



Proposed Solar Farm
St Asaph, Denbighshire

Transport Statement

For

Anesco Ltd.

Document Control Sheet

Proposed Solar Farm
St Asaph, Denbighshire
Anesco Ltd.

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I	Visibility Splay Calculation - Southern Access
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Executive Summary

This Transport Statement (TS) reviews the existing highway network in the vicinity of the Development, the route construction vehicles will use to reach the Site as well as the volume of traffic generated during the construction, operation and decommissioning stages.

The Site will be accessed via two existing accesses off the track to Tyn Y Coed, one on the eastern side and one on the western side of the road. Both accesses are suitable of accommodating construction vehicles up to a length of 16.5m (the southern access needs a small amount of widening) and can achieve visibility in accordance with the recorded speed of traffic.

No PIC's were identified within the PIC Study Area which is the length of the track to Tyn Y Coed from the southern site access to the B5381.

Construction vehicles will turn off the A55 onto the A525 and travel southbound until the roundabout between the A525 and B5381 is reached. Construction vehicles will take the B5381 exit and travel south west until the junction with the track to Tyn Y Coed is reached. Construction vehicles will turn left onto the track to Tyn Y Coed and travel southbound until the two site accesses are reached.

There are no PRoW within the Site.

During the construction phase the Development will generate an average of 4 two-way HGV movements per day and 30 two-way construction staff movements per day.

During the operational phase the Development will generate 4 two-way vehicle movements per month.

The decommissioning vehicle movements will be similar in number and effect to the volume of vehicles generated throughout the construction of the Development.

This monthly change in vehicle movements is less than the daily fluctuations of traffic on the local highway network. Traffic volumes of this magnitude would be imperceptible on a daily basis. As such, it is considered that there will be no residual traffic related impacts arising from the operational phase of the Development.

1.0 Introduction

- 1.1 Motion has prepared this Transport Assessment on behalf of Anesco Ltd., in relation to the development of a solar farm on land at Cefn Meiriadog, St Asaph, Denbighshire ("the Site"). The application is the construction, operation and decommissioning of a ground mounted photovoltaic (PV) solar farm, together with associated equipment, infrastructure and ancillary works ("The Development").
- 1.2 The Site is located within the administrative boundary of Denbighshire County Council (DCC) who are both the planning authority and highway authority. The Site's location is shown below in **Figure 1.1**.

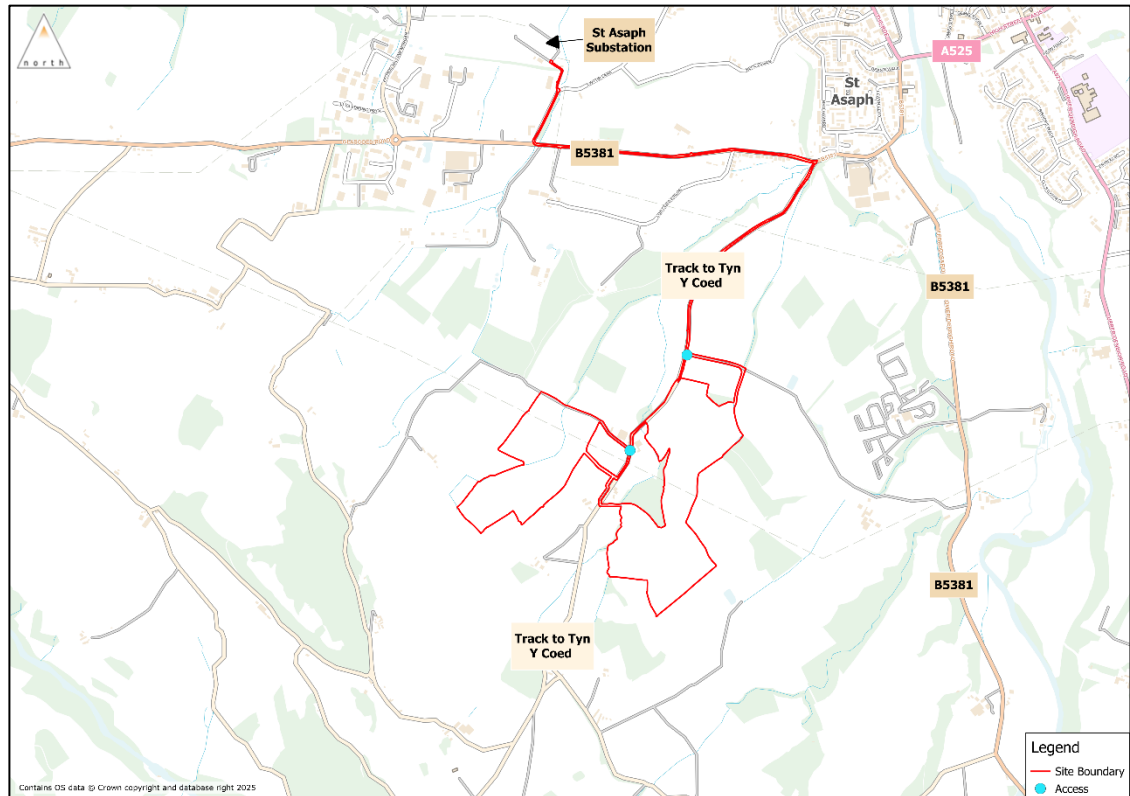


Figure 1.1 – Site location

- 1.3 The Site currently comprises fields of circa 35.42 hectares.

Transport Planning Policy and Guidance

Planning Policy Wales

- 1.4 National planning policy for Wales is contained within Planning Policy Wales, Edition 12, February 2024 (PPW). Paragraph 4.1.56 of PPW states:

"Transport Assessments are an important mechanism for setting out the scale of anticipated impacts a proposed development, or redevelopment is likely to have. They assist in helping to anticipate impacts of development so that they can be understood and catered for appropriately."

- 1.5 Paragraph 4.1.57 continues:

"Planning applications for developments including change of use, falling into the categories identified in TAN18: Transport must be accompanied by a Transport Assessment. In addition, in areas where the transport network is particularly sensitive, planning authorities should consider requiring Transport

Assessments for developments which fall outside of the thresholds set out in TAN 18. Transport Assessments can be required for any proposed development if the planning authority considers that there is a justification or specific need. Transport Assessments provide the basis for negotiation on scheme details including the level of parking, and measures to improve walking, cycling and public transport access, as well as measures to limit or reduce levels of air and noise pollution. They should cover the transport impacts during the construction phase of the development as well as when built and in use."

1.6 With regards renewable and low carbon energy paragraph 5.77 of PPW states:

"The benefits of renewable and low carbon energy, as part of the overall commitment to tackle the climate emergency and increase energy security, is of paramount importance. The continued extraction of fossil fuels will hinder progress towards achieving overall commitments to tackling climate change. The Planning system should:

- ▶ Integrate development with the provision of additional electricity network infrastructure;*
- ▶ Optimise energy storage;*
- ▶ Facilitate the integration of sustainable building design principles in new development;*
- ▶ Optimise the location of new developments to allow for efficient use of resources;*
- ▶ Maximise renewable and low carbon energy generation;*
- ▶ Maximise the use of local energy sources, such as heat networks;*
- ▶ Minimise the carbon impact of other energy generation; and*
- ▶ Move away from the extraction of energy minerals, the burning of which is carbon intensive.*

1.7 With regards Energy storage paragraph 5.712 adds:

"Energy storage has an important part to play in managing the transition to a low carbon economy. The growth in energy generation from renewable sources requires the management of the resultant intermittency in supply, and energy storage can help balance supply and demand. Proposals for new storage facilities should be supported wherever possible.

Technical Advice Notes

1.8 Technical Advice Notes (TAN) provide detailed national planning advice, with TAN 18 providing guidance on transport issues.

1.9 With regards access to developments paragraph 9.16 states:

"Many proposed developments will require access to the existing highway network. The number of accesses permitted will depend upon the type and nature of the road. Similarly, the type of access provided should reflect the type of road and the volume and character of traffic likely to use the access and the road (taking into account the street design guidance in paragraphs 5.4 to 5.13). It may be appropriate to require major road or junction improvements if the volume or character of traffic or type of road warrants it. Other options may include traffic calming or other traffic management measures. The combining of individual access points along a road should be encouraged to help improve road safety. Whatever the access, good visibility is essential for drivers and non-drivers alike. Technical advice on visibility can be found in Annex B."

1.10 Annex D of TAN 18 also outlines the aims of undertaking a Transport Assessment which are:

- ▶ "understand the transport impacts of the development;"*
- ▶ "clearly communicate the impacts to assist the decision making process;"*

- ▶ *"demonstrate the development is sited in a location that will produce a desired and predicted output (for example in terms of target modal split);"*
- ▶ *"mitigate negative transport impacts through the design process and secured through planning conditions or obligations;"*
- ▶ *"maximise the accessibility of the development by non-car modes;"*
- ▶ *"contribute to relevant development plan and RTP objectives relating to accessibility of services and modal share."*

Scope of Report

1.11 This TS has been prepared in accordance with current best practice guidelines and demonstrates that:

- ▶ The proposals accord with national and local policies relevant to transport;
- ▶ Safe and suitable access to the Site can be achieved by all modes; and,
- ▶ The level of traffic associated with the proposals will not lead to severe impact to the existing operation and free flow of traffic on the adjoining highway network.

1.12 Following this introduction, this TS is split into the following sections:

- ▶ Section 2 details the existing highway conditions on relation to the Site;
- ▶ Section 3 provides an overview of the Development and details of the proposed access arrangements, visibility, vehicle routing and cable route;
- ▶ Section 4 assesses the trip generating potential of the proposals and provides an overview of the impacts these are likely to have; and
- ▶ Section 5 summarises the key findings and conclusions of this report.

2.0 Existing Conditions

Local Highway Network

2.1 The local highway network surrounding the Site is illustrated in **Figure 2.1** below:

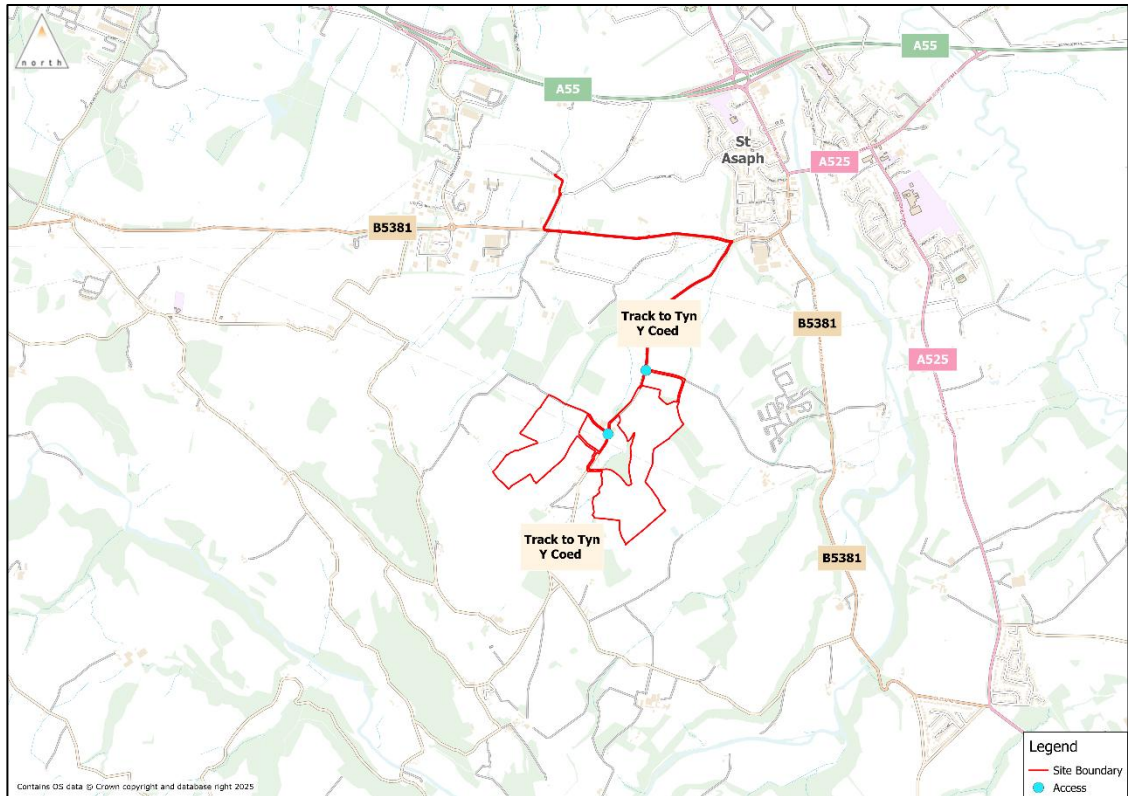


Figure 2.1 – Local Highway Network

- 2.2 The DCC Adopted Roads online map identifies the road the Site is accessed off as track to Tyn Y Coed. In the vicinity of the site accesses the national speed limit applies to the track to Tyn Y Coed. For a road such as the track to Tyn Y Coed this equates to a 60 miles per hour speed limit. In the vicinity of the site accesses Tyn Y Coed has no pedestrian infrastructure or street lighting.
- 2.3 The track to Tyn Y Coed connects to Glascoed Road (B5381) to the north which provides a connection to the A525 and St Asaph and connects to the B5381 to the south east of the Site.
- 2.4 A Department for Transport (DfT) count point (Ref: 951106) is located on the track to Tyn Y Coed in close proximity to the northern site access. The count point recorded the Average Annual Daily Flow (AADF) of traffic. The most recent year data is available for is 2019. In 2019 the count point recorded an AADF of 223 two-way vehicles of which 3 two-way movements were Other Goods Vehicle 2 (OGV2). An OGV2 is defined in the Design Manual for Roads and Bridges (DMRB) - CD 224 – Traffic Assessment as “Other goods vehicle 2 (4-axle rigid vehicles and articulated vehicles with any number of axles)”.
- 2.5 Between the 4th December 2024 to the 10th December 2024 an Automatic Traffic Counter (ATC) was installed on the track to Tyn Y Coed in close proximity to the location of count point 951106. The ATC recorded the speed and volume of traffic on the track to Tyn Y Coed. The ATC recorded an average of 297 vehicle movements per weekday, of which 5 two-way movements were classified as OGV2.
- 2.6 The recorded vehicle movements on the track to Tyn Y Coed suggest the road is lightly trafficked and accommodates HGV's.

Highway Safety Analysis – Recorded Personal Injury Collision (PIC) Data

- 2.7 Personal Injury Collision (PIC) data was obtained from CollisionPlot for the adjoining highway network for the most recent five year period available up to 2023. The study area for the purpose of this assessment is the section of the track to Tyn Y Coed the site accesses to the B5381. A plan showing the study area can be seen below at **Figure 2.2**.

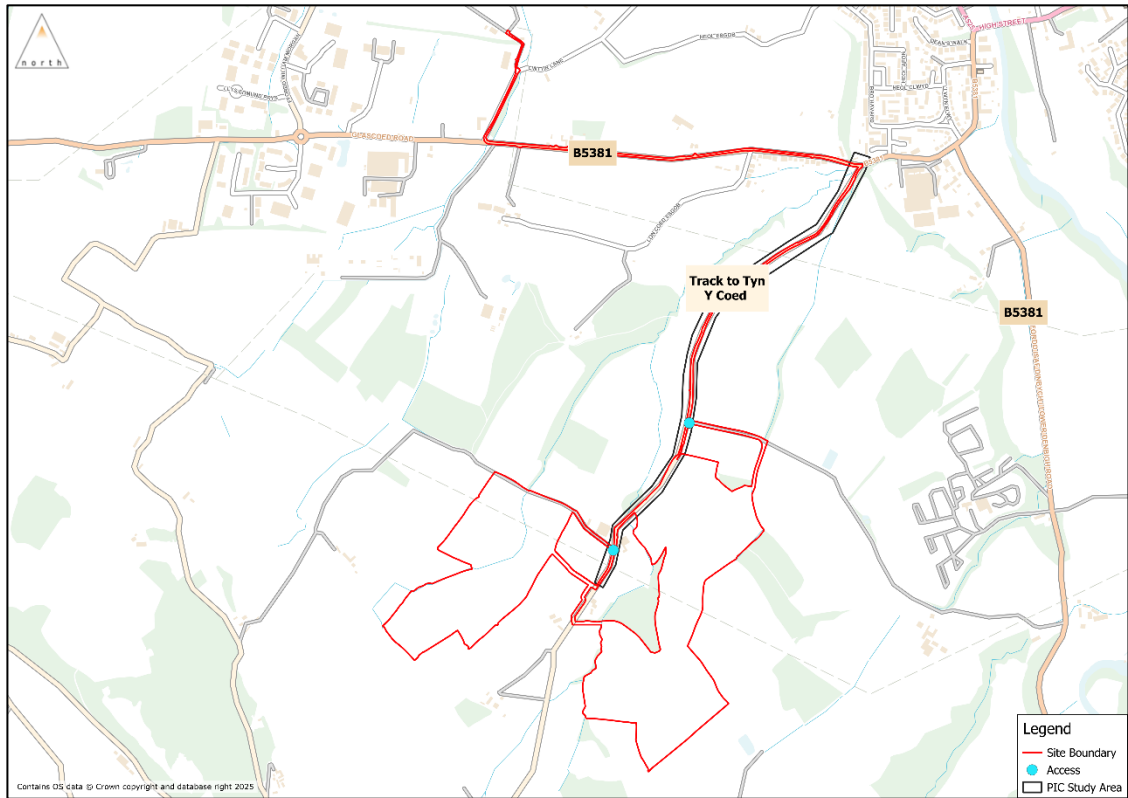


Figure 2.2 – PIC Study Area Plan

- 2.8 No PIC's were identified within the study area over the previous 5 years.
- 2.9 From this review, no significant patterns or trends have been observed, demonstrating that there are no safety issues on the local highway network. It is considered that the Development will have no adverse impact on highway safety, particularly given the low number of vehicle movements expected to be generated by the Development which is considered in Section 4.

3.0 Proposed Development

Proposed Development

Development Description

- 3.1 The Site currently comprises two plots of land amounting to circa 35.42 hectares in area. This planning application seeks permission for ground mounted photovoltaic solar farm with an electrical generating capacity of up to 18.44MW together with associated equipment, infrastructure and ancillary works on land at Cefn Meiriadog, St Asaph, Denbighshire. The Site Layout Plan is included at **Appendix A**.
- 3.2 The Site is largely rural and agricultural, with mixed pastures and arable fields enclosed with mature and well-managed hedgerows, interspersed with small pockets of mixed conifer woodland. The approximate centre of the of the western block is at grid reference SJ 02242 72891 and the approximate centre of the eastern block is at grid reference SJ 02700 72448. The Site lies approximately 60m Above Ordnance Datum (AOD) at its highest point.
- 3.3 The Site is surrounded by a number of small communities, including: St Asaph; Cefn Meiriadog, Bodelwyddan, Trefnant, Groesffordd Marli and Bontnewydd.

Northern Site Access

- 3.4 There is an existing large access on the eastern side of the track to Tyn Y Coed, this track provides access to Tyn-y-Coed Farm as well as the surrounding agricultural fields. This track will provide access to the areas within the Site that are on the eastern side of the track to Tyn Y Coed.
- 3.5 A topographical survey was undertaken of the Site access and surrounding highway network to determine the existing access geometry, road geometry and location of surrounding hedgerows. The topographical survey can be viewed at **Appendix B**. A swept path analysis of a 16.5m articulated vehicle (the largest construction vehicle expected to access the Site) entering and exiting the site access can be viewed at **Appendix C**. This swept path analysis confirms that the existing access geometry is suitable to accommodate the proposed entry and exit manoeuvres.
- 3.6 The national speed limit applies to the track to Tyn Y Coed which for this type of road is 60 mph. A 60 miles per hour speed limit equates to a visibility requirement of 215 metres in each direction. Speed surveys have been conducted between the 4th December 2024 to the 10th December 2024 along the track to Tyn Y Coed in the form of an Automatic Traffic Counter (ATC) survey.
- 3.7 A 7 day 85th-percentile speed of 32.8 miles per hour northbound and a 7 day 85th-percentile speed of 36.4 miles per hour southbound was recorded. The resulting visibility requirements equate to 49m northbound and 53m southbound of visibility. The ATC results are shown at **Appendix D** and the visibility splay distance calculation is shown at **Appendix E**.
- 3.8 This level of visibility is achievable in both directions at the Site access. The visibility splay confirming this can be viewed at **Appendix F**. All vegetation within the visibility splay extent will be kept to a maximum height of 0.6m.
- 3.9 Notwithstanding the above a banksman will be positioned at the Site access to assist the entry and egress of construction vehicles.

Southern Site Access

- 3.10 There is an existing access on the western side of the track to Tyn Y Coed, this track provides access to Tyn-y-ffordd-bach as well as the surrounding agricultural fields. This track will provide access to the areas within the Site that are on the western side of the track to Tyn Y Coed.
- 3.11 A topographical survey was undertaken of the Site access and surrounding highway network to determine the existing access geometry, road geometry and location of surrounding hedgerows. A swept path

analysis of a 16.5m articulated vehicle entering and exiting the Site access can be viewed at **Appendix G**. This swept path analysis confirms that a 16.5m HGV can access and exit the Site access with minor widening within land under the control of the applicant.

- 3.12 The national speed limit applies to the track to Tyn Y Coed which for this type of road is 60 mph. A 60 miles per hour speed limit equates to a visibility requirement of 215 metres in each direction. Speed surveys have been conducted between the 22nd April 2022 to the 28th April 2022 along the track to Tyn Y Coed in the form of an Automatic Traffic Counter (ATC) survey.
- 3.13 A 7 day 85th-percentile speed of 33.5 miles per hour northbound and a 7 day 85th-percentile speed of 29.3 miles per hour southbound was recorded. The resulting visibility requirements equate to 50m northbound and 41m southbound of visibility. The ATC results are shown at **Appendix H** and the visibility splay distance calculation is shown at **Appendix I**.
- 3.14 This level of visibility is achievable in both directions at the Site access with the visibility offset 1m from the carriageway edge. The visibility splay confirming this can be viewed at **Appendix J**.
- 3.15 Notwithstanding the above a banksman will be positioned at the Site access to assist the entry and egress of construction vehicles.

Proposed Vehicular Route Strategy

- 3.16 To manage construction traffic (both LGVs and HGVs) and to ensure traffic does not travel on inappropriate roads, construction vehicle access routes have been identified for the Site. The identified routes have been informed by the existing highway conditions, including any restrictions which may impact on the movement of HGVs to be used during construction.
- 3.17 The access route to and from the Site can be viewed at **Figure 3.1** below:

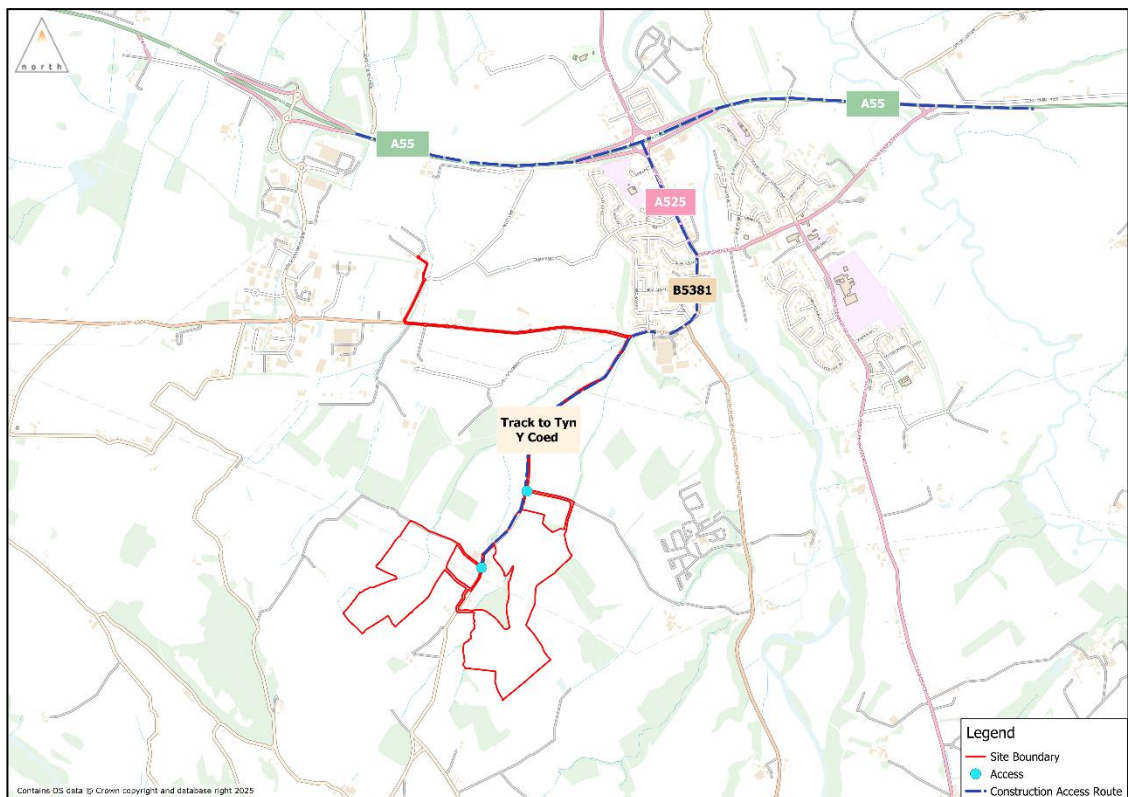


Figure 3.1 – Construction Vehicle Access Routes

3.18 Construction vehicles will reach the Site as shown in **Figure 3.1** which is described below:

- ▶ Construction vehicles will turn off the A55 onto the A525 and travel southbound until the roundabout between the A525 and B5381 is reached;
- ▶ Construction vehicles will take the B5381 exit and travel south west until the junction with the track to Tyn Y Coed is reached; and
- ▶ Construction vehicles will turn left onto the track to Tyn Y Coed and travel southbound until the two site accesses are reached

3.19 Construction vehicles will undertake the route described above in reverse when egressing the Site.

Public Rights of Way (PRoW)

3.20 There are no PRoW within the Site boundary. The Public Rights of Way (PROW) in proximity to the Site are illustrated in **Figure 3.2** below:

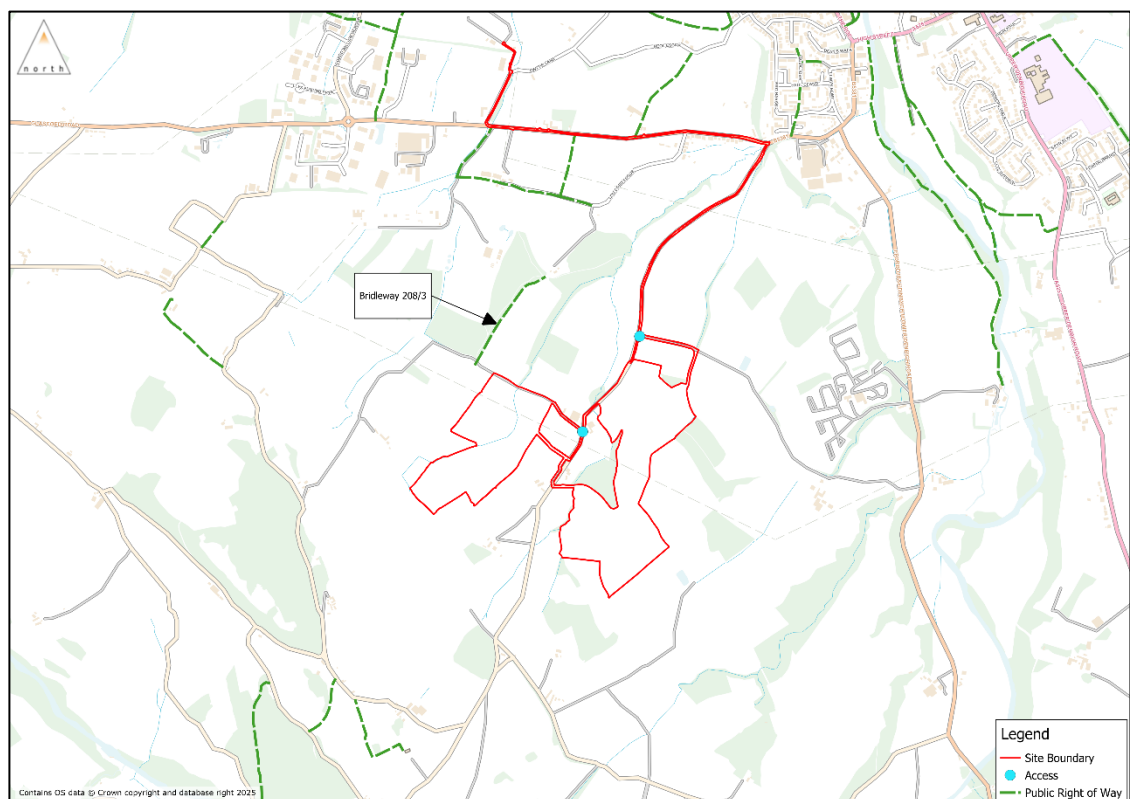


Figure 3.2 – PROW Map

Cable Route

3.21 It is proposed to route the cable from the solar farm to the existing substation to the north of the Site. The proposed cable route is shown below in **Figure 3.3**:

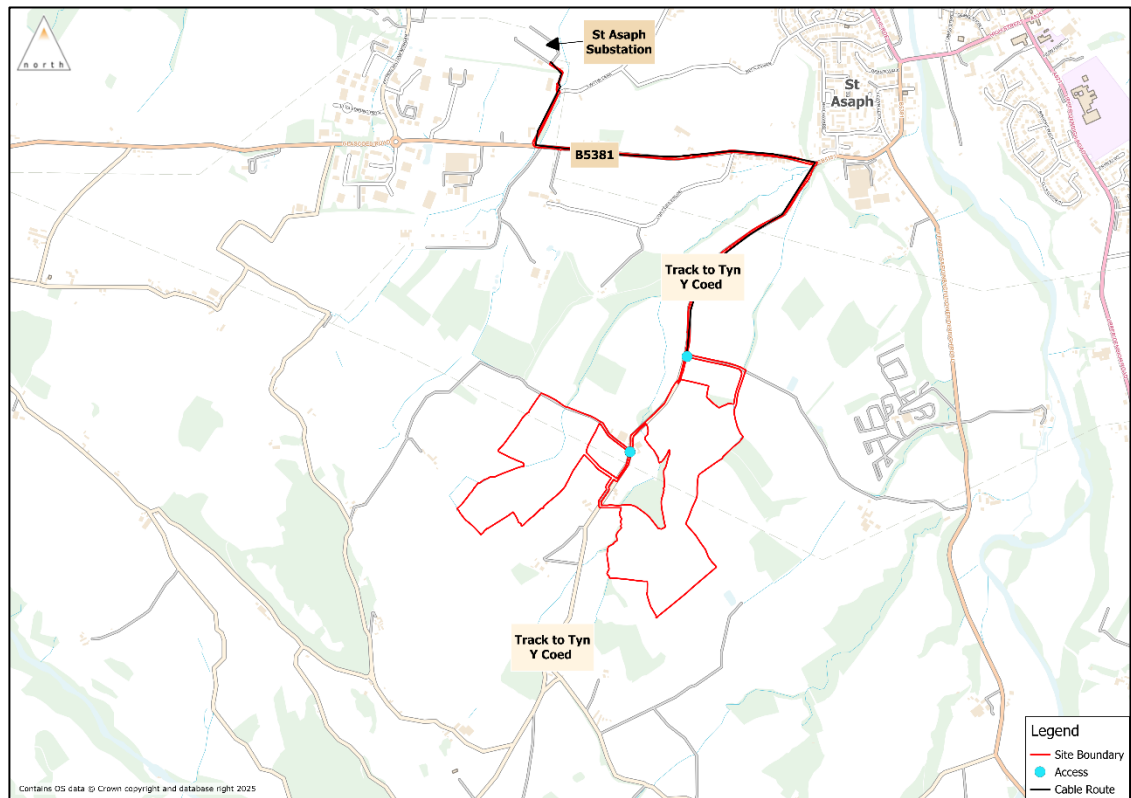


Figure 3.3 – Indicative Cable Route

The cable will run under the track to Tyn Y Coed, Glascoed Road and Cwttir Lane from the Site to St Asaph Substation and will require temporary roadworks. All road works will be undertaken in accordance with "Traffic Signs Manual – Chapter 8 - Traffic Safety Measures and Signs for Road Works and Temporary Situations – Part 1 Design – 2009".

