



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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Contents

Executive Summary 1

1.0 Introduction 2

2.0 Existing Conditions..... 6

3.0 Proposed Development 9

4.0 Proposed Vehicle Movements.....12

5.0 Summary and Conclusion.....14

Appendices

A Site Layout

B Topographical Survey

C Swept Path Analysis - 16.5m HGV – Northern Access

D ATC Data – Northern Access

E Visibility Splay Calculation – Northern Access

F Visibility Splay – Northern Access

G Swept Path Analysis – 16.5m HGV – Southern Access

H ATC Data – Southern Access

I Visibility Splay Calculation - Southern Access

J Visibility Splay - Southern Access

Executive Summary

Motion has prepared this Transport Statement (TS) 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 for the construction, operation and decommissioning of a ground mounted photovoltaic (PV) solar farm, together with associated equipment, infrastructure and ancillary works ("The Development").

This 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. Swept path analysis has been undertaken to demonstrate that both accesses can accommodate construction vehicles up to a length of 16.5m (with the southern site access requiring a small amount of widening) and can achieve visibility in accordance with the recorded speed of traffic and standards.

Personal Injury Collision (PIC) data was obtained for the most recent five-year period and 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.

There are no Public Rights of Way (PRoW) within the Site boundary and the PRoW network will not be directly impacted as a result of the proposed Development.

The construction phase of the Development is expected to take place over a 36-week period and generate an average of 4 two-way HGV movements per day and 30 two-way construction staff movements per day.

Construction vehicle access routes have been identified for the Site to help manage construction traffic and assign it to the most appropriate roads. A Construction Traffic Management Plan (CTMP) will be prepared to minimise the impact of HGV trips generated by the development during the construction period and be secured by planning condition.

The operational phase of the Development is expected to 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.

The 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 Statement 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 for 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 approximately 1km to the south-west of St Asaph and approximately 840m to the south of Glascoed Road (B5381) within the administrative boundary of Denbighshire County Council (DCC) who are both the planning authority and highway authority. The Site's location is shown in **Figure 1.1**.

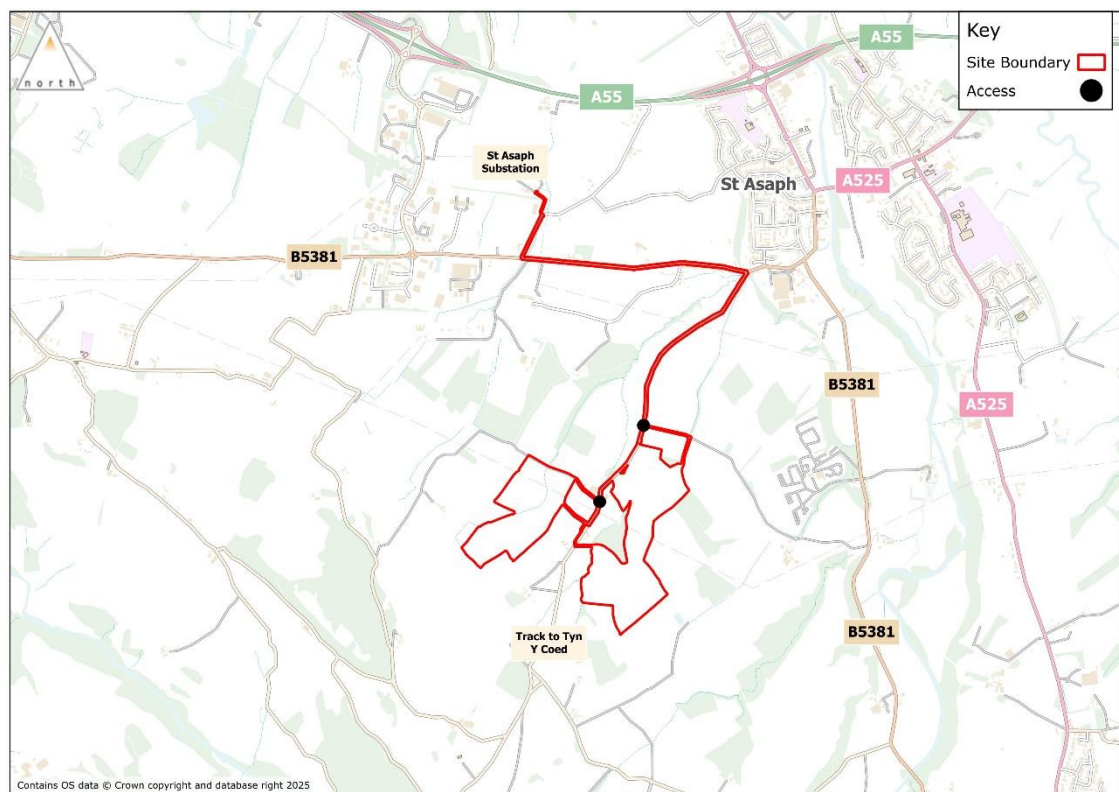


Figure 1.1 – Site location

- 1.3 The existing 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 DCC Adopted Roads online map¹ identifies the road the Site is accessed off as 'track to Tyn Y Coed'. Transport Planning Policy and Guidance.

Planning Policy Wales

- 1.4 National planning policy for Wales is contained within Planning Policy Wales (PPW), Edition 12, February 2024. 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 [My Denbighshire | Denbighshire County Council](#), accessed February 2026

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 to 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 to Energy storage, paragraph 5.712 of PPW states:

"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. TAN 18, adopted in March 2007, provides guidance on transport issues.

1.9 With regards to access to developments, paragraph 9.16 of TAN 18 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 outlines the aims of undertaking a Transport Assessment which are to:

- *"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."*

DCC Local Development Plan

- 1.11 The Denbighshire Local Development Plan (LDP) adopted in June 2013 continues to guide planning decisions until a replacement LDP is adopted.
- 1.12 The relevant LDP transport policies for future development and land use within Denbighshire are outlined as follows:
- Policy RD 1 'Sustainable development and good standard design' requires development proposals to *not* have: *"...an unacceptable effect on the local highway network as a result of congestion, danger and nuisance arising from traffic generated and incorporates traffic management/calming measures where necessary and appropriate"*.
 - Policy ASA1 'New transport infrastructure' states: *"Development proposals for the provision of new transport infrastructure and improvements to existing infrastructure facilities will be supported providing that the following criteria are met:*
 - *there is a need and justification for the proposal on economic and/or social grounds; and*
 - *there are no unacceptable effects on the natural and built environment; and*
 - *provision is made for safe access by all users, including cyclists, pedestrians and the mobility impaired."*
 - Policy ASA3 'Parking standards' states: *"Development proposals, including changes of use, will be expected to provide appropriate parking spaces for cars and bicycles. If the use of a property or premises requires parking infrastructure for mobility impaired people, these facilities will be taken into account when determining the amount of parking space required. Consideration will be given to the following circumstances (where they apply) in determining parking provision:*
 - *The site is located within a high-densely populated area;*
 - *Access to and availability of public transport is secured;*
 - *Parking is available within reasonable distance of the site;*
 - *Alternative forms of transport are available in the area."*
- 1.13 DCC is currently preparing a Replacement LDP 2018-2033 and sourcing final evidence and land allocations for the full Deposit Plan. Once this is finalised, it will be published for public consultation.

Denbighshire Renewable Energy

- 1.14 The Denbighshire Renewable Energy Supplementary Planning Guidance (SPG) document (April 2016) sets out specific guidance for energy projects. In respect of highway considerations, solar energy projects are not specifically referenced.

- 1.15 Paragraph 7.10.1 refers to traffic considerations at wind energy projects as follows: "Traffic movements during the construction and operation of a wind energy development may impact on the local road network during the construction phase, and the Council will need to be satisfied construction vehicles can access the site and the local highway is capable of accommodating construction traffic."

Scope of Report

- 1.16 Due to the expected limited traffic impact of the Development, a Transport Statement (TS) (rather than a full Transport Assessment) has been prepared in accordance with current best practice guidelines.
- 1.17 The remainder of this TS is as follows:
- Section 2 details the existing highway conditions in relation to the Site;
 - Section 3 provides an overview of the Development and details 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 likely impacts; 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**.

