0
16:30 - 16:45	0	0	41	4	0	0	0	45	45.0	0	0	11	0	0	0	1	12	13.0
16:45 - 17:00	0	0	58	5	0	0	0	63	63.0	0	0	8	1	0	0	0	9	9.0
Hourly Total	0	1	215	19	1	1	1	238	240.2	0	0	42	6	0	0	1	49	50.0
TOTAL	2	12	1629	133	23	13	5	1817	1841.6	0	0	358	43	2	0	6	409	416.0

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
 Tuesday 14th March 2023
 Junction: 4
 Approach: Grange Road

TIME	Left to A495 (E)									Ahead to Cross Street									Right to A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	11	4	0	0	0	15	15.0	0	0	0	0	0	0	0	0	0.0	0	0	6	2	0	0	0	8	8.0
07:15 - 07:30	0	0	13	5	0	3	0	21	24.9	0	0	0	0	0	0	0	0	0.0	0	0	7	1	0	0	0	8	8.0
07:30 - 07:45	0	0	18	6	1	0	1	26	27.5	0	0	0	0	0	0	0	0	0.0	0	0	12	2	0	0	0	14	14.0
07:45 - 08:00	0	0	29	5	2	1	0	37	39.3	0	0	0	0	0	0	0	0	0.0	0	0	19	3	1	0	0	23	23.5
Hourly Total	0	0	71	20	3	4	1	99	106.7	0	0	0	0	0	0	0	0	0.0	0	0	44	8	1	0	0	53	53.5
08:00 - 08:15	0	0	43	2	1	0	0	46	46.5	0	0	0	0	0	0	0	0	0.0	0	0	18	3	0	0	0	21	21.0
08:15 - 08:30	0	0	39	9	2	1	1	52	55.3	0	0	0	0	0	0	0	0	0.0	0	1	34	6	0	0	1	42	42.4
08:30 - 08:45	0	0	19	1	0	1	1	22	24.3	0	0	0	0	0	0	0	0	0.0	0	0	20	6	1	1	0	28	29.8
08:45 - 09:00	0	0	14	3	1	0	0	18	18.5	0	0	0	0	0	0	0	0	0.0	0	0	10	2	1	0	0	13	13.5
Hourly Total	0	0	115	15	4	2	2	138	144.6	0	0	0	0	0	0	0	0	0.0	0	1	82	17	2	1	1	104	106.7
09:00 - 09:15	0	0	13	2	1	1	1	18	20.8	0	0	0	0	0	0	0	0	0.0	0	0	7	2	1	0	1	11	12.5
09:15 - 09:30	0	0	11	9	0	0	0	20	20.0	0	0	0	0	0	0	0	0	0.0	0	1	9	5	1	0	0	16	15.9
09:30 - 09:45	0	0	16	2	1	0	0	19	19.5	0	0	0	0	0	0	0	0	0.0	0	0	9	1	0	1	0	11	12.3
09:45 - 10:00	0	0	12	5	2	1	0	20	22.3	0	0	0	0	0	0	0	0	0.0	0	0	5	2	0	0	0	7	7.0
Hourly Total	0	0	52	18	4	2	1	77	82.6	0	0	0	0	0	0	0	0	0.0	0	1	30	10	2	1	1	45	47.7
TOTAL	0	0	238	53	11	8	4	314	333.9	0	0	0	0	0	0	0	0	0.0	0	2	156	35	5	2	2	202	207.9
16:00 - 16:15	0	0	28	6	0	0	0	34	34.0	0	0	0	0	0	0	0	0	0.0	0	0	13	3	0	0	0	16	16.0
16:15 - 16:30	0	0	22	5	1	0	0	28	28.5	0	0	0	0	0	0	0	0	0.0	0	2	8	5	0	1	0	16	16.1
16:30 - 16:45	0	0	17	5	0	2	0	24	26.6	0	0	0	0	0	0	0	0	0.0	0	0	20	6	0	0	0	26	26.0
16:45 - 17:00	0	0	20	3	1	0	0	24	24.5	0	0	0	0	0	0	0	0	0.0	0	0	21	3	0	0	1	25	26.0
Hourly Total	0	0	87	19	2	2	0	110	113.6	0	0	0	0	0	0	0	0	0.0	0	2	62	17	0	1	1	83	84.1
17:00 - 17:15	1	0	50	3	0	0	0	54	53.2	0	0	0	0	0	0	0	0	0.0	0	0	59	3	0	1	0	63	64.3
17:15 - 17:30	0	0	31	2	0	0	0	33	33.0	0	0	0	0	0	0	0	0	0.0	0	0	19	2	0	0	0	21	21.0
17:30 - 17:45	0	0	22	0	0	1	0	23	24.3	0	0	0	0	0	0	0	0	0.0	0	0	17	4	0	0	0	21	21.0
17:45 - 18:00	0	0	17	3	0	0	0	20	20.0	0	0	0	0	0	0	0	0	0.0	0	0	25	3	1	0	0	29	29.5
Hourly Total	1	0	120	8	0	1	0	130	130.5	0	0	0	0	0	0	0	0	0.0	0	0	120	12	1	1	0	134	135.8
18:00 - 18:15	0	0	20	2	0	0	0	22	22.0	0	0	0	0	0	0	0	0	0.0	0	0	15	3	0	0	1	19	20.0
18:15 - 18:30	0	0	16	1	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0	0	0	14	2	0	0	0	16	16.0
18:30 - 18:45	0	0	16	1	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0	0	0	9	2	0	0	0	11	11.0
18:45 - 19:00	0	0	8	2	0	0	0	10	10.0	0	0	0	0	0	0	0	0	0.0	0	0	11	1	0	0	0	12	12.0
Hourly Total	0	0	60	6	0	0	0	66	66.0	0	0	0	0	0	0	0	0	0.0	0	0	49	8	0	0	1	58	59.0
TOTAL	1	0	267	33	2	3	0	306	310.1	0	0	0	0	0	0	0	0	0.0	0	2	231	37	1	2	2	275	278.9

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Tuesday 14th March 2023
Junction: 4
Approach: A495 East

TIME	Left to Cross Street										Ahead to A495 (W)										Right to Grange Road										U-Turn									
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs				
07:00 - 07:15	0	0	0	0	0	0	0	0	0.0	0	0	0	25	11	2	3	0	41	45.9	0	0	9	0	1	1	0	11	12.8	0	0	0	0	0	0	0	0	0.0			
07:15 - 07:30	0	0	0	0	0	0	0	0	0.0	0	0	33	21	2	4	0	60	66.2	0	0	15	3	0	0	0	18	18.0	0	0	0	0	0	0	0	0	0.0				
07:30 - 07:45	0	0	0	0	0	0	0	0	0.0	0	0	50	15	2	4	0	71	77.2	0	0	15	2	1	0	0	18	18.5	0	0	0	0	0	0	0	0	0.0				
07:45 - 08:00	0	0	0	0	0	0	0	0	0.0	0	1	64	20	6	4	0	95	102.6	0	0	19	6	0	1	0	26	27.3	0	0	0	0	0	0	0	0	0.0				
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	1	172	67	12	15	0	267	291.9	0	0	58	11	2	2	0	73	76.6	0	0	0	0	0	0	0	0	0.0				
08:00 - 08:15	0	0	0	0	0	0	0	0	0.0	0	0	63	17	6	1	0	87	91.3	0	0	17	5	0	1	0	23	24.3	0	0	0	0	0	0	0	0	0.0				
08:15 - 08:30	0	0	0	0	0	0	0	0	0.0	0	0	84	11	2	3	0	100	104.9	0	0	14	6	0	0	0	20	20.0	0	0	0	0	0	0	0	0	0.0				
08:30 - 08:45	0	0	0	0	0	0	0	0	0.0	0	0	63	17	3	1	1	85	88.8	0	0	7	3	1	2	0	13	16.1	0	0	0	0	0	0	0	0	0.0				
08:45 - 09:00	0	0	0	0	0	0	0	0	0.0	0	0	72	22	2	2	4	91	96.6	0	0	9	2	1	1	0	15	14.6	0	0	0	0	0	0	0	0	0.0				
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	0	271	67	13	7	5	363	383.6	0	0	47	16	2	4	0	69	75.2	0	0	0	0	0	0	0	0	0.0				
09:00 - 09:15	0	0	0	0	0	0	0	0	0.0	0	0	45	19	6	1	2	73	79.3	0	0	5	5	1	1	0	12	13.8	0	0	0	0	0	0	0	0	0.0				
09:15 - 09:30	0	0	0	0	0	0	0	0	0.0	0	0	38	20	3	3	1	65	71.4	0	0	10	3	1	1	0	15	16.8	0	0	0	0	0	0	0	0	0.0				
09:30 - 09:45	0	0	0	0	0	0	0	0	0.0	0	1	49	5	5	3	1	64	70.8	0	0	10	1	2	2	0	15	18.6	0	0	0	0	0	0	0	0	0.0				
09:45 - 10:00	0	0	0	0	0	0	0	0	0.0	0	0	36	16	4	4	0	59	64.4	0	0	10	4	0	0	0	15	15.3	0	0	0	0	0	0	0	0	0.0				
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	1	168	59	18	10	5	261	287.4	0	0	35	13	4	5	0	57	65.5	0	0	0	0	0	0	0	0	0.0				
TOTAL	0	0	0	0	0	0	0	0	0.0	0	2	611	193	43	32	10	891	962.9	0	0	140	40	8	11	0	199	217.3	0	0	0	0	0	0	0	0	0.0				
16:00 - 16:15	0	0	0	0	0	0	0	0	0.0	0	0	54	15	2	0	1	72	74.0	0	0	9	5	0	2	0	16	18.6	0	0	1	0	0	0	0	0	1	1.0			
16:15 - 16:30	0	0	0	0	0	0	0	0	0.0	0	1	60	18	1	0	3	83	85.9	0	0	14	3	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0				
16:30 - 16:45	0	0	0	0	0	0	0	0	0.0	0	1	65	18	0	0	2	86	87.4	0	0	16	5	1	2	0	24	27.1	0	0	0	0	0	0	0	0	0.0				
16:45 - 17:00	0	0	0	0	0	0	0	0	0.0	0	0	72	17	1	3	0	93	97.4	0	0	13	3	2	0	0	18	19.0	0	0	0	0	0	0	0	0	0.0				
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	2	251	68	4	3	6	334	344.7	0	0	52	16	3	4	0	75	81.7	0	0	1	0	0	0	0	0	1	1.0			
17:00 - 17:15	0	0	0	0	0	0	0	0	0.0	0	1	78	22	3	1	0	105	107.2	0	0	20	2	0	0	0	22	22.0	0	0	0	0	0	0	0	0	0.0				
17:15 - 17:30	0	0	0	0	0	0	0	0	0.0	0	0	73	20	0	0	1	94	95.0	0	0	19	2	2	1	0	24	26.3	0	0	0	2	0	0	0	2	2.0				
17:30 - 17:45	0	0	0	0	0	0	0	0	0.0	0	0	69	6	0	1	0	76	77.3	0	0	22	7	0	0	0	29	29.0	0	0	0	0	0	0	0	0	0.0				
17:45 - 18:00	0	0	0	0	0	0	0	0	0.0	0	0	60	16	2	0	0	78	79.0	0	0	12	3	0	0	0	15	15.0	0	0	1	0	0	0	0	1	1.0				
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	1	280	64	5	2	1	353	355.5	0	0	73	14	2	1	0	90	92.3	0	0	3	0	0	0	0	3	3.0				
18:00 - 18:15	0	0	0	0	0	0	0	0	0.0	0	0	44	10	1	0	0	55	55.9	0	0	11	2	0	0	0	11	11.0	0	0	0	0	0	0	0	2	2.0				
18:15 - 18:30	0	0	0	0	0	0	0	0	0.0	0	0	38	4	0	1	3	46	50.3	0	0	11	2	0	0	0	13	13.0	0	0	0	0	0	0	0	0	0.0				
18:30 - 18:45	0	0	0	0	0	0	0	0	0.0	0	0	40	7	2	2	0	51	54.6	0	0	4	0	0	0	0	4	4.0	0	0	0	0	0	0	0	1	1.0				
18:45 - 19:00	0	0	0	0	0	0	0	0	0.0	0	0	39	2	0	0	1	42	43.0	0	0	5	1	0	0	0	6	6.0	0	0	0	0	0	0	0	0	0.0				
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	1	161	23	3	3	4	195	203.8	0	0	28	5	0	1	0	34	35.3	0	0	1	0	0	0	0	1	1.0				
TOTAL	0	0	0	0	0	0	0	0	0.0	0	4	692	155	12	8	11	882	907.0	0	0	153	35	5	6	0	199	209.3	0	0	0	5	0	0	0	5	5.0				