The detailed layout of the traffic management measures will be finalised alongside the detailed design of the Site.

4.0 Proposed Vehicle Movements

Construction and Decommissioning Phases

- 4.1 The Development comprises three phases: construction, operation and decommissioning.
- 4.2 For the construction phase, it is estimated that the Development will be constructed over a 36-week period with deliveries occurring 5.5 days a week (i.e. Monday – Saturday).
- 4.3 Forecast two-way vehicle movements associated with the construction phase is presented in **Table 4.1**.
- 4.4 It should be noted that the decommissioning phase begins after the development’s 40-year lifespan is complete. It is anticipated that the decommissioning phase will have the same traffic generation as the construction phase. The details of decommissioning will be secured prior to the 40-year expiration date.

Phase	Duration	Average daily two-way traffic movements
Construction	36 weeks	4 two-way HGV movements per day
Operation	Permanent	4 two-way movements each month

Table 4.1: Forecast Development Average Two-way Traffic Movements

- 4.5 **Table 4.1** shows that the highest increase in average two-way daily traffic movements is expected during the construction phase. Average two-way daily HGV movements are expected to amount to 4 (that is 2 lorries arriving and 2 leaving).
- 4.6 In addition to the HGV movements detailed above, it is anticipated that there will be an additional 15 LGV / car movements per day (30 two-way) associated with staff movements.

Operational Phase

- 4.7 During the operational phase, the development-related vehicle movements are expected to be minimal and comprise 1 car/van visiting the Site once every two weeks, equivalent to 4 two-way movements per month. This volume of vehicle trips is considered to be negligible.

Traffic Impact and Mitigation

- 4.8 The changes associated with the construction of the Development are considered to be minimal and would have an imperceptible impact on the operation of the local highway network, whilst also noting that the construction phase will be temporary.
- 4.9 Nonetheless, in order to minimise the impact of HGV trips generated by the development during the construction period, a CTMP has been prepared to accompany this planning application.

Residual Impacts

- 4.10 On completion of the 36-week construction period, construction traffic would cease. There would therefore be no residual traffic related impacts arising from the temporary construction phase of the Development.
- 4.11 During the operational phase, traffic movements are expected to amount to 4 two-way vehicle movements per month. This monthly change in vehicle movements is less than the daily fluctuations of traffic on the local highway network. Traffic volumes of this magnitude would be imperceptible on a daily

basis. As such, it is considered that there will be no residual traffic related impacts arising from the operational phase of the Development.

5.0 Summary and Conclusion

Summary

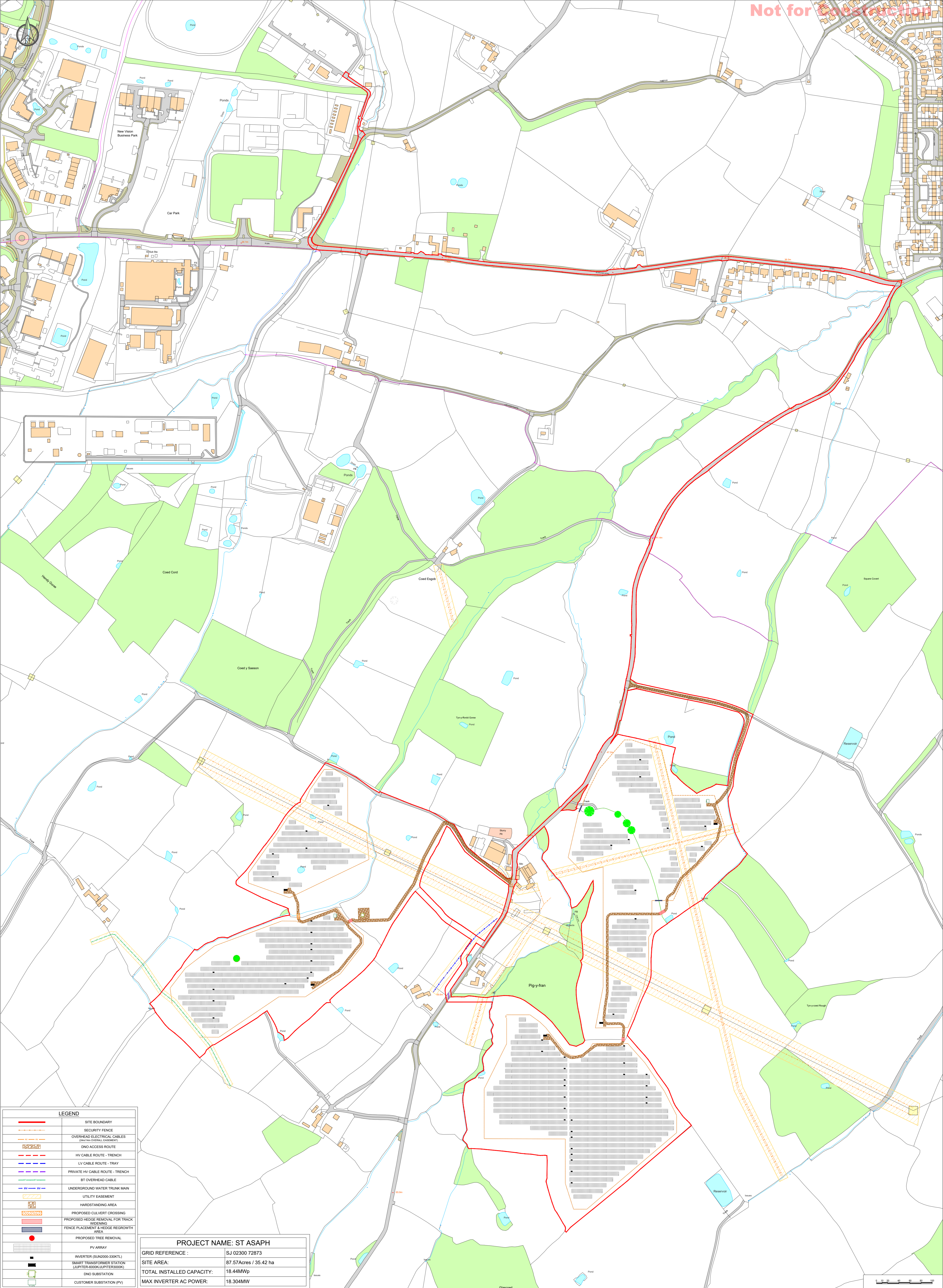
- 5.1 Motion has prepared this Transport Assessment on behalf of Anesco Ltd., in relation to the development of a solar farm on land at Cefn Meiriadog, St Asaph, Denbighshire ("the Site"). The application is the construction, operation and decommissioning of a ground mounted photovoltaic (PV) solar farm, together with associated equipment, infrastructure and ancillary works ("The Development").
- 5.2 The Site is located within the administrative boundary of Denbighshire County Council (DCC) who are both the planning authority and highway authority.
- 5.3 A summary of the findings in this report are as follows:
- ▶ The Development will be accessed via two existing accesses off the track to Tyn Y Coed. The southern of which will be widened.
 - ▶ No PICs were identified within the PIC study area. With consideration to the minimal number of vehicle movements generated by the Development, it is considered that the Development will have no adverse impact on highway safety.
 - ▶ Construction vehicles will turn off the A55 onto the A525 and travel southbound until the roundabout between the A525 and B5381 is reached. Construction vehicles will take the B5381 exit and travel south west until the junction with the track to Tyn Y Coed is reached. Construction vehicles will turn left onto the track to Tyn Y Coed and travel southbound until the two site accesses are reached.
 - ▶ The Development will be constructed over a 36-week period with the Development expected to generate an average of 4 HGV movements per day. This volume of vehicle trips would have a negligible impact on highway capacity.
 - ▶ During the operational phase, the development will generate up to 4 two-way vehicle trips per month, which is considered to have an imperceptible impact on the local highway network.
 - ▶ The maximum anticipated two-way daily HGV trips can be mitigated through the implementation of a CTMP which details measures to minimise the impact of HGV traffic generated by the development.
 - ▶ The volume of vehicle trips generated by the construction and operational phases of the Development are considered to be negligible and would have an imperceptible impact on the operation of the local highway network. As such, there are no residual traffic impacts identified.

Conclusion

- 5.4 In view of the findings within this TS, it is considered that the development proposals are acceptable in transport terms and meets the local and national policy objectives. The TS demonstrates that there are no residual cumulative impacts in terms of highway safety or the operational capacity of the surrounding highway and transport networks and therefore planning permission should not be withheld on transport grounds.

Appendix A

Site Layout



LEGEND	
	SITE BOUNDARY
	SECURITY FENCE
	OVERHEAD ELECTRICAL CABLES (SHOWS OVERALL EASEMENT)
	DNO ACCESS ROUTE
	HV CABLE ROUTE - TRENCH
	LV CABLE ROUTE - TRAY
	PRIVATE HV CABLE ROUTE - TRENCH
	BT OVERHEAD CABLE
	UNDERGROUND WATER TRUNK MAIN
	UTILITY EASEMENT
	HARDSTANDING AREA
	PROPOSED CULVERT CROSSING
	PROPOSED HEDGE REMOVAL FOR TRACK WEENING
	FENCE PLACEMENT & HEDGE REGROWTH AREA
	PROPOSED TREE REMOVAL
	PV ARRAY
	INVERTER (SUN2000-330KTL)
	SMART TRANSFORMER STATION (LUPITER-6000/LUPITER3000K)
	DNO SUBSTATION
	CUSTOMER SUBSTATION (PV)

PROJECT NAME: ST ASAPH	
GRID REFERENCE :	SJ 02300 72873
SITE AREA:	87.57 Acres / 35.42 ha
TOTAL INSTALLED CAPACITY:	18.44MWp
MAX INVERTER AC POWER:	18.304MW

Installer Details
 Anesco Ltd.
 The Green,
 Easter Park,
 Berrym Road,
 Reading,
 RG7 2PQ
 Tel: 0845 894 4444

Revision	Description	Revised By	Date	Revision	Description	Revised By	Date	Drawn By
A	Issued for comment	MS	19/11/2020	N	DNO Track Added	LD	28/11/2023	JH
B	Land reduced from the North and extended to the South	MS	05/03/2021	P	Red Line Boundary amended & access track added in the North	JH	19/12/2023	JH
C	Boundary Line Extended	MS	05/05/2021	Q	Redesign due to array relocation	JS	19/03/2024	JH
D	Boundary Line Extended and site maximised	MS	12/05/2021	R	Redesign	MS	01/08/2024	JH
E	Planning Site Layout	JH	10/11/2021	S	Access Altered	MS	20/09/2024	JH
F	Module Wattage Changed	MS	07/12/2021	T	Hedgerow added and panel locations amended	MS	11/11/2024	JH
G	Site resign to 210KTL & 600KTL Modules	JH	02/03/2022	U	Inverters added	RD	20/01/2024	JH
H	Site redesigned due to tree shading implications	MS	18/08/2022	V4	Topo and service searches added	RD	31/03/2025	JH
J	Red Line Boundary amended to include Private HV	JH	03/08/2022					
K	Site redesign	JH	15/05/2023					
L	Site redesign using new modules and new private HV cable	JH	08/07/2023					
M	Site area amended and module redesign	JH	22/11/2023					

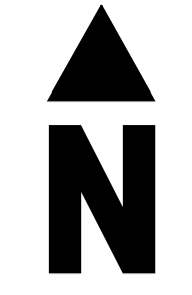
Installation Address
 Cefnmeiriadog,
 St Asaph,
 Denbighshire,
 Wales,
 LL17 0HF

Project	St Asaph
Title	Site layout planning
Drawing No.	C0002452_02
Rev.	V4



Appendix B

Topographical Survey



NOTES

THIS SURVEY IS ORIENTATED TO ORDNANCE SURVEY GRID NORTH. THE SURVEY IS TO A PLANE GRID. HORIZONTAL MEASUREMENTS TAKEN FROM THIS SURVEY WILL BE GROUND DISTANCES.

LOCAL SCALE FACTOR 1.000

ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM GENERATED BY ACTIVE GPS NETWORK

DRAINAGE:

NO ALLOWANCE HAS BEEN MADE FOR SUB SURFACE ACCESS TO MANHOLES OR CHAMBERS. ANY PIPE SIZES, DEPTHS OR BELOW GROUND DIMENSIONS ARE TAKEN FROM THE SURFACE AND THUS WILL BE APPROXIMATE ONLY. ANY FLOW TYPES (FOUL WATER, SURFACE WATER OR COMBINED) ARE ASSUMED AND THEREFORE REQUIRE VERIFICATION.

EVERY EFFORT HAS BEEN MADE TO IDENTIFY ALL VISIBLE ABOVE GROUND FEATURES. HOWEVER IT IS POSSIBLE THAT THERE MAY BE ITEMS THAT WERE OBSCURED AT THE TIME OF SURVEY.

TREES:

TREE DIAMETER MEASURED APPROXIMATELY 1.5M ABOVE GROUND LEVEL. TREE SPREADS ARE SYMBOLIC ONLY AND ARE REPRESENTATIVE OF THE GENERALISED CANOPY SIZE. TREE BOLE MAY NOT BE CENTRAL TO THE CANOPY. TREE HEIGHT ESTIMATED FROM GROUND LEVEL.

ONLY TREES OF STEM > 100MM HAVE BEEN SHOWN. ONLY THOSE TREES THAT FALL WITHIN THE SITE LIMITS HAVE BEEN SURVEYED UNLESS OTHERWISE SPECIFIED.

THIS DRAWING IS COPYRIGHT OF 3D LAND SURVEYS LTD. NO RESPONSIBILITY IS TAKEN FOR AMENDMENTS BY OTHERS.

LEGEND

--- BANK TOP	--- GATE
--- BANK BOTTOM	BT COVER
--- BUILDING	MANHOLE
--- EARTH & STONE HEDGE	--- SIGN POST
--- DITCH INVERT	--- TELEGRAPH POLE
--- DITCH TOP	--- ELECTRICITY POLE
--- MISCELLANEOUS	--- TREE
--- OVERHEAD CABLE	
--- RIDGE	
--- ROAD CHANNEL	
--- STEPS	
--- UNDERGROWTH	
--- WALL	
--- TOP OF WALL	
--- FENCE	

ABBREVIATIONS

AV	ARCH LEVEL	OHC	OVERHEAD CABLE
AV	AIR VALVE	OSBM	OS BENCHMARK
BL	BOLLARD	PO	POST
BB	BELISHA BEACON	PR	POST & RAIL FENCE
BH	BORSHOLE	PWF	POST & WIRE FENCE
BT	BT COVER	RE	RODDING EYE
BW	BARBED WIRE FENCE	RF	ROOF FACE
CB	CLOSE BOARD FENCE	RP	REFLECTOR POST
CL	CHAIN LINK FENCE	RW	RETAINING WALL
CL	COVER LEVEL	SAP	SAPLING
CT	COVER LEVEL	SEC	SECURITY CAMERA
D	DIAMETER	SOY	SOFT LEVEL
DK	DROPPED KERB	SI	SIGN POST
DP	DOWNPIPE	SI/L	SOFT LEVEL
EC	ELECTRIC INSP. COVER	SV	STOP VALVE
EP	ELECTRICITY POLE	SY	CABLE STAY
ER	EARTH ROD	TCB	TELEPHONE KIOSK
FH	FIRE HYDRANT	TOW	TOP OF WALL
FL	FLOOR LEVEL	TSH	TOP OF HEDGE
FP	FLAG POLE	TP	TELEPHONE POLE
GU	GULLY	TRK	TRACK LINE
GUID	GATE POST	TL	TRAFFIC LIGHT
GV	GAS VALVE	VP	VENT PIPE
IC	INSPECTION COVER	WIP	WOODEN PANEL FENCE
IL	INVERT LEVEL	WM	WIRE MESH FENCE
IR	IRON RAILING FENCE	WL	WATER LEVEL
KO	KERS OUTLET	WM	WATER METER
LP	LAMP POST	WT	WATER TAP
MH	MANHOLE		
MKR	MARKER		
OHB	OVERHEAD BUILDING		

STATION CO-ORDINATES

--	--

2	19/06/24	Extra survey Added	BRO
1	19/06/24	Extra survey Added	BRO
Rev	Date	Revision Notes	By

Project

**Cefnmeiriadog
St Asaph
Denbighshire
Wales
LL17 0HF**

Drawing Title

Topographic Survey

Originator

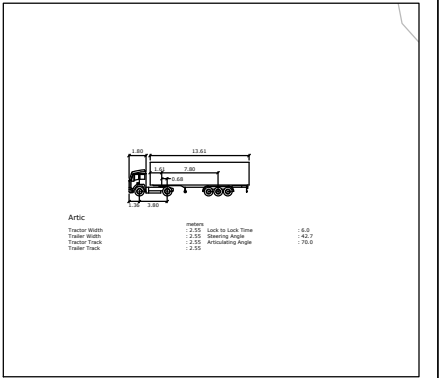
**3D Land Surveys Ltd
Reen Cottage
Reen Manor Farm
Perranporth
Cornwall
TR6 0AJ**

www.3dlandsurveys.co.uk
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Drawn By	Checked By	Publish Date	Scale(s)
BRO	BRO	16/01/25	1:2500 @ A1
Drawing No.	Drawing Title	Revision	
21-191	St_Asaph_Topo_01_3D	0	

Appendix C

Swept Path Analysis - 16.5m HGV – Northern Access



9 Greyfriars, Reading, Berkshire, RG1 1NU
 T: 0118 206 2930
 Guildford - London - Reading
www.motion.co.uk

Project:	St Asaph	
Title:	Swept Path Analysis - 16.5m HGV Northern Access	
Client:	Anesco Ltd.	
Drawing Status:		
Scale:	1:250 (@ A3)	Date: 17/04/2025
Drawn:	AN	Checked: JNR Approved: JNR
Drawing:	2110010 - TK09	Revision: -

Appendix D

ATC Data – Northern Access

St Asaph, Denbighshire - ATC 1 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

Wednesday 04/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	1	1	0	0	0	0	3
6	0	0	0	0	1	4	3	1	0	0	0	0	0	9
7	0	0	0	0	1	7	6	1	1	0	0	0	0	16
8	0	0	0	0	2	3	1	0	0	0	0	0	0	6
9	0	0	1	1	2	5	2	0	0	0	0	0	0	11
10	0	0	0	2	2	3	4	2	0	0	0	0	0	13
11	0	0	0	1	1	0	4	0	0	0	0	0	0	6
12	0	0	0	2	5	3	0	0	0	0	0	0	0	10
13	0	0	0	0	2	3	0	0	0	0	0	0	0	5
14	0	0	0	1	3	5	3	0	0	0	0	0	0	12
15	0	0	0	1	0	2	4	0	0	0	0	0	0	7
16	0	0	0	0	1	8	3	0	0	0	0	0	0	12
17	0	0	1	1	1	1	2	0	0	1	0	0	0	7
18	0	0	1	0	0	1	1	1	0	0	0	0	0	4
19	0	0	0	0	0	1	2	0	0	0	0	0	0	3
20	0	0	0	0	0	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	1	0	1	0	0	0	0	0	2
23	0	0	0	0	1	0	0	0	0	0	0	0	0	1

Hour	7-19	0	3	9	20	41	30	4	1	1	0	0	0	109
Ranges:	6-22	0	3	9	21	47	35	5	1	1	0	0	0	122
	6-24	0	3	9	22	48	35	6	1	1	0	0	0	125
	0-24	0	3	9	22	48	36	7	2	1	0	0	0	128

Channel - Southbound

Wednesday 04/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	0	0	0	0	0	0	1
6	0	0	0	1	0	0	1	1	0	0	0	0	0	3
7	0	0	0	0	0	0	3	0	0	0	0	0	0	3
8	0	0	0	0	0	1	3	0	0	0	0	0	0	4
9	0	0	0	1	2	7	4	0	0	0	0	0	0	14
10	0	0	0	0	3	4	2	0	0	0	0	0	0	9
11	0	0	0	0	2	1	2	0	0	0	0	0	0	5
12	0	0	0	0	1	3	6	0	0	0	0	0	0	10
13	0	0	0	0	0	3	4	0	0	0	0	0	0	7
14	0	1	0	0	3	4	4	1	0	0	0	0	0	13
15	0	0	0	0	5	7	3	3	0	0	0	0	0	18
16	0	0	0	0	2	3	5	1	2	0	0	0	0	13
17	0	0	0	0	1	6	3	2	0	0	0	0	0	12
18	0	0	0	0	1	0	3	3	0	2	0	0	0	9
19	0	0	0	0	0	1	2	1	0	0	0	0	0	4
20	0	0	0	0	1	0	0	2	0	1	1	0	0	5
21	0	0	0	0	0	0	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	1	0	1	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	1	0	1	20	39	42	10	2	2	0	0	0	117
Ranges:	6-22	1	0	2	21	40	46	14	2	3	1	0	0	130
	6-24	1	0	2	21	40	47	14	3	3	1	0	0	132
	0-24	1	0	2	21	41	47	14	3	3	1	0	0	133

Channel - Northbound

Thursday 05/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	1	1	0	0	0	0	3
6	0	0	0	0	1	4	0	0	0	0	0	0	0	5
7	0	0	0	0	1	6	9	2	1	1	0	0	0	20
8	0	0	0	0	1	3	7	1	1	0	0	0	0	13
9	0	0	1	1	3	5	1	0	0	0	0	0	0	11
10	0	0	0	0	4	0	1	1	0	0	0	0	0	6
11	0	0	0	1	2	3	2	0	0	0	0	0	0	8
12	0	0	0	0	1	7	4	1	0	0	0	0	0	13
13	0	0	0	0	2	3	0	0	1	0	0	0	0	6
14	0	0	0	0	1	3	5	0	0	0	0	0	0	9
15	0	0	0	1	1	3	2	1	0	0	0	0	0	8
16	0	1	0	0	0	1	2	0	0	0	0	0	0	4
17	0	0	0	2	1	4	2	1	1	0	0	0	0	11
18	0	0	0	2	0	0	2	1	0	0	0	0	0	5
19	0	0	0	0	2	1	2	1	0	2	0	0	0	8
20	0	0	0	0	2	1	1	0	0	0	0	0	0	4
21	0	0	0	0	0	0	2	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	1	1	7	17	38	37	8	4	1	0	0	0	114
Ranges:	6-22	1	1	7	22	44	42	9	4	3	0	0	0	133
	6-24	1	1	7	22	44	42	9	4	3	0	0	0	133
	0-24	1	1	7	22	45	42	10	5	3	0	0	0	136

St Asaph, Denbighshire - ATC 1 - Unnamed Road

Produced by Streetwise Services Ltd.