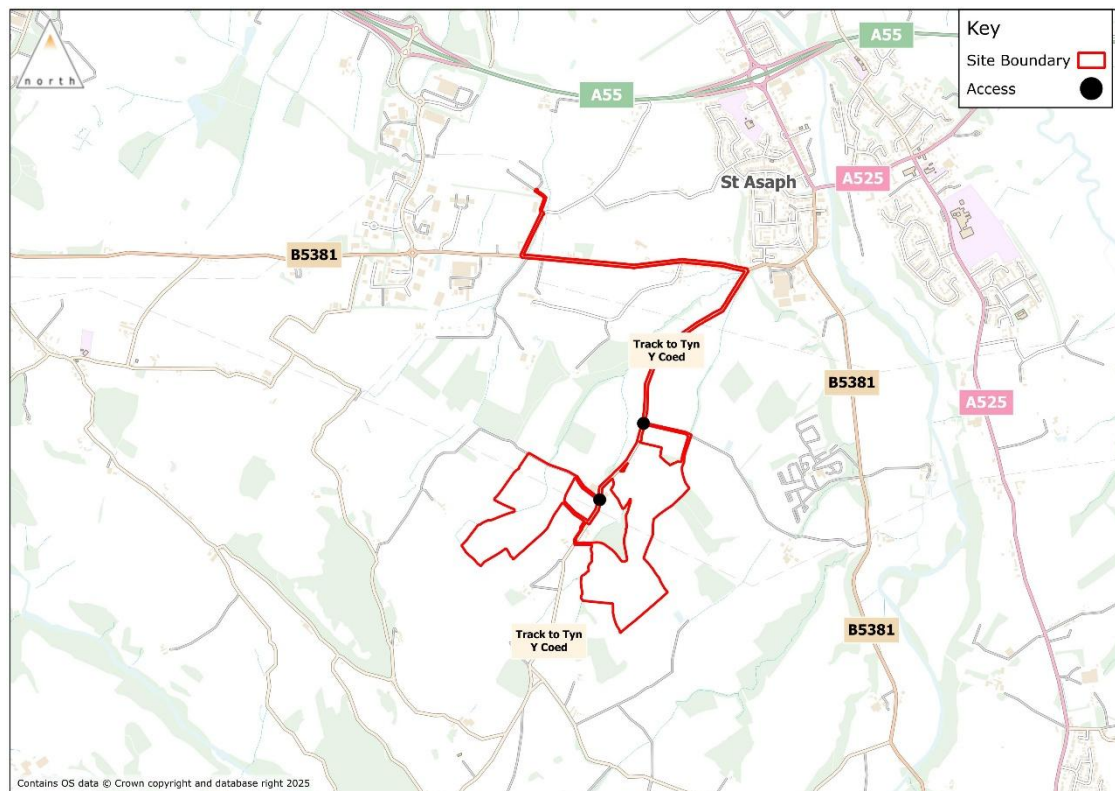


Figure 2.1 – Local Highway Network

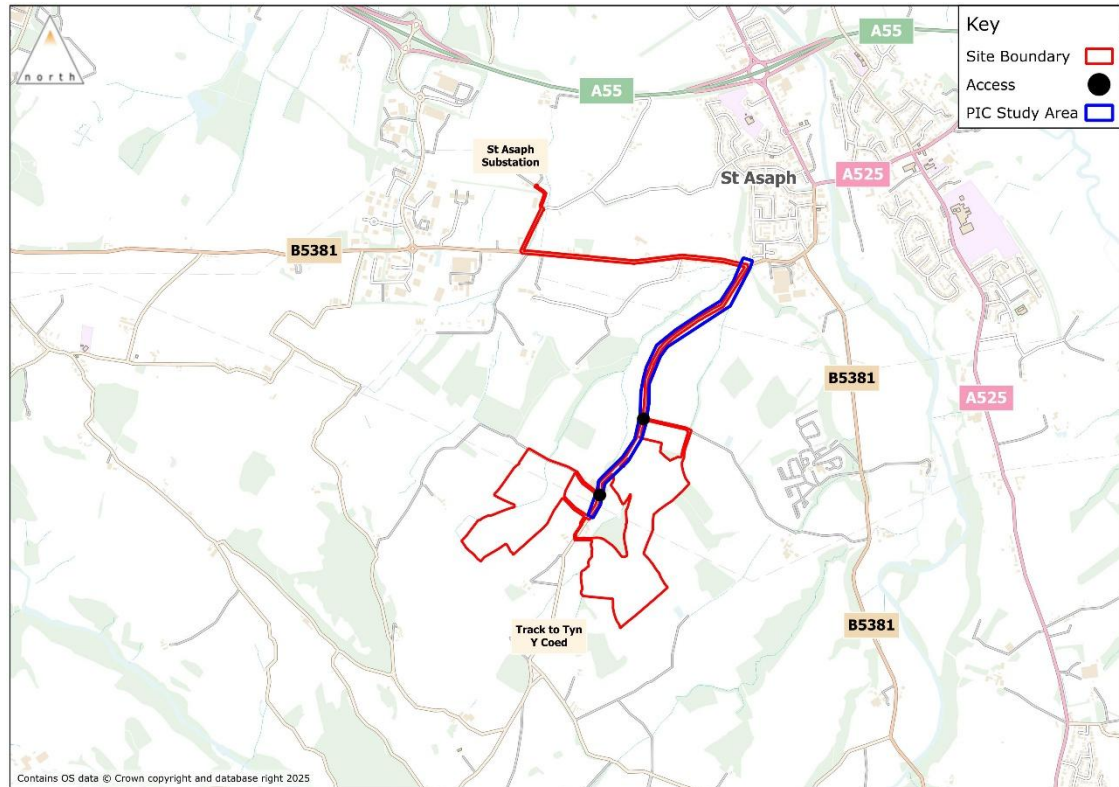
- 2.2 Track to Tyn Y Coed is a single carriageway road without street-lighting and the national speed limit (60mph) applies². It connects to Glascoed Road (B5381), which provides a connection to the A525 and St Asaph and connects to the B5381 further east.
- 2.3 A Department for Transport (DfT) traffic 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)".
- 2.4 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.
- 2.5 The recorded vehicle movements on the track to Tyn Y Coed suggest the road is lightly trafficked and accommodates HGVs.

² [Speed limits | Denbighshire County Council](#), accessed February 2026

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

- 2.6 Personal Injury Collision (PIC) data was obtained from Collision Plot for the adjoining highway network for the most recent five year period available up to 2024. The study area for the purpose of this assessment covers the section of the track to Tyn Y Coed between the B5381 (northern end) and just south of the southern site access (southern end) as shown in **Figure 2.2**.

Figure 2.2 – PIC Study Area Plan



- 2.7 No PIC's were identified within the study area for the latest five-year period available which suggests there are no existing safety issues on the local highway network.

Public Rights of Way (PRoW)

- 2.8 There are no Public Rights of Way (PRoW) within the Site boundary. The PRoW in proximity to the Site are illustrated in **Figure 2.3**.

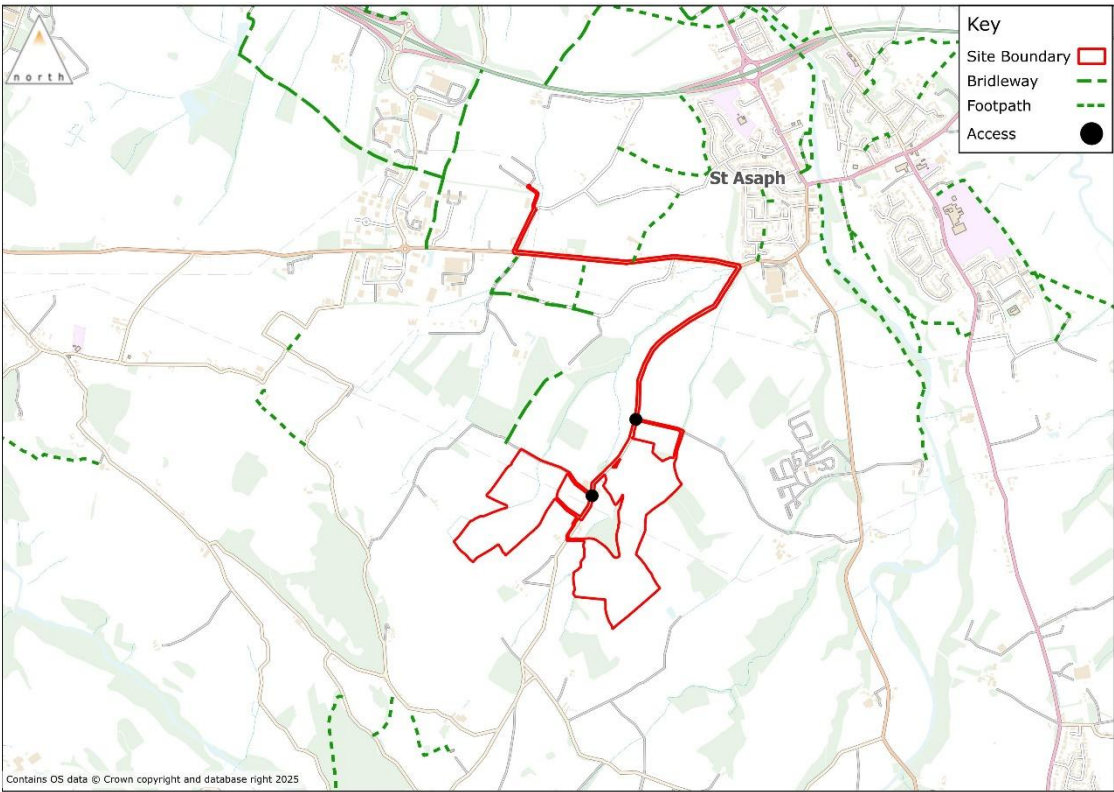


Figure 2.3 – PRoW Map

3.0 Proposed Development

Development Description

- 3.1 The planning application seeks permission for the construction, operation and decommissioning of a ground mounted photovoltaic (PV) solar farm with an electrical generating capacity of up to 18.44MW, together with associated equipment, infrastructure and ancillary works.
- 3.2 The Proposed Site Layout Plan is included at **Appendix A**.

Site Accesses

- 3.3 The proposed Northern Site Access provides vehicular access into the eastern areas of the Site. It makes use of an existing access provided into Tyn-y-Coed Farm and the surrounding agricultural fields.
- 3.4 The proposed Southern Site Access provides vehicular access into the western areas of the Site. It makes use of an existing access provided to Tyn-y-ffordd-bach and the surrounding agricultural fields.
- 3.5 A topographical survey was undertaken of the Site accesses 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**.
- 3.6 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 analysis confirms that the existing Northern Site Access geometry is suitable to accommodate the proposed entry and exit manoeuvres. For the Southern Site Access, the 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.
- 3.7 The national speed limit applies to the track to Tyn Y Coed which for this type of road is 60mph. A 60mph speed limit equates to a visibility requirement of 215 metres in each direction for both site accesses.
- 3.8 Speed surveys were conducted at the Northern Site Access between the 4th and 10th December 2024 along the track to Tyn Y Coed in the form of an Automatic Traffic Counter (ATC) survey. A 7 day 85th-percentile speed of 32.8mph northbound and 36.4mph southbound was recorded. The resulting visibility requirements equate to 49m northbound and 53m southbound of visibility. This level of visibility is achievable in both directions at the Northern Site Access when all vegetation within the visibility splay extent is kept to a maximum height of 0.6m.
- 3.9 The ATC results for the Northern Site Access are shown at **Appendix D**, the visibility splay distance calculation is shown at **Appendix E** and the visibility splay is shown at **Appendix F**.
- 3.10 ATC speed surveys were conducted at the Southern Site Access between the 22nd and 28th April 2022 along the track to Tyn Y Coed.. A 7 day 85th-percentile speed of 33.5mph northbound and 29.3mph southbound was recorded. The resulting visibility requirements equate to 50m northbound and 41m southbound of visibility. This level of visibility is achievable in both directions at the Southern Site Access with the visibility to the north measured 1m from the carriageway edge.
- 3.11 The ATC results for the Southern Site Access are shown at **Appendix H**, the visibility splay distance calculation is shown at **Appendix I** and the visibility splay is shown at **Appendix J**.
- 3.12 Notwithstanding the above, it is recommended that a banksman be positioned at the Site accesses to assist the safe entry and egress of construction vehicles.