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
 Tuesday 14th March 2023
 Junction: 4
 Approach: Cross Street

TIME	Left to A495 (W)									Ahead to Grange Road									Right to A495 (E)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	4	2	0	0	0	6	6.0	0	0	1	1	0	0	0	2	2.0	0	0	11	2	0	0	0	13	13.0
07:15 - 07:30	0	0	7	0	2	0	1	10	12.0	0	0	4	1	0	0	0	5	5.0	0	0	5	4	0	0	3	12	15.0
07:30 - 07:45	0	0	7	1	1	0	3	12	15.5	0	0	4	0	0	0	0	4	4.0	0	0	8	8	0	0	0	16	16.0
07:45 - 08:00	0	0	3	2	2	0	0	7	8.0	0	0	6	3	0	0	0	9	9.0	0	1	7	5	2	0	1	16	17.4
Hourly Total	0	0	21	5	5	0	4	35	41.5	0	0	15	5	0	0	0	20	20.0	0	1	31	19	2	0	4	57	61.4
08:00 - 08:15	0	0	8	1	0	0	0	9	9.0	0	0	14	3	0	0	0	17	17.0	0	0	17	2	1	0	0	20	20.5
08:15 - 08:30	0	1	10	1	1	0	1	14	14.9	0	0	7	4	0	0	0	11	11.0	0	0	20	1	0	0	1	22	23.0
08:30 - 08:45	0	0	7	3	0	0	0	10	10.0	0	0	10	2	0	0	1	13	14.0	0	0	21	3	1	0	0	25	25.5
08:45 - 09:00	0	0	12	6	0	0	1	19	20.0	0	0	3	1	1	0	0	5	5.5	0	0	7	4	0	0	0	11	11.0
Hourly Total	0	1	37	11	1	0	2	52	53.9	0	0	34	10	1	0	1	46	47.5	0	0	65	10	2	0	1	78	80.0
09:00 - 09:15	0	0	12	1	0	0	2	15	17.0	0	0	5	3	1	1	0	10	11.8	0	0	15	3	3	0	0	21	22.5
09:15 - 09:30	0	0	10	3	1	0	1	15	16.5	0	0	8	0	0	0	0	8	8.0	0	0	12	2	1	0	0	15	15.5
09:30 - 09:45	0	0	11	3	1	0	1	16	17.5	0	0	5	2	0	0	0	7	7.0	0	0	12	2	0	0	0	14	14.0
09:45 - 10:00	1	0	13	3	0	0	0	17	16.2	0	0	5	3	0	1	0	9	10.3	1	0	7	0	0	0	1	9	9.2
Hourly Total	1	0	46	10	2	0	4	63	67.2	0	0	23	8	1	2	0	34	37.1	1	0	46	7	4	0	1	59	61.2
TOTAL	1	1	104	26	8	0	10	150	162.6	0	0	72	23	2	2	1	100	104.6	1	1	142	36	8	0	6	194	202.6
16:00 - 16:15	0	0	14	2	0	1	0	17	18.3	0	0	16	3	0	0	0	19	19.0	0	0	19	0	0	0	0	19	19.0
16:15 - 16:30	0	0	18	3	0	0	0	21	21.0	0	0	11	4	0	0	0	15	15.0	0	0	13	2	0	0	0	15	15.0
16:30 - 16:45	0	0	13	3	0	0	0	16	16.0	0	0	13	1	0	0	0	14	14.0	0	0	16	3	0	0	0	19	19.0
16:45 - 17:00	0	0	15	1	0	0	1	17	18.0	0	0	18	2	0	0	0	20	20.0	0	0	9	2	0	0	1	12	13.0
Hourly Total	0	0	60	9	0	1	1	71	73.3	0	0	58	10	0	0	0	68	68.0	0	0	57	7	0	0	1	65	66.0
17:00 - 17:15	0	0	15	6	0	0	2	23	25.0	0	0	16	3	1	0	0	20	20.5	0	0	15	2	0	0	1	18	19.0
17:15 - 17:30	0	0	17	2	0	0	0	19	19.0	0	0	12	3	0	0	0	15	15.0	0	0	28	3	1	0	0	32	32.5
17:30 - 17:45	0	0	14	3	0	0	1	18	19.0	0	0	29	2	1	2	1	35	39.1	0	0	20	5	0	0	3	28	31.0
17:45 - 18:00	0	0	17	1	0	0	0	18	18.0	0	0	10	1	0	0	0	11	11.0	0	0	19	4	0	0	0	23	23.0
Hourly Total	0	0	63	12	0	0	3	78	81.0	0	0	67	9	2	2	1	81	85.6	0	0	82	14	1	0	4	101	105.5
18:00 - 18:15	0	0	7	3	0	0	0	10	10.0	0	0	8	1	0	0	0	9	9.0	0	0	7	2	0	0	1	10	11.0
18:15 - 18:30	0	0	15	2	0	0	0	17	17.0	0	0	6	2	0	0	0	8	8.0	0	0	6	3	0	0	0	9	9.0
18:30 - 18:45	0	0	8	0	0	0	3	11	14.0	0	0	7	0	0	0	0	7	7.0	0	0	4	0	0	0	0	4	4.0
18:45 - 19:00	0	0	7	2	0	0	0	9	9.0	0	0	8	1	0	0	0	9	9.0	0	0	8	0	0	0	0	8	8.0
Hourly Total	0	0	37	7	0	0	3	47	50.0	0	0	29	4	0	0	0	33	33.0	0	0	25	5	0	0	1	31	32.0
TOTAL	0	0	160	28	0	1	7	196	204.3	0	0	154	23	2	2	1	182	186.6	0	0	164	26	1	0	6	197	203.5

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
 Tuesday 14th March 2023
 Junction: 4
 Approach: A495 West

TIME	Left to Grange Road									Ahead to A495 (E)									Right to Cross Street								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	20	5	0	0	0	25	25.0	0	0	46	19	2	2	1	70	74.6	0	0	0	0	0	0	0	0	0.0
07:15 - 07:30	0	1	19	2	0	0	1	23	23.4	0	0	55	22	1	2	1	81	85.1	0	0	0	0	0	0	0	0	0.0
07:30 - 07:45	0	0	22	3	0	0	1	26	27.0	0	0	52	26	6	6	1	91	102.8	0	0	0	0	0	0	0	0	0.0
07:45 - 08:00	0	0	26	3	0	0	0	29	29.0	0	0	59	20	6	1	3	89	96.3	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	1	87	13	0	0	2	103	104.4	0	0	212	87	15	11	6	331	358.8	0	0	0	0	0	0	0	0	0.0
08:00 - 08:15	0	1	20	5	0	0	0	26	25.4	0	1	69	25	7	3	0	105	111.8	0	0	0	0	0	0	0	0	0.0
08:15 - 08:30	0	0	20	5	0	0	0	25	25.0	0	0	74	17	3	3	0	97	102.4	0	0	0	0	0	0	0	0	0.0
08:30 - 08:45	0	0	35	3	0	0	0	38	38.0	0	0	76	16	3	2	1	98	103.1	0	0	0	0	0	0	0	0	0.0
08:45 - 09:00	0	0	17	2	1	0	0	20	20.5	0	0	61	16	1	3	0	81	85.4	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	1	92	15	1	0	0	109	108.9	0	1	280	74	14	11	1	381	402.7	0	0	0	0	0	0	0	0	0.0
09:00 - 09:15	0	0	10	3	1	0	0	14	14.5	0	0	57	15	9	5	0	86	97.0	0	0	0	0	0	0	0	0	0.0
09:15 - 09:30	0	0	9	2	1	0	0	12	12.5	0	1	37	16	7	2	0	63	68.5	0	0	0	0	0	0	0	0	0.0
09:30 - 09:45	0	0	8	4	0	0	0	12	12.0	0	0	32	21	6	4	0	63	71.2	0	0	0	0	0	0	0	0	0.0
09:45 - 10:00	0	0	4	2	0	0	0	6	6.0	0	0	35	17	5	2	0	59	64.1	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	31	11	2	0	0	44	45.0	0	1	161	69	27	13	0	271	300.8	0	0	0	0	0	0	0	0	0.0
TOTAL	0	2	210	39	3	0	2	256	258.3	0	2	653	230	56	35	7	983	1062.3	0	0	0	0	0	0	0	0	0.0
16:00 - 16:15	0	0	18	2	0	0	0	20	20.0	0	1	56	9	1	4	0	71	76.1	0	0	0	0	0	0	0	0	0.0
16:15 - 16:30	0	0	16	2	2	0	0	20	21.0	0	1	67	11	4	1	0	84	86.7	0	0	0	0	0	0	0	0	0.0
16:30 - 16:45	0	0	10	4	0	1	0	15	16.3	0	0	84	13	2	1	1	101	104.3	0	0	0	0	0	0	0	0	0.0
16:45 - 17:00	0	0	13	5	1	0	0	19	19.5	0	0	55	12	0	3	1	71	75.9	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	57	13	3	1	0	74	76.8	0	2	262	45	7	9	2	327	343.0	0	0	0	0	0	0	0	0	0.0
17:00 - 17:15	0	0	23	2	0	0	0	25	25.0	0	0	73	14	1	1	2	91	94.8	0	0	0	0	0	0	0	0	0.0
17:15 - 17:30	0	0	14	1	0	0	0	15	15.0	0	0	74	15	0	0	0	89	89.0	0	0	0	0	0	0	0	0	0.0
17:30 - 17:45	0	0	12	3	0	0	0	15	15.0	1	0	54	13	1	0	0	69	68.7	0	0	0	0	0	0	0	0	0.0
17:45 - 18:00	0	0	23	1	0	0	0	24	24.0	0	0	47	9	1	1	0	58	59.8	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	72	7	0	0	0	79	79.0	1	0	248	51	3	2	2	307	312.3	0	0	0	0	0	0	0	0	0.0
18:00 - 18:15	0	0	12	1	0	0	0	13	13.0	0	0	40	6	1	1	0	48	49.8	0	0	0	0	0	0	0	0	0.0
18:15 - 18:30	0	0	8	1	1	0	0	10	10.5	0	0	36	10	2	1	0	49	51.3	0	0	0	0	0	0	0	0	0.0
18:30 - 18:45	0	0	5	1	0	0	0	6	6.0	0	0	30	7	0	0	0	37	37.0	0	0	0	0	0	0	0	0	0.0
18:45 - 19:00	0	0	12	3	0	0	0	15	15.0	0	0	33	5	1	0	0	39	39.5	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	37	6	1	0	0	44	44.5	0	0	139	28	4	2	0	173	177.6	0	0	0	0	0	0	0	0	0.0
TOTAL	0	0	166	26	4	1	0	197	200.3	1	2	649	124	14	13	4	807	832.9	0	0	0	0	0	0	0	0	0.0