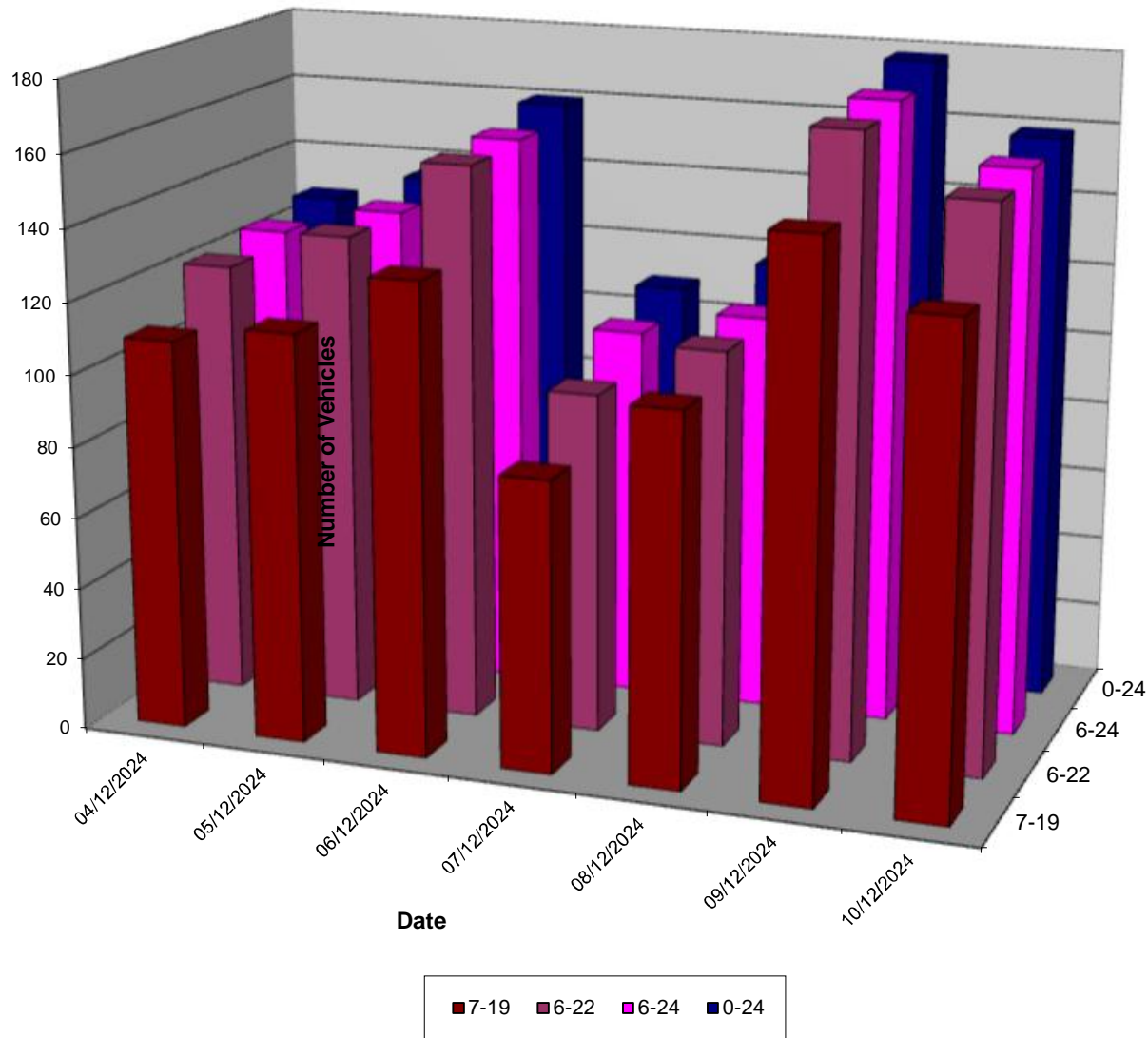
Channel - Northbound

Vehicle Flow

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5 Day Ave	7 Day Ave
0	0	0	0	1	1	3	1	0	1	2
1	0	0	0	0	0	2	0	0	-	2
2	0	0	0	0	0	0	0	0	-	-
3	0	0	0	0	0	1	1	0	1	1
4	0	0	0	1	1	1	0	0	1	1
5	0	3	3	2	3	0	3	2	3	3
6	0	9	5	5	1	0	8	9	7	6
7	0	16	20	16	2	3	10	14	15	12
8	0	6	13	12	4	0	21	13	13	12
9	0	11	11	7	4	9	12	15	11	10
10	0	13	6	12	6	9	10	15	11	10
11	0	6	8	10	9	11	13	10	9	10
12	0	10	13	11	7	15	15	11	12	12
13	0	5	6	18	9	13	14	10	11	11
14	0	12	9	8	10	9	11	11	10	10
15	0	7	8	11	9	14	16	8	10	10
16	0	12	4	8	5	1	13	9	9	7
17	0	7	11	9	8	12	10	10	9	10
18	0	4	5	9	8	7	6	7	6	7
19	0	3	8	7	10	0	6	9	7	7
20	0	1	4	8	0	6	4	3	4	4
21	0	0	2	4	3	1	2	1	2	2
22	0	2	0	0	3	1	2	2	2	2
23	0	1	0	1	6	0	0	0	1	3

Hour Ranges:	7-19	109	114	131	81	103	151	133	128	117
6-22	122	133	155	95	110	171	155	147	147	134
6-24	125	133	156	104	111	173	157	149	149	137
0-24	128	136	160	109	118	178	159	152	152	141

Vehicle Flow (Channel 1)



Channel - Southbound

Vehicle Flow

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5 Day Ave	7 Day Ave
0	0	0	1	0	0	4	0	0	1	3
1	0	0	0	0	1	2	0	0	-	2
2	0	0	0	0	2	0	0	1	1	2
3	0	0	0	0	1	0	1	0	1	1
4	0	0	0	0	0	0	0	0	-	-
5	0	1	0	0	1	0	0	1	1	1
6	0	3	2	3	0	0	2	1	2	2

St Asaph, Denbighshire - ATC 1 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

Average Speed

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	-	37.0	37.5	32.3	53.8	-
1	0	-	-	-	-	34.0	-	-
2	0	-	-	-	-	-	-	-
3	0	-	-	-	-	41.4	34.6	-
4	0	-	-	28.8	36.1	21.1	-	-
5	0	37.2	36.5	39.9	31.0	-	32.5	40.0
6	0	30.4	27.9	30.3	32.6	-	35.1	30.2
7	0	30.8	33.0	31.3	28.2	34.4	35.1	33.7
8	0	27.9	31.6	30.8	26.9	-	30.0	32.5
9	0	26.0	25.1	29.3	23.9	29.1	27.4	25.7
10	0	28.3	27.5	27.5	23.0	26.8	26.7	28.5
11	0	28.8	26.8	28.7	23.6	32.4	30.1	30.0
12	0	24.1	30.2	31.2	25.3	30.7	27.2	32.7
13	0	26.0	28.4	28.7	24.9	27.8	29.5	30.4
14	0	27.8	29.5	31.3	25.1	29.4	23.6	27.0
15	0	29.6	28.8	30.3	26.4	28.4	25.7	31.1
16	0	29.0	26.1	31.5	26.5	41.7	25.8	31.5
17	0	28.0	28.8	26.8	25.9	31.5	28.3	31.3
18	0	27.7	27.3	31.1	36.1	37.1	33.3	33.6
19	0	31.5	35.3	33.5	32.0	-	34.1	32.3
20	0	28.4	27.6	34.0	-	29.1	28.3	26.7
21	0	-	31.6	30.1	30.5	23.9	28.4	28.2
22	0	32.6	-	-	35.9	26.0	40.0	44.6
23	0	24.9	-	42.0	33.4	-	-	-

Hour Ranges:	10-12	28.5	27.1	28.0	23.4	29.9	28.6	29.1
	14-16	28.5	29.2	30.7	25.7	28.8	24.9	28.7
	0-24	28.5	29.8	30.5	28.0	30.3	29.2	30.7

7 Day Ave 29.6

Channel - Northbound

85th Percentile

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	-	37.0	37.5	35.0	53.8	-
1	0	-	-	-	-	34.6	-	-
2	0	-	-	-	-	-	-	-
3	0	-	-	-	-	41.4	34.6	-
4	0	-	-	28.8	36.1	21.1	-	-
5	0	41.4	42.1	44.3	36.0	-	35.5	45.1
6	0	33.9	30.0	31.6	32.6	-	37.1	33.7
7	0	33.5	39.2	35.6	28.6	39.1	44.2	40.8
8	0	30.3	35.2	33.9	29.5	-	33.6	35.0
9	0	30.5	28.9	36.4	28.1	33.8	31.1	30.4
10	0	34.2	31.8	32.7	26.0	32.5	32.0	31.9
11	0	33.6	31.7	32.6	27.9	35.6	34.6	38.1
12	0	29.1	32.0	35.6	28.1	32.9	34.4	43.7
13	0	28.8	32.8	31.8	30.0	33.0	33.3	38.5
14	0	32.0	32.4	35.9	32.2	35.5	29.3	34.8
15	0	33.7	33.3	33.3	30.4	34.0	29.7	34.9
16	0	31.3	33.4	36.6	29.5	41.7	30.7	39.4
17	0	35.2	34.8	29.7	29.0	40.0	37.0	36.6
18	0	35.3	34.6	35.3	42.9	42.5	37.5	38.2
19	0	33.9	48.2	38.1	37.4	-	45.9	37.6
20	0	28.4	30.5	37.7	-	35.4	30.6	30.4
21	0	-	32.3	36.0	33.5	23.9	28.7	28.2
22	0	36.6	-	-	38.0	26.0	40.1	48.3
23	0	24.9	-	42.0	39.7	-	-	-

Hour Ranges:	10-12	33.8	31.8	32.7	27.3	35.4	34.3	32.3
	14-16	33.5	32.7	34.2	31.5	34.6	30.0	35.4
	0-24	33.6	34.9	36.2	34.3	35.7	35.9	37.6

7 Day Ave 35.5

Channel - Southbound

Average Speed

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	37.5	-	-	28.1	-	-
1	0	-	-	-	31.7	29.2	-	-
2	0	-	-	-	39.2	-	-	30.7
3	0	-	-	-	33.5	-	39.9	-
4	0	-	-	-	-	-	-	-
5	0	27.2	-	-	32.7	-	-	43.2
6	0	29.6	33.5	30.7	-	-	36.7	36.0
7	0	33.2	30.6	37.8	38.9	-	27.9	33.0
8	0	31.4	29.3	33.5	25.8	28.2	30.6	28.6
9	0	27.9	26.2	28.9	27.6	27.5	29.6	27.3
10	0	27.6	32.4	30.2	26.5	31.5	25.5	30.0
11	0	28.8	30.9	31.6	27.1	32.4	27.7	28.0
12	0	30.7	28.0	29.7	22.9	29.5	31.9	29.7
13	0	30.7	31.9	29.8	25.2	25.0	27.8	30.5
14	0	27.5	30.5	29.4	28.7	31.5	29.9	32.7
15	0	28.8	25.9	34.7	29.0	28.1	28.6	29.6
16	0	32.4	26.4	31.4	31.3	32.5	31.9	27.9
17	0	30.1	30.7	33.0	32.9	31.8	33.2	33.7
18	0	36.6	31.1	31.0	33.5	37.2	32.8	35.6
19	0	33.1	33.9	33.0	35.2	31.5	35.7	34.8
20	0	40.0	34.0	36.8	28.2	39.9	36.5	32.2
21	0	33.9	34.9	30.3	33.8	32.3	37.0	31.5
22	0	35.9	27.9	25.9	34.5	24.4	24.9	33.0
23	0	-	31.9	30.5	34.8	50.0	-	38.2

Hour Ranges:	10-12	28.0	31.6	31.0	26.9	32.0	26.7	28.9
	14-16	28.3	27.3	31.4	28.9	29.7	29.2	30.6
	0-24	30.6	29.6	31.2	30.4	31.0	30.8	30.9

7 Day Ave 30.7

St Asaph, Denbighshire - ATC 1 - Unnamed Road

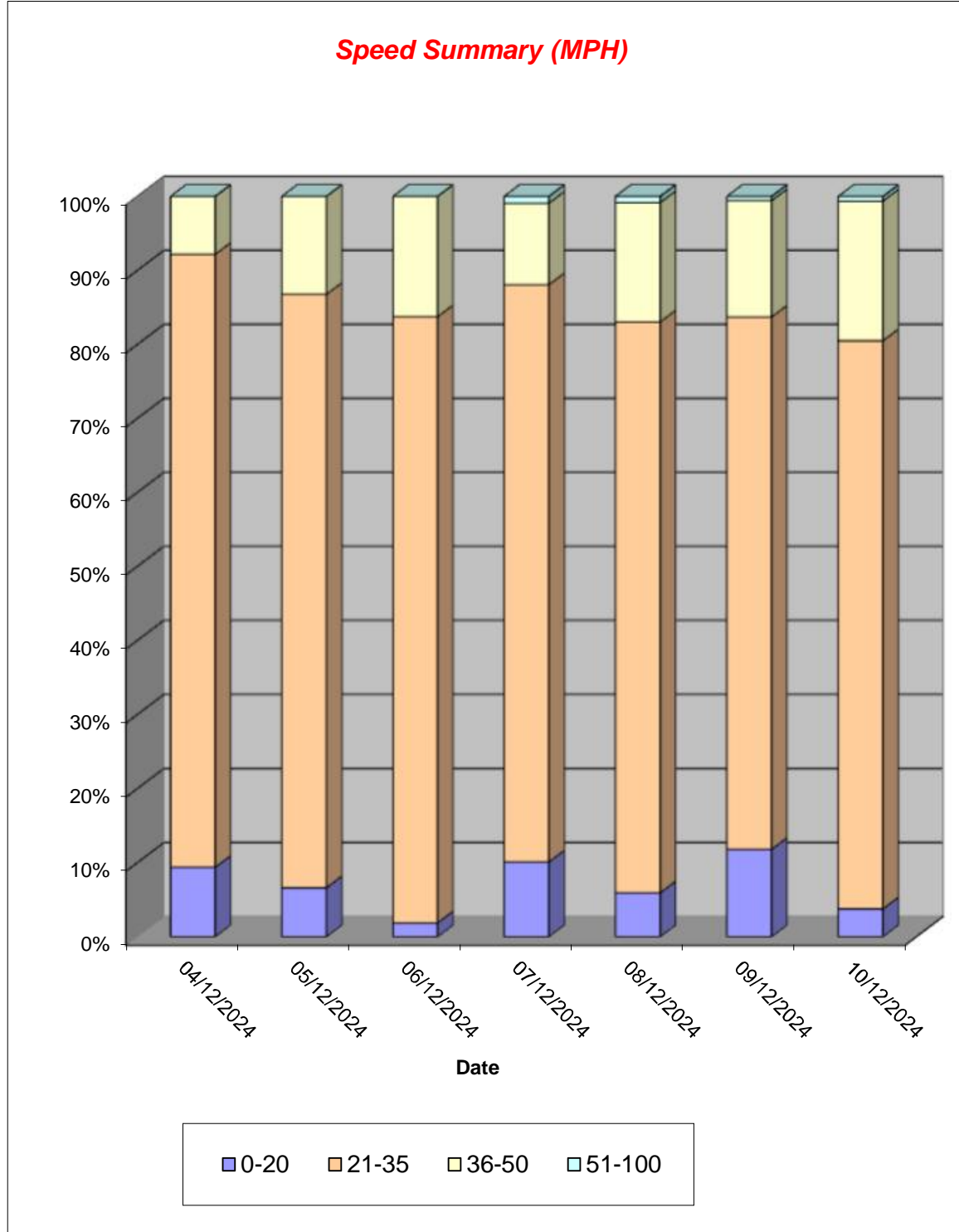
Produced by Streetwise Services Ltd.



Channel - Northbound

Speed Summary

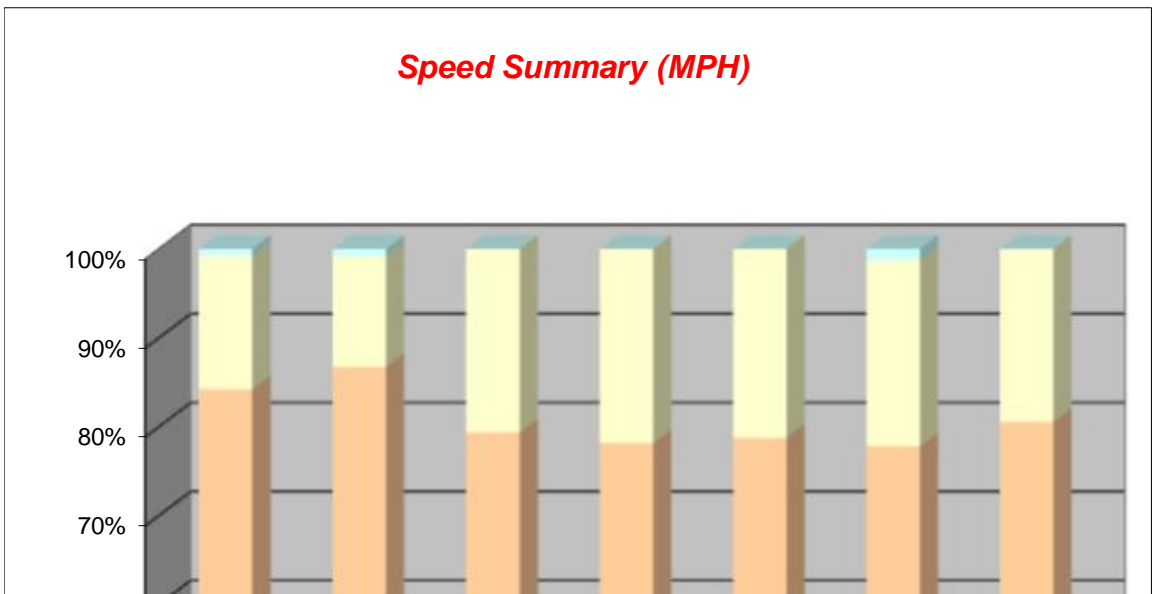
	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Speed (MPH)	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
0-20	12	9	3	11	7	21	6
21-35	106	109	131	85	91	128	122
36-50	10	18	26	12	19	28	30
51-100	0	0	0	1	1	1	1
TOTAL	128	136	160	109	118	178	159



Channel - Southbound

Speed Summary

	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Speed (MPH)	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
0-20	3	7	5	10	5	9	5
21-35	109	104	122	83	84	110	115
36-50	20	16	33	26	24	32	29
51-100	1	1	0	0	0	2	0
TOTAL	133	128	160	119	113	153	149



St Asaph, Denbighshire - ATC 1 - Unnamed Road

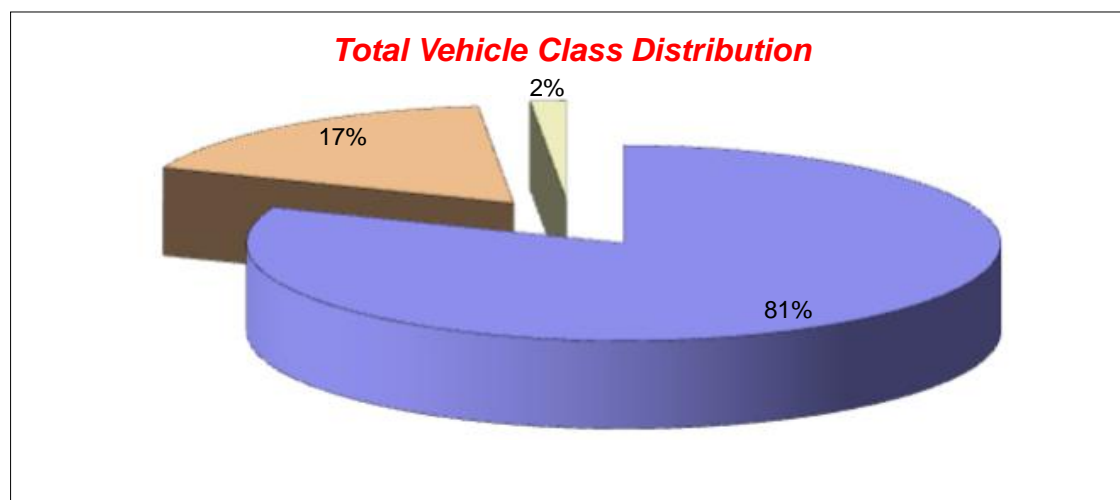
Produced by Streetwise Services Ltd.



Channel - Northbound

Vehicle Class

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
04/12/2024				
7-19	92	17	0	109
6-22	100	22	0	122
6-24	103	22	0	125
0-24	106	22	0	128
05/12/2024				
7-19	94	20	0	114
6-22	111	22	0	133
6-24	111	22	0	133
0-24	114	22	0	136
06/12/2024				
7-19	103	28	0	131
6-22	124	31	0	155
6-24	124	32	0	156
0-24	128	32	0	160
07/12/2024				
7-19	71	10	0	81
6-22	81	14	0	95
6-24	88	16	0	104
0-24	92	17	0	109
08/12/2024				
7-19	91	12	0	103
6-22	98	12	0	110
6-24	98	13	0	111
0-24	102	16	0	118
09/12/2024				
7-19	117	26	8	151
6-22	132	31	8	171
6-24	134	31	8	173
0-24	138	32	8	178
10/12/2024				
7-19	101	25	7	133
6-22	116	32	7	155
6-24	118	32	7	157
0-24	120	32	7	159
Average				
7-19	96	20	2	117
6-22	109	23	2	134
6-24	111	24	2	137
0-24	114	25	2	141



Channel - Southbound

Vehicle Class

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
04/12/2024				
7-19	90	26	1	117
6-22	100	29	1	130
6-24	102	29	1	132
0-24	102	30	1	133
05/12/2024				
7-19	78	24	0	102
6-22	94	28	0	122
6-24	99	28	0	127
0-24	100	28	0	128
06/12/2024				
7-19	100	27	1	128
6-22	115	35	1	151
6-24	123	35	2	160
0-24	123	35	2	160
07/12/2024				
7-19	61	21	0	82
6-22	77	26	0	103
6-24	84	30	0	114
0-24	88	31	0	119
08/12/2024				
7-19	80	11	0	91
6-22	94	11	0	105
6-24	95	12	0	107
0-24	99	14	0	113
09/12/2024				
7-19	94	33	2	129
6-22	112	36	2	150
6-24	114	36	2	152
0-24	114	37	2	153
10/12/2024				
7-19	98	24	3	125
6-22	109	28	3	140

Channel - Southbound

Thursday 05/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
9	0	7	1	0	0	1	0	0	0	0	0	0	0	0	9
10	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
11	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
12	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
13	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
14	0	4	1	0	0	2	0	0	0	0	0	0	0	0	7
15	0	12	3	0	0	1	0	0	0	0	0	0	0	0	16
16	0	16	3	0	0	0	0	0	0	0	0	0	0	0	19
17	0	13	6	0	0	0	0	0	0	0	0	0	0	0	19
18	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
19	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
20	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
23	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2

Hour Ranges:	7-19	78	20	0	0	4	0	0	0	0	0	0	0	0	102
	6-22	94	24	0	0	4	0	0	0	0	0	0	0	0	122
	6-24	99	24	0	0	4	0	0	0	0	0	0	0	0	127
	0-24	100	24	0	0	4	0	0	0	0	0	0	0	0	128

Channel - Northbound

Friday 06/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
7	0	12	4	0	0	0	0	0	0	0	0	0	0	0	16
8	0	11	1	0	0	0	0	0	0	0	0	0	0	0	12
9	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
10	0	8	4	0	0	0	0	0	0	0	0	0	0	0	12
11	0	6	4	0	0	0	0	0	0	0	0	0	0	0	10
12	0	10	1	0	0	0	0	0	0	0	0	0	0	0	11
13	0	13	4	0	0	1	0	0	0	0	0	0	0	0	18
14	0	6	1	0	0	1	0	0	0	0	0	0	0	0	8
15	0	10	1	0	0	0	0	0	0	0	0	0	0	0	11
16	0	5	3	0	0	0	0	0	0	0	0	0	0	0	8
17	0	8	1	0	0	0	0	0	0	0	0	0	0	0	9
18	0	8	1	0	0	0	0	0	0	0	0	0	0	0	9
19	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7
20	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
21	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1

Hour Ranges:	7-19	103	26	0	0	2	0	0	0	0	0	0	0	0	131
	6-22	124	29	0	0	2	0	0	0	0	0	0	0	0	155
	6-24	124	30	0	0	2	0	0	0	0	0	0	0	0	156
	0-24	128	30	0	0	2	0	0	0	0	0	0	0	0	160

Channel - Southbound

Friday 06/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
8	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
9	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
10	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
11	0	7	4	0	0	0	0	0	0	0	0	0	0	0	11
12	0	10	3	0	0	0	0	0	0	0	0	0	0	0	13
13	0	14	1	0	0	1	0	0	0	1	0	0	0	0	17
14	0	10	2	0	0	1	0	0	0	0	0	0	0	0	13
15	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
16	0	18	2	1	0	0	0	0	0	0	0	0	0	0	21
17	0	11	3	0	0	0	0	0	0	0	0	0	0	0	14
18	0	6	2	0	0	0	0	0	0	0	0	0	0	0	8
19	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
20	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
21	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
22	0	3	0	0	0	0	0	0	0	1	0	0	0	0	4
23	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5

Hour Ranges:	7-19	100	24	1	0	2	0	0	0	1	0	0	0	0 <th>128</th>	128
	6-22	115	32	1	0	2	0	0	0	1	0	0	0	0	151
	6-24	123	32	1	0	2	0	0	0	2	0	0	0	0	160
	0-24	123	32	1	0	2	0	0	0	2	0	0	0	0	160

Channel - Northbound

Saturday 07/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	

Channel - Southbound

Thursday 05/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	2	0	0	0	0	0	0	2
7	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8	0	0	0	0	1	2	1	1	0	0	0	0	0	5
9	0	0	0	0	4	5	0	0	0	0	0	0	0	9
10	0	0	0	0	0	3	1	1	0	0	0	0	0	5
11	0	0	0	0	1	2	2	1	0	0	0	0	0	6
12	0	0	0	0	2	4	1	0	0	0	0	0	0	7
13	0	0	0	0	0	2	2	1	0	0	0	0	0	5
14	0	0	0	0	1	3	3	0	0	0	0	0	0	7
15	0	0	1	1	5	6	3	0	0	0	0	0	0	16
16	0	0	2	2	2	8	4	1	0	0	0	0	0	19
17	0	0	0	1	3	7	3	4	0	1	0	0	0	19
18	0	0	0	0	0	1	2	0	0	0	0	0	0	3
19	0	0	0	0	1	4	1	1	2	1	0	0	0	10
20	0	0	0	0	1	1	3	1	0	0	1	0	0	7
21	0	0	0	0	0	0	1	0	0	0	0	0	0	1
22	0	0	0	0	1	1	1	0	0	0	0	0	0	3
23	0	0	0	0	0	1	1	0	0	0	0	0	0	2

Hour	7-19	0	3	4	19	43	23	9	0	1	0	0	0	102
Hour Ranges:	6-22	0	3	4	21	48	30	11	2	2	1	0	0	122
	6-24	0	3	4	22	50	32	11	2	2	1	0	0	127
	0-24	0	3	4	22	50	32	12	2	2	1	0	0	128

Channel - Northbound

Friday 06/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	1	0	0	1	0	0	0	2
6	0	0	0	0	0	1	4	0	0	0	0	0	0	5
7	0	0	0	0	2	4	7	2	1	0	0	0	0	16
8	0	0	0	0	1	5	5	0	1	0	0	0	0	12
9	0	0	0	1	1	1	2	2	0	0	0	0	0	7
10	0	0	0	0	6	2	3	1	0	0	0	0	0	12
11	0	0	0	1	2	3	3	0	1	0	0	0	0	10
12	0	0	0	0	2	4	3	1	0	1	0	0	0	11
13	0	0	0	0	3	10	4	1	0	0	0	0	0	18
14	0	0	0	0	1	4	1	2	0	0	0	0	0	8
15	0	0	0	0	1	4	6	0	0	0	0	0	0	11
16	0	0	0	0	1	3	2	1	1	0	0	0	0	8
17	0	0	0	0	3	6	0	0	0	0	0	0	0	9
18	0	0	0	1	0	2	5	0	1	0	0	0	0	9
19	0	0	0	0	0	1	4	2	0	0	0	0	0	7
20	0	0	0	0	0	2	2	4	0	0	0	0	0	8
21	0	0	0	0	1	1	1	1	0	0	0	0	0	4
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	0	0	0	0	1

Hour	7-19	0	0	3	23	48	41	10	5	1	0	0	0	131
Hour Ranges:	6-22	0	0	3	24	53	52	17	5	1	0	0	0	155
	6-24	0	0	3	24	53	52	17	6	1	0	0	0	156
	0-24	0	0	3	24	54	53	18	6	2	0	0	0	160

Channel - Southbound

Friday 06/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	2	1	0	0	0	0	0	0	3
7	0	0	0	0	0	0	1	1	0	0	0	0	0	2
8	0	0	0	0	0	1	3	1	0	0	0	0	0	5
9	0	0	0	0	1	5	3	0	0	0	0	0	0	9
10	0	0	0	1	2	0	1	3	0	0	0	0	0	7
11	0	0	0	0	0	5	5	0	0	1	0	0	0	11
12	0	0	0	1	3	2	6	0	1	0	0	0	0	13
13	0	0	0	0	3	8	4	2	0	0	0	0	0	17
14	0	0	0	0	3	5	3	2	0	0	0	0	0	13
15	0	0	0	0	0	1	3	4	0	0	0	0	0	8
16	0	0	0	0	0	9	10	1	1	0	0	0	0	21
17	0	0	0	0	0	5	6	2	1	0	0	0	0	14
18	0	0	1	0	1	0	4	1	1	0	0	0	0	8
19	0	0	0	0	0	3	1	2	1	0	0	0	0	7
20	0	0	0	0	0	1	1	1	1	1	0	0	0	5
21	0	0	0	1	1	1	2	3	0	0	0	0	0	8
22	0	0	0	0	2	1	1	0	0	0	0	0	0	4
23	0	0	0	1	0	1	1	2	0	0	0	0	0	5

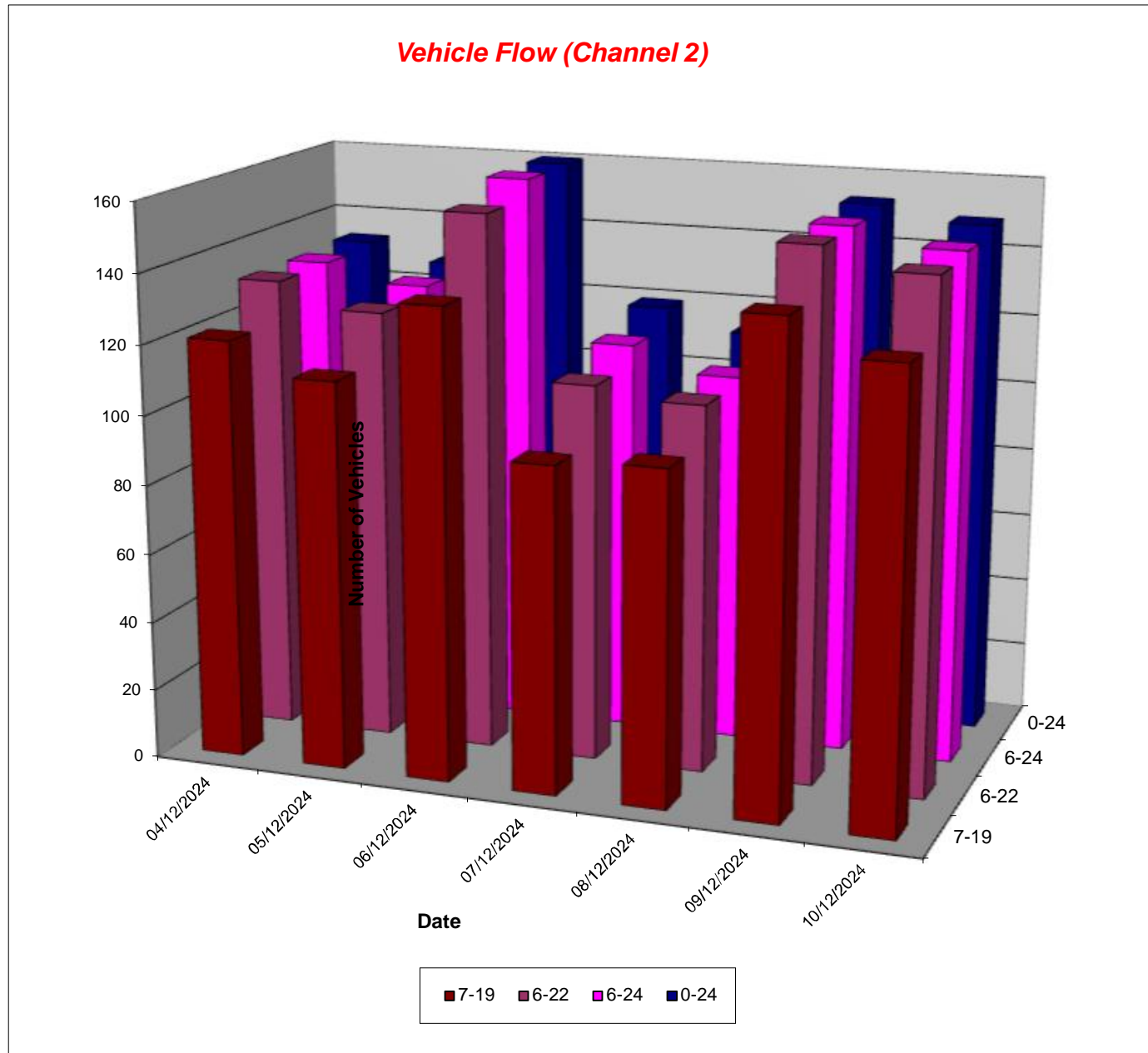
Hour	7-19	0	1	2	13	41	49	17	4	1	0	0	0	128
Hour Ranges:	6-22	0	1	3	14	48	54	23	6	2	0	0	0	151
	6-24	0	1	4	16	50	56	25	6	2	0	0	0	160
	0-24	0	1	4	16	50	56	25	6	2	0	0	0	160