Proposed Vehicular Routing Strategy

- 3.13 To manage construction traffic (both LGVs and HGVs) and to ensure traffic travels on appropriate 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 HGV movements during construction.

3.14 The access route to and from the Site can be viewed at **Figure 3.1** below:

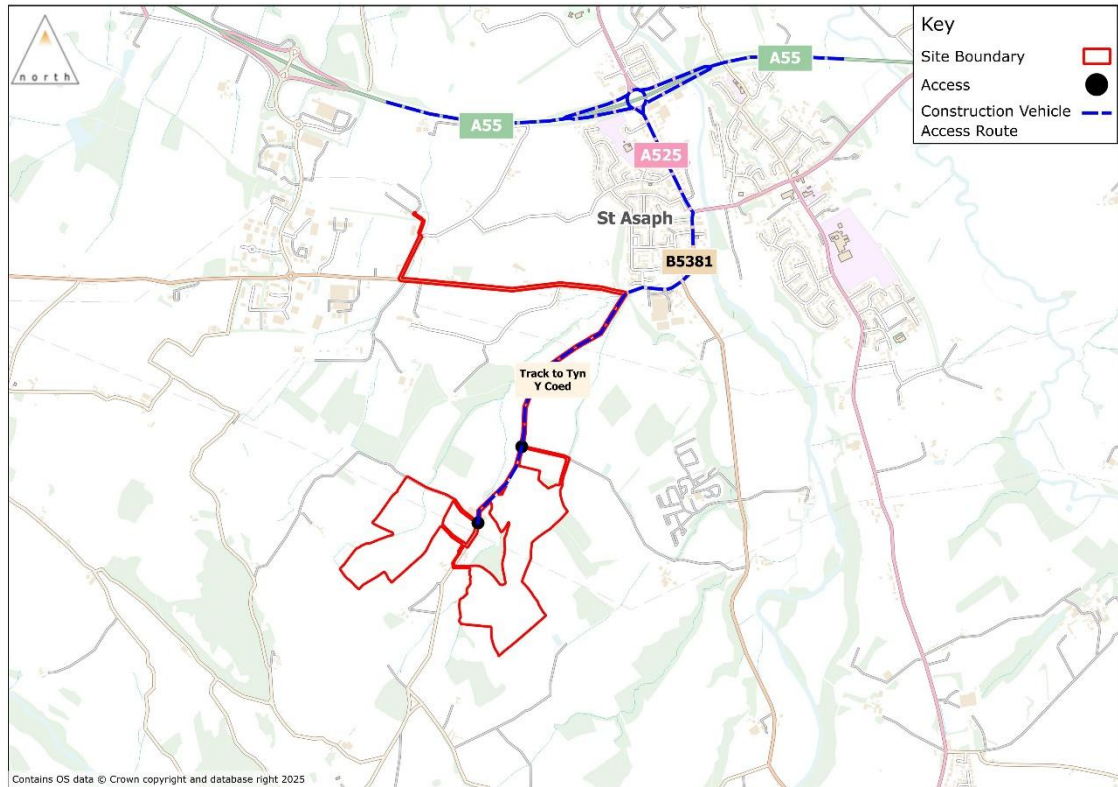


Figure 3.1 – Construction Vehicle Access Routes

3.15 As shown in **Figure 3.1**, the construction vehicle access routing is as follows:

- 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 either of the two site accesses are reached.

3.16 Construction vehicles will undertake the route described above in reverse when egressing the Site. A full Construction Traffic Management Plan (CTMP) has been prepared by the applicant to be submitted alongside the planning application. This CTMP provides greater detail of the construction management strategies to be implemented surrounding construction vehicle access.

Cable Route

3.17 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 in **Figure 3.2**.

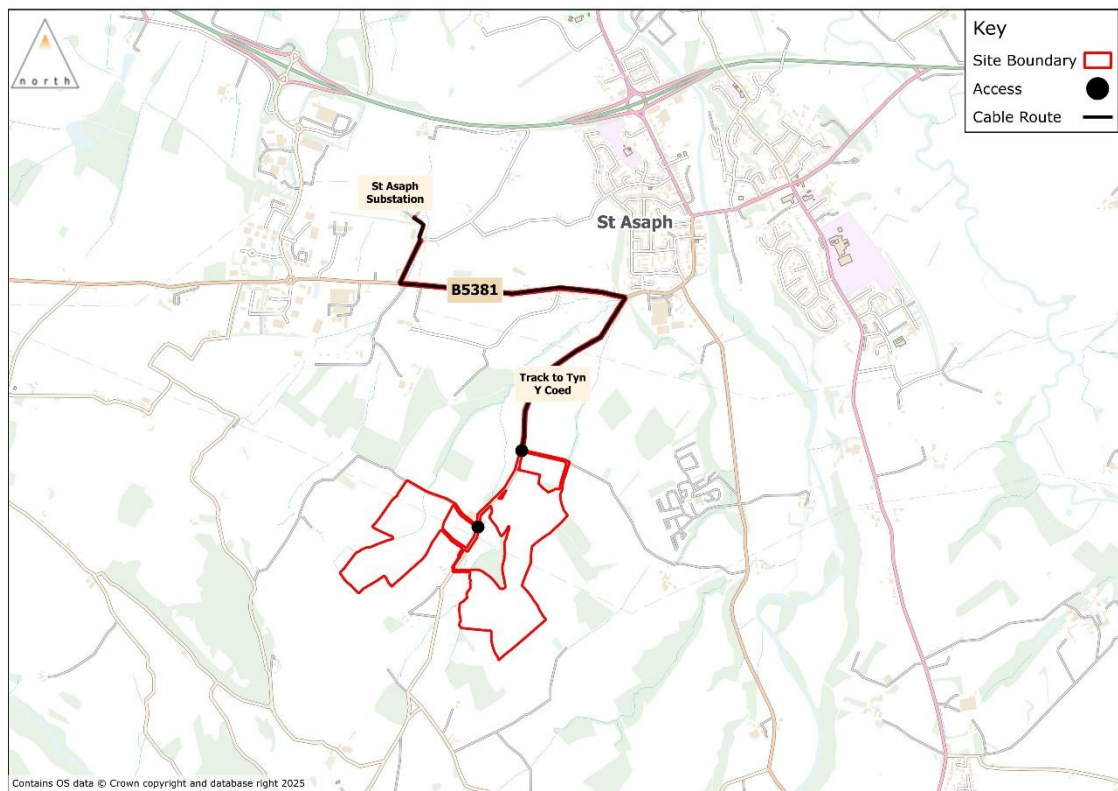


Figure 3.2 – Indicative Cable Route

- 3.18 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".
- 3.19 The detailed layout of the traffic management measures will be finalised alongside the detailed design of the Site.

4.0 Proposed Vehicle Movements

- 4.1 The Development comprises three phases: construction (36 weeks), operation (40 years) and decommissioning.

Construction and Decommissioning Phases

- 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). Forecast two-way vehicle movements associated with the construction phase is presented in **Table 4.1**.

Phase	Duration	Average two-way traffic movements
Construction	36 weeks	4 two-way HGV movements per day

Table 4.1: Forecast Construction Traffic Movements

- 4.3 As shown, during the construction phase an average of 4 two-way daily HGV movements are expected (2 lorries arriving and 2 lorries leaving). In addition to this, it is anticipated that there will be an additional 15 LGV / car movements per day (30 two-way) associated with construction staff movements.
- 4.4 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 and details of decommissioning will be secured prior to the 40-year expiration date.

Operational Phase

- 4.5 Forecast two-way vehicle movements associated with the operational phase is presented in **Table 4.2**.

Phase	Duration	Average two-way traffic movements
Operation	40 years	4 two-way movements each month

Table 4.2: Forecast Operational Traffic Movements

- 4.6 As shown, 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 negligible.

Traffic Impact and Mitigation

- 4.7 The Development is not expected to have any adverse impact on highway safety, particularly given the low number of vehicle movements expected to be generated by the Development.
- 4.8 The changes associated with the construction of the Development are considered 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

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 Statement 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 for 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 proposals accord with national and local policies relevant to transport.
 - Safe and suitable access to the Site can be achieved. The Development will be accessed via two existing accesses off the track to Tyn Y Coed and the southern access will be widened.
 - The Development is not expected to have any adverse impacts on highway safety or the existing operation and free flow of traffic on the adjoining highway network. No PICs were identified within the study area and the level of traffic associated with the proposals is considered minimal.
 - 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.
 - Construction vehicle access routes have been identified to help manage construction traffic and assign it to the most appropriate roads. A Construction Traffic Management Plan (CTMP) has been prepared by the applicant to set out the mitigation measures of HGV movements generated by the construction phase. 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 volume of vehicle trips generated by the construction and operational phases of the Development are considered negligible and would have an imperceptible impact on the operation of the local highway network. As such, no residual traffic impacts are 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 meet 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