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Saturday 18th March 2023
Junction: 4
Approach: Grange Road

TIME	Left to A495 (E)									Ahead to Cross Street									Right to A495 (W)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	1	0	30	3	0	0	0	34	33.2	0	0	0	0	0	0	0	0	0.0	0	0	23	3	1	0	0	27	27.5
10:15 - 10:30	1	0	10	0	1	0	0	12	11.7	0	0	0	0	0	0	0	0	0.0	0	0	16	2	0	0	0	18	18.0
10:30 - 10:45	0	0	18	4	0	0	0	22	22.0	0	0	0	0	0	0	0	0	0.0	0	0	17	4	0	1	0	22	23.3
10:45 - 11:00	0	0	20	2	0	1	0	23	24.3	0	0	0	0	0	0	0	0	0.0	0	0	12	2	0	0	0	14	14.0
Hourly Total	2	0	78	9	1	1	0	91	91.2	0	0	0	0	0	0	0	0	0.0	0	0	68	11	1	1	0	81	82.8
11:00 - 11:15	2	0	19	1	0	0	0	22	20.4	0	0	0	0	0	0	0	0	0.0	0	0	17	2	0	0	0	19	19.0
11:15 - 11:30	0	0	14	1	3	0	0	18	19.5	0	0	0	0	0	0	0	0	0.0	0	0	14	0	0	0	0	14	14.0
11:30 - 11:45	0	0	23	2	3	1	0	29	31.8	0	0	0	0	0	0	0	0	0.0	0	0	11	2	0	0	0	13	13.0
11:45 - 12:00	0	0	23	5	0	0	0	28	28.0	0	0	0	0	0	0	0	0	0.0	1	0	14	4	1	0	0	20	19.7
Hourly Total	2	0	79	9	6	1	0	97	99.7	0	0	0	0	0	0	0	0	0.0	1	0	56	8	1	0	0	66	65.7
12:00 - 12:15	0	0	16	1	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0	1	0	21	2	2	0	0	26	26.2
12:15 - 12:30	3	0	20	5	0	0	0	28	25.6	0	0	0	0	0	0	0	0	0.0	0	0	17	1	0	0	0	18	18.0
12:30 - 12:45	0	0	23	0	0	0	0	23	23.0	0	0	0	0	0	0	0	0	0.0	0	0	15	0	0	0	0	15	15.0
12:45 - 13:00	0	2	21	1	0	0	1	25	24.8	0	0	0	0	0	0	0	0	0.0	0	0	10	2	0	0	0	12	12.0
Hourly Total	3	2	80	7	0	0	1	93	90.4	0	0	0	0	0	0	0	0	0.0	1	0	63	5	2	0	0	71	71.2
13:00 - 13:15	0	1	16	1	0	0	0	18	17.4	0	0	0	0	0	0	0	0	0.0	0	0	15	1	0	0	0	16	16.0
13:15 - 13:30	0	0	27	5	0	0	0	32	32.0	0	0	0	0	0	0	0	0	0.0	0	0	16	1	0	0	0	17	17.0
13:30 - 13:45	0	0	18	2	0	0	0	20	20.0	0	0	0	0	0	0	0	0	0.0	0	0	9	2	0	0	0	11	11.0
13:45 - 14:00	0	0	23	1	0	0	0	24	24.0	0	0	0	0	0	0	0	0	0.0	0	1	14	0	0	0	0	15	14.4
Hourly Total	0	1	84	9	0	0	0	94	93.4	0	0	0	0	0	0	0	0	0.0	0	1	54	4	0	0	0	59	58.4
14:00 - 14:15	0	0	17	0	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0	0	0	15	0	0	0	0	15	15.0
14:15 - 14:30	0	0	24	3	0	0	0	27	27.0	0	0	0	0	0	0	0	0	0.0	0	0	16	2	0	0	0	18	18.0
14:30 - 14:45	0	0	16	1	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0	0	0	9	0	0	0	0	9	9.0
14:45 - 15:00	0	0	14	0	0	0	0	14	14.0	0	0	0	0	0	0	0	0	0.0	0	0	15	0	1	0	0	16	16.5
Hourly Total	0	0	71	4	0	0	0	75	75.0	0	0	0	0	0	0	0	0	0.0	0	0	55	2	1	0	0	58	58.5
15:00 - 15:15	0	0	9	1	0	0	0	10	10.0	0	0	0	0	0	0	0	0	0.0	0	0	9	3	0	0	0	12	12.0
15:15 - 15:30	0	0	21	2	0	0	0	23	23.0	0	0	0	0	0	0	0	0	0.0	0	0	14	0	0	0	1	15	16.0
15:30 - 15:45	0	0	18	2	1	0	0	21	21.5	0	0	0	0	0	0	0	0	0.0	0	0	11	2	0	0	0	13	13.0
15:45 - 16:00	0	0	22	2	0	0	0	24	24.0	0	0	0	0	0	0	0	0	0.0	0	0	10	0	0	0	0	10	10.0
Hourly Total	0	0	70	7	1	0	0	78	78.5	0	0	0	0	0	0	0	0	0.0	0	0	44	5	0	0	1	50	51.0
16:00 - 16:15	0	0	14	3	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0	0	0	13	1	0	0	0	14	14.0
16:15 - 16:30	0	0	18	2	0	0	0	20	20.0	0	0	0	0	0	0	0	0	0.0	0	0	13	0	0	0	0	13	13.0
16:30 - 16:45	0	0	13	1	0	1	0	15	16.3	0	0	0	0	0	0	0	0	0.0	0	0	12	2	0	0	0	14	14.0
16:45 - 17:00	0	0	20	2	0	0	0	22	22.0	0	0	0	0	0	0	0	0	0.0	0	0	15	2	0	0	0	17	17.0
Hourly Total	0	0	65	8	0	1	0	74	75.3	0	0	0	0	0	0	0	0	0.0	0	0	53	5	0	0	0	58	58.0
TOTAL	7	3	527	53	8	3	1	602	603.5	0	0	0	0	0	0	0	0	0.0	2	1	393	40	5	1	1	443	445.6

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Saturday 18th March 2023
Junction: 4
Approach: A495 East