Channel - Northbound

Saturday 07/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	

7	0	3	1	2	1	0	5	3	3	3
8	0	4	5	5	1	2	7	10	6	5
9	0	14	9	9	6	10	7	17	11	10
10	0	9	5	7	5	8	10	7	8	7
11	0	5	6	11	11	9	12	8	8	9
12	0	10	7	13	7	7	13	7	10	9
13	0	7	5	17	7	4	8	10	9	8
14	0	13	7	13	8	15	14	7	11	11
15	0	18	16	8	10	16	17	14	15	14
16	0	13	19	21	6	9	15	13	16	14
17	0	12	19	14	6	5	16	19	16	13
18	0	9	3	8	14	6	5	10	7	8
19	0	4	10	7	12	5	10	4	7	7
20	0	5	7	5	6	4	8	5	6	6
21	0	1	1	8	3	5	1	5	3	3
22	0	2	3	4	6	1	2	6	3	3
23	0	0	2	5	5	1	0	1	3	3

Hour	7-19	121	112	135	94	96	139	129	127	118
Ranges:	6-22	132	125	155	109	106	152	146	142	132
	6-24	132	127	160	114	107	152	147	144	134
	0-24	133	128	160	119	113	153	149	145	136



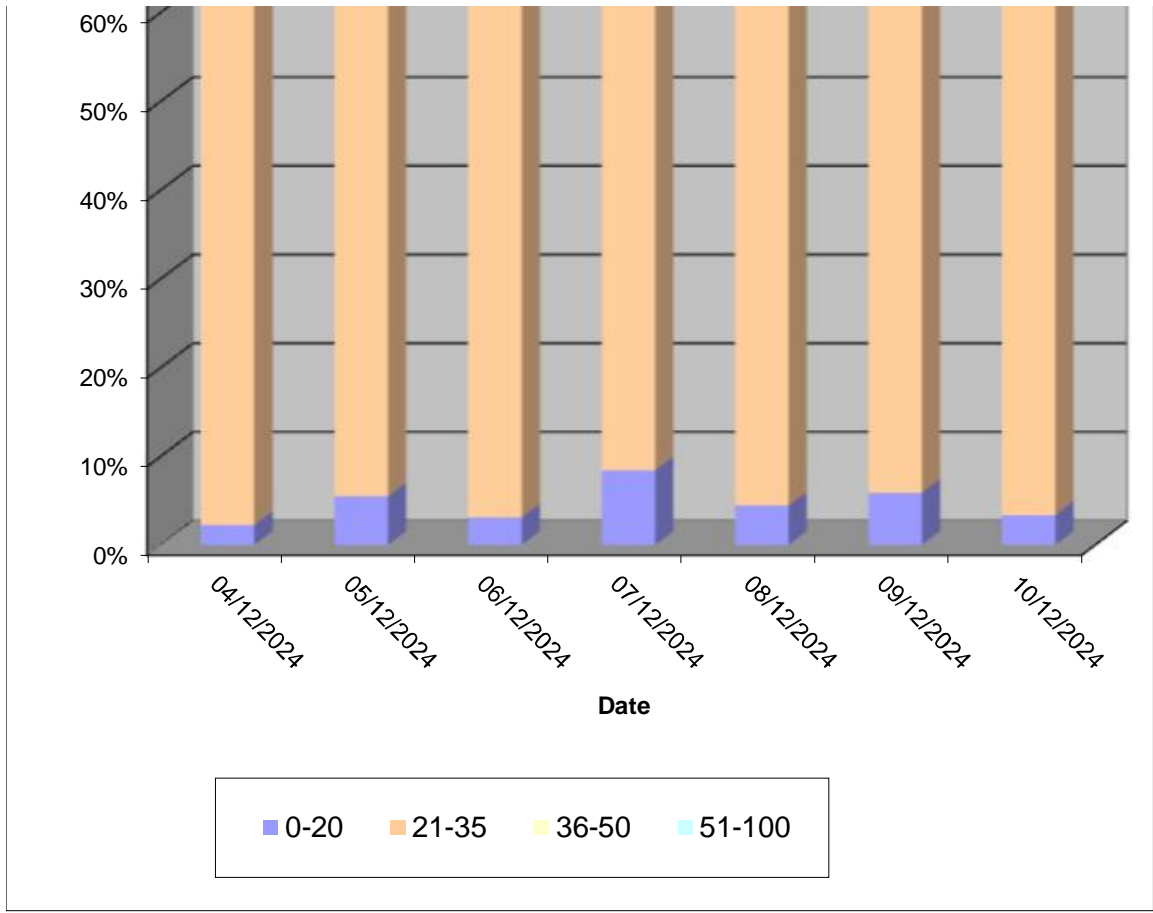
Channel - Southbound

85th Percentile

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	37.5	-	-	35.3	-	-
1	0	-	-	-	31.7	30.6	-	-
2	0	-	-	-	39.5	-	-	30.7
3	0	-	-	-	33.5	-	39.9	-
4	0	-	-	-	-	-	-	-
5	0	27.2	-	-	32.7	-	-	43.2
6	0	34.9	33.5	32.3	-	-	37.6	36.0
7	0	34.9	30.6	39.4	38.9	-	35.7	33.8
8	0	33.7	34.4	36.7	25.8	30.3	36.0	32.1
9	0	31.7	28.1	32.8	32.4	30.3	34.1	31.7
10	0	32.2	35.9	37.3	31.1	36.6	32.1	33.0
11	0	32.7	34.3	32.6	30.6	35.0	31.6	32.8
12	0	34.2	30.1	34.1	27.2	34.5	35.1	33.0
13	0	33.1	34.8	34.1	29.2	32.2	30.7	33.2
14	0	34.4	34.9	33.1	34.8	35.1	39.0	36.8
15	0	34.9	31.0	39.7	32.3	34.4	34.3	36.1
16	0	39.4	32.3	34.0	35.5	37.9	37.0	31.1
17	0	36.6	38.8	36.9	40.6	37.8	36.5	36.9
18	0	44.9	31.9	37.4	41.8	39.5	39.4	40.1
19	0	36.9	43.9	37.0	39.1	33.2	37.5	36.6
20	0	50.0	39.1	43.4	32.6	43.5	41.1	37.6
21	0	33.9	34.9	36.3	37.8	35.0	37.0	33.5
22	0	39.5	30.8	30.1	37.0	24.4	30.1	37.1
23	0	-	32.9	35.6	37.3	50.0	-	38.2

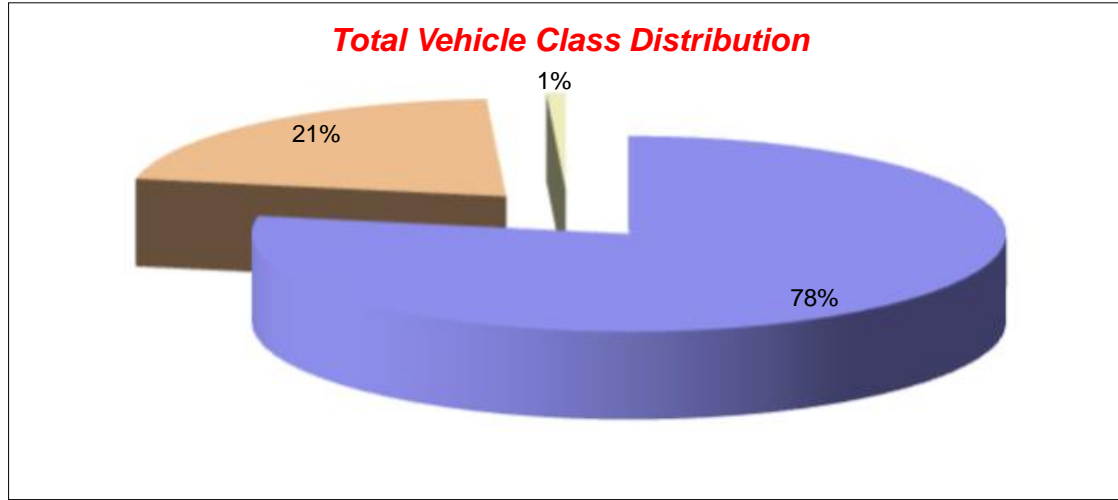
Hour Ranges:	10-12	32.9	35.3	36.4	30.6	36.2	32.1	33.0
	14-16	34.6	32.8	37.5	33.7	35.2	34.9	36.1
	0-24	35.6	34.9	36.6	36.6	37.8	37.2	35.9

7 Day Ave	36.6
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6-24	116	28	3	147
0-24	118	28	3	149

Average	86	24	1	111
7-19	100	28	1	129
6-24	105	28	1	134
0-24	106	29	1	136



0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	0	0	0	0	0	1
5	0	0	0	0	1	1	0	1	0	0	0	0	0	3
6	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7	0	0	0	0	0	2	0	0	0	0	0	0	0	2
8	0	0	0	0	2	1	1	0	0	0	0	0	0	4
9	0	0	0	1	1	2	0	0	0	0	0	0	0	4
10	0	0	0	2	3	1	0	0	0	0	0	0	0	6
11	0	1	0	0	6	2	0	0	0	0	0	0	0	9
12	0	0	0	0	5	1	1	0	0	0	0	0	0	7
13	0	0	1	1	2	5	0	0	0	0	0	0	0	9
14	0	1	1	1	0	4	3	0	0	0	0	0	0	10
15	0	0	0	1	3	3	2	0	0	0	0	0	0	9
16	0	0	0	0	2	2	1	0	0	0	0	0	0	5
17	0	0	0	1	3	3	1	0	0	0	0	0	0	8
18	0	0	0	0	1	2	1	2	1	0	1	0	0	8
19	0	0	0	0	1	4	3	1	1	0	0	0	0	10
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	2	1	0	0	0	0	0	0	3
22	0	0	0	0	0	0	1	2	0	0	0	0	0	3
23	0	0	0	0	1	1	2	1	0	1	0	0	0	6

Hour	7-19	2	2	7	28	28	10	2	1	0	1	0	0	81
Ranges:	6-22	2	2	7	29	34	15	3	2	0	1	0	0	95
	6-24	2	2	7	30	35	18	6	2	1	1	0	0	104
	0-24	2	2	7	31	36	18	9	2	1	1	0	0	109

Channel - Southbound

Saturday		Vehicle Speeds (MPH)													
07/12/2024															
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	TOTAL	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
2	0	0	0	0	0	0	0	2	0	0	0	0	0	2	
3	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
8	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
9	0	0	0	1	1	2	2	0	0	0	0	0	0	6	
10	0	0	0	0	2	2	1	0	0	0	0	0	0	5	
11	0	0	0	1	3	4	3	0	0	0	0	0	0	11	
12	0	0	0	2	2	3	0	0	0	0	0	0	0	7	
13	0	0	1	1	1	3	0	1	0	0	0	0	0	7	
14	0	0	0	1	1	3	2	0	1	0	0	0	0	8	
15	0	0	0	0	2	5	3	0	0	0	0	0	0	10	
16	0	0	0	0	0	2	3	1	0	0	0	0	0	6	
17	0	0	0	1	0	1	1	2	1	0	0	0	0	6	
18	0	0	0	1	0	3	5	2	3	0	0	0	0	14	
19	0	0	0	0	1	1	4	5	1	0	0	0	0	12	
20	0	0	0	1	1	2	1	1	0	0	0	0	0	6	
21	0	0	0	0	0	1	1	0	1	0	0	0	0	3	
22	0	0	0	0	0	1	2	3	0	0	0	0	0	6	
23	0	0	0	0	0	0	4	0	1	0	0	0	0	5	

Hour	7-19	0	1	8	12	29	20	7	5	0	0	0	0	82
Ranges:	6-22	0	1	9	14	33	26	13	7	0	0	0	0	103
	6-24	0	1	9	14	34	32	16	8	0	0	0	0	114
	0-24	0	1	9	14	34	35	18	8	0	0	0	0	119

Channel - Northbound

Sunday		Vehicle Speeds (MPH)													
08/12/2024															
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	TOTAL	
0	0	0	0	0	0	1	1	1	0	0	0	0	0	3	
1	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
4	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	1	0	2	0	0	0	0	0	3	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	1	1	2	5	0	0	0	0	0	0	9	
10	0	0	0	2	1	3	3	0	0	0	0	0	0	9	
11	0	0	0	0	1	2	6	2	0	0	0	0	0	11	
12	0	0	0	0	0	8	6	1	0	0	0	0	0	15	
13	0	0	0	1	2	7	3	0	0	0	0	0	0	13	
14	0	0	1	0	1	3	2	1	1	0	0	0	0	9	
15	0	0	0	1	4	4	4	1	0	0	0	0	0	14	
16	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
17	0	0	0	1	2	3	3	1	1	0	1	0	0	12	
18	0	0	0	0	1	0	1	2	3	0	0	0	0	7	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	3	1	1	1	0	0	0	0	0	6	
21	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
22	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Hour	7-19	0	1	6	13	33	33	10	6	0	1	0	0	103
Ranges:	6-22	0	1	6	17	34	34	11	6	0	1	0	0	110
	6-24	0	1	6	17	35	34	11	6	0	1	0	0	111
	0-24	0	1	6	18	36	37	12	7	0	1	0	0	118

Channel - Southbound

Sunday		Vehicle Speeds (MPH)													
08/12/2024															
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	TOTAL	
0	0	0	1	0	0	1	1	1	0	0	0	0	0	4	
1	0	0	0	0	0	1	1	0	0	0	0	0	0	2	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	1	0	1	0	0	0	0	0	0	2	
9	0	0	0	0	2	6	2	0	0	0	0	0	0	10	

4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	6	3	0	0	0	0	0	0	0	0	0	0	0	0	9
7	0	11	3	0	0	0	0	0	0	0	0	0	0	0	0	14
8	0	11	1	0	0	0	0	0	0	0	0	0	0	1	0	13
9	0	12	2	0	0	0	0	0	1	0	0	0	0	0	0	15
10	0	8	5	1	0	0	0	0	0	0	0	0	0	1	0	15
11	0	9	0	0	0	0	0	0	0	1	0	0	0	0	0	10
12	0	10	0	0	0	0	0	0	1	0	0	0	0	0	0	11
13	0	4	4	0	0	0	0	0	2	0	0	0	0	0	0	10
14	0	9	1	0	0	1	0	0	0	0	0	0	0	0	0	11
15	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	8
16	0	7	1	0	0	0	0	0	1	0	0	0	0	0	0	9
17	0	8	1	0	0	0	0	0	1	0	0	0	0	0	0	10
18	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	7
19	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9
20	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	101	21	1	0	1	0	0	6	1	0	0	2	0	133
Ranges:	6-22	116	28	1	0	1	0	0	6	1	0	0	2	0	155
	6-24	118	28	1	0	1	0	0	6	1	0	0	2	0	157
	0-24	120	28	1	0	1	0	0	6	1	0	0	2	0	159

Channel - Southbound

Tuesday		Vehicle Classes													TOTAL
10/12/2024		1	2	3	4	5	6	7	8	9	10	11	12	13	
Hour	Min														
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
7	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
8	0	8	1	0	0	0	0	0	0	0	0	0	1	0	10
9	0	13	3	0	0	1	0	0	0	0	0	0	0	0	17
10	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
11	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
12	0	4	2	0	0	0	0	0	1	0	0	0	0	0	7
13	0	7	3	0	0	0	0	0	0	0	0	0	0	0	10
14	0	4	3	0	0	0	0	0	0	0	0	0	0	0	7
15	0	12	1	0	0	0	0	0	1	0	0	0	0	0	14
16	0	11	0	0	0	0	0	1	1	0	0	0	0	0	13
17	0	17	2	0	0	0	0	0	0	0	0	0	0	0	19
18	0	8	2	0	0	0	0	0	0	0	0	0	0	0	10
19	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
20	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
21	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
22	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1

Hour	7-19	98	21	0	0	1	0	1	3	0	0	0	1	0	125
Ranges:	6-22	109	25	0	0	1	0	1	3	0	0	0	1	0	140
	6-24	116	25	0	0	1	0	1	3	0	0	0	1	0	147
	0-24	118	25	0	0	1	0	1	3	0	0	0	1	0	149

4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	0	0	1	0	0	0	2
6	0	0	0	0	2	3	3	0	1	0	0	0	0	9
7	0	0	0	0	2	3	4	2	3	0	0	0	0	14
8	0	0	0	0	0	4	8	1	0	0	0	0	0	13
9	0	0	0	2	5	5	2	1	0	0	0	0	0	15
10	0	0	0	0	3	8	4	0	0	0	0	0	0	15
11	0	0	0	0	4	2	2	0	2	0	0	0	0	10
12	0	0	0	0	2	4	1	2	0	2	0	0	0	11
13	0	0	0	0	3	3	1	2	1	0	0	0	0	10
14	0	0	1	2	1	3	2	2	0	0	0	0	0	11
15	0	0	0	0	0	4	3	1	0	0	0	0	0	8
16	0	0	0	0	2	3	2	0	1	1	0	0	0	9
17	0	0	0	0	1	6	1	2	0	0	0	0	0	10
18	0	0	0	0	1	2	2	1	0	0	1	0	0	7
19	0	0	0	0	0	4	3	2	0	0	0	0	0	9
20	0	0	0	1	0	1	1	0	0	0	0	0	0	3
21	0	0	0	0	0	1	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	0	1	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	0	1	4	24	47	32	14	7	3	1	0	0	133
Ranges:	6-22	0	1	5	26	56	39	16	8	3	1	0	0	155
	6-24	0	1	5	26	56	39	17	8	4	1	0	0	157
	0-24	0	1	5	26	56	40	17	8	5	1	0	0	159

Channel - Southbound

Tuesday		Vehicle Speeds (MPH)												TOTAL	
10/12/2024	Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70		71-100
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	6	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	7	0	0	0	0	0	0	3	0	0	0	0	0	0	3
	8	0	0	0	1	1	4	4	0	0	0	0	0	0	10
	9	0	1	0	1	1	8	4	2	0	0	0	0	0	17
	10	0	0	0	0	0	4	3	0	0	0	0	0	0	7
	11	0	0	0	1	1	3	3	0	0	0	0	0	0	8
	12	0	0	0	1	0	4	1	0	1	0	0	0	0	7
	13	0	0	0	0	0	6	3	1	0	0	0	0	0	10
	14	0	0	0	0	1	1	3	1	1	0	0	0	0	7
	15	0	0	0	0	4	4	3	3	0	0	0	0	0	14
	16	0	0	0	0	5	6	1	0	1	0	0	0	0	13
	17	0	0	0	0	0	5	7	5	2	0	0	0	0	19
	18	0	0	0	0	0	1	4	3	2	0	0	0	0	10
	19	0	0	0	0	0	0	2	2	0	0	0	0	0	4
	20	0	0	0	0	1	1	2	0	1	0	0	0	0	5
	21	0	0	0	0	0	1	4	0	0	0	0	0	0	5
	22	0	0	0	0	0	3	2	0	0	1	0	0	0	6
	23	0	0	0	0	0	0	0	1	0	0	0	0	0	1

Hour	7-19	1	0	4	13	46	39	15	7	0	0	0	0	125
Ranges:	6-22	1	0	4	14	48	47	18	8	0	0	0	0	140
	6-24	1	0	4	14	51	49	19	8	1	0	0	0	147
	0-24	1	0	4	14	51	50	19	9	1	0	0	0	149

St Asaph, Denbighshire - ATC 1 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	128	136	160	109	118	178	159	152	141
Mean Speed	28.5	29.8	30.5	28.0	30.3	29.2	30.7	29.7	29.6
85%ile Speed	33.6	34.9	36.2	34.3	35.7	35.9	37.6	35.6	35.4
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Channel - Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	133	126	160	119	113	153	149	145	136
Mean Speed	30.6	29.6	31.2	30.4	31.0	30.8	30.9	30.6	30.6
85%ile Speed	35.6	34.9	36.6	36.6	37.8	37.2	35.9	36.0	36.4
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Northbound & Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	261	264	320	228	231	331	308	297	278
Mean Speed	29.6	29.7	30.8	29.2	30.6	30.0	30.8	30.2	30.1
85%ile Speed	34.8	34.9	36.4	36.3	37.2	36.5	36.5	35.8	36.1
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HGV + 3 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic, 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

St Asaph, Denbighshire - ATC 1 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	87	88	115	90	102	124	113	105	103
Mean Speed	29.6	30.1	31.7	30.5	31.3	31.9	31.3	30.9	30.9
85%ile Speed	33.6	33.4	36.4	35.1	35.4	35.7	36.8	35.2	35.2
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Channel - Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	101	84	118	105	97	110	104	103	103
Mean Speed	31.4	32.1	30.8	31.9	31.1	33.8	33.3	32.3	32.1
85%ile Speed	35.6	34.9	36.5	36.5	37.2	37.3	36.0	36.1	36.3
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Northbound & Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	188	172	233	195	199	234	217	209	205
Mean Speed	31.1	30.9	31.4	31.2	31.4	32.7	31.9	31.6	31.5
85%ile Speed	34.9	34.2	36.4	36.3	35.7	36.2	36.3	35.6	35.7
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

St,

Prod

Asaph, Denbighshire - ATC 1 - Unnamed Road

uced by Streetwise Services Ltd.

Installation Photo



[Google Map Link](#)

St Asaph, Denbighshire - ATC 2 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

Wednesday 04/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
6	0	5	3	1	0	0	0	0	0	0	0	0	0	0	9
7	0	12	4	0	0	0	0	0	0	0	0	0	0	0	16
8	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
9	0	10	1	0	0	0	0	0	0	0	0	0	0	0	11
10	0	14	2	0	0	0	0	0	0	0	0	0	0	0	16
11	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
12	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
13	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
14	0	11	1	0	0	0	0	0	0	0	0	0	0	0	12
15	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6
16	0	8	4	0	0	0	0	0	0	0	0	0	0	0	12
17	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
18	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
19	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hour Ranges:	7-19	89	18	0	0	0	0	0	0	0	0	0	0	0	107
	6-22	97	22	1	0	0	0	0	0	0	0	0	0	0	120
	6-24	100	22	1	0	0	0	0	0	0	0	0	0	0	123
	0-24	103	22	1	0	0	0	0	0	0	0	0	0	0	126

Channel - Southbound

Wednesday 04/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
7	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
8	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
9	0	13	1	0	0	0	0	0	0	0	0	0	0	0	14
10	0	5	3	0	0	0	0	0	0	0	0	0	1	0	9
11	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
12	0	6	2	0	0	1	0	0	0	0	0	0	0	0	9
13	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
14	0	10	4	0	0	0	0	0	0	0	0	0	0	0	14
15	0	15	0	0	0	1	0	0	1	0	0	0	0	0	17
16	0	8	4	0	0	0	0	1	0	0	0	0	0	0	13
17	0	8	2	1	0	0	0	0	0	0	0	0	0	0	11
18	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
19	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
20	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour Ranges:	7-19	90	19	1	0	2	0	1	0	1	0	0	1	0	115
	6-22	101	22	1	0	2	0	1	0	1	0	0	1	0	129
	6-24	103	22	1	0	2	0	1	0	1	0	0	1	0	131
	0-24	103	22	2	0	2	0	1	0	1	0	0	1	0	132

Channel - Northbound

Thursday 05/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
6	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
7	0	14	5	0	0	0	0	1	0	0	0	0	0	0	20
8	0	11	2	0	0	0	0	0	0	0	0	0	0	0	13
9	0	9	1	0	0	0	0	0	0	0	0	0	0	0	10
10	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
11	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
12	0	12	1	0	0	0	0	0	0	0	0	0	0	0	13
13	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
14	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
15	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
16	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
17	0	7	4	0	0	0	0	0	0	0	0	0	0	0	11
18	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
19	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
20	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
21	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour Ranges:	7-19	92	20	0	0	0	0	1	0	0	0	0	0	0	113
	6-22	107	23	0	0	0	0	1	0	0	0	0	0	0	131
	6-24	107	23	0	0	0	0	1	0	0	0	0	0	0	131
	0-24	110	23	0	0	0	0	1	0	0	0	0	0	0	134

St Asaph, Denbighshire - ATC 2 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

Wednesday 04/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	1	0	1	0	0	0	0	3
6	0	0	0	0	3	3	3	0	0	0	0	0	0	9
7	0	0	0	0	3	11	1	1	0	0	0	0	0	16
8	0	0	0	1	2	2	1	0	0	0	0	0	0	6
9	0	0	0	2	4	4	1	0	0	0	0	0	0	11
10	0	0	1	2	3	7	1	2	0	0	0	0	0	16
11	0	0	0	0	1	2	2	0	0	0	0	0	0	5
12	0	0	0	0	5	3	0	0	0	0	0	0	0	8
13	0	0	0	0	3	2	0	0	0	0	0	0	0	5
14	0	0	0	1	3	8	0	0	0	0	0	0	0	12
15	0	0	0	0	0	3	3	0	0	0	0	0	0	6
16	0	0	0	0	2	9	1	0	0	0	0	0	0	12
17	0	0	0	1	1	1	1	1	0	1	0	0	0	6
18	0	0	0	1	0	2	1	0	0	0	0	0	0	4
19	0	0	0	0	0	2	1	0	0	0	0	0	0	3
20	0	0	0	0	0	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	1	1	0	0	0	0	0	0	2
23	0	0	1	0	0	0	0	0	0	0	0	0	0	1

Hour	7-19	0	1	8	27	54	12	4	0	1	0	0	0	107
Ranges:	6-22	0	1	8	30	60	16	4	0	1	0	0	0	120
	6-24	0	2	8	30	61	17	4	0	1	0	0	0	123
	0-24	0	2	8	30	62	18	4	1	1	0	0	0	126

Channel - Southbound

Wednesday 04/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	0	0	0	0	0	0	0	0	1
6	0	0	0	1	0	1	1	0	0	0	0	0	0	3
7	0	0	0	1	0	3	0	0	0	0	0	0	0	4
8	0	0	0	0	2	2	0	0	0	0	0	0	0	4
9	0	0	0	5	3	6	0	0	0	0	0	0	0	14
10	0	0	1	1	4	3	0	0	0	0	0	0	0	9
11	0	0	0	0	2	1	1	0	0	0	0	0	0	4
12	0	0	0	0	4	4	1	0	0	0	0	0	0	9
13	0	0	0	1	4	2	0	0	0	0	0	0	0	7
14	0	1	3	2	2	6	0	0	0	0	0	0	0	14
15	0	0	1	3	7	4	2	0	0	0	0	0	0	17
16	0	0	0	1	3	6	3	0	0	0	0	0	0	13
17	0	0	0	1	3	3	2	2	0	0	0	0	0	11
18	0	0	0	0	1	1	7	0	0	0	0	0	0	9
19	0	0	0	0	4	0	1	0	0	0	0	0	0	5
20	0	0	0	0	1	0	2	0	2	0	0	0	0	5
21	0	0	0	0	0	1	0	0	0	0	0	0	0	1
22	0	0	0	0	0	1	1	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	1	5	15	35	41	16	2	0	0	0	0	0	115
Ranges:	6-22	1	5	16	40	43	20	2	2	0	0	0	0	129
	6-24	1	5	16	40	44	21	2	2	0	0	0	0	131
	0-24	1	5	16	41	44	21	2	2	0	0	0	0	132

Channel - Northbound

Thursday 05/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	1	1	0	0	0	0	3
6	0	0	0	0	0	3	1	0	0	0	0	0	0	4
7	0	0	0	0	2	11	3	4	0	0	0	0	0	20
8	0	0	0	0	3	4	6	0	0	0	0	0	0	13
9	0	0	0	0	6	4	0	0	0	0	0	0	0	10
10	0	0	0	0	4	2	0	0	0	0	0	0	0	6
11	0	0	0	2	0	5	1	0	0	0	0	0	0	8
12	0	0	0	0	1	9	3	0	0	0	0	0	0	13
13	0	0	0	2	2	1	0	1	0	0	0	0	0	6
14	0	0	0	1	1	7	0	0	0	0	0	0	0	9
15	0	0	0	1	1	4	2	0	0	0	0	0	0	8
16	0	0	0	0	1	1	2	0	0	0	0	0	0	4
17	0	0	0	2	2	5	1	1	0	0	0	0	0	11
18	0	0	0	2	1	1	0	1	0	0	0	0	0	5
19	0	0	0	0	2	2	1	2	1	0	0	0	0	8
20	0	0	0	0	2	2	0	0	0	0	0	0	0	4
21	0	0	0	0	0	1	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	0	0	10	24	54	18	7	0	0	0	0	0	113
Ranges:	6-22	0	0	10	28	62	21	9	1	0	0	0	0	131
	6-24	0	0	10	28	62	21	9	1	0	0	0	0	131
	0-24	0	0	10	28	63	21	10	2	0	0	0	0	134

St Asaph, Denbighshire - ATC 2 - Unnamed Road

Produced by Streetwise Services Ltd.