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

AL ARCH LEVEL	OHC OVERHEAD CABLE
AV AIR VALVE	OSB OS BENCHMARK
BL BOLLARD	PO POST
BB BELUSHA BEACON	PRR POST & RAIL FENCE
BH BOPHOLE	PWF POST & WIRE FENCE
BT BT COVER	RE RODDING EYE
BWF BARBED WIRE FENCE	RF ROCK FACE
C/B CLOSE BOARD FENCE	RP REFLECTOR POST
CL CHAIN LINK FENCE	RW RETAINING WALL
CL COVER LEVEL	SAP SAPPING
CT CCTV	SEC SECURITY CAMERA
D DIAMETER	SGY STRIP GULLY
DK DROPPED KERB	SI SIGN POST
DP DOWNPIPE	SV STOP VALVE
EC ELECTRIC INSP. COVER	SY CABLE STAY
EP EARTH ROD	TCB TELEPHONE KIOSK
ER EARTH ROD	TOW TOP OF WALL
FL FLOOR LEVEL	TOH TOP OF HEDGE
FP FLAG POLE	TP TELEPHONE POLE
GU GULLY	TRK TRACK LINE
GU/D GULLY & DOWNPIPE	TL TRAFFIC LIGHT
GP GATE POST	VP VENT PIPE
GV GAS VALVE	WM WOODEN PANEL FENCE
IC INSPECTION COVER	WM WIRE MESH FENCE
IL INVERT LEVEL	WL WATER LEVEL
IR IRON RAILING FENCE	WM WATER METER
KO KERB OUTLET	WT WATER TAP
LP LAMP POST	
MH MANHOLE	
MKR MARKER	
CHB OVERHEAD BUILDING	

STATION CO-ORDINATES

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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
info@3dlandsurveys.co.uk**

Drawn By	Checked By	Publish Date	Scale(s)
BRO	BRO	16/01/25	1:2500 @ A1
Drawing No.	Drawing Title	Revision	
21-101	St_Asaph_Topo_01_3D	0	

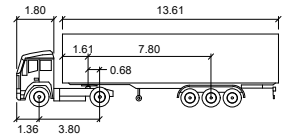
Appendix C

Swept Path Analysis - 16.5m HGV – Northern Access

C:\Users\ford\Motion\StaffSite - Andenb 2110010\Drawings\211001-06B_09C_TK10B_And TK12B.dwg



- Notes
1. All levels and dimensions to be checked on site before any work commences. All dimensions in metres unless stated otherwise.
 2. This drawing is based on survey information supplied by Anesco Ltd. Motion cannot guarantee the accuracy of the data provided.
 3. Motion accepts no liability for any vehicle specification errors or inaccuracies within the vehicle tracking software used / or it's vehicle libraries. The vehicles speeds used for the analysis are as follows: forward 6kph / reversing 6kph.



Artic		meters	
Tractor Width	: 2.55	Lock to Lock Time	
Trailer Width	: 2.55	Steering Angle	
Tractor Track	: 2.55	Articulating Angle	
Trailer Track	: 2.55		

B	Updated Layout	EF	EF	LH	17/03/2026
A	Updated Layout	EF	MS	LH	12/03/2026
-	First Issue	EF	MS	MS	10/02/2026
Rev.	Description	Drm	Chk	App	Date

Drawing Status:

FOR PLANNING
NOT FOR CONSTRUCTION



Client:
Anesco Ltd

Project:
St Asaph, Solar Farm, Denbeighshire, LL17 0EW

Title:
**Swept Path Analysis
16.5m Articulated HGV
Northern Access**

Scale: 1:500 (@ A3)

Drawing:
2110010-TK10

Revision:
B

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 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	12	1	0	0	0	0	0	0	0	0	0	0	0	13
11	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
12	0	8	2	0	0	0	0	0	0	0	0	0	0	0	10
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	6	1	0	0	0	0	0	0	0	0	0	0	0	7
16	0	9	3	0	0	0	0	0	0	0	0	0	0	0	12
17	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7
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	92	17	0	0	0	0	0	0	0	0	0	0	109
		6-22	100	21	1	0	0	0	0	0	0	0	0	0	122
		6-24	103	21	1	0	0	0	0	0	0	0	0	0	125
		0-24	106	21	1	0	0	0	0	0	0	0	0	0	128

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	3	0	0	0	0	0	0	0	0	0	0	0	0	3
8	0	3	1	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	4	4	0	0	0	0	1	0	0	0	0	0	0	9
11	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
12	0	6	3	0	0	1	0	0	0	0	0	0	0	0	10
13	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
14	0	10	3	0	0	0	0	0	0	0	0	0	0	0	13
15	0	16	0	0	0	1	0	0	1	0	0	0	0	0	18
16	0	9	3	0	0	0	0	1	0	0	0	0	0	0	13
17	0	9	2	1	0	0	0	0	0	0	0	0	0	0	12
18	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
19	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
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	21	1	0	2	0	2	0	1	0	0	0	117
		6-22	100	24	1	0	2	0	2	0	1	0	0	0	130
		6-24	102	24	1	0	2	0	2	0	1	0	0	0	132
		0-24	102	24	2	0	2	0	2	0	1	0	0	0	133

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	3	2	0	0	0	0	0	0	0	0	0	0	0	5
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	10	1	0	0	0	0	0	0	0	0	0	0	0	11
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	8	3	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	8	0	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	94	19	0	0	0	1	0	0	0	0	0	0	114
		6-22	111	21	0	0	0	1	0	0	0	0	0	0	133
		6-24	111	21	0	0	0	1	0	0	0	0	0	0	133
		0-24	114	21	0	0	0	1	0	0	0	0	0	0	136

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 Ranges:	7-19	1	0	1	20	39	42	10	2	2	0	0	0	117
	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		Vehicle Speeds (MPH)													TOTAL
05/12/2024															
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	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.



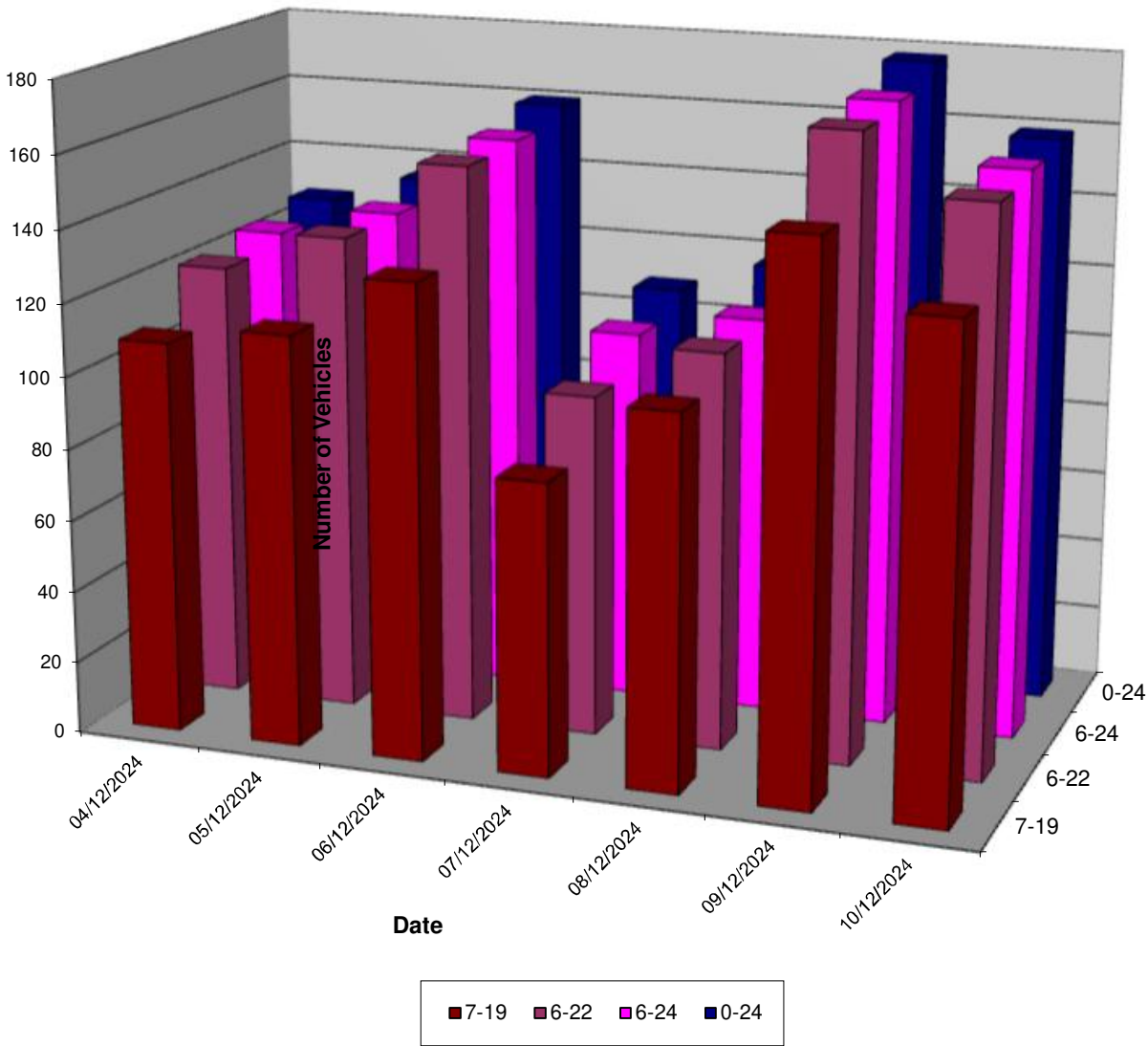
Channel - Northbound

Vehicle Flow

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024		
		Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	5 Day Ave	7 Day Ave
Hour	Min									
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	7-19	109	114	131	81	103	151	133	128	117
Ranges:	6-22	122	133	155	95	110	171	155	147	134
	6-24	125	133	156	104	111	173	157	149	137
	0-24	128	136	160	109	118	178	159	152	141

Vehicle Flow (Channel 1)



Channel - Southbound

Vehicle Flow

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024		
		Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	5 Day Ave	7 Day Ave
Hour	Min									
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

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Hour	Min	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	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
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Channel - Northbound

85th Percentile

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Hour	Min	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	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
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Channel - Southbound