TIME	Left to Cross Street									Ahead to A495 (W)									Right to Grange Road									U-Turn									
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	
10:00 - 10:15	0	0	0	0	0	0	0	0	0.0	0	0	0	64	7	2	1	0	74	76.3	0	0	12	2	0	1	0	15	16.3	0	0	0	0	0	0	0	0	0.0
10:15 - 10:30	0	0	0	0	0	0	0	0	0.0	0	0	0	44	0	0	0	0	50	50.0	0	0	14	4	0	1	0	19	20.3	0	0	0	0	0	0	0	0	0.0
10:30 - 10:45	0	0	0	0	0	0	0	0	0.0	1	0	46	6	1	0	0	54	53.7	0	0	6	2	0	1	0	9	10.3	0	0	1	0	0	0	0	1	1.0	
10:45 - 11:00	0	0	0	0	0	0	0	0	0.0	0	0	42	11	1	1	1	56	58.8	0	0	12	2	0	0	0	14	14.0	0	0	2	1	0	0	0	3	3.0	
Hourly Total	0	0	0	0	0	0	0	0	0.0	1	0	196	30	4	2	1	224	235.8	0	0	44	10	0	3	0	57	60.9	0	0	3	1	0	0	0	4	4.0	
11:00 - 11:15	0	0	0	0	0	0	0	0	0.0	0	1	41	6	0	1	0	49	49.7	0	0	16	1	0	0	0	17	17.0	0	0	1	0	0	0	0	1	1.0	
11:15 - 11:30	0	0	0	0	0	0	0	0	0.0	1	0	49	6	2	2	0	60	62.8	0	0	15	2	0	0	0	17	17.0	0	0	0	0	0	0	0	0	0.0	
11:30 - 11:45	0	0	0	0	0	0	0	0	0.0	1	1	77	6	2	0	0	87	86.6	0	2	11	4	2	1	0	20	21.1	0	2	1	0	0	0	0	3	1.8	
11:45 - 12:00	0	0	0	0	0	0	0	0	0.0	0	2	57	5	2	2	0	68	70.4	0	0	11	2	0	0	0	13	13.0	0	0	1	0	0	0	0	1	1.0	
Hourly Total	0	0	0	0	0	0	0	0	0.0	2	4	224	23	6	5	0	264	269.5	0	2	53	9	2	1	0	67	68.1	0	2	3	0	0	0	0	5	3.8	
12:00 - 12:15	0	0	0	0	0	0	0	0	0.0	2	0	74	10	0	0	0	86	84.4	0	0	17	1	1	0	0	19	19.5	0	0	5	0	0	0	1	5	5.0	
12:15 - 12:30	0	0	0	0	0	0	0	0	0.0	0	1	63	11	0	1	0	76	76.7	1	2	12	2	0	0	0	17	15.0	0	0	0	0	0	0	0	0	0.0	
12:30 - 12:45	0	0	0	0	0	0	0	0	0.0	0	0	76	7	0	2	0	85	87.6	0	1	11	2	0	0	0	14	13.4	0	0	0	0	0	0	0	0	0.0	
12:45 - 13:00	0	0	0	0	0	0	0	0	0.0	0	0	55	9	0	1	0	65	65.3	1	0	13	1	0	0	0	15	14.2	0	0	1	0	0	0	0	1	1.0	
Hourly Total	0	0	0	0	0	0	0	0	0.0	2	2	268	37	0	4	0	312	315.0	2	3	53	6	1	0	0	65	62.1	0	0	6	0	0	0	0	6	6.0	
13:00 - 13:15	0	0	0	0	0	0	0	0	0.0	1	0	44	7	0	0	0	52	51.2	0	2	11	1	0	0	0	14	12.8	0	0	1	0	0	0	0	1	1.0	
13:15 - 13:30	0	0	0	0	0	0	0	0	0.0	0	0	37	6	0	0	0	43	43.0	0	0	13	0	0	0	0	13	13.0	0	0	2	0	0	0	0	2	2.0	
13:30 - 13:45	0	0	0	0	0	0	0	0	0.0	0	1	38	7	2	0	0	48	48.4	0	0	13	1	0	0	0	14	14.0	0	0	1	0	0	0	0	1	1.0	
13:45 - 14:00	0	0	0	0	0	0	0	0	0.0	0	0	41	9	1	0	0	51	51.5	0	0	14	0	0	0	0	14	14.0	0	0	0	0	0	0	0	2	2.0	
Hourly Total	0	0	0	0	0	0	0	0	0.0	1	1	160	29	3	0	0	194	194.1	0	2	51	2	0	0	0	55	53.8	0	0	6	0	0	0	0	6	6.0	
14:00 - 14:15	0	0	0	0	0	0	0	0	0.0	0	0	52	4	0	0	0	56	56.0	0	1	8	2	1	0	0	12	11.9	0	1	3	1	0	0	0	5	4.4	
14:15 - 14:30	0	0	0	0	0	0	0	0	0.0	0	0	43	4	1	0	0	48	48.5	0	0	13	1	0	0	0	14	14.0	0	0	1	0	0	0	0	1	1.0	
14:30 - 14:45	0	0	0	0	0	0	0	0	0.0	0	0	49	6	1	0	0	56	56.5	0	0	15	1	0	0	0	16	16.0	0	0	3	0	0	0	0	3	3.0	
14:45 - 15:00	0	0	0	0	0	0	0	0	0.0	1	1	45	6	0	0	0	53	51.6	0	0	13	5	0	0	0	18	18.0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	0	0	0	0	0	0	0	0	0.0	1	1	189	20	2	0	0	213	212.6	0	1	49	9	1	0	0	60	59.9	0	1	7	1	0	0	0	9	8.4	
15:00 - 15:15	0	0	0	0	0	0	0	0	0.0	0	0	43	8	0	0	0	51	51.0	0	0	14	3	0	1	0	18	19.3	0	0	0	0	0	0	0	0	0.0	
15:15 - 15:30	0	0	0	0	0	0	0	0	0.0	0	0	36	2	0	0	0	38	36.0	0	0	14	0	0	1	0	15	15.5	0	0	1	0	0	0	0	1	1.0	
15:30 - 15:45	0	0	0	0	0	0	0	0	0.0	0	0	44	6	0	0	0	50	50.0	0	1	11	2	0	0	0	14	13.4	0	0	2	0	0	0	0	2	2.0	
15:45 - 16:00	0	0	0	0	0	0	0	0	0.0	0	1	48	5	1	0	0	55	54.9	0	0	10	1	0	0	0	11	11.0	0	0	0	0	0	0	0	0	0.0	
Hourly Total	0	0	0	0	0	0	0	0	0.0	0	1	171	21	1	0	0	194	193.9	0	1	49	6	1	1	0	58	59.2	0	0	3	0	0	0	0	3	3.0	
16:00 - 16:15	0	0	0	0	0	0	0	0	0.0	0	0	36	4	0	0	0	41	42.3	0	0	10	2	0	0	0	12	12.0	0	0	1	0	0	0	0	1	1.0	
16:15 - 16:30	0	0	0	0	0	0	0	0	0.0	0	0	34	3	0	0	1	39	39.4	0	0	6	0	0	0	0	6	6.0	0	0	0	0	0	0	0	0	0.0	
16:30 - 16:45	0	0	0	0	0	0	0	0	0.0	0	0	45	11	1	0	0	57	57.5	0	0	11	1	0	0	0	12	12.0	0	0	1	0	0	0	0	1	1.0	
16:45 - 17:00	0	0	0	0	0	0	0	0	0.0	1	0	39	4	1	0	0	45	44.7	0	0	10	2	0	0	0	12	12.0	0	0	1	0	0	0	0	1	1.0	
Hourly Total	0	0	0	0	0	0	0	0	0.0	1	1	164	22	2	1	1	182	183.9	0	0	37	5	0	0	0	42	42.0	0	0	3	0	0	0	0	3	3.0	
TOTAL	0	0	0	0	0	0	0	0	0.0	8	9	1362	182	18	12	2	1593	1607.8	2	9	336	47	5	5	0	404	406.0	0	3	31	2	0	0	0	36	34.2	

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
Saturday 18th March 2023
Junction: 4
Approach: Cross Street

TIME	Left to A495 (W)									Ahead to Grange Road									Right to A495 (E)								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	13	1	0	0	1	15	16.0	0	0	3	0	1	0	0	4	4.5	1	0	22	1	0	0	0	24	23.2
10:15 - 10:30	0	0	17	2	0	0	0	19	19.0	0	0	4	1	0	0	0	5	5.0	0	0	21	2	0	0	0	23	23.0
10:30 - 10:45	0	0	22	2	1	0	0	25	25.5	0	0	9	0	0	0	0	9	9.0	0	0	12	5	0	0	0	17	17.0
10:45 - 11:00	0	0	18	0	0	0	0	18	18.0	0	0	3	0	0	0	0	3	3.0	0	0	19	1	0	0	0	20	20.0
Hourly Total	0	0	70	5	1	0	1	77	78.5	0	0	19	1	1	0	0	21	21.5	1	0	74	9	0	0	0	84	83.2
11:00 - 11:15	1	0	14	3	0	0	2	20	21.2	0	0	9	4	0	0	0	13	13.0	0	0	15	2	0	0	0	17	17.0
11:15 - 11:30	0	0	13	3	1	1	0	18	19.8	0	0	6	1	0	0	0	7	7.0	0	0	20	2	2	0	0	24	25.0
11:30 - 11:45	0	0	19	1	1	0	0	21	21.5	0	0	12	1	0	0	0	13	13.0	0	1	16	3	0	0	0	20	19.4
11:45 - 12:00	0	0	13	4	0	0	1	18	19.0	0	0	14	0	0	0	0	14	14.0	0	0	24	3	0	0	0	27	27.0
Hourly Total	1	0	59	11	2	1	3	77	81.5	0	0	41	6	0	0	0	47	47.0	0	1	75	10	2	0	0	88	88.4
12:00 - 12:15	0	0	24	6	0	0	0	30	30.0	0	0	13	0	0	0	0	13	13.0	0	0	28	4	0	0	0	32	32.0
12:15 - 12:30	0	0	18	4	0	0	0	22	22.0	0	0	15	4	0	0	1	20	21.0	0	0	20	3	0	0	0	23	23.0
12:30 - 12:45	0	0	13	5	0	0	1	19	20.0	6	0	8	3	0	0	0	17	12.2	0	0	16	4	0	0	1	21	22.0
12:45 - 13:00	0	0	14	5	0	0	0	19	19.0	0	0	14	1	0	0	0	15	15.0	0	0	24	1	0	0	0	25	25.0
Hourly Total	0	0	69	20	0	0	1	90	91.0	6	0	50	8	0	0	1	65	61.2	0	0	88	12	0	0	1	101	102.0
13:00 - 13:15	0	0	12	3	0	0	2	17	19.0	0	0	6	0	0	0	0	6	6.0	0	0	21	3	0	0	0	24	24.0
13:15 - 13:30	0	0	19	1	0	0	0	20	20.0	0	0	9	0	0	0	0	9	9.0	0	0	9	1	1	0	0	11	11.5
13:30 - 13:45	0	0	17	4	0	0	0	21	21.0	0	0	7	2	0	0	0	9	9.0	0	0	9	2	0	0	0	11	11.0
13:45 - 14:00	0	0	18	2	0	0	0	20	20.0	0	0	8	3	0	0	0	11	11.0	0	0	16	3	0	0	0	19	19.0
Hourly Total	0	0	66	10	0	0	2	78	80.0	0	0	30	5	0	0	0	35	35.0	0	0	55	9	1	0	0	65	65.5
14:00 - 14:15	0	0	16	2	0	0	1	19	20.0	0	0	6	0	0	0	0	6	6.0	0	0	12	2	0	0	1	15	16.0
14:15 - 14:30	0	0	12	2	0	0	1	15	16.0	0	0	7	2	0	0	0	9	9.0	0	0	6	2	0	0	0	8	8.0
14:30 - 14:45	0	0	16	2	0	0	0	18	18.0	0	0	10	1	0	0	0	11	11.0	0	0	10	4	0	0	0	14	14.0
14:45 - 15:00	0	0	10	2	0	0	0	12	12.0	0	0	4	1	1	0	0	6	6.5	0	0	16	3	0	0	0	19	19.0
Hourly Total	0	0	54	8	0	0	2	64	66.0	0	0	27	4	1	0	0	32	32.5	0	0	44	11	0	0	1	56	57.0
15:00 - 15:15	0	1	15	2	1	0	0	19	18.9	0	0	6	1	0	0	0	7	7.0	0	1	9	3	0	0	0	13	12.4
15:15 - 15:30	0	0	5	2	0	0	0	7	7.0	0	0	6	0	0	0	0	6	6.0	0	0	14	5	0	0	0	19	19.0
15:30 - 15:45	0	0	14	1	1	0	1	17	18.5	0	0	9	0	0	0	0	9	9.0	0	0	10	0	0	0	0	10	10.0
15:45 - 16:00	0	0	11	2	0	0	0	13	13.0	0	0	17	0	0	0	0	17	17.0	0	2	12	4	0	0	0	18	16.8
Hourly Total	0	1	45	7	2	0	1	56	57.4	0	0	38	1	0	0	0	39	39.0	0	3	45	12	0	0	0	60	58.2
16:00 - 16:15	0	0	9	2	0	0	0	11	11.0	0	0	8	0	0	0	0	8	8.0	0	0	13	5	0	0	0	18	18.0
16:15 - 16:30	0	0	7	0	0	0	0	7	7.0	0	0	7	1	0	0	0	8	8.0	0	0	9	3	0	0	0	12	12.0
16:30 - 16:45	0	0	10	3	0	0	0	13	13.0	0	0	7	2	0	0	0	9	9.0	0	0	5	0	0	0	0	5	5.0
16:45 - 17:00	0	0	10	2	0	0	1	13	14.0	0	0	4	0	0	0	0	4	4.0	0	2	7	1	0	0	0	10	8.8
Hourly Total	0	0	36	7	0	0	1	44	45.0	0	0	26	3	0	0	0	29	29.0	0	2	34	9	0	0	0	45	43.8
TOTAL	1	1	399	68	5	1	11	486	499.4	6	0	231	28	2	0	1	268	265.2	1	6	415	72	3	0	2	499	498.1