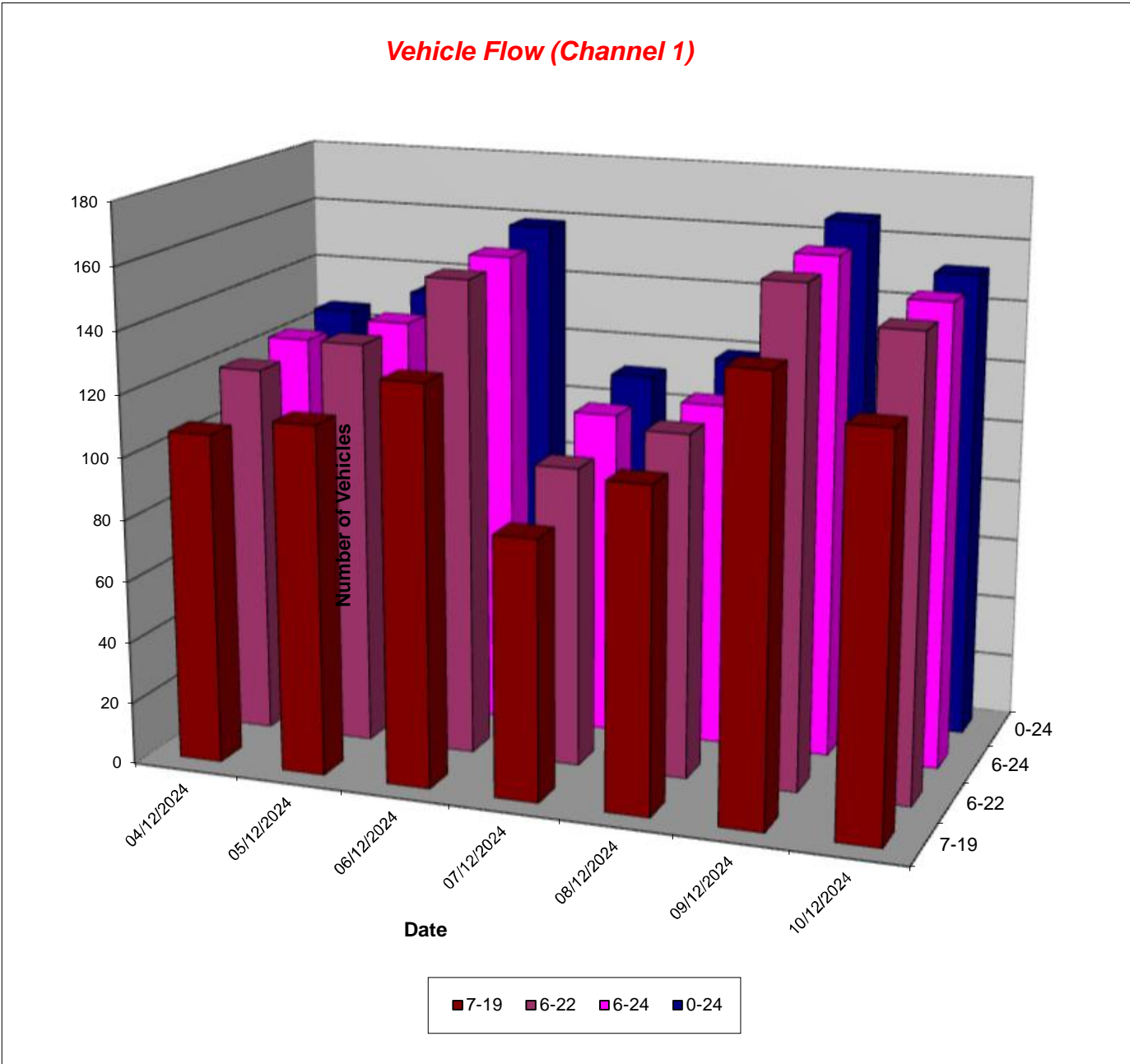


Channel - Northbound

Vehicle Flow

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5 Day Ave	7 Day Ave
0	0	0	0	1	1	3	1	0	1	2
1	0	0	0	0	0	2	0	0	-	2
2	0	0	0	0	0	0	0	0	-	-
3	0	0	0	0	0	1	1	0	1	1
4	0	0	0	1	1	1	0	0	1	1
5	0	3	3	2	3	0	3	2	3	3
6	0	9	4	5	1	0	8	8	7	6
7	0	16	20	16	2	3	10	14	15	12
8	0	6	13	12	4	0	21	13	13	12
9	0	11	10	7	4	9	11	13	10	9
10	0	16	6	12	6	10	9	17	12	11
11	0	5	8	9	8	11	12	9	9	9
12	0	8	13	11	8	17	13	10	11	11
13	0	5	6	17	10	13	14	8	10	10
14	0	12	9	8	12	8	9	9	9	10
15	0	6	8	11	9	14	13	8	9	10
16	0	12	4	8	4	1	12	10	9	7
17	0	6	11	9	8	12	10	9	9	9
18	0	4	5	9	9	6	7	7	6	7
19	0	3	8	7	10	0	6	9	7	7
20	0	1	4	8	0	6	4	3	4	4
21	0	0	2	5	2	1	1	1	2	2
22	0	2	0	0	3	1	2	2	2	2
23	0	1	0	1	6	0	0	0	1	3

Hour Ranges:	7-19	6-22	6-24	0-24
	107	113	129	84
	104	141	127	123
	120	131	154	97
	111	160	148	143
	123	131	155	106
	112	162	150	144
	126	134	159	111
	119	167	152	148
				115
				132
				134
				138



Channel - Southbound

Vehicle Flow

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5 Day Ave	7 Day Ave
0	0	0	1	0	0	4	0	0	1	3
1	0	0	0	0	1	2	0	0	-	2
2	0	0	0	0	2	0	0	1	1	2
3	0	0	0	0	1	0	1	0	1	1
4	0	0	0	0	0	0	0	0	-	-
5	0	1	1	1	1	0	1	2	1	1
6	0	3	2	3	0	0	2	1	2	2

St Asaph, Denbighshire - ATC 2 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

Average Speed

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	-	32.3	31.1	28.1	48.2	-
1	0	-	-	-	-	30.3	-	-
2	0	-	-	-	-	-	-	-
3	0	-	-	-	-	37.5	31.6	-
4	0	-	-	28.8	30.1	19.2	-	-
5	0	35.6	35.7	38.3	30.4	-	31.9	38.1
6	0	28.1	29.2	26.3	31.0	-	29.7	29.2
7	0	28.4	30.6	28.6	23.6	31.1	30.8	30.4
8	0	27.1	29.2	29.3	18.1	-	27.9	29.3
9	0	24.5	24.9	29.4	18.0	26.4	26.4	27.3
10	0	26.7	25.6	26.1	19.6	25.8	25.4	26.8
11	0	28.0	25.7	27.9	20.6	28.8	27.6	29.6
12	0	24.5	29.1	28.6	24.0	27.8	27.3	30.6
13	0	25.6	25.6	27.6	20.7	26.8	27.5	30.3
14	0	26.0	26.1	28.2	23.6	27.8	21.5	27.8
15	0	30.3	27.3	27.3	26.0	26.6	24.9	27.4
16	0	28.1	29.6	29.4	25.4	39.1	24.3	27.5
17	0	30.7	25.9	26.2	24.7	30.1	27.9	29.5
18	0	26.9	24.8	29.7	28.7	33.1	31.2	29.3
19	0	29.9	31.5	33.5	29.1	-	32.0	30.2
20	0	28.2	24.5	31.2	-	27.5	25.9	26.2
21	0	-	30.0	26.4	31.2	25.6	26.4	23.7
22	0	31.0	-	-	31.8	25.5	35.3	39.2
23	0	15.0	-	40.1	28.8	-	-	-

Hour Ranges:	10-12	27.0	25.6	26.8	20.2	27.4	26.7	27.8
	14-16	27.4	26.7	27.7	24.6	27.0	23.5	27.6
	0-24	27.4	28.0	28.6	24.8	28.0	27.5	29.0

7 Day Ave 27.7

Channel - Northbound

85th Percentile

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	-	32.3	31.1	30.8	48.2	-
1	0	-	-	-	-	30.9	-	-
2	0	-	-	-	-	-	-	-
3	0	-	-	-	-	37.5	31.6	-
4	0	-	-	28.8	30.1	19.2	-	-
5	0	41.2	40.8	42.8	35.7	-	35.4	43.9
6	0	32.1	31.0	29.6	31.0	-	32.1	32.7
7	0	30.0	37.2	30.9	23.9	34.9	38.5	35.9
8	0	30.8	32.9	34.4	23.5	-	31.3	32.1
9	0	27.1	28.2	35.5	20.6	31.8	30.1	30.3
10	0	30.7	28.1	30.2	24.1	30.3	30.9	29.0
11	0	30.8	29.6	30.5	24.3	33.1	30.2	32.8
12	0	26.6	30.8	31.2	29.9	31.3	31.0	39.4
13	0	29.1	30.4	30.2	24.1	29.1	33.6	36.5
14	0	29.1	28.1	33.2	28.1	32.7	28.5	33.0
15	0	32.5	32.0	31.0	28.6	31.9	30.1	31.0
16	0	29.9	32.6	33.5	28.0	39.1	27.7	34.3
17	0	38.2	31.1	28.8	26.2	36.6	33.6	32.9
18	0	32.2	32.8	33.1	33.8	35.3	34.0	33.7
19	0	32.3	37.3	36.9	33.1	-	40.3	34.7
20	0	28.2	27.6	34.5	-	33.0	27.1	29.1
21	0	-	30.4	29.7	32.8	25.6	26.4	23.7
22	0	33.6	-	-	32.8	25.5	36.6	41.4
23	0	15.0	-	40.1	36.2	-	-	-

Hour Ranges:	10-12	30.9	29.6	30.5	24.5	33.0	31.0	31.4
	14-16	30.9	30.1	31.9	28.7	32.6	28.8	32.6
	0-24	31.8	32.7	33.3	30.8	33.2	33.4	34.4

7 Day Ave 33.1

Channel - Southbound

Average Speed

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	31.1	-	-	26.8	-	-
1	0	-	-	-	24.6	27.0	-	-
2	0	-	-	-	32.3	-	-	30.6
3	0	-	-	-	33.0	-	32.9	-
4	0	-	-	-	-	-	-	-
5	0	22.9	30.9	21.0	29.8	-	21.1	30.5
6	0	26.5	27.7	25.1	-	-	32.4	32.0
7	0	25.4	25.8	30.6	20.5	-	25.4	27.5
8	0	25.6	24.9	28.4	25.6	22.4	25.7	24.5
9	0	23.2	22.1	23.5	17.8	22.5	26.1	26.0
10	0	24.0	28.1	26.7	18.8	28.4	24.3	23.0
11	0	25.7	25.2	25.7	20.1	26.9	23.8	26.4
12	0	26.9	24.4	26.5	20.2	23.2	26.7	27.1
13	0	23.4	26.3	24.1	20.2	23.3	22.0	25.8
14	0	21.4	22.7	25.0	22.4	26.2	26.3	29.6
15	0	23.5	22.1	27.8	22.7	24.1	24.8	24.4
16	0	27.1	24.1	26.7	26.4	27.8	27.0	25.0
17	0	27.3	26.7	29.6	29.8	31.7	27.9	29.1
18	0	31.1	26.8	29.0	28.5	31.0	30.5	31.4
19	0	25.7	30.1	28.0	31.3	26.7	31.5	30.3
20	0	34.6	30.7	31.6	22.0	32.1	31.1	28.7
21	0	29.8	31.1	26.4	29.4	30.1	31.9	27.4
22	0	30.9	25.0	21.0	29.5	23.1	25.7	30.1
23	0	-	26.1	24.6	27.2	42.0	-	-

Hour Ranges:	10-12	24.5	26.4	26.1	19.7	27.6	24.0	24.5
	14-16	22.6	22.3	26.1	22.6	25.1	25.5	26.2
	0-24	25.6	25.5	26.5	24.8	26.7	26.6	27.1

7 Day Ave 26.2

St Asaph, Denbighshire - ATC 2 - Unnamed Road

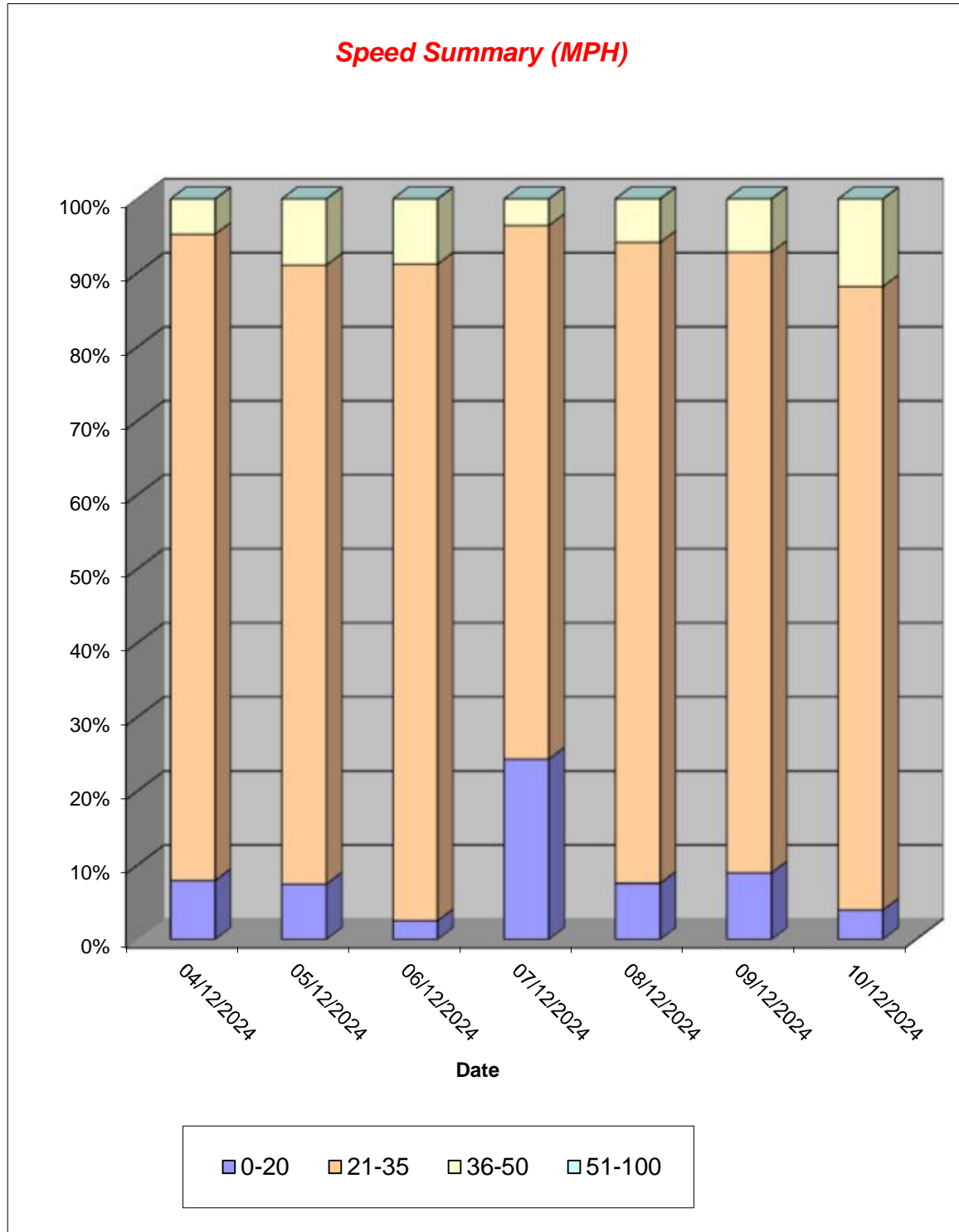
Produced by Streetwise Services Ltd.



Channel - Northbound

Speed Summary

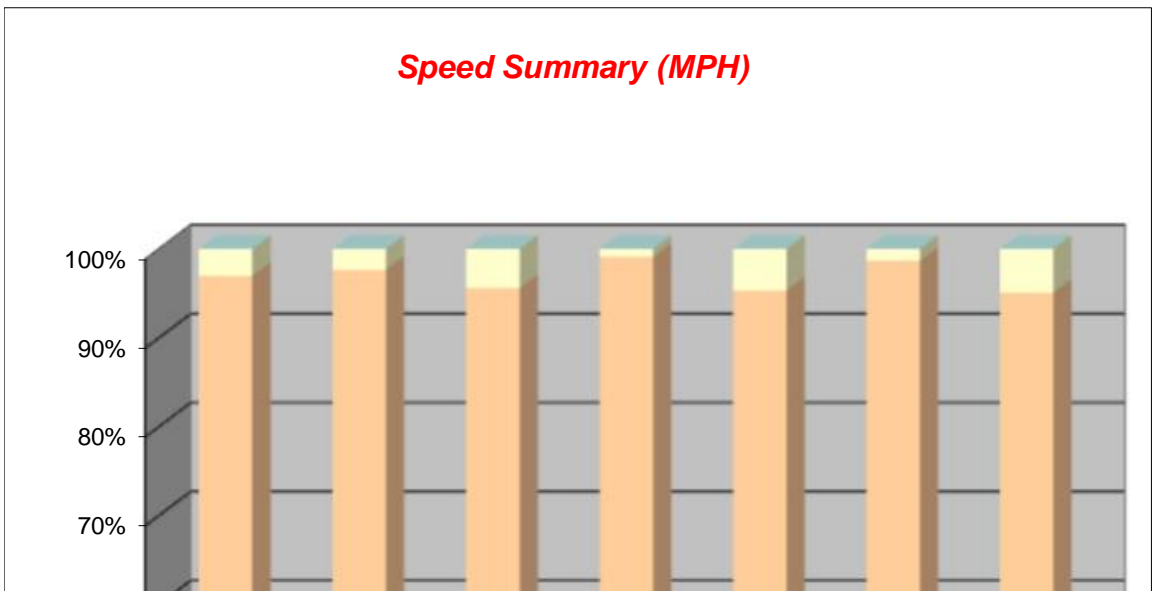
	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Speed (MPH)	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
0-20	10	10	4	27	9	15	6
21-35	110	112	141	80	103	140	128
36-50	6	12	14	4	7	12	18
51-100	0	0	0	0	0	0	0
TOTAL	126	134	159	111	119	167	152



Channel - Southbound

Speed Summary

	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Speed (MPH)	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
0-20	22	15	17	29	7	16	12
21-35	106	109	135	81	95	131	123
36-50	4	3	7	1	5	2	7
51-100	0	0	0	0	0	0	0
TOTAL	132	127	159	111	107	149	142



St Asaph, Denbighshire - ATC 2 - Unnamed Road

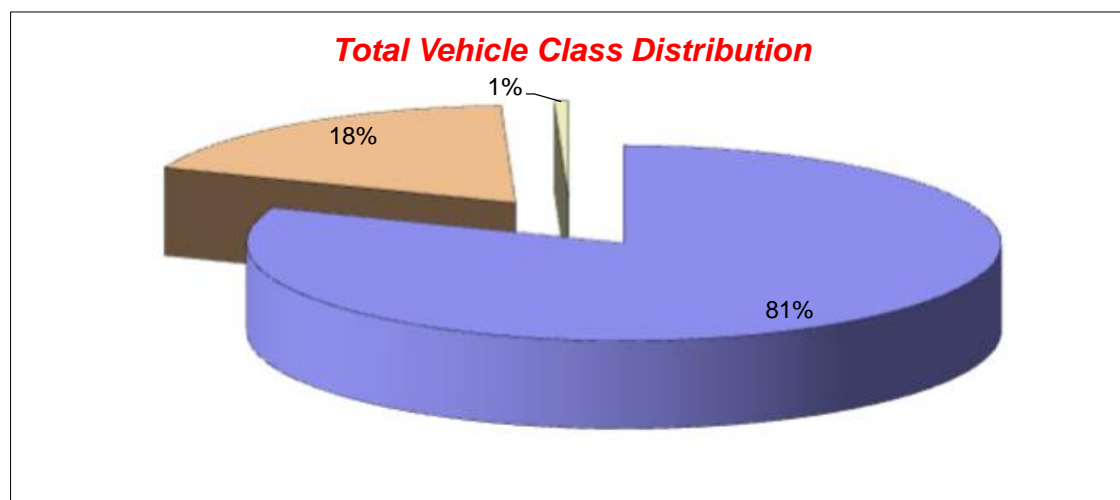
Produced by Streetwise Services Ltd.



Channel - Northbound

Vehicle Class

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
04/12/2024				
7-19	89	18	0	107
6-22	97	23	0	120
6-24	100	23	0	123
0-24	103	23	0	126
05/12/2024				
7-19	92	21	0	113
6-22	107	24	0	131
6-24	107	24	0	131
0-24	110	24	0	134
06/12/2024				
7-19	99	30	0	129
6-22	120	34	0	154
6-24	120	35	0	155
0-24	124	35	0	159
07/12/2024				
7-19	75	9	0	84
6-22	84	13	0	97
6-24	91	15	0	106
0-24	95	16	0	111
08/12/2024				
7-19	91	12	1	104
6-22	98	12	1	111
6-24	98	13	1	112
0-24	102	16	1	119
09/12/2024				
7-19	113	25	3	141
6-22	125	32	3	160
6-24	127	32	3	162
0-24	131	33	3	167
10/12/2024				
7-19	100	25	2	127
6-22	114	32	2	148
6-24	116	32	2	150
0-24	118	32	2	152
Average				
7-19	94	20	1	115
6-22	106	24	1	132
6-24	108	25	1	134
0-24	112	26	1	138



Channel - Southbound

Vehicle Class

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
04/12/2024				
7-19	90	24	1	115
6-22	101	27	1	129
6-24	103	27	1	131
0-24	103	28	1	132
05/12/2024				
7-19	80	21	0	101
6-22	96	24	0	120
6-24	100	25	0	125
0-24	102	25	0	127
06/12/2024				
7-19	102	23	1	126
6-22	120	28	1	149
6-24	128	29	1	158
0-24	129	29	1	159
07/12/2024				
7-19	55	21	0	76
6-22	68	27	0	95
6-24	74	32	0	106
0-24	78	33	0	111
08/12/2024				
7-19	73	11	1	85
6-22	87	11	1	99
6-24	88	12	1	101
0-24	92	14	1	107
09/12/2024				
7-19	97	28	0	125
6-22	114	31	0	145
6-24	116	31	0	147
0-24	117	32	0	149
10/12/2024				
7-19	94	22	2	118
6-22	105	26	2	133

Channel - Southbound

Thursday 05/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
9	0	8	1	0	0	0	0	0	0	0	0	0	0	0	9
10	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
11	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
12	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
13	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
14	0	5	0	0	0	2	0	0	0	0	0	0	0	0	7
15	0	11	3	0	0	1	0	0	0	0	0	0	0	0	15
16	0	16	3	0	0	0	0	0	0	0	0	0	0	0	19
17	0	13	5	0	0	0	0	0	0	0	0	0	0	0	18
18	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
19	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
20	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
23	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2

Hour Ranges:	7-19	80	18	0	0	3	0	0	0	0	0	0	0	0	101
	6-22	96	21	0	0	3	0	0	0	0	0	0	0	0	120
	6-24	100	22	0	0	3	0	0	0	0	0	0	0	0	125
	0-24	102	22	0	0	3	0	0	0	0	0	0	0	0	127

Channel - Northbound

Friday 06/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
7	0	11	5	0	0	0	0	0	0	0	0	0	0	0	16
8	0	11	1	0	0	0	0	0	0	0	0	0	0	0	12
9	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
10	0	8	4	0	0	0	0	0	0	0	0	0	0	0	12
11	0	6	3	0	0	0	0	0	0	0	0	0	0	0	9
12	0	9	2	0	0	0	0	0	0	0	0	0	0	0	11
13	0	12	4	0	0	1	0	0	0	0	0	0	0	0	17
14	0	6	1	0	0	1	0	0	0	0	0	0	0	0	8
15	0	10	1	0	0	0	0	0	0	0	0	0	0	0	11
16	0	5	3	0	0	0	0	0	0	0	0	0	0	0	8
17	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
18	0	8	1	0	0	0	0	0	0	0	0	0	0	0	9
19	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
20	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
21	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1

Hour Ranges:	7-19	99	28	0	0	2	0	0	0	0	0	0	0	0	129
	6-22	120	32	0	0	2	0	0	0	0	0	0	0	0	154
	6-24	120	33	0	0	2	0	0	0	0	0	0	0	0	155
	0-24	124	33	0	0	2	0	0	0	0	0	0	0	0	159

Channel - Southbound

Friday 06/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
8	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
9	0	8	1	0	0	0	0	0	0	0	0	0	0	0	9
10	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
11	0	8	2	0	0	0	0	0	0	0	0	0	0	0	10
12	0	10	3	0	0	0	0	0	0	0	0	0	0	0	13
13	0	13	2	0	0	1	0	0	0	1	0	0	0	0	17
14	0	10	1	0	0	1	0	0	0	0	0	0	0	0	12
15	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
16	0	17	3	1	0	0	0	0	0	0	0	0	0	0	21
17	0	12	3	0	0	0	0	0	0	0	0	0	0	0	15
18	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7
19	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
20	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
21	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
22	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
23	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5

Hour Ranges:	7-19	102	20	1	0	2	0	0	0	1	0	0	0	0	126
	6-22	120	25	1	0	2	0	0	0	1	0	0	0	0	149
	6-24	128	26	1	0	2	0	0	0	1	0	0	0	0	158
	0-24	129	26	1	0	2	0	0	0	1	0	0	0	0	159

Channel - Northbound

Saturday 07/12/2024		Vehicle Classes													TOTAL
Hour	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL

Channel - Southbound

Thursday 05/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	0	0	0	0	0	1
6	0	0	0	0	1	1	0	0	0	0	0	0	0	2
7	0	0	0	0	0	1	0	0	0	0	0	0	0	1
8	0	0	0	1	2	1	1	0	0	0	0	0	0	5
9	0	0	0	2	7	0	0	0	0	0	0	0	0	9
10	0	0	0	0	1	3	1	0	0	0	0	0	0	5
11	0	0	0	1	2	4	0	0	0	0	0	0	0	7
12	0	0	0	1	3	3	0	0	0	0	0	0	0	7
13	0	0	0	0	3	1	1	0	0	0	0	0	0	5
14	0	0	1	1	2	3	0	0	0	0	0	0	0	7
15	0	0	1	2	11	1	0	0	0	0	0	0	0	15
16	0	0	0	3	9	5	2	0	0	0	0	0	0	19
17	0	0	0	2	3	10	3	0	0	0	0	0	0	18
18	0	0	0	0	1	2	0	0	0	0	0	0	0	3
19	0	0	0	0	3	4	1	1	1	0	0	0	0	10
20	0	0	0	0	1	3	1	0	1	0	0	0	0	6
21	0	0	0	0	0	0	1	0	0	0	0	0	0	1
22	0	0	0	0	2	1	0	0	0	0	0	0	0	3
23	0	0	0	0	1	1	0	0	0	0	0	0	0	2

Hour	7-19	0	2	13	44	34	8	0	0	0	0	0	0	101
Ranges:	6-22	0	2	13	49	42	11	1	2	0	0	0	0	120
	6-24	0	2	13	52	44	11	1	2	0	0	0	0	125
	0-24	0	2	13	52	44	13	1	2	0	0	0	0	127

Channel - Northbound

Friday 06/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	1	0	1	0	0	0	0	2
6	0	0	0	1	1	2	1	0	0	0	0	0	0	5
7	0	0	0	0	2	10	3	1	0	0	0	0	0	16
8	0	0	0	1	2	4	3	2	0	0	0	0	0	12
9	0	0	0	0	2	3	1	1	0	0	0	0	0	7
10	0	0	0	1	6	4	0	1	0	0	0	0	0	12
11	0	0	0	0	3	4	1	1	0	0	0	0	0	9
12	0	0	0	0	4	4	2	0	1	0	0	0	0	11
13	0	0	0	0	5	10	2	0	0	0	0	0	0	17
14	0	0	0	0	3	3	2	0	0	0	0	0	0	8
15	0	0	0	1	2	5	3	0	0	0	0	0	0	11
16	0	0	0	0	1	3	3	1	0	0	0	0	0	8
17	0	0	0	0	5	3	1	0	0	0	0	0	0	9
18	0	0	0	0	3	2	3	0	1	0	0	0	0	9
19	0	0	0	0	0	2	3	2	0	0	0	0	0	7
20	0	0	0	0	0	3	4	1	0	0	0	0	0	8
21	0	0	0	0	3	1	1	0	0	0	0	0	0	5
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	0	0	0	0	0	1

Hour	7-19	0	0	3	38	55	24	7	2	0	0	0	0	129
Ranges:	6-22	0	0	4	42	63	33	10	2	0	0	0	0	154
	6-24	0	0	4	42	63	33	11	2	0	0	0	0	155
	0-24	0	0	4	42	64	35	11	3	0	0	0	0	159

Channel - Southbound

Friday 06/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	0	0	0	0	0	0	0	0	1
6	0	0	0	0	2	1	0	0	0	0	0	0	0	3
7	0	0	0	0	0	1	1	0	0	0	0	0	0	2
8	0	0	0	0	1	3	1	0	0	0	0	0	0	5
9	0	0	0	2	5	2	0	0	0	0	0	0	0	9
10	0	0	0	1	2	2	2	0	0	0	0	0	0	7
11	0	0	0	2	2	5	1	0	0	0	0	0	0	10
12	0	0	0	1	2	8	1	1	0	0	0	0	0	13
13	0	0	0	2	11	3	0	1	0	0	0	0	0	17
14	0	0	0	2	4	5	1	0	0	0	0	0	0	12
15	0	0	0	1	0	4	3	0	0	0	0	0	0	8
16	0	0	0	0	8	10	2	1	0	0	0	0	0	21
17	0	0	0	0	2	8	3	0	2	0	0	0	0	15
18	0	0	0	1	1	3	1	1	0	0	0	0	0	7
19	0	0	0	0	2	3	1	1	0	0	0	0	0	7
20	0	0	0	0	0	2	3	0	0	0	0	0	0	5
21	0	0	1	1	1	2	3	0	0	0	0	0	0	8
22	0	0	0	2	2	0	0	0	0	0	0	0	0	4
23	0	0	1	0	1	3	0	0	0	0	0	0	0	5