Average Speed

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Hour	Min	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	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
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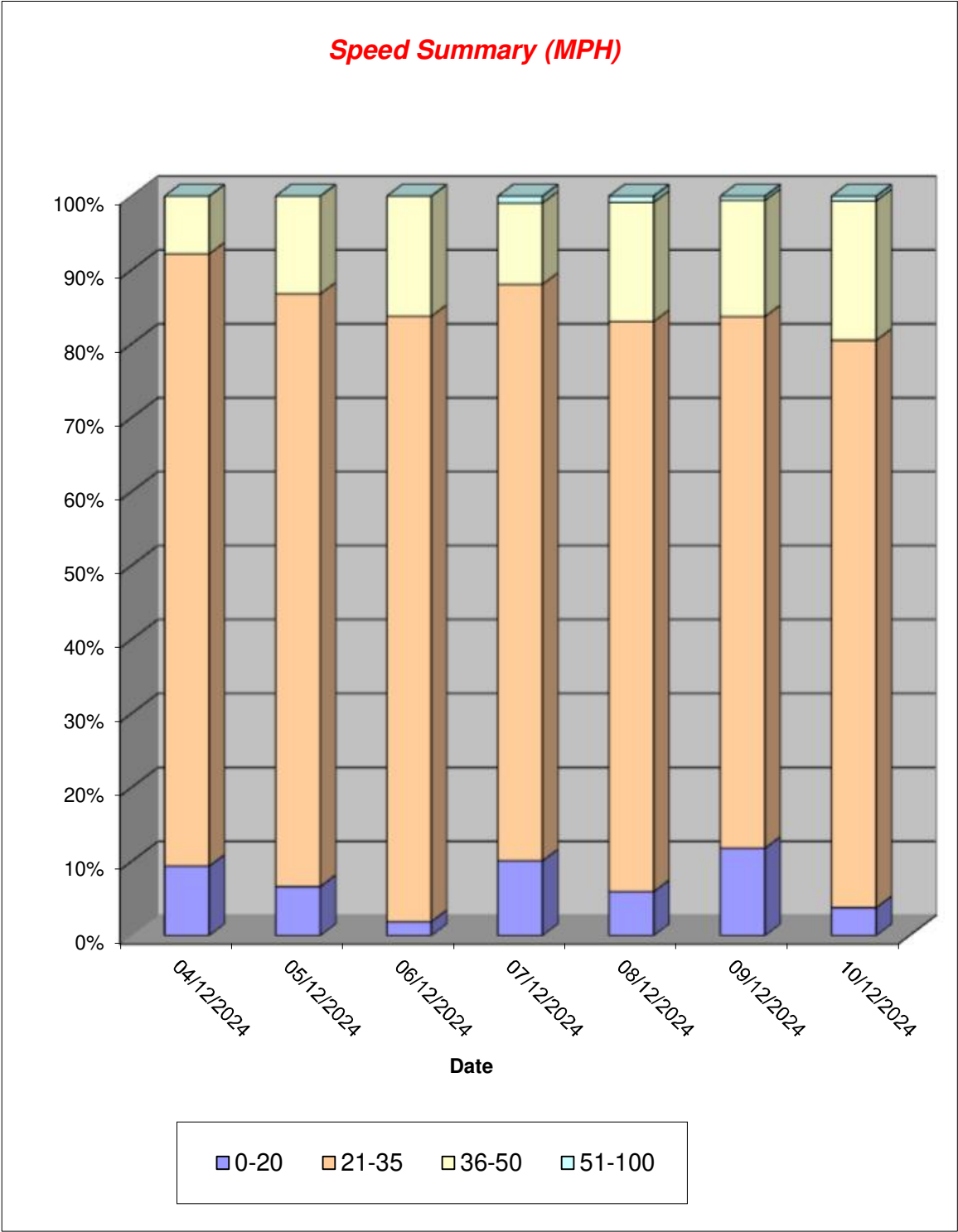
St Asaph, Denbighshire - ATC 1 - Unnamed Road

Produced by Streetwise Services Ltd.



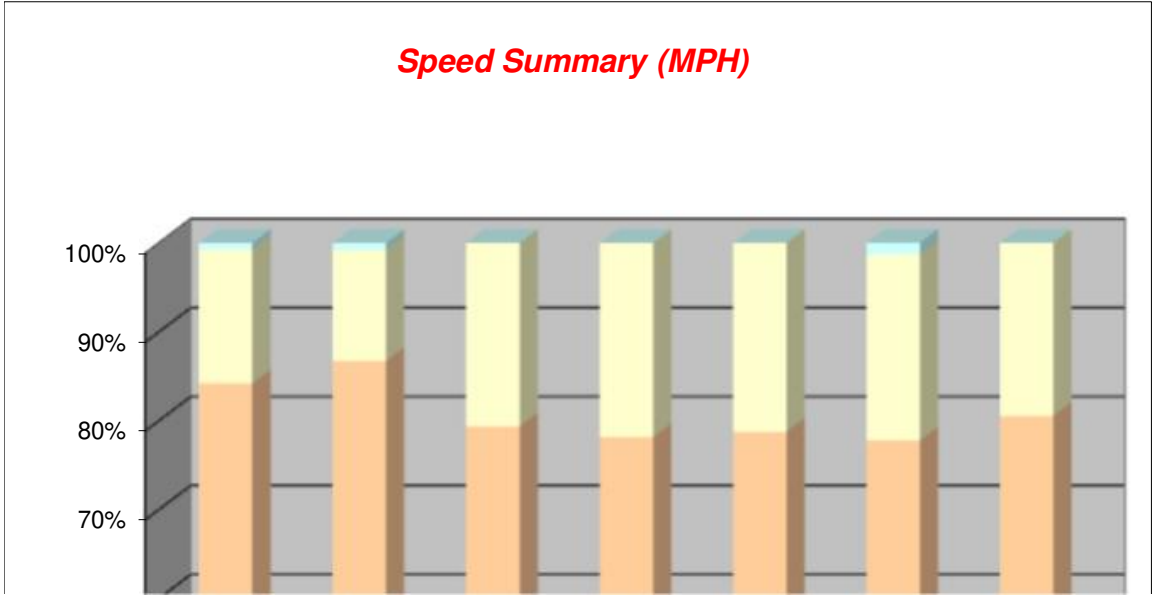
Channel - Northbound
Speed Summary

	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

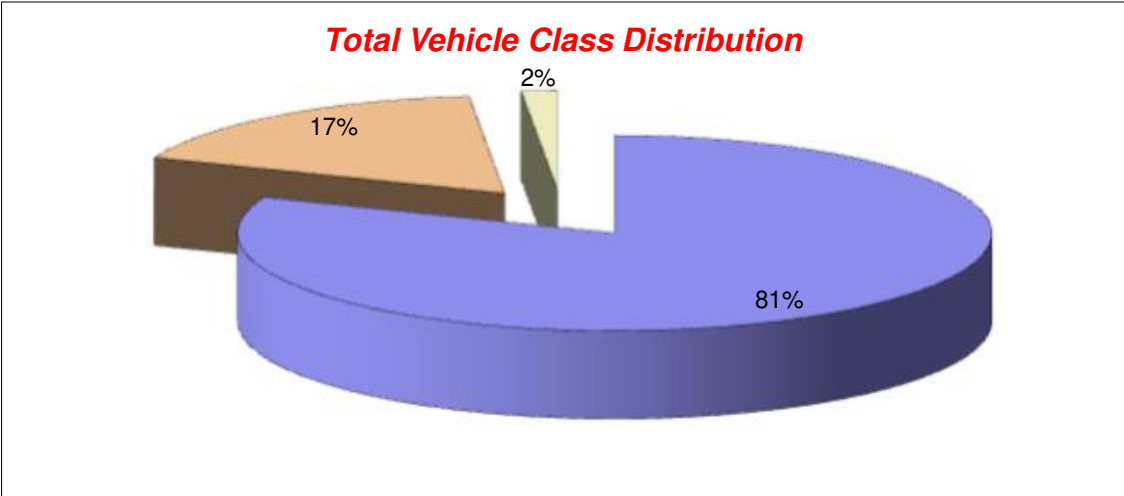
Produced by Streetwise Services Ltd.



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														
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	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	7-19	78	20	0	0	4	0	0	0	0	0	0	0	0	102
Ranges:	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														
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	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	7-19	103	26	0	0	2	0	0	0	0	0	0	0	0	131
Ranges:	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														
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	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	7-19	100	24	1	0	2	0	0	0	1	0	0	0	0	128
Ranges:	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														
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)												
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	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
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)												
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	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
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)												
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	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