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

Ellesmere
 Saturday 18th March 2023
 Junction: 4
 Approach: A495 West

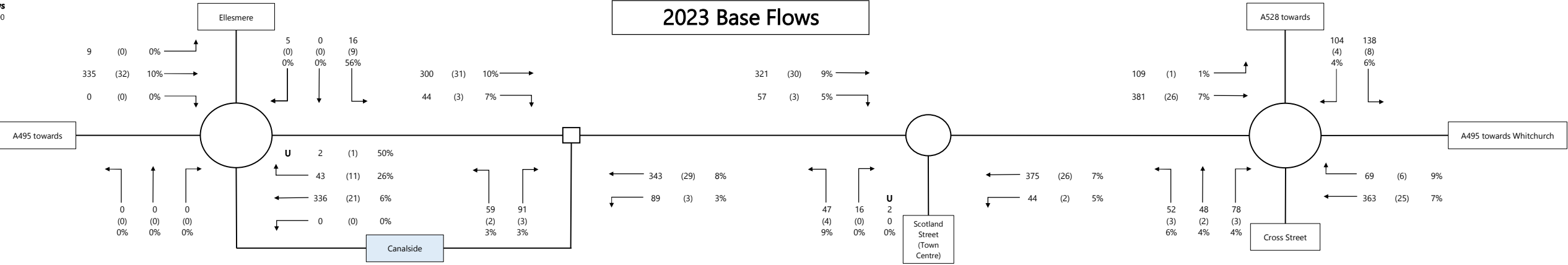
TIME	Left to Grange Road									Ahead to A495 (E)									Right to Cross Street								
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	PCUs
10:00 - 10:15	0	0	17	4	0	0	0	21	21.0	0	0	60	12	1	1	0	74	75.8	0	0	0	0	0	0	0	0	0.0
10:15 - 10:30	0	0	6	3	0	0	0	9	9.0	2	1	43	10	0	0	0	56	53.8	0	0	0	0	0	0	0	0	0.0
10:30 - 10:45	0	0	16	0	0	0	0	16	16.0	0	0	65	10	1	2	0	78	81.1	0	0	0	0	0	0	0	0	0.0
10:45 - 11:00	0	0	16	4	0	0	0	20	20.0	2	0	54	5	1	0	0	62	60.9	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	55	11	0	0	0	66	66.0	4	1	222	37	3	3	0	270	271.6	0	0	0	0	0	0	0	0	0.0
11:00 - 11:15	0	0	15	1	0	0	0	16	16.0	0	1	49	5	2	0	0	57	57.4	0	0	0	0	0	0	0	0	0.0
11:15 - 11:30	0	0	16	3	0	0	0	19	19.0	0	2	63	9	1	1	0	76	76.6	0	0	0	0	0	0	0	0	0.0
11:30 - 11:45	0	0	19	0	2	0	0	21	22.0	1	1	63	4	1	0	1	71	71.1	0	0	0	0	0	0	0	0	0.0
11:45 - 12:00	0	0	13	2	1	0	0	16	16.5	2	0	80	5	0	1	0	88	87.7	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	63	6	3	0	0	72	73.5	3	4	255	23	4	2	1	292	292.8	0	0	0	0	0	0	0	0	0.0
12:00 - 12:15	0	0	20	2	0	0	0	22	22.0	0	0	65	11	1	3	0	80	84.4	0	0	0	0	0	0	0	0	0.0
12:15 - 12:30	0	0	14	3	0	0	0	17	17.0	2	0	69	9	1	1	0	82	82.2	0	0	0	0	0	0	0	0	0.0
12:30 - 12:45	0	0	22	3	0	0	0	25	25.0	0	0	68	7	0	1	0	76	77.3	0	0	0	0	0	0	0	0	0.0
12:45 - 13:00	0	0	23	1	0	0	0	24	24.0	0	0	67	10	2	1	0	80	82.3	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	79	9	0	0	0	88	88.0	2	0	269	37	4	6	0	318	326.2	0	0	0	0	0	0	0	0	0.0
13:00 - 13:15	0	0	14	1	0	0	0	15	15.0	1	0	57	13	1	0	0	72	71.7	0	0	0	0	0	0	0	0	0.0
13:15 - 13:30	0	0	16	4	1	0	0	21	21.5	0	2	43	5	0	1	0	51	51.1	0	0	0	0	0	0	0	0	0.0
13:30 - 13:45	0	0	9	3	0	0	0	12	12.0	4	0	51	0	1	1	0	57	55.6	0	0	0	0	0	0	0	0	0.0
13:45 - 14:00	0	0	10	0	1	0	0	11	11.5	0	0	62	8	0	0	0	70	70.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	49	8	2	0	0	59	60.0	5	2	213	26	2	2	0	250	248.4	0	0	0	0	0	0	0	0	0.0
14:00 - 14:15	0	0	18	1	2	0	0	21	22.0	0	1	51	9	0	1	0	62	62.7	0	0	0	0	0	0	0	0	0.0
14:15 - 14:30	0	0	7	4	0	0	0	11	11.0	1	0	59	4	1	1	0	66	67.0	0	0	0	0	0	0	0	0	0.0
14:30 - 14:45	0	0	15	1	0	0	0	16	16.0	0	2	63	9	0	1	0	75	75.1	0	0	0	0	0	0	0	0	0.0
14:45 - 15:00	0	0	12	0	0	0	0	12	12.0	0	1	48	9	0	0	0	58	57.4	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	52	6	2	0	0	60	61.0	1	4	221	31	1	3	0	261	262.2	0	0	0	0	0	0	0	0	0.0
15:00 - 15:15	0	0	14	3	0	0	0	17	17.0	0	0	39	8	0	1	0	48	49.3	0	0	0	0	0	0	0	0	0.0
15:15 - 15:30	0	0	11	2	0	0	0	13	13.0	0	0	67	5	1	0	0	73	73.5	0	0	0	0	0	0	0	0	0.0
15:30 - 15:45	0	0	14	1	0	0	0	15	15.0	0	3	53	3	0	1	0	60	59.5	0	0	0	0	0	0	0	0	0.0
15:45 - 16:00	1	0	13	3	0	0	0	17	16.2	0	0	40	8	0	0	1	49	50.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	1	0	52	9	0	0	0	62	61.2	0	3	199	24	1	2	1	230	232.3	0	0	0	0	0	0	0	0	0.0
16:00 - 16:15	0	0	13	0	0	0	0	13	13.0	0	0	59	11	0	0	1	71	72.0	0	0	0	0	0	0	0	0	0.0
16:15 - 16:30	0	0	11	1	0	0	0	12	12.0	0	0	43	6	0	1	0	50	51.3	0	0	0	0	0	0	0	0	0.0
16:30 - 16:45	0	0	10	1	0	0	0	11	11.0	0	2	46	6	0	0	1	55	54.8	0	0	0	0	0	0	0	0	0.0
16:45 - 17:00	0	0	10	2	0	0	0	12	12.0	0	0	43	7	0	0	0	50	50.0	0	0	0	0	0	0	0	0	0.0
Hourly Total	0	0	44	4	0	0	0	48	48.0	0	2	191	30	0	1	2	226	228.1	0	0	0	0	0	0	0	0	0.0
TOTAL	1	0	394	53	7	0	0	455	457.7	15	16	1570	208	15	19	4	1847	1861.6	0	0	0	0	0	0	0	0	0.0