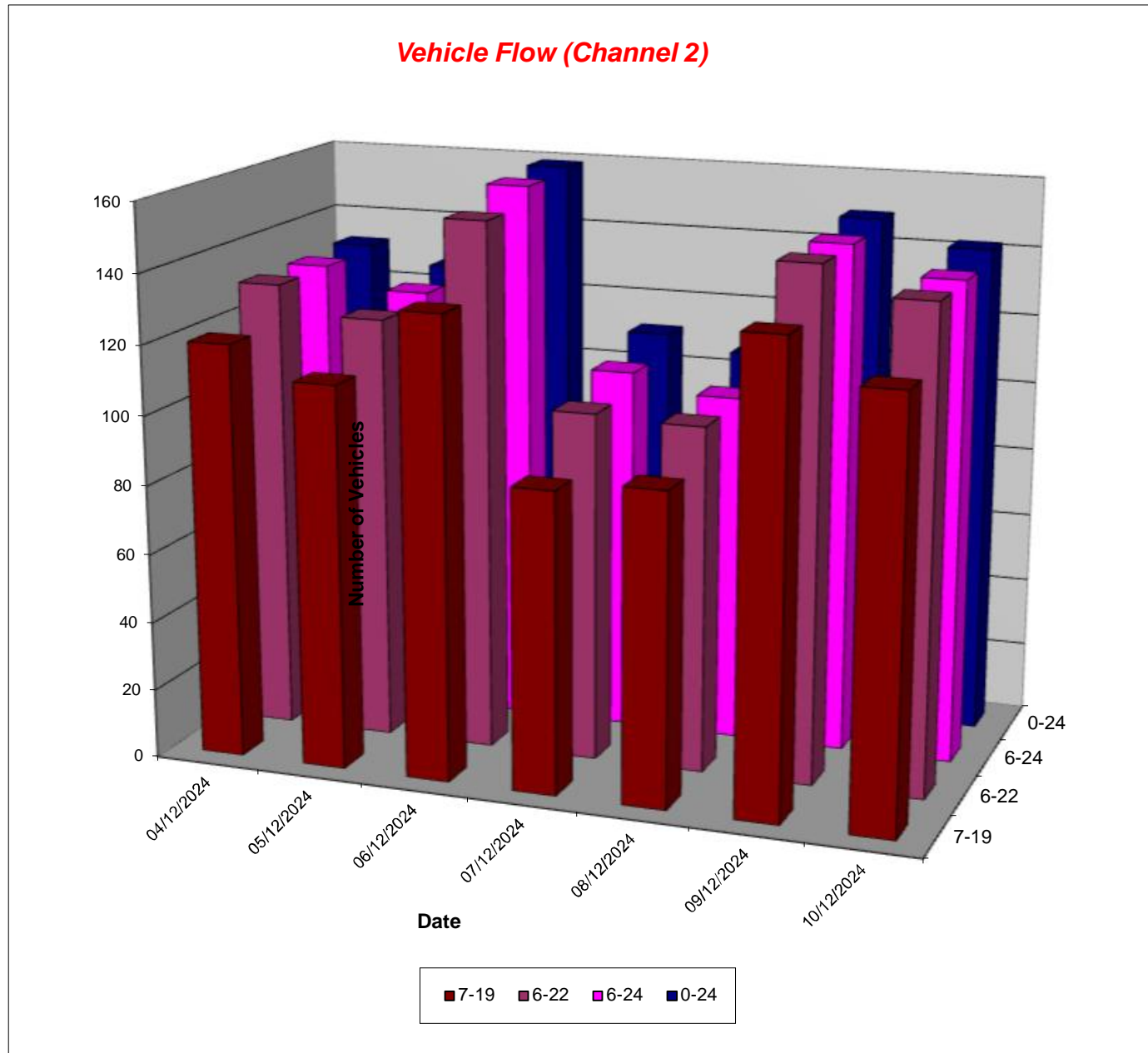
Hour	7-19	0	0	12	38	54	16	4	2	0	0	0	0	126
Ranges:	6-22	0	1	13	43	62	23	5	2	0	0	0	0	149
	6-24	0	2	15	46	65	23	5	2	0	0	0	0	158
	0-24	0	2	15	47	65	23	5	2	0	0	0	0	159

Channel - Northbound

Saturday 07/12/2024		Vehicle Speeds (MPH)												TOTAL
Hour	Min	0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	

7	0	4	1	2	1	0	5	2	3	3
8	0	4	5	5	1	1	7	8	6	4
9	0	14	9	9	5	9	7	15	11	10
10	0	9	5	7	5	7	8	10	8	7
11	0	4	7	10	12	8	11	8	8	9
12	0	9	7	13	5	7	12	6	9	8
13	0	7	5	17	7	3	9	10	10	8
14	0	14	7	12	7	15	13	6	10	11
15	0	17	15	8	10	16	16	12	14	13
16	0	13	19	21	5	9	16	12	16	14
17	0	11	18	15	5	4	16	18	16	12
18	0	9	3	7	13	6	5	11	7	8
19	0	5	10	7	11	5	9	4	7	7
20	0	5	6	5	6	4	8	5	6	6
21	0	1	1	8	2	5	1	5	3	3
22	0	2	3	4	6	1	2	6	3	3
23	0	0	2	5	5	1	0	0	4	3

Hour	7-19	120	111	133	87	90	134	122	124	114
Ranges:	6-22	131	123	153	101	100	147	139	139	128
	6-24	131	125	158	108	101	147	139	140	130
	0-24	132	127	159	111	107	149	142	142	132



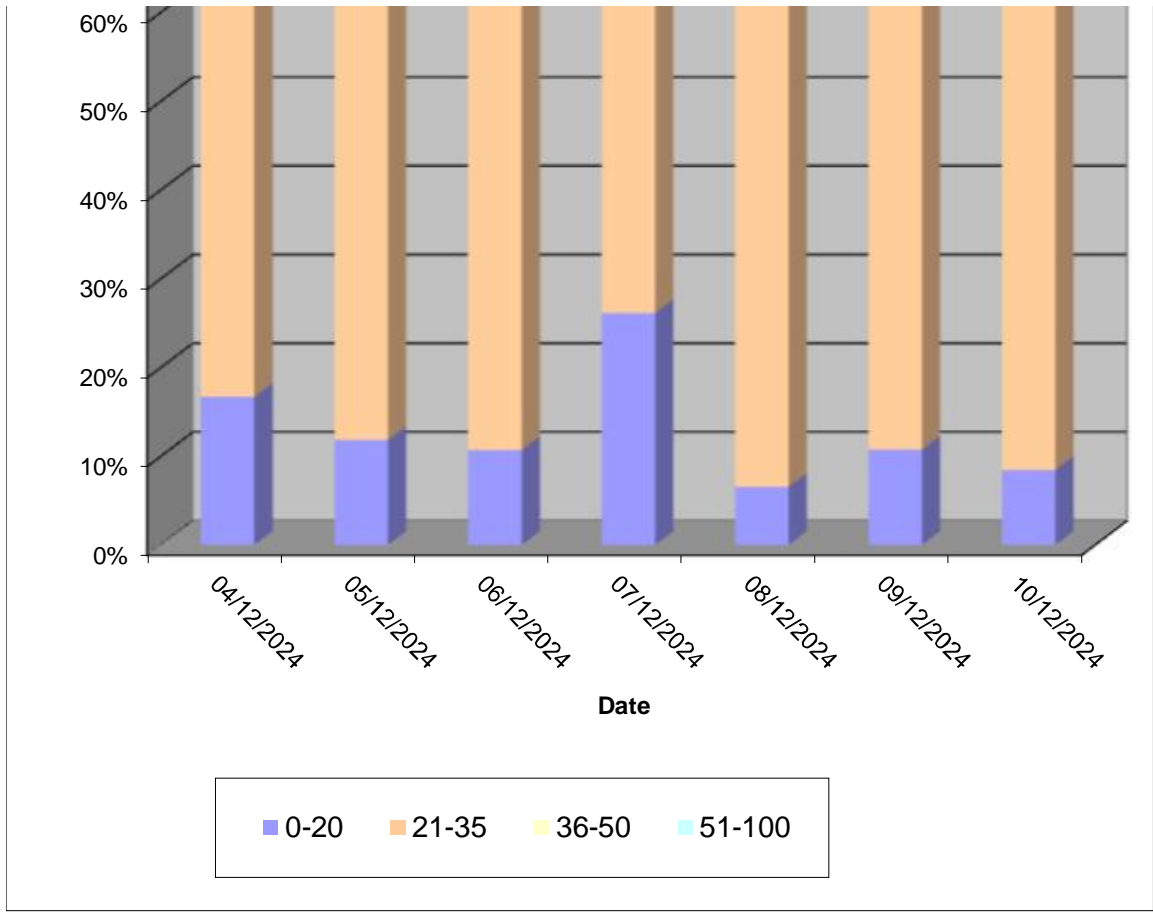
Channel - Southbound

85th Percentile

Hour	Min	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday
0	0	-	31.1	-	-	31.2	-	-
1	0	-	-	-	24.6	30.0	-	-
2	0	-	-	-	32.6	-	-	30.6
3	0	-	-	-	33.0	-	32.9	-
4	0	-	-	-	-	-	-	-
5	0	22.9	30.9	21.0	29.8	-	21.1	36.5
6	0	30.8	29.4	26.4	-	-	33.0	32.0
7	0	28.3	25.8	31.3	20.5	-	32.2	27.7
8	0	27.3	29.5	30.6	25.6	22.4	29.9	27.7
9	0	26.5	25.1	25.8	22.0	23.6	27.3	30.0
10	0	29.0	30.6	34.5	21.5	30.7	26.8	27.9
11	0	29.3	28.2	28.2	22.6	29.2	27.6	28.7
12	0	30.0	27.9	28.8	21.8	30.4	30.0	29.0
13	0	25.9	29.7	26.9	25.2	28.4	26.8	28.2
14	0	27.6	29.2	28.9	24.8	29.7	32.6	31.9
15	0	29.1	24.9	31.8	24.9	28.3	29.2	29.9
16	0	31.2	28.2	29.5	29.1	31.9	31.6	30.4
17	0	33.6	30.7	33.7	32.2	32.2	32.4	31.9
18	0	34.0	28.6	32.6	31.3	34.3	34.4	34.7
19	0	28.8	36.0	31.3	33.0	28.4	33.3	32.2
20	0	41.4	36.0	34.5	26.6	35.0	35.1	32.1
21	0	29.8	31.1	32.2	32.2	34.0	31.9	29.5
22	0	32.7	28.0	22.5	33.8	23.1	30.7	33.3
23	0	-	28.5	29.2	31.8	42.0	-	-

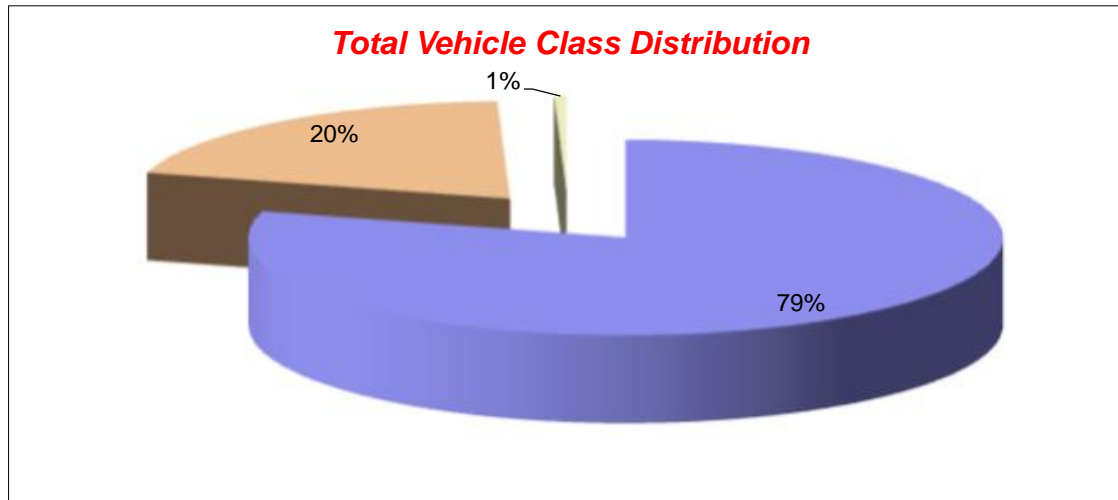
Hour Ranges:	10-12	29.3	28.9	32.4	22.9	29.9	27.4	28.5
	14-16	28.4	25.8	31.1	24.9	29.5	30.6	30.4
	0-24	31.2	29.9	31.5	31.9	31.9	32.4	31.4

7 Day Ave	31.7
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6-24	111	26	2	139
0-24	114	26	2	142

Average				
7-19	84	21	1	107
6-22	99	25	1	124
6-24	103	26	1	130
0-24	105	27	1	132



4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	8
7	0	10	3	0	0	1	0	0	0	0	0	0	0	0	0	14
8	0	11	1	0	0	0	0	0	0	0	0	0	0	1	0	13
9	0	11	2	0	0	0	0	0	0	0	0	0	0	0	0	13
10	0	10	5	1	0	0	0	0	0	0	0	0	0	1	0	17
11	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
12	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
13	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	8
14	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
15	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	8
16	0	7	2	0	0	0	0	0	1	0	0	0	0	0	0	10
17	0	7	1	0	0	0	0	0	1	0	0	0	0	0	0	9
18	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	7
19	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9
20	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	100	21	1	0	1	0	0	2	0	0	0	2	0	127
Ranges:	6-22	114	28	1	0	1	0	0	2	0	0	0	2	0	148
	6-24	116	28	1	0	1	0	0	2	0	0	0	2	0	150
	0-24	118	28	1	0	1	0	0	2	0	0	0	2	0	152

Channel - Southbound

Tuesday		Vehicle Classes													TOTAL
10/12/2024		1	2	3	4	5	6	7	8	9	10	11	12	13	
Hour	Min														
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
7	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
8	0	6	1	0	0	0	0	0	0	0	0	0	1	0	8
9	0	14	1	0	0	0	0	0	0	0	0	0	0	0	15
10	0	6	2	0	1	0	0	0	1	0	0	0	0	0	10
11	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
12	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6
13	0	7	3	0	0	0	0	0	0	0	0	0	0	0	10
14	0	3	3	0	0	0	0	0	0	0	0	0	0	0	6
15	0	11	1	0	0	0	0	0	0	0	0	0	0	0	12
16	0	10	1	0	0	1	0	0	0	0	0	0	0	0	12
17	0	15	3	0	0	0	0	0	0	0	0	0	0	0	18
18	0	9	2	0	0	0	0	0	0	0	0	0	0	0	11
19	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
20	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
21	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
22	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	94	20	0	1	1	0	0	1	0	0	0	1	0	118
Ranges:	6-22	105	24	0	1	1	0	0	1	0	0	0	1	0	133
	6-24	111	24	0	1	1	0	0	1	0	0	0	1	0	139
	0-24	114	24	0	1	1	0	0	1	0	0	0	1	0	142

4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	0	0	1	0	0	0	2
6	0	0	0	1	0	4	2	1	0	0	0	0	0	8
7	0	0	0	0	3	4	3	4	0	0	0	0	0	14
8	0	0	0	0	3	3	6	1	0	0	0	0	0	13
9	0	0	0	0	4	8	1	0	0	0	0	0	0	13
10	0	0	0	0	4	12	1	0	0	0	0	0	0	17
11	0	0	0	0	2	3	3	1	0	0	0	0	0	9
12	0	0	0	0	3	3	2	0	2	0	0	0	0	10
13	0	0	0	0	1	4	1	2	0	0	0	0	0	8
14	0	0	0	1	2	3	3	0	0	0	0	0	0	9
15	0	0	0	1	2	3	2	0	0	0	0	0	0	8
16	0	0	0	2	3	2	2	0	1	0	0	0	0	10
17	0	0	0	0	1	5	2	1	0	0	0	0	0	9
18	0	0	0	1	1	1	3	0	0	1	0	0	0	7
19	0	0	0	0	0	6	2	1	0	0	0	0	0	9
20	0	0	0	0	1	2	0	0	0	0	0	0	0	3
21	0	0	0	0	1	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	1	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	0	0	5	29	51	29	9	3	1	0	0	0	127
Ranges:	6-22	0	0	6	31	63	33	11	3	1	0	0	0	148
	6-24	0	0	6	31	63	33	12	4	1	0	0	0	150
	0-24	0	0	6	31	64	33	12	4	2	0	0	0	152

Channel - Southbound

Tuesday		Vehicle Speeds (MPH)												TOTAL
10/12/2024		0-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-60	61-70	71-100	
Hour	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	0	0	1	0	0	0	0	0	2
6	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7	0	0	0	0	0	2	0	0	0	0	0	0	0	2
8	0	0	0	2	1	5	0	0	0	0	0	0	0	8
9	0	0	0	1	6	6	2	0	0	0	0	0	0	15
10	0	0	2	1	1	6	0	0	0	0	0	0	0	10
11	0	0	0	0	2	6	0	0	0	0	0	0	0	8
12	0	0	0	0	4	1	0	1	0	0	0	0	0	6
13	0	0	0	1	4	4	1	0	0	0	0	0	0	10
14	0	0	0	0	0	4	1	1	0	0	0	0	0	6
15	0	0	0	4	3	4	1	0	0	0	0	0	0	12
16	0	0	0	1	6	3	2	0	0	0	0	0	0	12
17	0	0	0	0	4	9	3	2	0	0	0	0	0	18
18	0	0	0	0	0	5	5	1	0	0	0	0	0	11
19	0	0	0	0	0	1	3	0	0	0	0	0	0	4
20	0	0	0	0	1	1	3	0	0	0	0	0	0	5
21	0	0	0	0	1	4	0	0	0	0	0	0	0	5
22	0	0	0	0	1	3	1	0	1	0	0	0	0	6
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	7-19	0	2	10	31	55	15	5	0	0	0	0	0	118
Ranges:	6-22	0	2	10	33	61	22	5	0	0	0	0	0	133
	6-24	0	2	10	34	64	23	5	1	0	0	0	0	139
	0-24	0	2	10	35	64	24	6	1	0	0	0	0	142

St Asaph, Denbighshire - ATC 2 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	126	134	159	111	119	167	152	148	138
Mean Speed	27.4	28.0	28.6	24.8	28.0	27.5	29.0	28.1	27.6
85%ile Speed	31.8	32.7	33.3	30.8	33.2	33.4	34.4	33.1	32.8
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Channel - Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	132	127	159	111	107	149	142	142	132
Mean Speed	25.6	25.5	26.5	24.8	26.7	26.6	27.1	26.3	26.1
85%ile Speed	31.2	29.9	31.5	31.9	31.9	32.4	31.4	31.3	31.5
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Northbound & Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	258	261	318	222	226	316	294	289	271
Mean Speed	26.5	26.8	27.6	24.8	27.4	27.1	28.1	27.2	26.9
85%ile Speed	31.3	31.4	32.3	31.7	32.6	32.7	32.9	32.1	32.1
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HGV + 3 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic, 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

St Asaph, Denbighshire - ATC 2 - Unnamed Road

Produced by Streetwise Services Ltd.



Channel - Northbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	86	86	114	93	103	114	106	101	100
Mean Speed	27.9	28.9	29.5	27.4	28.5	29.4	29.7	29.1	28.8
85%ile Speed	31.8	31.5	33.3	32.1	32.8	32.9	34.1	32.7	32.6
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Channel - Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	100	84	116	99	93	105	102	101	100
Mean Speed	26.6	27.4	25.5	26.4	27.4	28.5	28.8	27.4	27.2
85%ile Speed	31.0	29.9	31.4	31.8	31.9	32.7	31.8	31.3	31.5
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Northbound & Southbound

	04/12/2024 Wednesday	05/12/2024 Thursday	06/12/2024 Friday	07/12/2024 Saturday	08/12/2024 Sunday	09/12/2024 Monday	10/12/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	186	170	230	192	196	219	208	203	200
Mean Speed	27.8	28.3	27.8	26.9	28.0	29.1	29.3	28.5	28.2
85%ile Speed	31.4	30.5	32.2	31.9	32.4	32.7	32.7	31.9	32.0
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

St,

Prod

Asaph, Denbighshire - ATC 2 - Unnamed Road

uced by Streetwise Services Ltd.

Installation Photo



[Google Map Link](#)

Appendix E

Visibility Splay Calculation – Northern Access

St Asaph Northern Access

Northbound

7-day average	-
Standard deviation	-
85th %ile Speed (mph)	32.8
85th %ile Dry Weather Speed (mph)	35.3
85th %ile Dry Weather Speed (kph)	56.8

SSD = $vt + v^2 / 2d$, therefore.....

Surveyed Speed (mph)	32.8
v = speed (m/s)	14.7
t = driver perception-reaction time (secs)	1.5
d = deceleration (m/s ²)	4.3
SSD (metres) =	47
SSD (metres, adjusted for bonnet length) =	49

Southbound

3-day average	-
Standard deviation	-
85th %ile Speed (mph)	36.4
85th %ile Dry Weather Speed (mph)	38.9
85th %ile Dry Weather Speed (kph)	62.6

SSD = $vt + v^2 / 2d$, therefore.....

Surveyed Speed (mph)	36.4
v = speed (m/s)	16.3
t = driver perception-reaction time (secs)	1.5
d = deceleration (m/s ²)	4.3
SSD (metres) =	55
SSD (metres, adjusted for bonnet length) =	58

Note - speeds obtained from ATC Information are 85th percentile values

Appendix F

Visibility Splay – Northern Access



9 Greyfriars, Reading, Berkshire, RG1 1NU
T: 0118 206 2930
Guildford - London - Reading
www.motion.co.uk

Project:
St Asaph

Title:
**Visibility Splay
Northern Access**

Client:
Anesco Ltd.

Drawing Status:

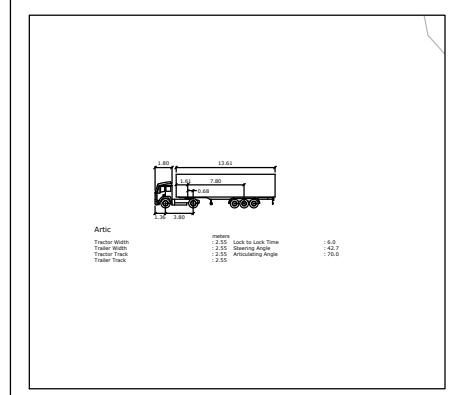
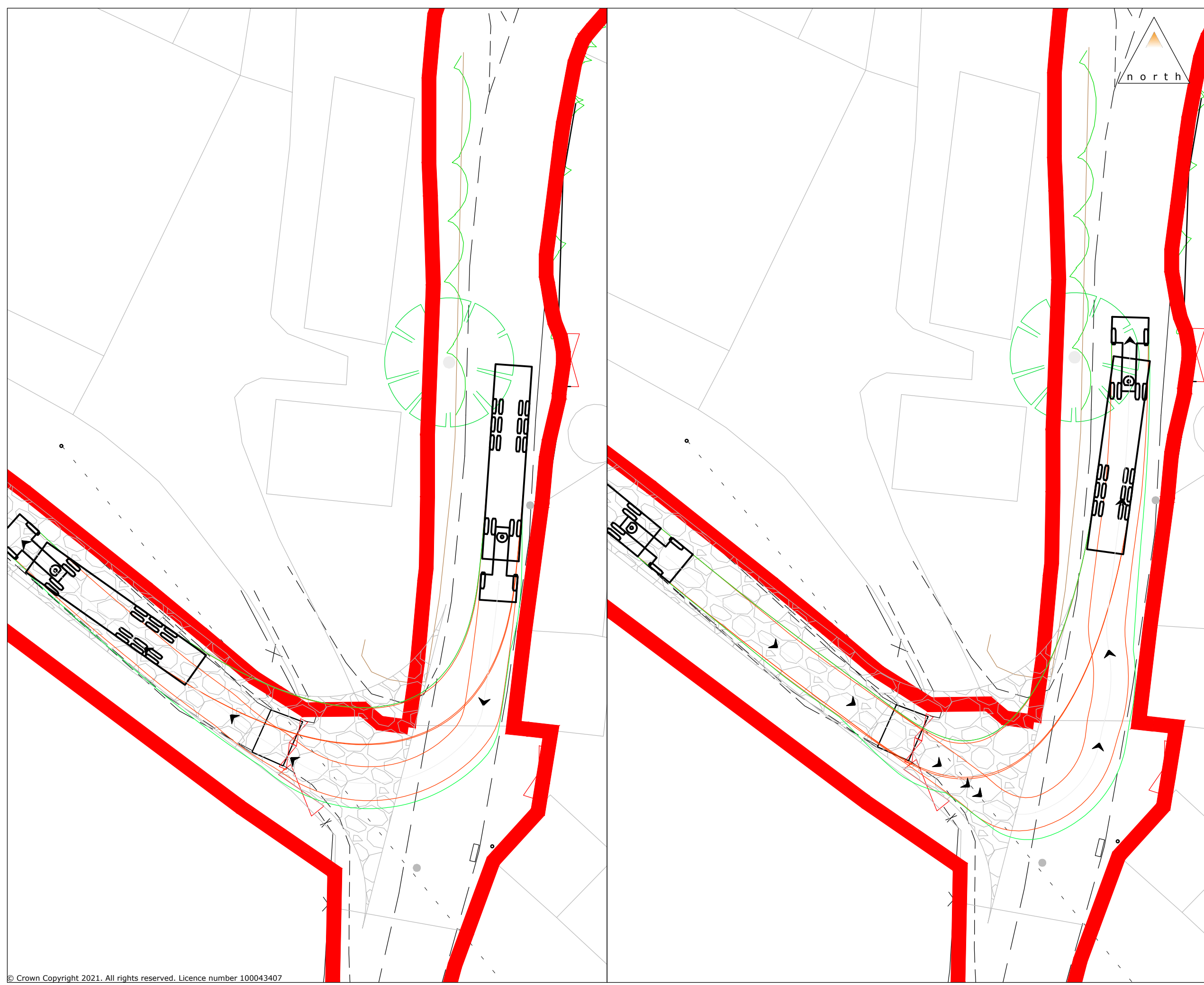
Scale: 1:500 (@ A3) Date: 17/04/2025

Drawn: AN Checked: JNR Approved: JNR

Drawing: **2110010 - 02** Revision: **F**

Appendix G

Swept Path Analysis – 16.5m HGV – Southern Access



9 Greystones, Reading, Berkshire, RG1 1NU
 T: 0118 206 2930
 Guildford - London - Reading
 www.motion.co.uk

Project:	St Asaph
Title:	Swept Path Analysis - 16.5m HGV Southern Access
Client:	Anesco Ltd.
Drawing Status:	
Scale:	1:250 (@ A3)
Date:	17/04/2025
Drawn:	AN
Checked:	JNR
Approved:	JNR
Drawing:	2110010 - TK01
Revision:	D

Appendix H

ATC Data – Southern Access

St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



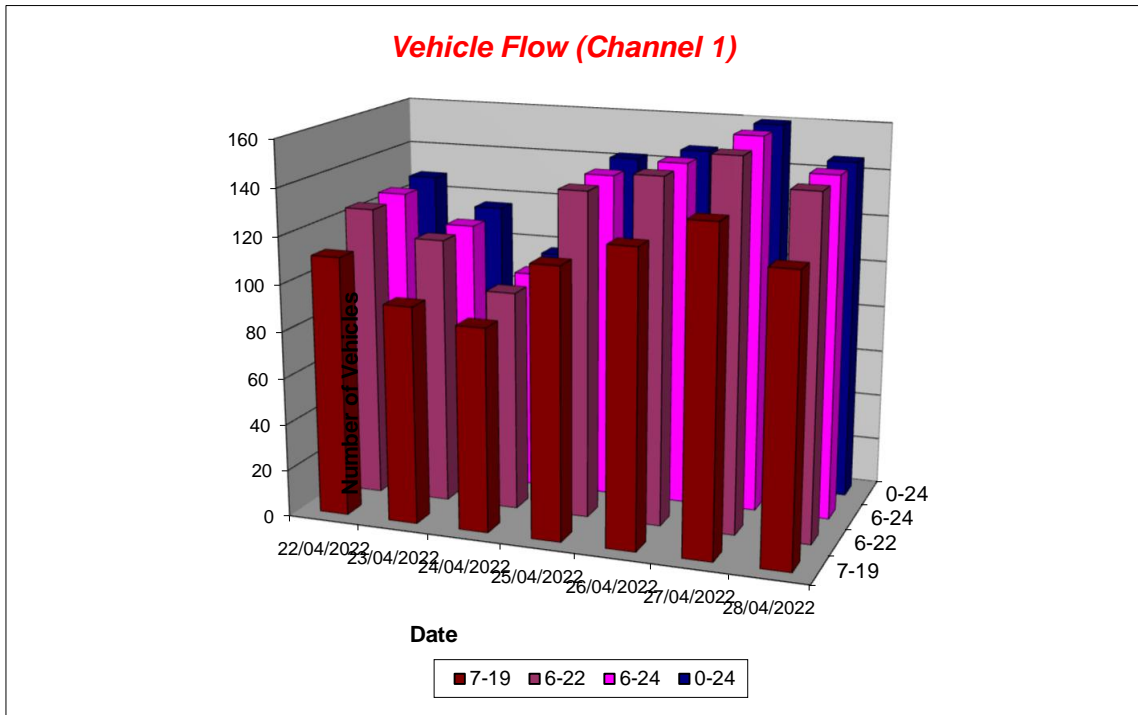
Channel 1 - Northbound

Vehicle Flow

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5 Day Ave	7 Day Ave
1	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	1	0	1	0	0	0	0	0
4	1	0	2	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0
7	4	3	1	6	4	8	8	6	5
8	10	7	3	12	16	10	9	11	10
9	10	8	8	13	19	19	21	16	14
10	6	10	10	7	9	9	11	8	9
11	13	7	10	7	9	7	8	9	9
12	11	10	8	13	14	20	8	13	12
13	7	12	12	7	3	5	6	6	7
14	9	8	3	10	10	13	8	10	9
15	6	7	9	5	16	5	8	8	8
16	10	5	6	20	10	12	12	13	11
17	10	7	5	8	9	13	9	10	9
18	11	8	11	7	4	12	10	9	9
19	8	4	2	6	6	12	11	9	7
20	7	9	5	7	6	4	8	6	7
21	1	3	1	8	7	6	4	5	4
22	2	6	0	3	5	2	4	3	3
23	1	0	0	1	0	1	0	1	0
24	0	0	1	0	0	2	1	1	1