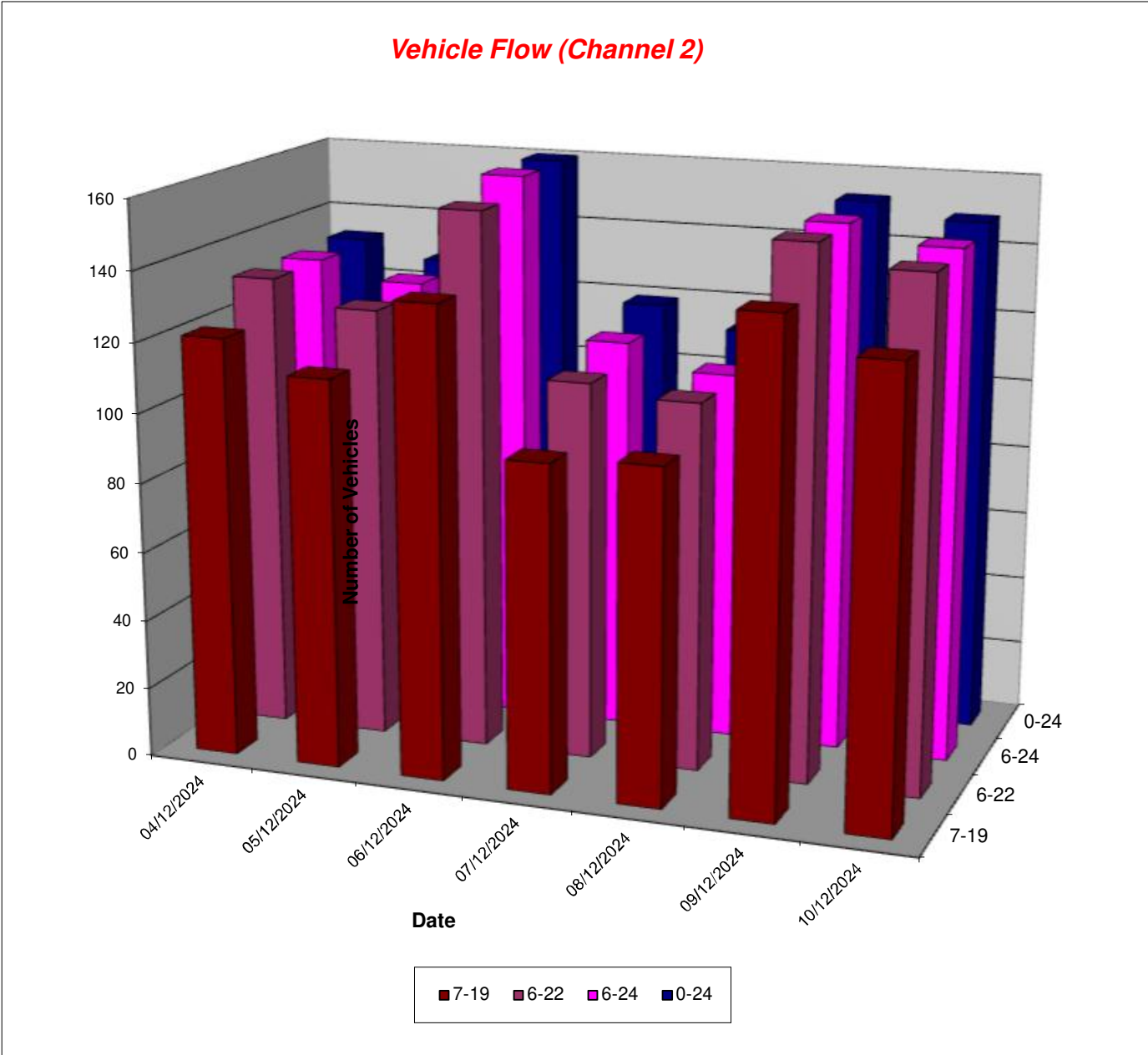
Hour	7-19	0	1	2	13	41	49	17	4	1	0	0	0	128
Ranges:	6-22	0	1	3	14	48	54	23	6	2	0	0	0	151
	6-24	0	1	4	16	50	56	25	6	2	0	0	0	160
	0-24	0	1	4	16	50	56	25	6	2	0	0	0	160

Channel - Northbound

Saturday														
07/12/2024		Vehicle Speeds (MPH)												
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

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



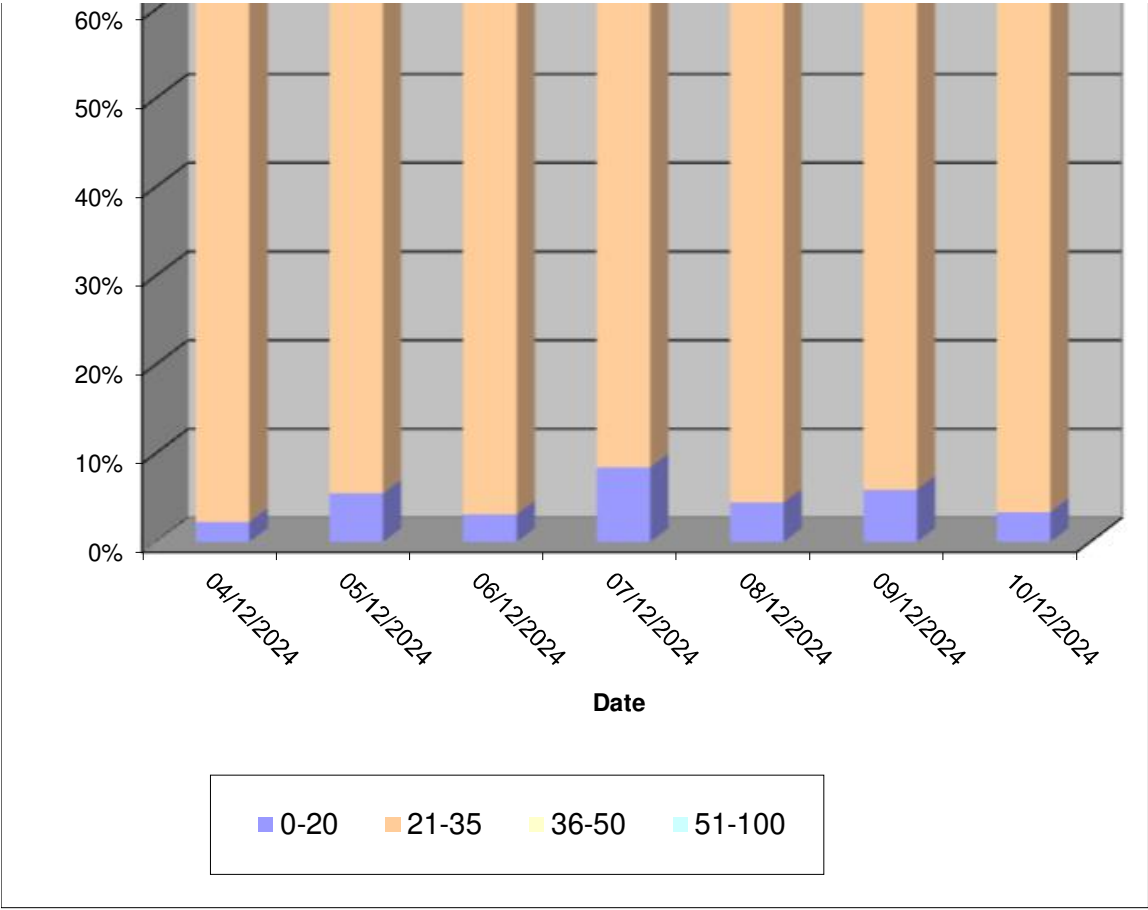
Channel - Southbound

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

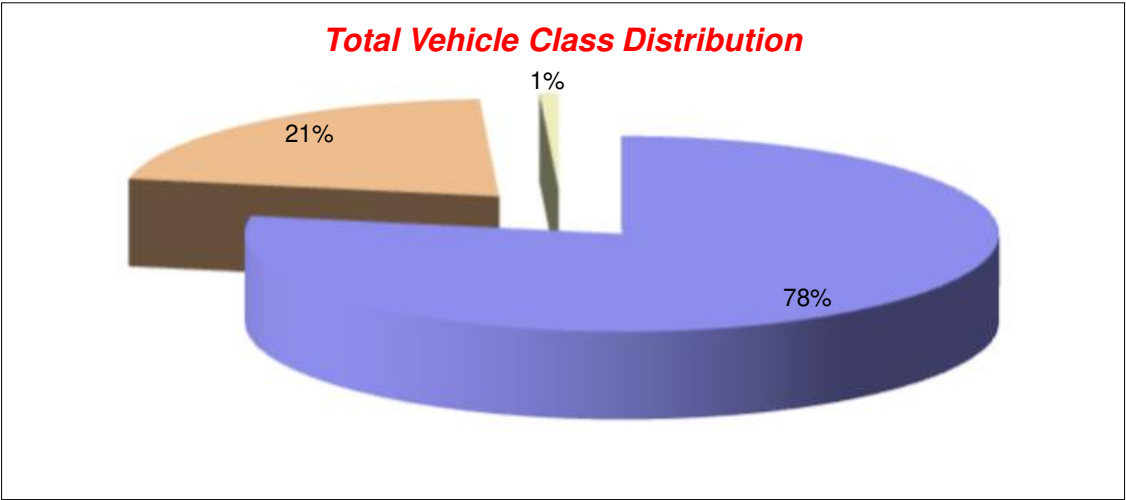
Hour	10-12	32.9	35.3	36.4	30.6	36.2	32.1	33.0
Ranges:	14-16	34.6	32.8	37.5	33.7	35.2	34.9	36.1
	0-24	35.6	34.9	36.6	36.6	37.8	37.2	35.9

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

Average				
7-19	86	24	1	111
6-22	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														
07/12/2024		Vehicle Speeds (MPH)												
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														
08/12/2024		Vehicle Speeds (MPH)												
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														
08/12/2024		Vehicle Speeds (MPH)												
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
5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	6	3	0	0	0	0	0	0	0	0	0	0	0	0
7	0	11	3	0	0	0	0	0	0	0	0	0	0	0	0
8	0	11	1	0	0	0	0	0	0	0	0	0	1	0	0
9	0	12	2	0	0	0	0	0	1	0	0	0	0	0	0
10	0	8	5	1	0	0	0	0	0	0	0	0	1	0	0
11	0	9	0	0	0	0	0	0	0	1	0	0	0	0	0
12	0	10	0	0	0	0	0	0	1	0	0	0	0	0	0
13	0	4	4	0	0	0	0	0	2	0	0	0	0	0	0
14	0	9	1	0	0	1	0	0	0	0	0	0	0	0	0
15	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	7	1	0	0	0	0	0	1	0	0	0	0	0	0
17	0	8	1	0	0	0	0	0	1	0	0	0	0	0	0
18	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0
19	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0
20	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	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	0
23	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 10/12/2024		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	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	0
6	0	0	0	0	2	3	3	0	1	0	0	0	0	0
7	0	0	0	0	2	3	4	2	3	0	0	0	0	0
8	0	0	0	0	0	4	8	1	0	0	0	0	0	0
9	0	0	0	2	5	5	2	1	0	0	0	0	0	0
10	0	0	0	0	3	8	4	0	0	0	0	0	0	0
11	0	0	0	0	4	2	2	0	2	0	0	0	0	0
12	0	0	0	0	2	4	1	2	0	2	0	0	0	0
13	0	0	0	0	3	3	1	2	1	0	0	0	0	0
14	0	0	1	2	1	3	2	2	0	0	0	0	0	0
15	0	0	0	0	0	4	3	1	0	0	0	0	0	0
16	0	0	0	0	2	3	2	0	1	1	0	0	0	0
17	0	0	0	0	1	6	1	2	0	0	0	0	0	0
18	0	0	0	0	1	2	2	1	0	0	1	0	0	0
19	0	0	0	0	0	4	3	2	0	0	0	0	0	0
20	0	0	0	1	0	1	1	0	0	0	0	0	0	0
21	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	1	0	1	0	0	0	0
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														
10/12/2024		Vehicle Speeds (MPH)												
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	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
85thile 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
85thile 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
85thile 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, 3 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.