PCU Factors:	
CYCLE	0.2
M/CYCLE	0.4
CAR	1.0
LGV	1.0
OGV1	1.5
OGV2	2.3
BUS	2.0

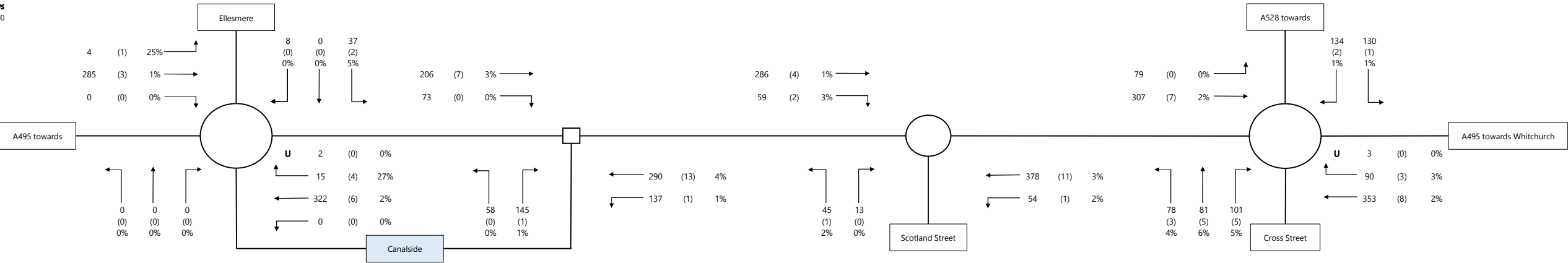
Appendix 5

2023 Base Flows Diagrams

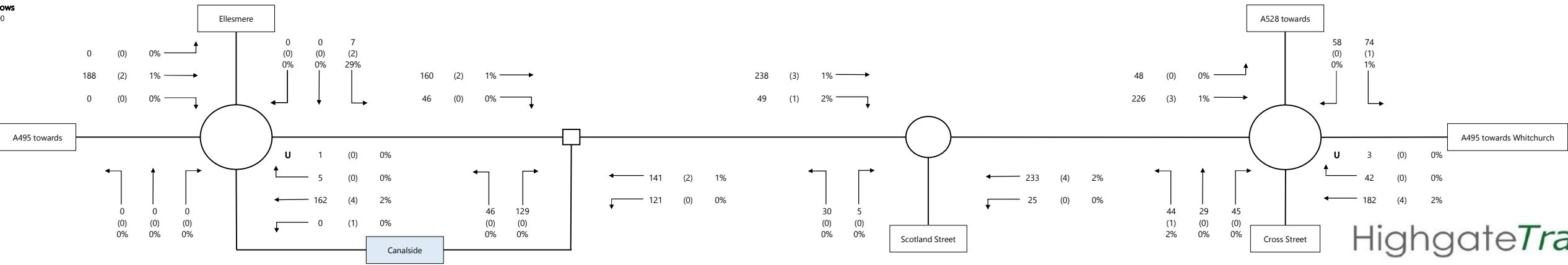
AM Flows
0800-0900



PM Flows
1700-1800

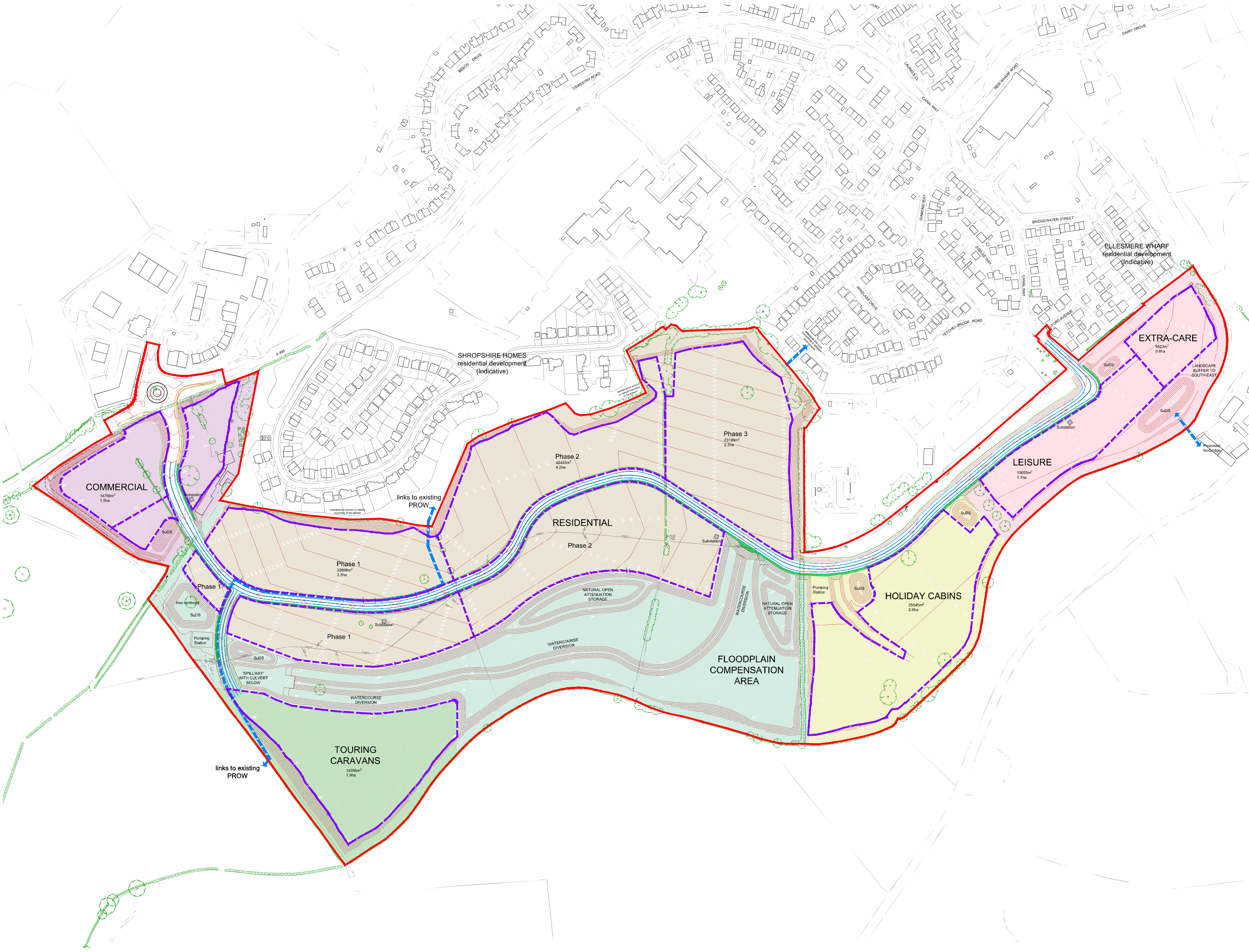


Saturday Flows
1600-1700



Appendix 6

Architect's Indicative Masterplan



This line should measure 80mm when printed correctly
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Responsibility is not accepted for errors made by others in scaling from this drawing. Use only figured dimensions and report any discrepancies or omissions to the Architect immediately.

Rev	Date	By	CHK	Description
P	17.03.23	EP	CW	Layout Information
Q	31.03.23	EP	CW	Indicative layout illustrated
R	06.04.23	EP	CW	Substations added
S	11.04.23	ML	EP	Substations relocated



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mail@robertslimbrick.com
robertslimbrick.com
Registered Office: England No. 08038525
Project Name
Ellesmere Canalside Development

Client Name
Burbury Investments

Drawing Title
Indicative Masterplan

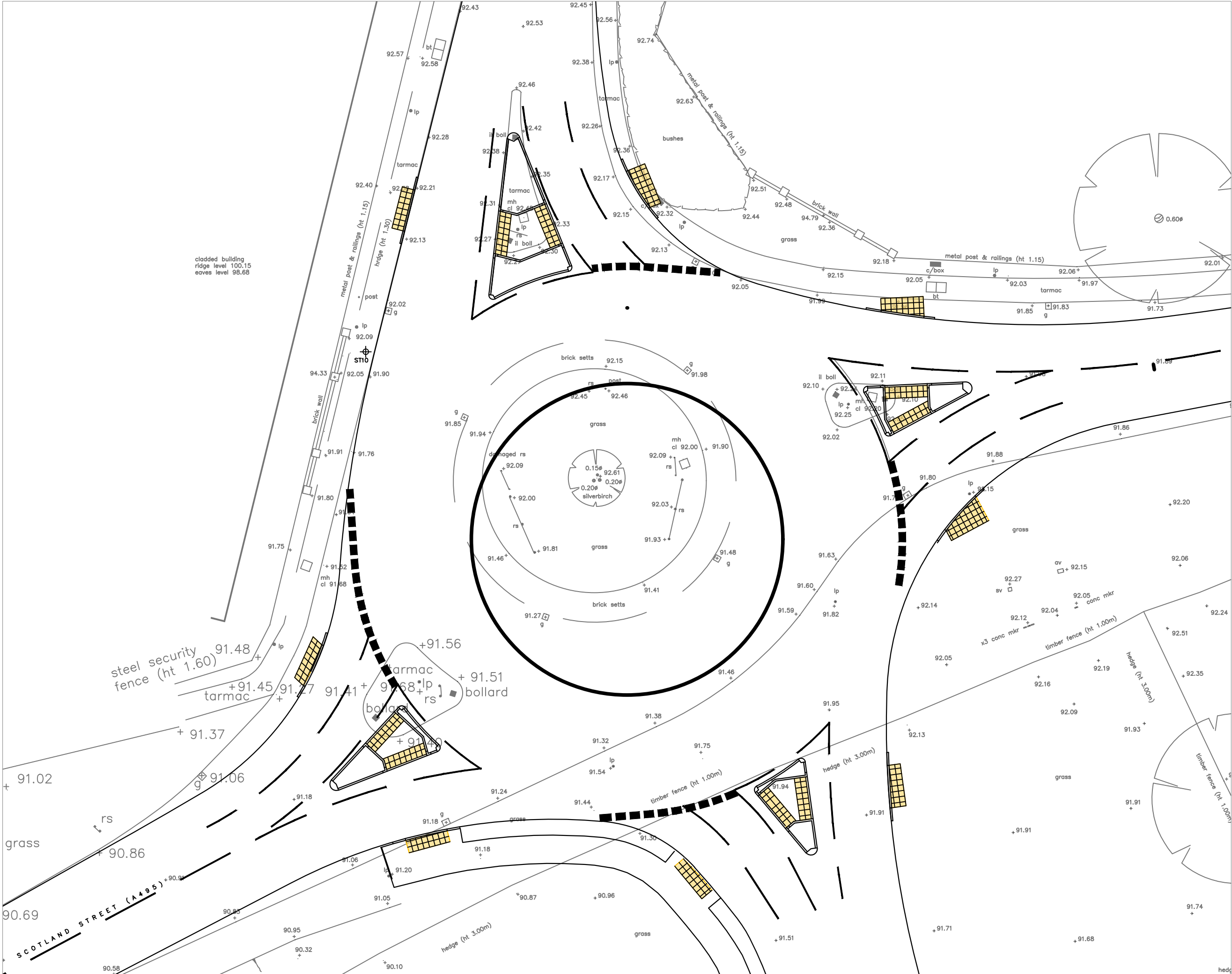
Scale
1:1250 @ A0
Project No.
5614

Status
S0
Purpose Of Issue
Work In Progress

Project	Org	Vol	Level	Form	Role
5614	RL	XX	00	DR	A
Number	Revision				
PL500					S

Appendix 7

Modified Ellesmere Business Park Roundabout



NOTES:
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Refer to SGI Consulting layout for detailed design.