7-19	111	93	87	115	125	137	121	122	113
6-22	125	114	94	139	147	157	145	143	132
6-24	126	114	95	140	147	160	146	144	133
0-24	128	116	97	142	147	160	146	145	134



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 1 - Northbound

Average Speed

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	-	-	25.5	-	-	-
2	-	-	-	-	-	-	-
3	-	25.5	-	38.0	-	-	-
4	25.5	-	25.5	-	-	-	-
5	-	-	-	-	-	-	-
6	25.5	33.0	-	-	-	-	-
7	30.5	30.5	33.0	28.8	29.2	30.2	30.5
8	32.2	30.9	32.2	29.7	31.4	29.8	30.5
9	27.5	28.3	30.2	30.5	30.4	30.2	29.3
10	26.8	28.5	29.0	25.5	28.6	28.8	28.9
11	28.8	27.3	27.8	27.6	27.4	28.7	28.3
12	27.3	29.2	29.2	30.3	28.2	27.2	27.7
13	29.8	28.8	28.8	26.2	28.0	27.0	31.3
14	25.2	32.7	25.5	27.5	27.5	25.9	25.5
15	28.0	27.6	28.0	26.5	30.2	27.0	29.2
16	28.5	23.5	28.0	28.5	31.0	29.9	28.6
17	30.5	24.1	30.5	31.4	28.5	26.5	26.3
18	29.8	27.4	28.9	27.6	31.1	30.3	29.5
19	30.5	31.1	29.2	26.3	28.8	30.1	26.6
20	26.6	27.2	23.5	27.6	26.8	27.4	27.4
21	33.0	27.2	33.0	27.4	25.5	28.0	29.2
22	25.5	28.0	-	37.2	30.0	25.5	29.2
23	25.5	-	-	25.5	-	25.5	-
24	-	-	25.5	-	-	36.8	15.5

10-12	28.1	28.4	28.4	29.4	27.9	27.6	28.0
14-16	28.3	25.9	28.0	28.1	30.5	29.0	28.9
0-24	28.6	28.3	28.6	28.7	29.2	28.6	28.5

7 Day Ave 28.6

85th Percentile

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	-	-	25.8	-	-	-
2	-	-	-	-	-	-	-
3	-	25.6	-	38.6	-	-	-
4	26.2	-	25.5	-	-	-	-
5	-	-	-	-	-	-	-
6	26.0	33.6	-	-	-	-	-
7	38.6	33.5	33.6	38.2	33.5	33.3	38.5
8	38.3	33.3	38.1	33.2	33.9	33.6	33.7
9	33.3	33.6	33.1	33.6	33.4	33.5	33.5
10	38.8	33.6	33.8	25.6	33.7	33.2	33.8
11	33.0	27.4	33.3	33.5	33.5	33.9	33.1
12	33.8	33.3	33.0	38.9	33.5	33.7	33.2
13	33.8	33.8	33.3	33.3	33.5	33.5	38.7
14	26.2	33.8	25.9	33.8	33.4	33.4	26.0
15	33.0	33.6	33.3	33.4	38.4	33.1	33.4
16	33.4	26.5	33.9	33.3	38.3	33.8	33.1
17	33.9	26.4	39.0	38.9	38.1	33.5	26.4
18	38.8	33.2	33.4	33.6	33.2	33.8	33.9
19	38.4	33.7	33.3	33.6	39.0	33.6	33.5
20	26.7	34.0	25.7	33.4	33.1	33.8	33.1
21	33.9	33.2	33.2	33.1	25.9	33.0	33.8
22	25.6	33.5	-	43.6	33.4	25.7	33.4
23	26.4	-	-	26.2	-	25.6	-
24	-	-	26.1	-	-	48.1	16.0

10-12	33.4	33.1	33.4	33.9	33.5	33.3	33.5
14-16	33.5	34.0	33.4	33.8	38.2	33.1	33.2
0-24	33.8	33.7	33.7	33.0	33.5	33.0	33.3

7 Day Ave 33.4

St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.

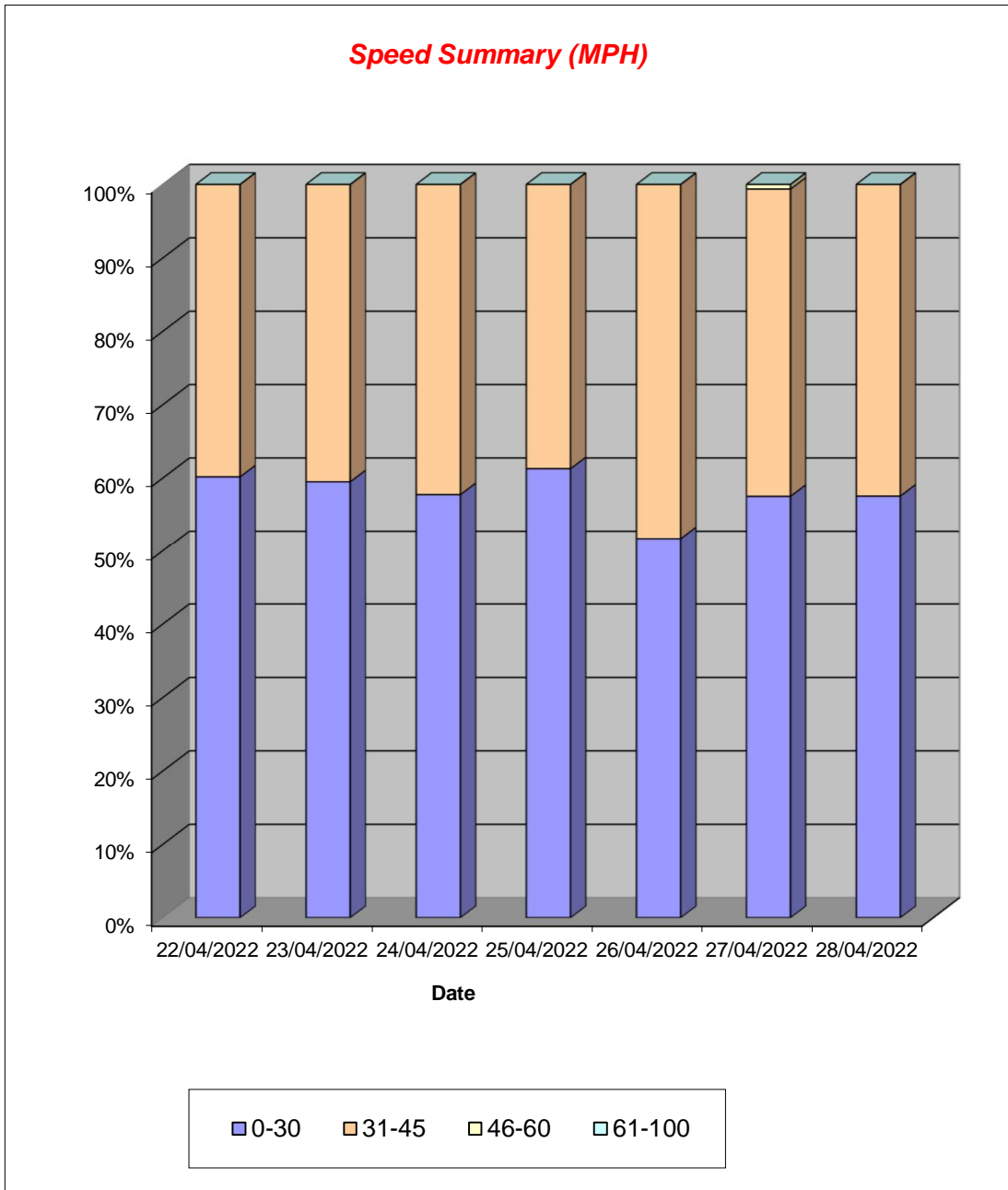


Channel 1 - Northbound

Speed Summary

Week 1

Speed (MPH)	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
0-30	77	69	56	87	76	92	84
31-45	51	47	41	55	71	67	62
46-60	0	0	0	0	0	1	0
61-100	0	0	0	0	0	0	0
TOTAL	128	116	97	142	147	160	146



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.

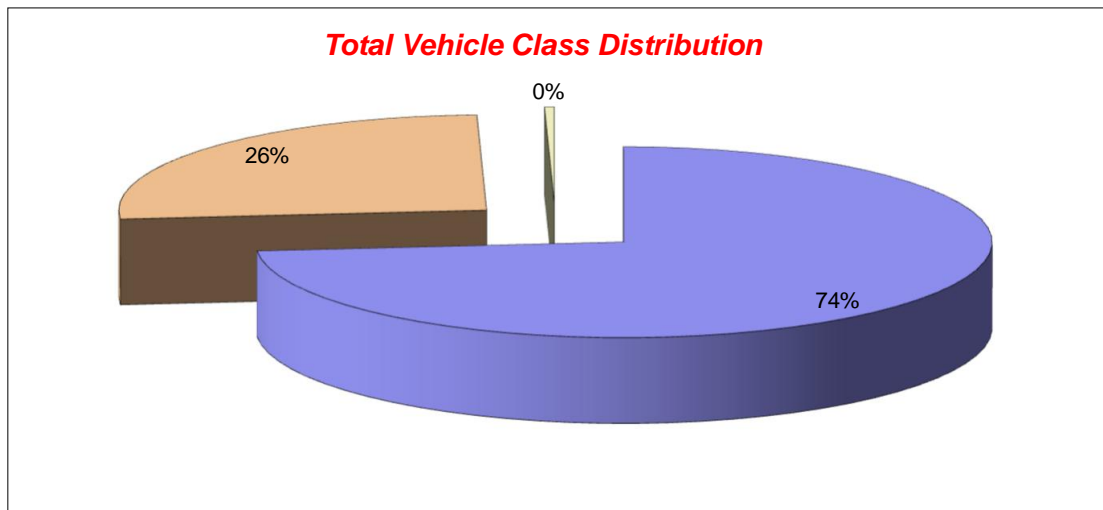


Channel 1 - Northbound

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
22/04/2022				
7-19	79	31	1	111
6-22	88	36	1	125
6-24	88	37	1	126
0-24	90	37	1	128
23/04/2022				
7-19	74	19	0	93
6-22	90	24	0	114
6-24	90	24	0	114
0-24	91	25	0	116
24/04/2022				
7-19	70	17	0	87
6-22	77	17	0	94
6-24	78	17	0	95
0-24	79	18	0	97
25/04/2022				
7-19	77	36	2	115
6-22	94	43	2	139
6-24	95	43	2	140
0-24	96	44	2	142
26/04/2022				
7-19	90	35	0	125
6-22	106	41	0	147
6-24	106	41	0	147
0-24	106	41	0	147
27/04/2022				
7-19	99	38	0	137
6-22	112	45	0	157
6-24	115	45	0	160
0-24	115	45	0	160
28/04/2022				
7-19	92	28	1	121
6-22	110	34	1	145
6-24	111	34	1	146
0-24	111	34	1	146
Average				
7-19	83	29	1	113
6-22	97	34	1	132
6-24	98	34	1	133
0-24	98	35	1	134



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.

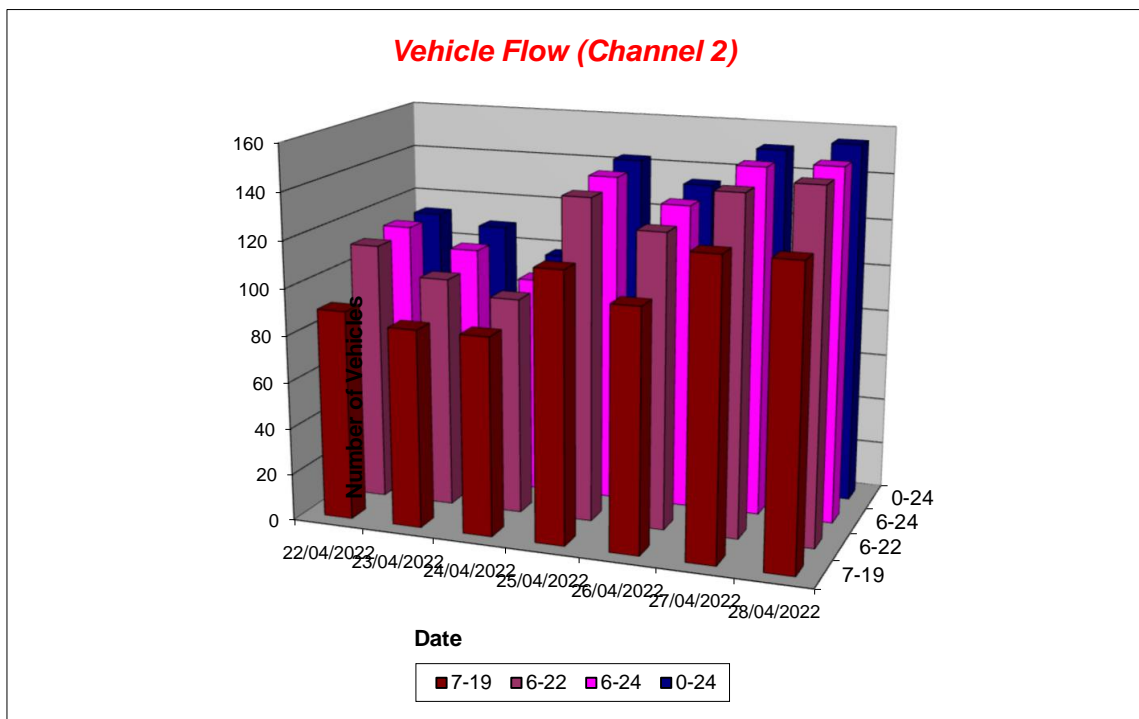


Channel 2 - Southbound

Vehicle Flow

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5 Day Ave	7 Day Ave
1	0	1	1	1	0	1	2	1	1
2	0	1	0	0	0	0	1	0	0
3	0	1	1	0	1	0	0	0	0
4	0	0	1	1	1	0	0	0	0
5	0	1	1	0	0	0	1	0	0
6	0	0	0	0	1	1	0	0	0
7	6	0	0	3	4	3	3	4	3
8	6	3	0	4	6	5	4	5	4
9	6	2	6	9	3	16	15	10	8
10	8	4	6	6	10	8	9	8	7
11	10	5	5	11	6	7	5	8	7
12	8	15	11	9	15	13	13	12	12
13	4	10	6	5	5	12	8	7	7
14	3	10	4	3	6	5	5	4	5
15	6	6	9	13	11	12	12	11	10
16	7	13	11	13	12	11	16	12	12
17	13	5	13	16	10	15	13	13	12
18	11	7	8	13	15	14	19	14	12
19	8	5	6	13	4	8	7	8	7
20	9	4	4	8	14	4	11	9	8
21	6	5	4	9	2	8	5	6	6
22	0	5	0	3	3	3	4	3	3
23	2	2	0	2	4	4	1	3	2
24	0	4	1	1	1	1	1	1	1
7-19	90	85	85	115	103	126	126	112	104
6-22	111	99	93	138	126	144	149	134	123
6-24	113	105	94	141	131	149	151	137	126
0-24	113	109	98	143	134	151	155	139	129



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 2 - Southbound

Average Speed

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	25.5	25.5	25.5	-	25.5	31.8
2	-	25.5	-	-	-	-	25.5
3	-	15.5	25.5	-	25.5	-	-
4	-	-	25.5	25.5	25.5	-	-
5	-	25.5	38.0	-	-	-	25.5
6	-	-	-	-	38.0	25.5	-
7	30.5	-	-	29.7	27.4	28.0	30.5
8	26.8	25.5	-	27.4	26.8	28.5	28.6
9	28.8	31.8	27.6	27.7	28.0	27.2	28.7
10	24.9	29.2	25.1	29.2	26.0	30.2	28.6
11	27.8	25.0	28.5	29.4	25.5	25.1	25.0
12	28.9	27.0	26.9	26.3	25.0	27.6	24.7
13	29.2	27.8	28.0	27.5	25.5	26.1	28.0
14	22.2	27.0	27.4	25.5	26.8	29.5	28.5
15	25.5	23.8	26.3	26.3	25.3	26.5	29.2
16	27.6	23.6	27.5	26.7	27.8	26.6	26.8
17	26.1	27.0	28.2	26.8	27.2	26.7	26.8
18	25.3	29.8	26.1	29.0	27.0	26.2	29.4
19	26.4	25.0	28.0	27.6	27.4	30.2	23.3
20	27.2	30.5	28.6	29.9	29.1	32.4	27.8
21	27.6	28.5	25.5	25.2	25.5	24.2	27.0
22	-	25.5	-	25.5	30.5	24.7	31.8
23	29.2	25.5	-	25.5	29.2	29.2	25.5
24	-	29.2	25.5	25.5	25.5	25.5	15.5

10-12	28.3	26.5	27.4	28.0	25.1	26.8	24.8
14-16	26.7	23.7	27.0	26.5	26.6	26.6	27.8
0-24	27.0	26.6	27.3	27.4	26.9	27.2	27.6

7 Day Ave	27.1
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85th Percentile

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	25.8	25.5	26.0	-	25.5	39.0
2	-	25.8	-	-	-	-	25.7
3	-	15.5	25.8	-	25.7	-	-
4	-	-	26.0	25.7	26.5	-	-
5	-	26.0	38.9	-	-	-	25.9
6	-	-	-	-	38.1	25.9	-
7	33.1	-	-	38.6	33.1	33.4	33.4
8	33.6	25.7	-	33.5	33.8	33.3	38.3
9	38.2	38.9	38.5	33.7	33.4	34.0	33.5
10	33.9	33.6	33.4	33.9	33.5	33.8	33.1
11	33.1	33.8	33.8	33.4	25.6	26.2	33.5
12	33.4	33.9	33.8	26.4	33.1	33.4	26.5
13	33.3	33.3	33.7	38.3	25.7	33.7	33.6
14	26.4	33.5	33.7	25.7	33.0	38.3	33.9
15	26.3	25.6	26.5	33.5	26.2	33.4	33.7
16	33.3	33.6	33.3	33.2	33.5	33.4	33.4
17	26.2	33.4	33.5	33.6	33.6	33.9	33.7
18	25.8	34.0	33.4	33.4	33.2	33.1	38.1
19	26.5	33.1	33.7	33.9	33.5	33.6	33.8
20	33.0	38.9	38.2	33.5	33.7	38.3	33.7
21	38.3	33.6	25.9	25.7	26.3	25.6	33.5
22	-	25.8	-	26.2	33.4	33.2	38.2
23	33.8	25.6	-	26.2	33.9	33.1	25.7
24	-	33.5	26.0	26.1	26.2	25.9	15.8

10-12	33.3	33.2	33.8	33.8	25.6	34.0	26.3
14-16	33.2	26.5	33.5	33.2	33.6	33.5	33.1
0-24	33.5	33.1	33.4	33.8	33.7	33.5	33.5

7 Day Ave	33.5
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St Asaph, Wales ATC 01, Unnamed Road

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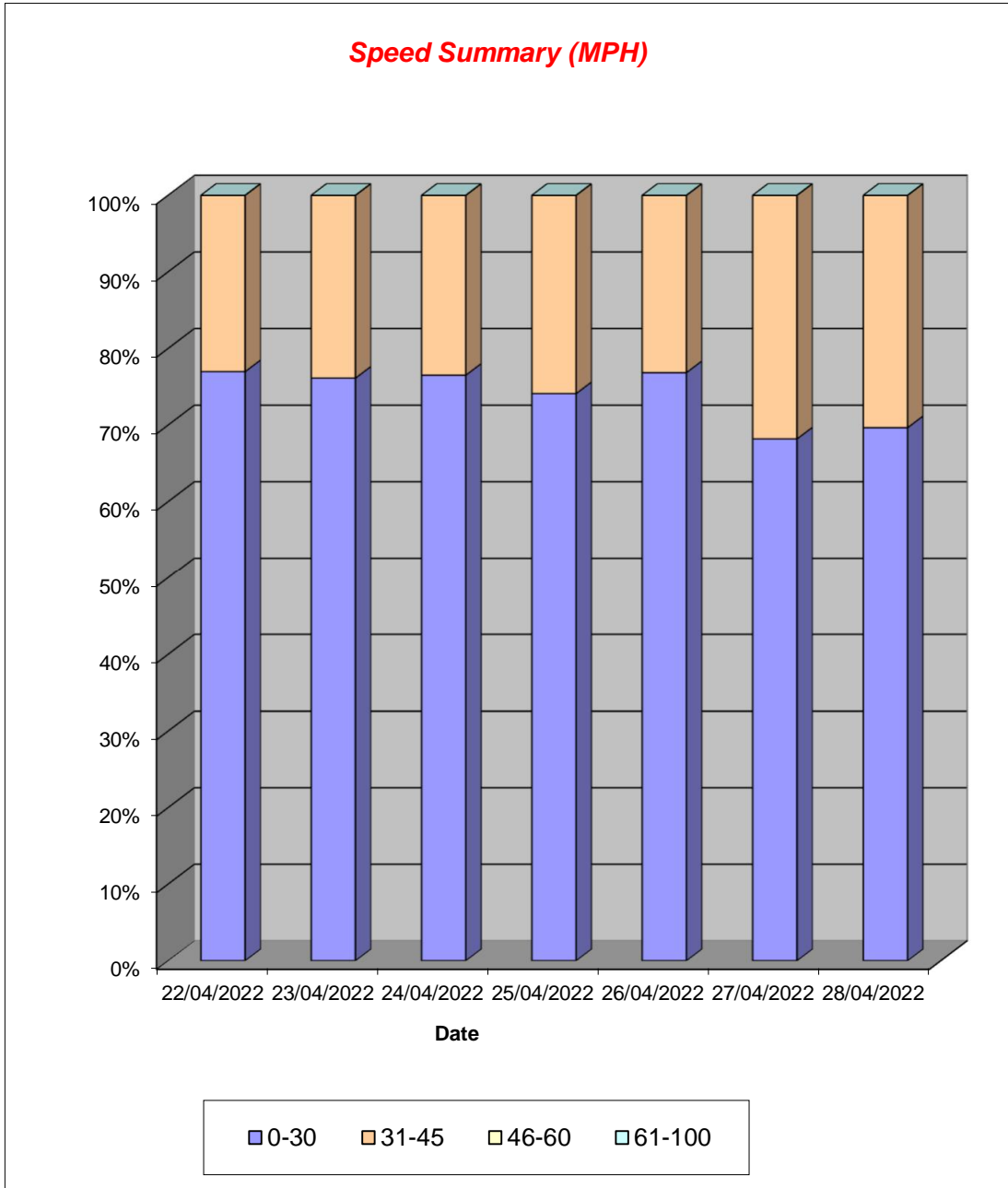


Channel 2 - Southbound

Speed Summary

Week 1

Speed (MPH)	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
0-30	87	83	75	106	103	103	108
31-45	26	26	23	37	31	48	47
46-60	0	0	0	0	0	0	0
61-100	0	0	0	0	0	0	0
TOTAL	113	109	98	143	134	151	155



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.

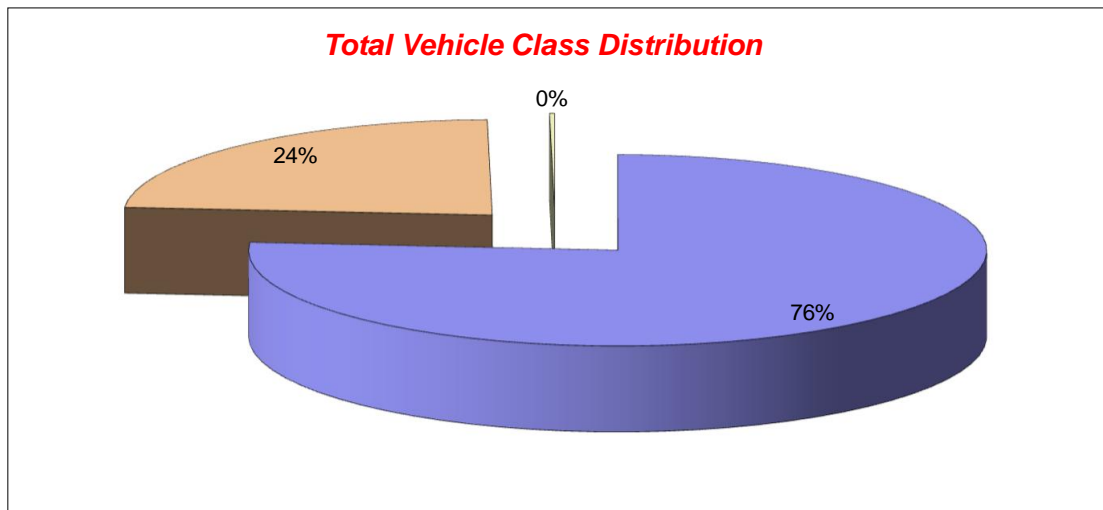


Channel 2 - Southbound

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
22/04/2022				
7-19	67	22	1	90
6-22	84	26	1	111
6-24	85	27	1	113
0-24	85	27	1	113
23/04/2022				
7-19	63	22	0	85
6-22	76	23	0	99
6-24	80	25	0	105
0-24	83	26	0	109
24/04/2022				
7-19	71	14	0	85
6-22	79	14	0	93
6-24	79	15	0	94
0-24	81	17	0	98
25/04/2022				
7-19	84	30	1	115
6-22	103	34	1	138
6-24	105	35	1	141
0-24	106	36	1	143
26/04/2022				
7-19	79	24	0	103
6-22	99	27	0	126
6-24	101	30	0	131
0-24	102	32	0	134
27/04/2022				
7-19	94	32	0	126
6-22	109	35	0	144
6-24	113	36	0	149
0-24	113	38	0	151
28/04/2022				
7-19	100	26	0	126
6-22	116	33	0	149
6-24	117	34	0	151
0-24	119	36	0	155
Average				
7-19	80	24	0	104
6-22	95	27	0	123
6-24	97	29	0	126
0-24	98	30	0	129



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 1 - Northbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	128	116	97	142	147	160	146	145	134
Mean Speed	28.6	28.3	28.6	28.7	29.2	28.6	28.5	28.7	28.6
85%ile Speed	33.9	33.7	33.7	33.0	33.5	33.0	33.3	33.3	33.4
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	119	109	98	143	134	151	155	139	128
Mean Speed	27.0	26.6	27.3	27.4	26.9	27.2	27.6	27.2	27.1
85%ile Speed	33.5	33.1	33.4	33.8	33.7	33.5	33.5	33.6	33.5
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Northbound & Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	241	225	195	285	281	311	301	284	262
Mean Speed	27.8	27.5	28.0	28.1	28.1	27.9	28.1	28.0	27.9
85%ile Speed	33.6	33.4	33.6	33.4	33.6	33.3	33.4	33.5	33.5
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HDV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HDV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HDV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic, 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HDV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HDV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HDV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 1 - Northbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	87	86	70	102	99	106	97	98	92
Mean Speed	27.8	28.6	28.2	28.6	28.4	28.4	27.5	28.2	28.2
85%ile Speed	31.6	32.1	31.1	33.6	34.1	33.4	32.3	33.0	32.6
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	77	92	71	101	100	101	104	97	92
Mean Speed	27.3	25.9	27.5	26.9	27.4	27.3	26.8	27.1	27.0
85%ile Speed	32.0	30.1	31.2	30.4	30.6	31.7	31.3	31.2	31.0
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Northbound & Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	164	178	141	203	199	207	201	195	185
Mean Speed	27.5	27.2	27.8	27.7	27.9	27.9	27.1	27.6	27.6
85%ile Speed	31.8	31.1	31.1	32.0	32.4	32.5	31.8	32.1	31.8
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