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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	107
		6-22	97	22	1	0	0	0	0	0	0	0	0	0	120
		6-24	100	22	1	0	0	0	0	0	0	0	0	0	123
		0-24	103	22	1	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	0	1	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													
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	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	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	1	1	0	1	0	0	0	0	0	3
6	0	0	0	0	3	3	3	0	0	0	0	0	0	0	9
7	0	0	0	0	3	11	1	1	0	0	0	0	0	0	16
8	0	0	0	1	2	2	1	0	0	0	0	0	0	0	6
9	0	0	0	2	4	4	1	0	0	0	0	0	0	0	11
10	0	0	1	2	3	7	1	2	0	0	0	0	0	0	16
11	0	0	0	0	1	2	2	0	0	0	0	0	0	0	5
12	0	0	0	0	5	3	0	0	0	0	0	0	0	0	8
13	0	0	0	0	3	2	0	0	0	0	0	0	0	0	5
14	0	0	0	1	3	8	0	0	0	0	0	0	0	0	12
15	0	0	0	0	0	3	3	0	0	0	0	0	0	0	6
16	0	0	0	0	2	9	1	0	0	0	0	0	0	0	12
17	0	0	0	1	1	1	1	1	0	1	0	0	0	0	6
18	0	0	0	1	0	2	1	0	0	0	0	0	0	0	4
19	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3
20	0	0	0	0	0	1	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	0	0	0	0	1	1	0	0	0	0	0	0	0	2
23	0	0	1	0	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	0	107
Ranges:	6-22	0	1	8	30	60	16	4	0	1	0	0	0	0	120
	6-24	0	2	8	30	61	17	4	0	1	0	0	0	0	123
	0-24	0	2	8	30	62	18	4	1	1	0	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 Ranges:	7-19	1	5	15	35	41	16	2	0	0	0	0	0	115
	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		Vehicle Speeds (MPH)													TOTAL
05/12/2024															
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	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

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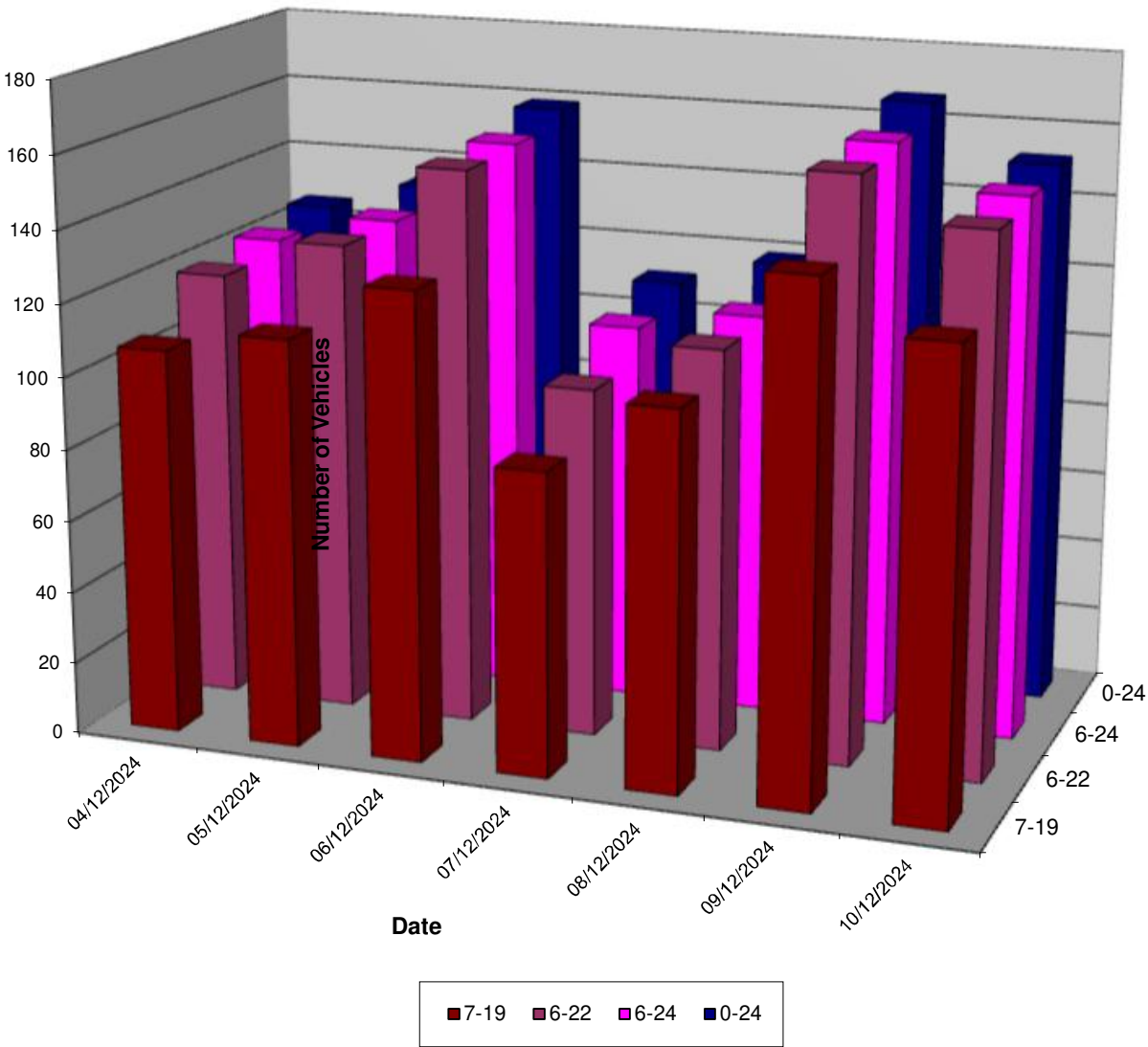
Channel - Northbound

Vehicle Flow

Hour	Min	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024	5 Day Ave	7 Day Ave
		Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday		
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	7-19	107	113	129	84	104	141	127	123	115
Ranges:	6-22	120	131	154	97	111	160	148	143	132
	6-24	123	131	155	106	112	162	150	144	134
	0-24	126	134	159	111	119	167	152	148	138

Vehicle Flow (Channel 1)



Channel - Southbound

Vehicle Flow

Hour	Min	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024	5 Day Ave	7 Day Ave
		Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday		
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

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Hour	Min	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	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
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Channel - Northbound

85th Percentile

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Hour	Min	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	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
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Channel - Southbound

Average Speed

		04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024
Hour	Min	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	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
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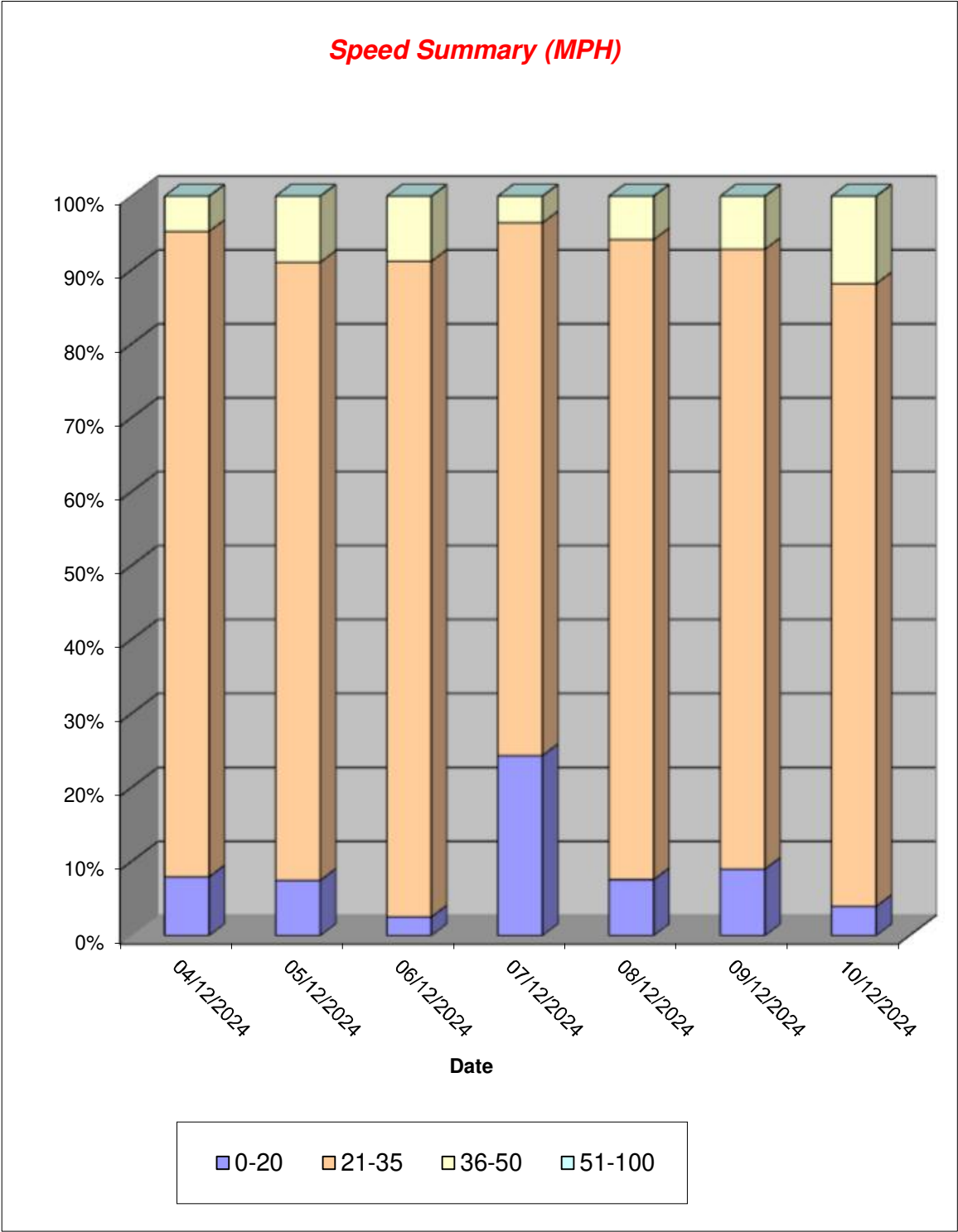
St Asaph, Denbighshire - ATC 2 - Unnamed Road

Produced by Streetwise Services Ltd.