-	-	--	---
ISSUE	REASON FOR REVISION	BY	DATE

PROJECT:

CANALSIDE
ELLSEMERE

CLIENT:

FORMAL
INVESTMENTS

PROJECT REF: DRAWING NUMBER: SCALE (AT A3):

2314 05 1:250

SHEET NUMBER:

SHEET NUMBER 1 OF 1

SCALE BAR:

0m 5m 10m

Highgate *Transportation*

www.highgatetransportation.co.uk

First Floor, 43-45 Park Street
Bristol BS1 5NL
01179 349 121

© Highgate Transportation Limited

TITLE:

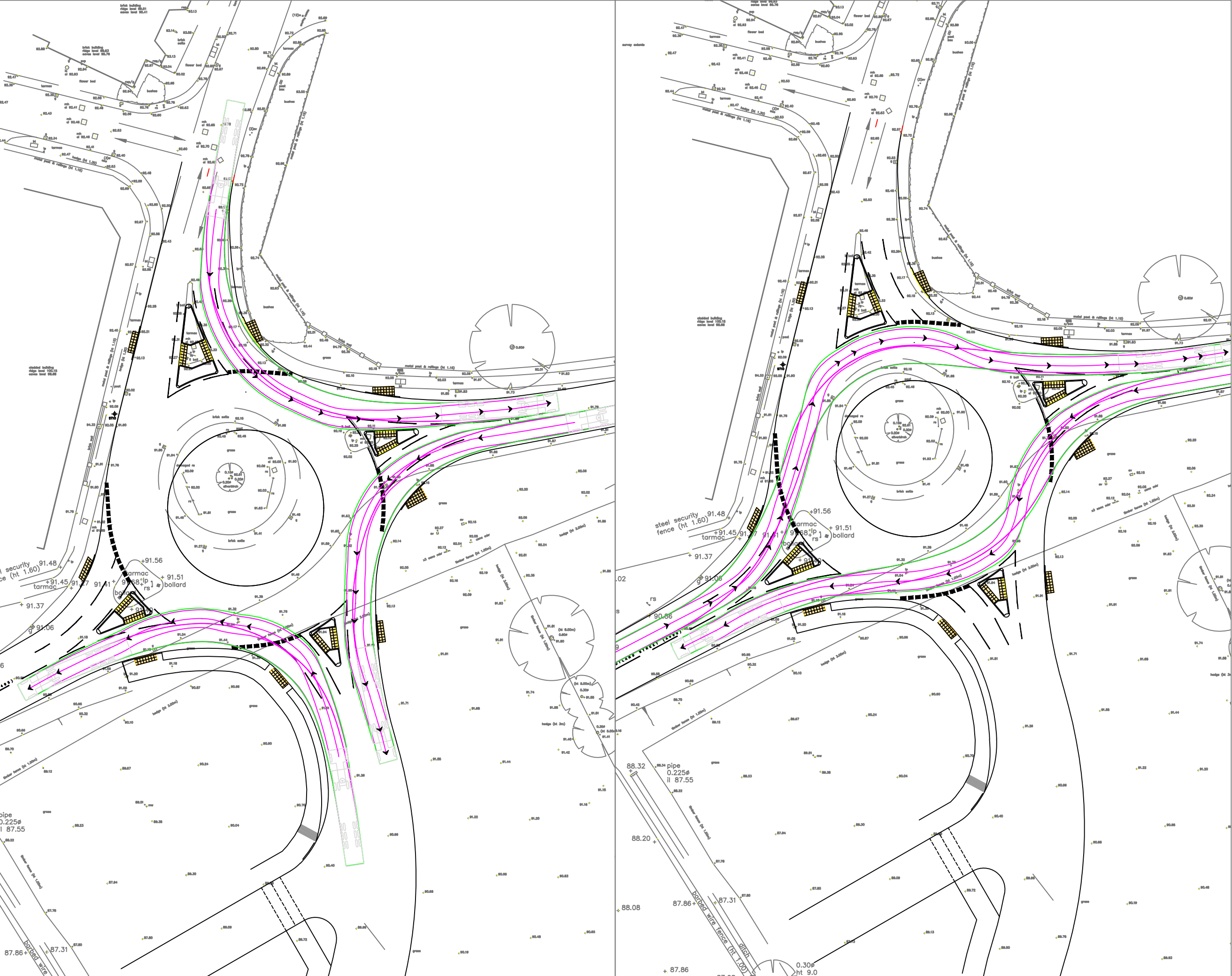
PROPOSED MODIFICATIONS TO
A495 ROUNDABOUT

DATE: DRAWN BY: CHECKED:

21.07.2023 FB DB

Appendix 8

Swept Path Analysis at Business Park Roundabout



NOTES:

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Refer to SGI Consulting layout for detailed design.

ISSUE	REASON FOR REVISION	BY	DATE

GUIDELINE Semi-Trailer

Tractor Width	: 2.55	Lock to Lock Time	: 6.0
Trailer Width	: 2.55	Steering Angle	: 22.1
Tractor Track	: 2.55	Articulating Angle	: 70.0
Trailer Track	: 2.55		

PROJECT:

CANALSIDE
ELLSMERE

CLIENT:

FORMAL
INVESTMENTS

PROJECT REF:	DRAWING NUMBER:	SCALE (AT A3):
2314	TR02	1:500

SHEET NUMBER:

SHEET NUMBER 1 OF 2

SCALE BAR:

0m 5m 10m 15m

Highgate *Transportation*

www.highgatetransportation.co.uk

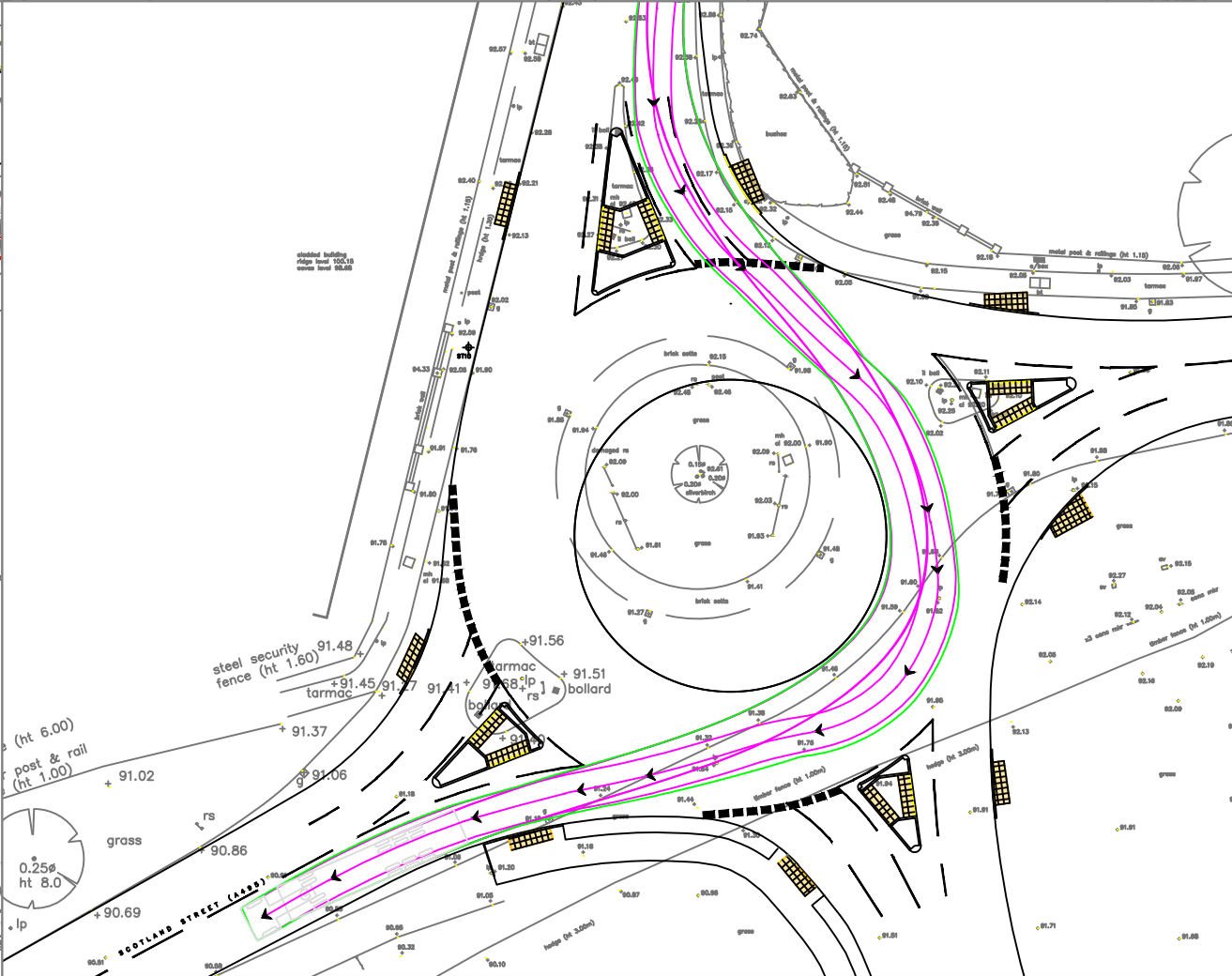
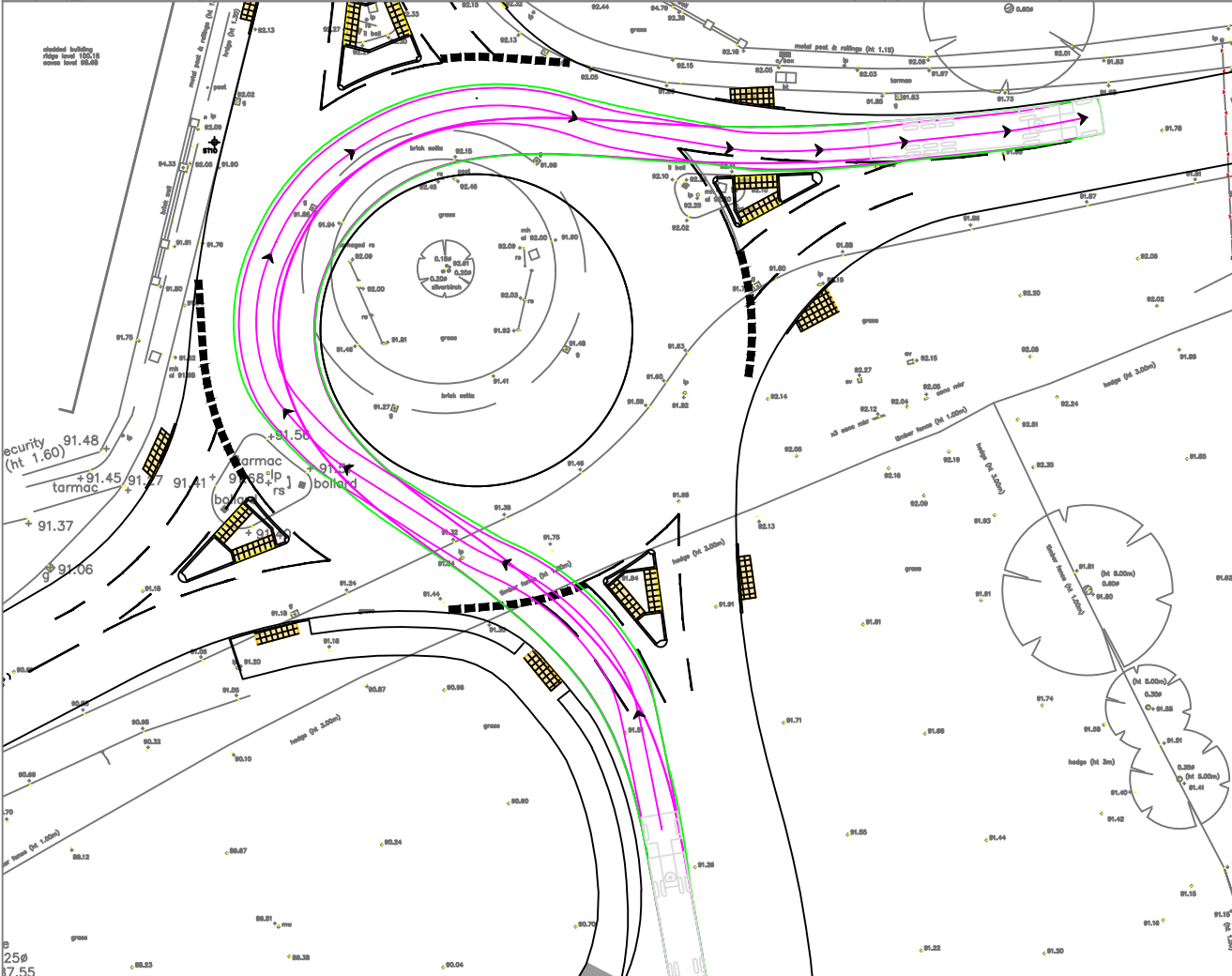
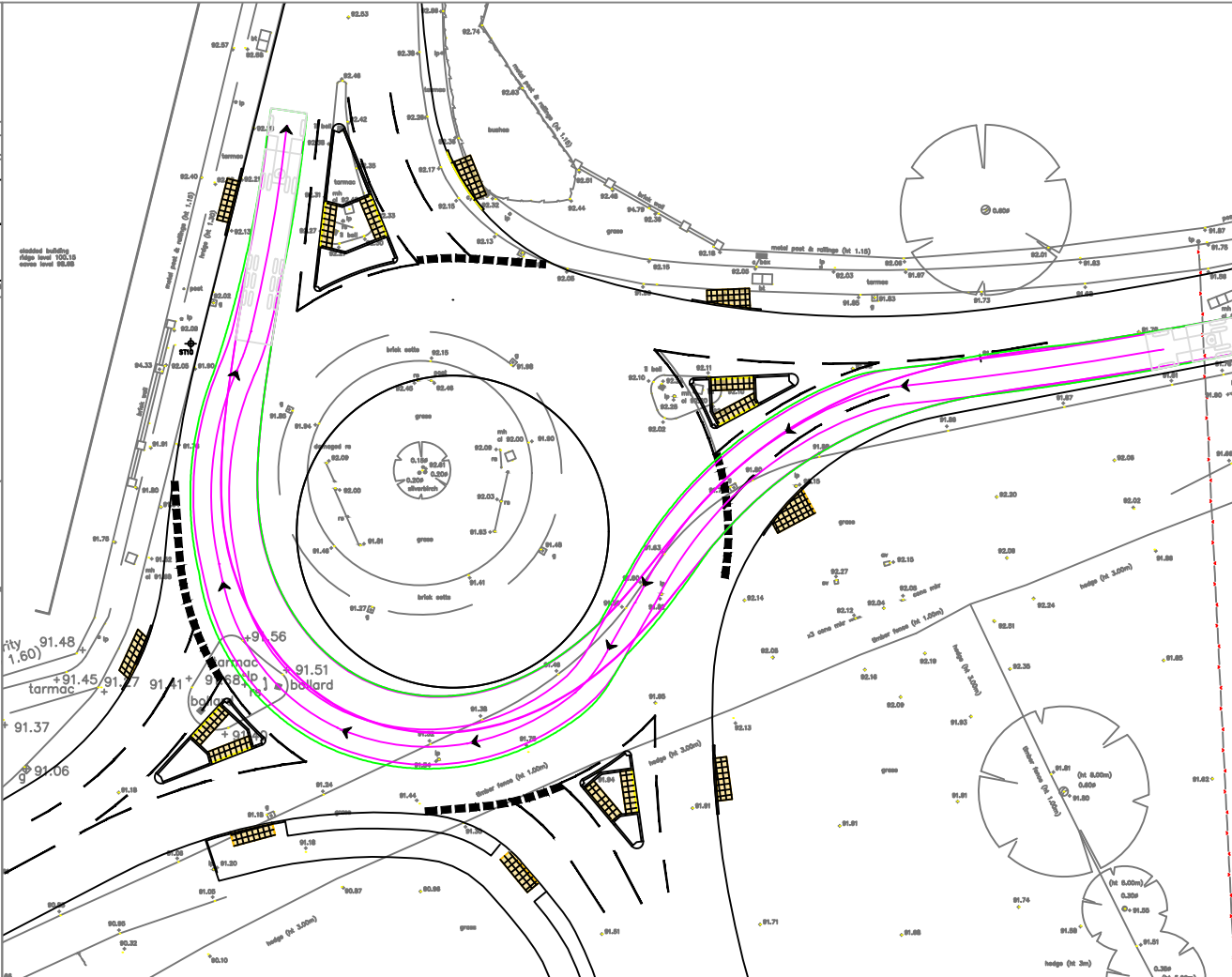
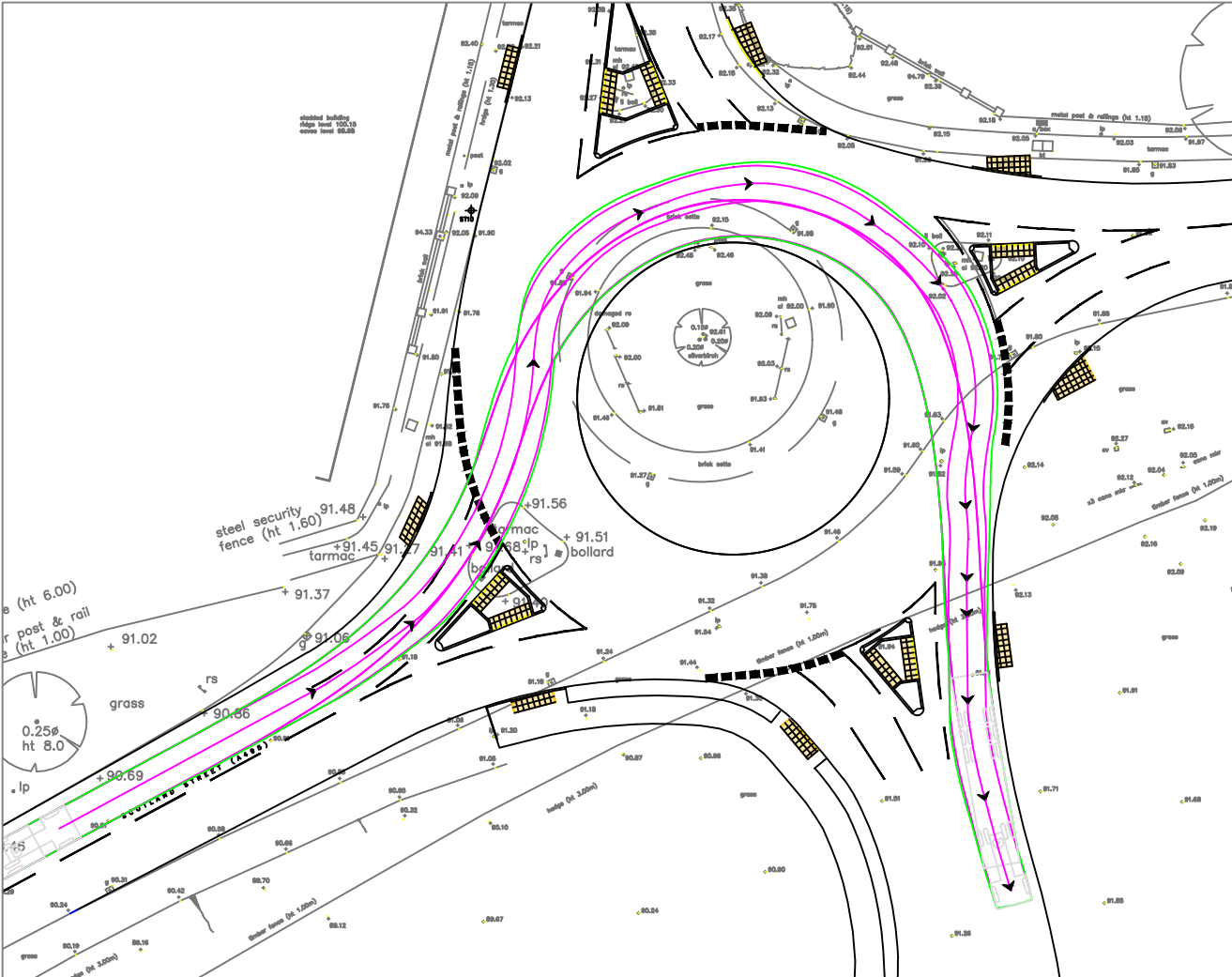
First Floor, 43-45 Park Street
Bristol BS1 5NL
01179 349 121

© Highgate Transportation Limited

TITLE:

SWEPT PATH ANALYSIS
16.5m HGV AT ROUNDABOUT

DATE:	DRAWN BY:	CHECKED:
21.07.2023	DB	FB

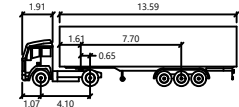


NOTES:
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Refer to SGI Consulting layout for detailed design.



ISSUE	REASON FOR REVISION	BY	DATE



GUIDELINE Semi-Trailer

Tractor Width	2.55	Lock to Lock Time	6.0
Trailer Width	2.55	Steering Angle	22.1
Tractor Track	2.55	Articulating Angle	70.0
Trailer Track	2.55		

PROJECT:
**CANALSIDE
ELLSMERE**

CLIENT:
**FORMAL
INVESTMENTS**

PROJECT REF:	DRAWING NUMBER:	SCALE (AT A3):
2314	TR02	1:500

SHEET NUMBER:
SHEET NUMBER 2 OF 2

SCALE BAR:
0m 5m 10m 15m

Highgate Transportation
www.highgatetransportation.co.uk
First Floor, 43-45 Park Street
Bristol BS1 5NL
01179 349 121
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TITLE:
**SWEPT PATH ANALYSIS
16.5m HGV AT ROUNDABOUT**

DATE:	DRAWN BY:	CHECKED:
21.07.2023	DB	FB

Appendix 9

Interface with Canal Way