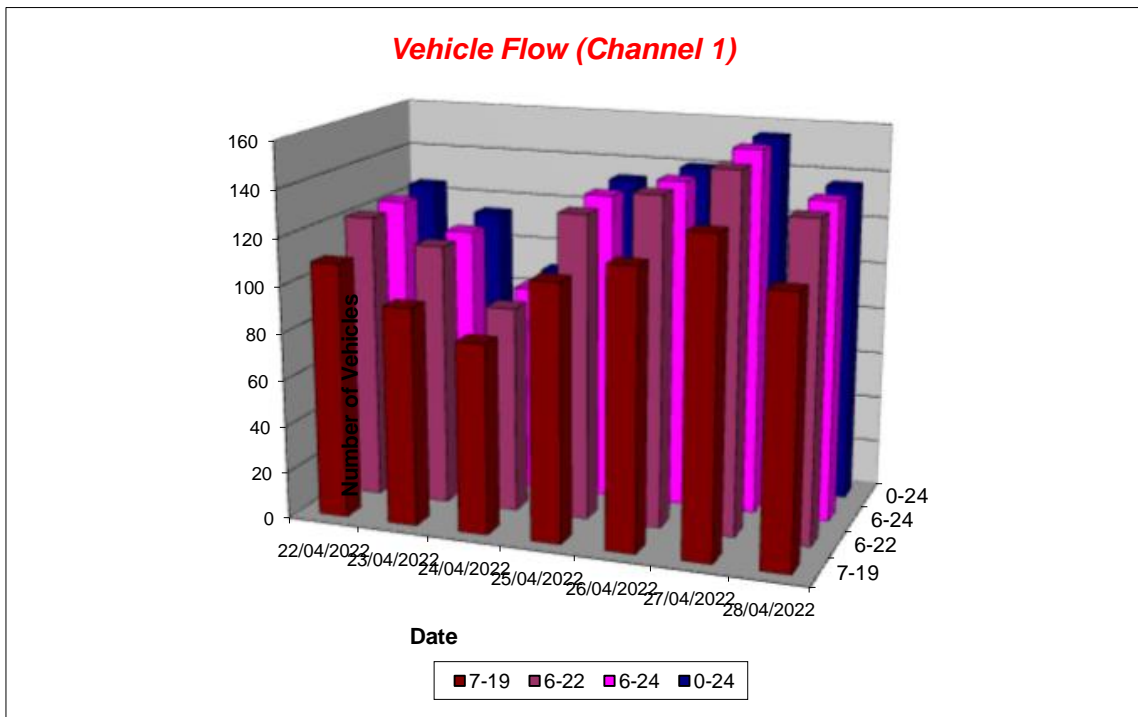
Channel 1 - Northbound

Vehicle Flow

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5 Day Ave	7 Day Ave
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	1	0	1	0	0	0	0	0
4	1	0	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0
7	3	2	1	4	3	7	7	5	4
8	7	6	3	10	14	8	8	9	8
9	11	7	7	11	16	18	18	15	13
10	3	10	11	7	9	10	9	8	8
11	13	7	9	7	9	8	9	9	9
12	11	14	8	12	12	19	7	12	12
13	8	12	9	7	4	3	6	6	7
14	9	6	3	9	10	12	8	10	8
15	6	7	9	5	16	5	8	8	8
16	10	6	6	19	9	13	12	13	11
17	12	6	4	8	9	11	7	9	8
18	11	8	10	7	4	13	10	9	9
19	8	4	2	7	6	13	11	9	7
20	7	9	5	7	7	4	7	6	7
21	0	2	1	7	7	7	4	5	4
22	3	6	0	3	5	1	4	3	3
23	1	0	0	2	0	1	0	1	1
24	0	0	1	0	0	2	1	1	1

7-19	109	93	81	109	118	133	113	116	108
6-22	122	112	88	130	140	152	135	136	126
6-24	123	112	89	132	140	155	136	137	127
0-24	125	114	90	133	140	155	136	138	128



St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 1 - Northbound

Average Speed

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-
3	-	25.5	-	38.0	-	-	-
4	25.5	-	25.5	-	-	-	-
5	-	-	-	-	-	-	-
6	25.5	25.5	-	-	-	-	-
7	25.5	25.5	25.5	24.9	28.0	26.6	27.6
8	29.4	26.8	22.2	27.0	27.1	28.9	27.4
9	24.4	26.6	24.1	27.5	27.4	26.2	25.2
10	22.2	27.0	26.2	24.1	27.7	24.2	25.5
11	25.7	22.6	23.3	23.7	24.1	22.9	21.0
12	26.9	23.4	25.5	24.4	25.3	25.8	25.1
13	25.2	23.8	26.9	23.7	23.0	24.7	28.0
14	23.3	28.0	25.5	25.2	25.8	22.2	24.2
15	26.8	25.5	26.3	27.0	26.4	25.0	24.2
16	24.5	18.8	25.5	25.5	25.2	26.7	25.5
17	27.2	23.8	23.0	23.0	27.2	23.5	24.1
18	27.1	24.2	23.5	25.5	25.5	25.3	28.2
19	27.4	25.5	25.5	22.6	23.8	26.7	24.4
20	25.5	24.4	23.5	25.5	22.6	25.5	24.1
21	-	20.5	25.5	25.5	19.7	25.5	24.9
22	25.5	25.1	-	37.2	27.0	15.5	29.2
23	25.5	-	-	20.5	-	38.0	-
24	-	-	33.0	-	-	34.2	15.5
10-12	26.2	23.1	24.3	24.2	24.8	24.9	22.8
14-16	25.3	22.4	26.0	25.8	26.0	26.2	25.0
0-24	25.9	24.6	25.0	25.4	25.7	25.5	25.3

7 Day Ave 25.3

85th Percentile

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-
3	-	26.3	-	38.7	-	-	-
4	26.2	-	26.2	-	-	-	-
5	-	-	-	-	-	-	-
6	26.0	25.6	-	-	-	-	-
7	26.1	26.1	25.5	33.3	33.8	26.7	33.1
8	33.3	33.5	26.1	33.6	33.0	33.5	33.0
9	25.8	26.7	25.6	33.2	33.5	33.3	26.0
10	26.3	33.6	26.2	25.7	33.9	26.1	26.2
11	33.0	26.1	26.3	26.1	25.9	26.0	26.0
12	33.8	25.8	25.8	25.6	26.2	25.9	26.3
13	26.3	25.8	33.0	26.0	26.0	33.9	33.1
14	26.2	33.8	25.8	26.4	26.0	26.2	25.7
15	33.0	26.3	26.4	33.3	26.5	33.5	26.2
16	25.9	26.1	25.8	26.3	25.9	33.4	26.0
17	33.9	26.5	26.4	25.9	38.4	25.6	25.9
18	33.8	26.4	26.5	25.8	25.8	33.8	33.1
19	33.4	25.7	25.9	26.4	25.6	33.5	26.2
20	26.5	26.2	25.8	26.1	25.7	26.3	26.4
21	-	26.5	25.7	26.1	26.5	26.1	33.5
22	26.4	33.2	-	48.4	33.1	16.3	33.1
23	25.6	-	-	25.6	-	38.0	-
24	-	-	33.2	-	-	43.2	16.3
10-12	33.9	26.0	26.1	26.1	25.9	25.6	25.9
14-16	25.9	25.6	26.0	26.2	26.1	33.1	26.0
0-24	33.5	26.5	25.9	26.4	33.5	33.3	26.0

7 Day Ave 29.3

St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.

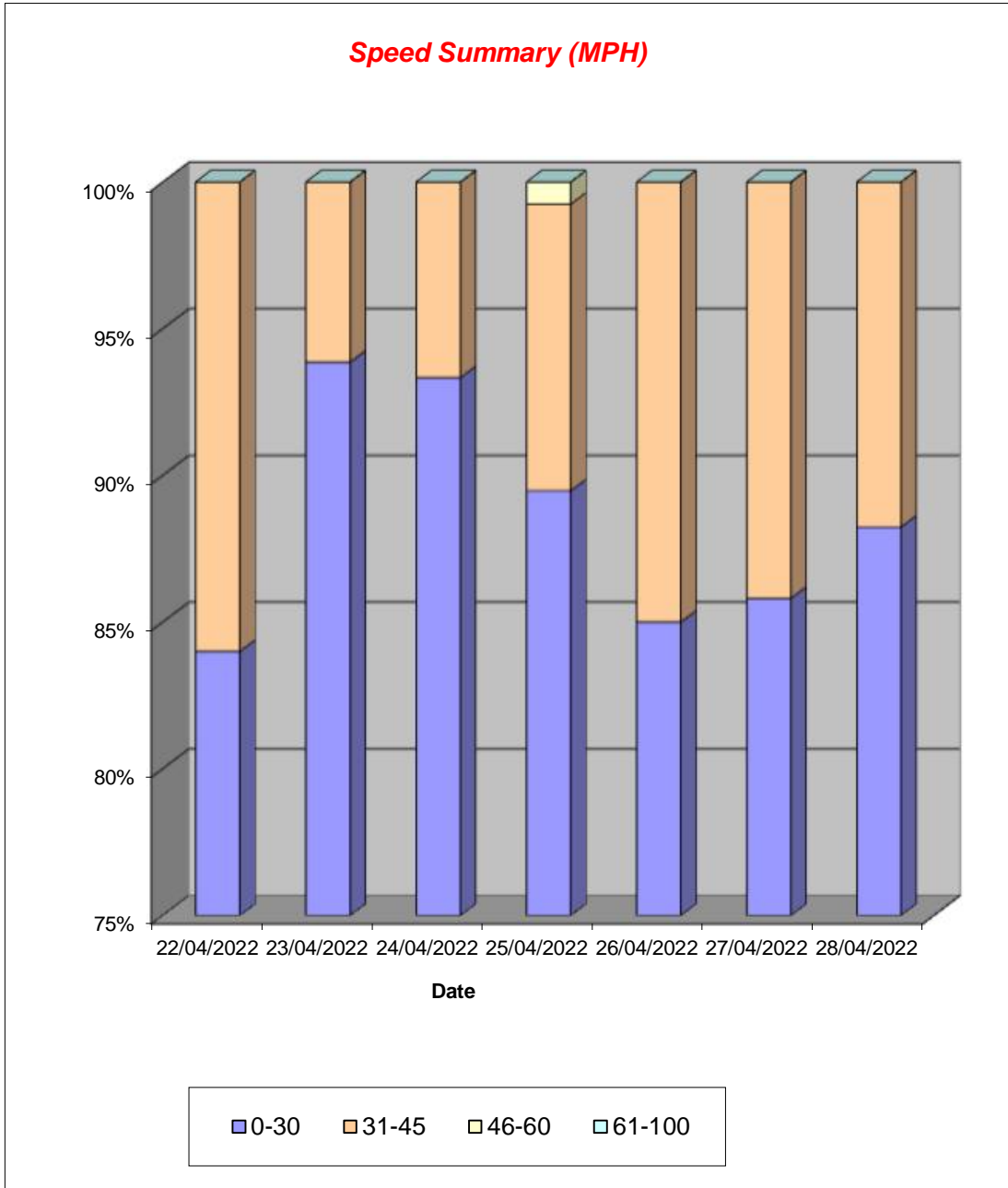


Channel 1 - Northbound

Speed Summary

Week 1

Speed (MPH)	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
0-30	105	107	84	119	119	133	120
31-45	20	7	6	13	21	22	16
46-60	0	0	0	1	0	0	0
61-100	0	0	0	0	0	0	0
TOTAL	125	114	90	133	140	155	136



St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



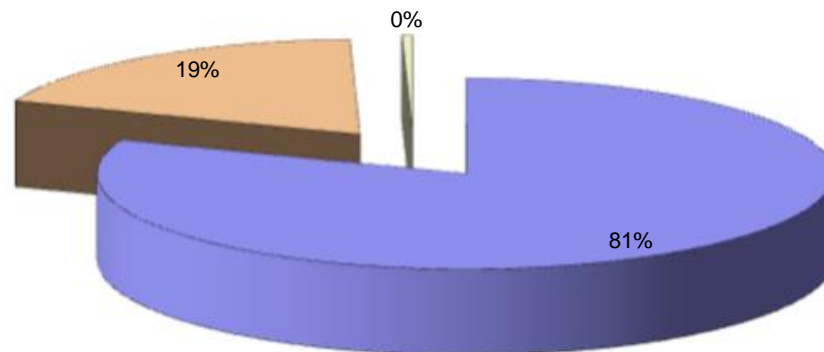
Channel 1 - Northbound

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
22/04/2022				
7-19	86	22	1	109
6-22	96	25	1	122
6-24	96	26	1	123
0-24	98	26	1	125
23/04/2022				
7-19	80	13	0	93
6-22	95	17	0	112
6-24	95	17	0	112
0-24	96	18	0	114
24/04/2022				
7-19	68	13	0	81
6-22	75	13	0	88
6-24	76	13	0	89
0-24	77	13	0	90
25/04/2022				
7-19	86	21	2	109
6-22	103	25	2	130
6-24	104	26	2	132
0-24	105	26	2	133
26/04/2022				
7-19	93	25	0	118
6-22	109	31	0	140
6-24	109	31	0	140
0-24	109	31	0	140
27/04/2022				
7-19	105	28	0	133
6-22	118	34	0	152
6-24	121	34	0	155
0-24	121	34	0	155
28/04/2022				
7-19	96	16	1	113
6-22	114	20	1	135
6-24	115	20	1	136
0-24	115	20	1	136
Average				
7-19	88	20	1	108
6-22	101	24	1	126
6-24	102	24	1	127
0-24	103	24	1	128

Total Vehicle Class Distribution



St Asaph, Wales ATC 02, Unnamed Road

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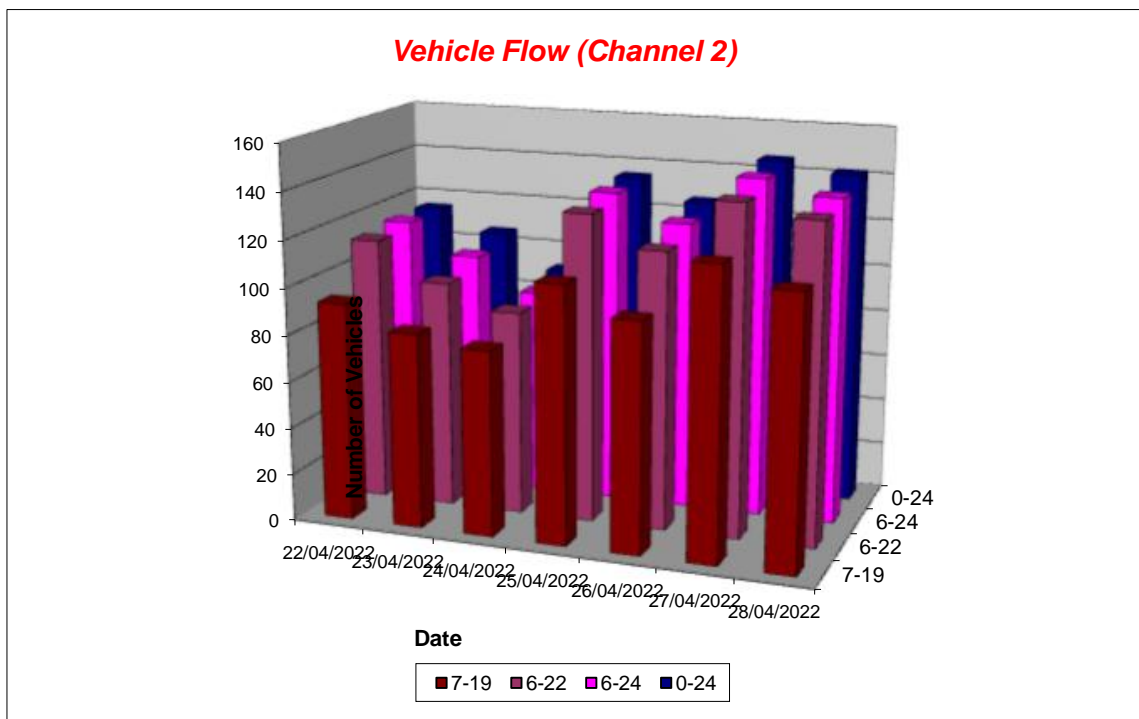
Channel 2 - Southbound

Vehicle Flow

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5 Day Ave	7 Day Ave
1	0	1	1	0	0	1	2	1	1
2	0	1	0	0	0	0	1	0	0
3	0	1	1	0	1	0	0	0	0
4	0	0	0	1	1	0	0	0	0
5	0	1	1	0	0	0	1	0	0
6	0	0	0	0	1	1	0	0	0
7	6	0	0	3	4	3	3	4	3
8	6	4	0	4	6	5	4	5	4
9	6	2	6	8	4	16	13	9	8
10	6	5	5	6	9	7	8	7	7
11	14	6	5	10	6	6	6	8	8
12	10	16	11	8	13	14	8	11	11
13	5	8	6	6	5	12	9	7	7
14	3	8	4	1	6	5	5	4	5
15	5	6	9	13	10	11	12	10	9
16	8	13	8	13	11	10	15	11	11
17	14	3	12	16	10	16	13	14	12
18	8	7	8	11	13	13	17	12	11
19	8	5	5	13	4	7	4	7	7
20	8	4	4	8	12	4	11	9	7
21	6	5	4	8	2	8	5	6	5
22	0	5	0	3	3	3	2	2	2
23	2	1	0	2	4	3	2	3	2
24	0	4	1	1	1	1	1	1	1

7-19	93	83	79	109	97	122	114	107	100
6-22	113	97	87	131	118	140	135	127	117
6-24	115	102	88	134	123	144	138	131	121
0-24	115	106	91	135	126	146	142	133	123



St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 2 - Southbound

Average Speed

Week 1

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	25.5	25.5	-	-	15.5	29.2
2	-	25.5	-	-	-	-	25.5
3	-	15.5	25.5	-	25.5	-	-
4	-	-	-	25.5	15.5	-	-
5	-	33.0	38.0	-	-	-	25.5
6	-	-	-	-	38.0	25.5	-
7	25.5	-	-	25.5	25.5	25.5	25.5
8	25.5	25.5	-	25.5	25.5	23.5	25.5
9	25.1	29.2	23.4	25.5	23.0	23.6	25.3
10	20.4	21.5	25.5	25.5	26.1	25.5	26.4
11	21.2	23.8	25.5	26.0	23.8	22.2	25.5
12	24.5	24.2	25.5	23.0	23.2	24.4	23.0
13	23.5	25.5	23.8	23.8	19.5	23.8	24.4
14	15.5	24.9	25.5	25.5	23.8	25.5	25.5
15	25.5	22.2	25.5	24.0	24.2	23.5	23.8
16	24.2	19.3	20.4	25.5	25.5	24.5	24.2
17	23.9	25.5	25.3	24.2	25.5	22.8	26.1
18	25.2	28.7	23.0	25.3	25.3	24.5	26.4
19	21.7	23.5	25.5	24.5	25.5	25.5	27.4
20	27.1	24.9	27.4	26.4	24.5	27.4	26.2
21	23.8	25.5	25.5	25.5	20.5	24.9	25.5
22	-	25.5	-	25.5	25.5	22.2	25.5
23	24.2	25.5	-	25.5	25.5	29.7	29.2
24	-	31.1	25.5	15.5	25.5	25.5	15.5

10-12	22.6	24.1	25.5	24.7	23.4	23.8	24.1
14-16	24.7	20.2	23.1	24.7	24.9	24.0	24.0
0-24	23.7	24.4	24.8	24.9	24.5	24.2	25.3

7 Day Ave 24.5

85th Percentile

Hr Ending	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
1	-	25.7	26.5	-	-	16.2	33.4
2	-	26.0	-	-	-	-	26.5
3	-	15.8	25.6	-	26.1	-	-
4	-	-	-	26.3	16.3	-	-
5	-	33.3	38.0	-	-	-	26.0
6	-	-	-	-	38.2	25.6	-
7	25.7	-	-	26.0	26.3	26.1	26.0
8	25.8	25.5	-	25.9	25.7	26.2	26.5
9	33.1	33.5	33.3	26.0	26.5	25.5	25.7
10	26.1	25.7	26.0	25.7	33.1	25.9	26.5
11	25.7	26.4	26.4	33.6	25.6	25.9	25.9
12	26.4	26.1	26.0	26.0	26.3	25.8	25.8
13	25.6	26.3	25.9	26.2	25.9	26.5	26.0
14	15.9	33.9	26.3	26.4	26.0	26.3	25.6
15	25.8	25.8	26.3	25.9	25.6	26.2	26.0
16	26.4	26.0	26.2	25.8	25.6	25.9	26.5
17	26.3	25.6	26.2	25.8	25.7	26.2	26.2
18	25.8	33.6	26.5	25.7	25.5	25.8	26.5
19	26.2	25.9	25.8	26.0	26.2	25.9	33.7
20	27.2	34.0	33.5	26.5	26.0	33.4	26.2
21	25.6	25.6	25.9	26.1	26.1	33.9	26.2
22	-	26.4	-	25.9	25.7	25.6	25.6
23	33.0	26.1	-	26.4	26.0	38.6	33.8
24	-	33.3	26.2	16.0	26.2	25.8	16.2

10-12	25.8	25.6	25.7	25.7	26.3	25.6	26.0
14-16	26.3	26.0	25.9	26.2	25.9	25.7	25.7
0-24	25.8	25.7	26.0	26.2	26.4	25.6	25.7

7 Day Ave 25.9

St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.

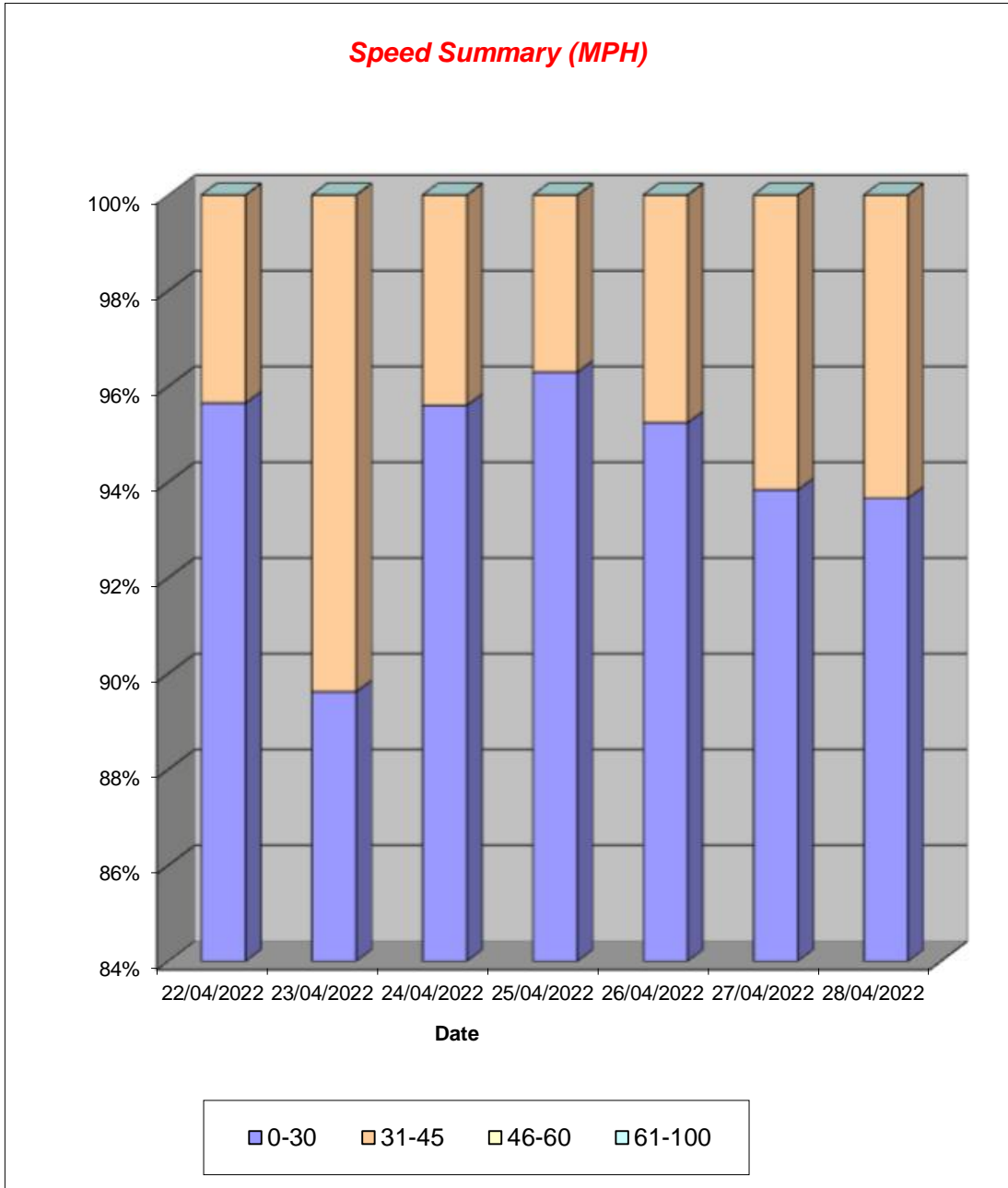


Channel 2 - Southbound

Speed Summary

Week 1

Speed (MPH)	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday
0-30	110	95	87	130	120	137	133
31-45	5	11	4	5	6	9	9
46-60	0	0	0	0	0	0	0
61-100	0	0	0	0	0	0	0
TOTAL	115	106	91	135	126	146	142



St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



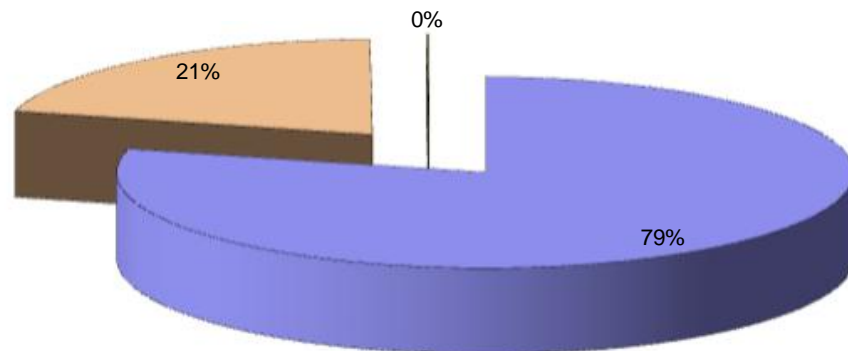
Channel 2 - Southbound

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
22/04/2022				
7-19	75	18	0	93
6-22	92	21	0	113
6-24	93	22	0	115
0-24	93	22	0	115
23/04/2022				
7-19	65	18	0	83
6-22	78	19	0	97
6-24	81	21	0	102
0-24	84	22	0	106
24/04/2022				
7-19	67	12	0	79
6-22	75	12	0	87
6-24	75	13	0	88
0-24	77	14	0	91
25/04/2022				
7-19	80	28	1	109
6-22	99	31	1	131
6-24	101	32	1	134
0-24	102	32	1	135
26/04/2022				
7-19	77	20	0	97
6-22	96	22	0	118
6-24	99	24	0	123
0-24	100	26	0	126
27/04/2022				
7-19	96	26	0	122
6-22	112	28	0	140
6-24	115	29	0	144
0-24	115	31	0	146
28/04/2022				
7-19	90	24	0	114
6-22	105	30	0	135
6-24	107	31	0	138
0-24	109	33	0	142
Average				
7-19	79	21	0	100
6-22	94	23	0	117
6-24	96	25	0	121
0-24	97	26	0	123

Total Vehicle Class Distribution



St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 1 - Northbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	126	114	90	133	140	155	136	138	128
Mean Speed	25.9	24.6	25.0	25.4	25.7	25.5	25.3	25.6	25.3
85%ile Speed	33.5	28.5	25.9	26.4	33.5	33.3	26.0	30.5	29.3
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	116	108	91	135	128	146	142	133	128
Mean Speed	23.7	24.4	24.8	24.9	24.5	24.2	25.3	24.5	24.5
85%ile Speed	25.8	25.7	26.0	26.2	26.4	25.6	25.7	25.9	25.9
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Northbound & Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	242	220	181	268	268	301	278	271	251
Mean Speed	24.8	24.5	24.9	25.2	25.1	24.9	25.3	25.0	24.9
85%ile Speed	29.6	26.1	25.9	26.3	29.9	29.4	25.9	28.2	27.6
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HDV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HDV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HDV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic. 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic. 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic. 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic. 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HDV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HDV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HDV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



Channel 1 - Northbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	84	87	66	97	97	105	93	95	90
Mean Speed	25.4	24.4	26.0	26.3	24.9	26.0	24.6	25.4	25.3
85%ile Speed	28.2	27.6	27.0	29.6	27.9	29.7	27.5	28.6	28.2
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	81	90	65	96	93	96	95	92	88
Mean Speed	23.1	24.5	26.0	24.5	24.6	24.4	25.2	24.3	24.6
85%ile Speed	25.8	27.2	27.5	25.9	26.5	27.1	26.8	26.4	26.7
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Northbound & Southbound

	22/04/2022 Friday	23/04/2022 Saturday	24/04/2022 Sunday	25/04/2022 Monday	26/04/2022 Tuesday	27/04/2022 Wednesday	28/04/2022 Thursday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	165	177	131	193	190	201	188	187	178
Mean Speed	24.2	24.4	26.0	25.4	24.7	25.2	24.9	24.9	25.0
85%ile Speed	27.0	27.4	27.3	27.7	27.2	28.4	27.2	27.5	27.5
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

Appendix I

Visibility Splay Calculation - Southern Access

St Asaph Southern Access

Northbound

7-day average	-
Standard deviation	-
85th %ile Speed (mph)	29.3
85th %ile Wet Weather Speed (mph)	47.7
85th %ile Wet Weather Speed (kph)	43.1

SSD = $vt + v^2 / 2d$, therefore.....

Surveyed Speed (mph)	29.3
v = speed (m/s)	13.1
t = driver perception-reaction time (secs)	1.5
d = deceleration (m/s ²)	4.5
SSD (metres) =	39
SSD (metres, adjusted for bonnet length) =	41

Southbound

7-day average	-
Standard deviation	-
85th %ile Speed (mph)	33.5
85th %ile Wet Weather Speed (mph)	31.0
85th %ile Wet Weather Speed (kph)	49.9

SSD = $vt + v^2 / 2d$, therefore.....

Surveyed Speed (mph)	33.5
v = speed (m/s)	15.0
t = driver perception-reaction time (secs)	1.5
d = deceleration (m/s ²)	4.5
SSD (metres) =	47
SSD (metres, adjusted for bonnet length) =	50

Note - speeds obtained from ATC Information are 85th percentile values

Appendix J

Visibility Splay - Southern Access



9 Greyfriars, Reading, Berkshire, RG1 1NU
 T: 0118 206 2930
 Guildford - London - Reading
 www.motion.co.uk

Project:
St Asaph

Title:
**Visibility Splay
 Southern Access**

Client:
Anesco Ltd.

Drawing Status:

Scale: 1:500 (@ A3) Date: 17/04/2025

Drawn: AN Checked: JNR Approved: JNR

Drawing: **2110010 - 05** Revision: -