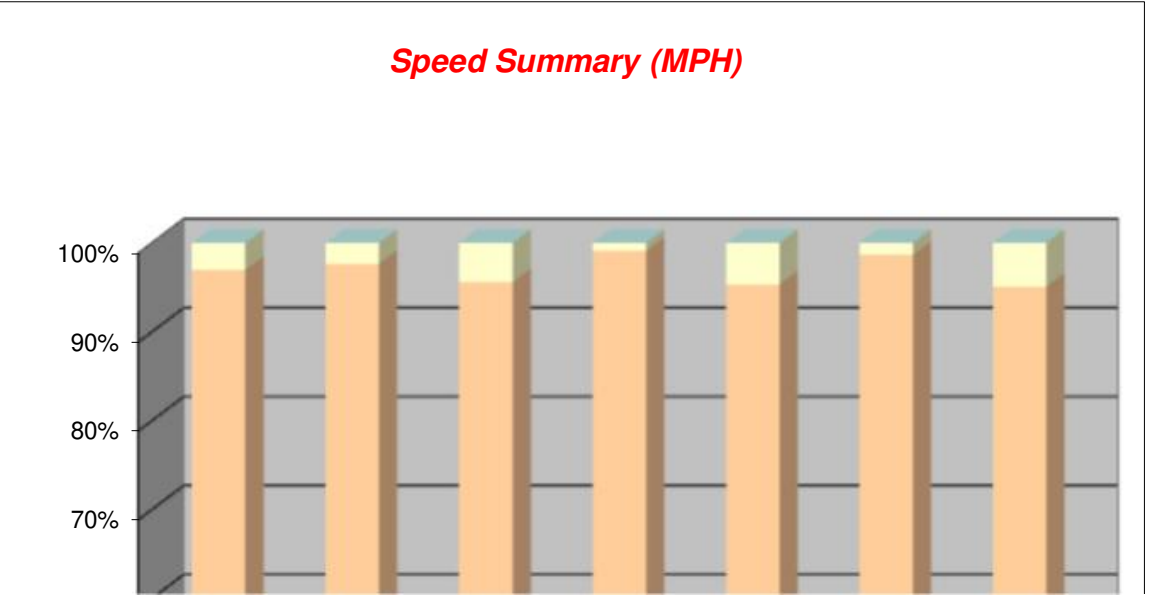
Channel - Northbound
Speed Summary

	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

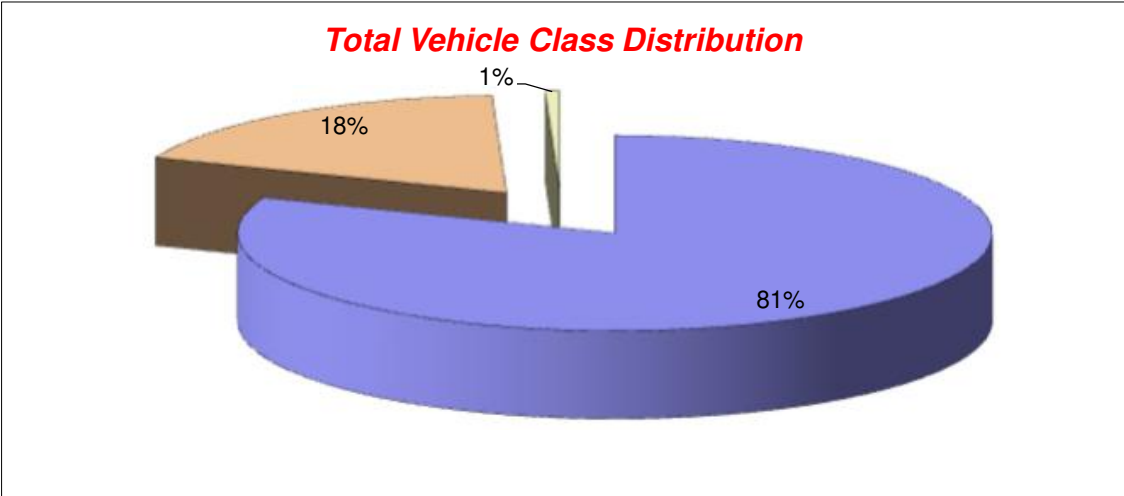
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Channel - Northbound

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														
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	7-19	80	18	0	0	3	0	0	0	0	0	0	0	0	101
Ranges:	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		Vehicle Classes														TOTAL
06/12/2024		1	2	3	4	5	6	7	8	9	10	11	12	13		
Hour	Min	1	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	0	0
2	0	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	0
4	0	1	0	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	0	2
6	0	3	2	0	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	0	16
8	0	11	1	0	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	0	7
10	0	8	4	0	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	0	9
12	0	9	2	0	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	0	17
14	0	6	1	0	0	1	0	0	0	0	0	0	0	0	0	8
15	0	10	1	0	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	0	8
17	0	7	2	0	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	0	9
19	0	6	1	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	0	8
21	0	5	0	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	0
23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1

Hour	7-19	99	28	0	0	2	0	0	0	0	0	0	0	0	129
Ranges:	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														
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	7-19	102	20	1	0	2	0	0	0	1	0	0	0	0	126
Ranges:	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													
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)												
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	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	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	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)												
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	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)													
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	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	

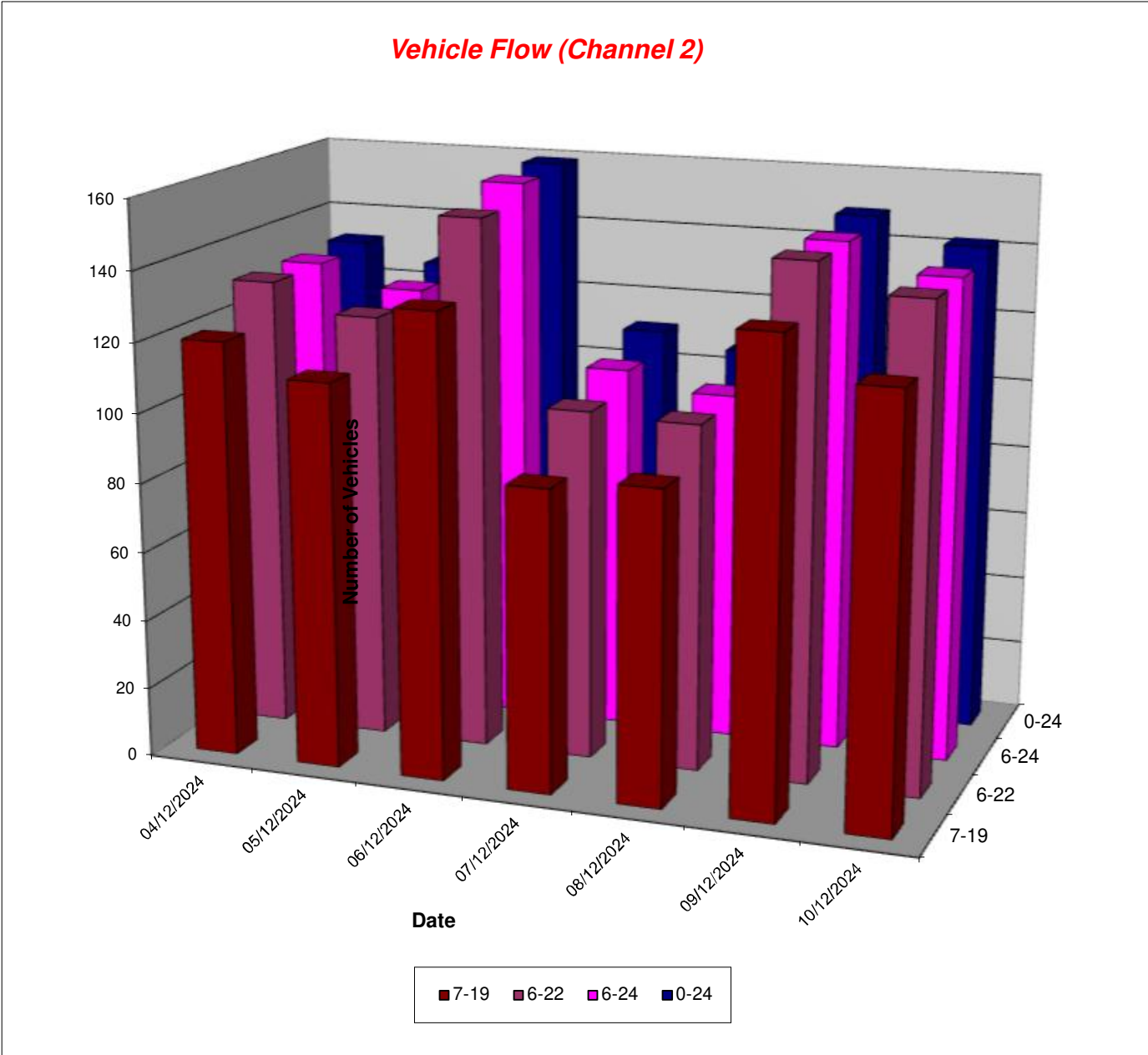
Hour	7-19	0	0	12	38	54	16	4	2	0	0	0	0	126
Ranges:	6-22	0	1	13	43	62	23	5	2	0	0	0	0	149
	6-24	0	2	15	46	65	23	5	2	0	0	0	0	158
	0-24	0	2	15	47	65	23	5	2	0	0	0	0	159

Channel - Northbound

Saturday															
07/12/2024		Vehicle Speeds (MPH)													
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	

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	106	101	147	139	140	130
	0-24	132	127	159	111	107	149	142	142	132



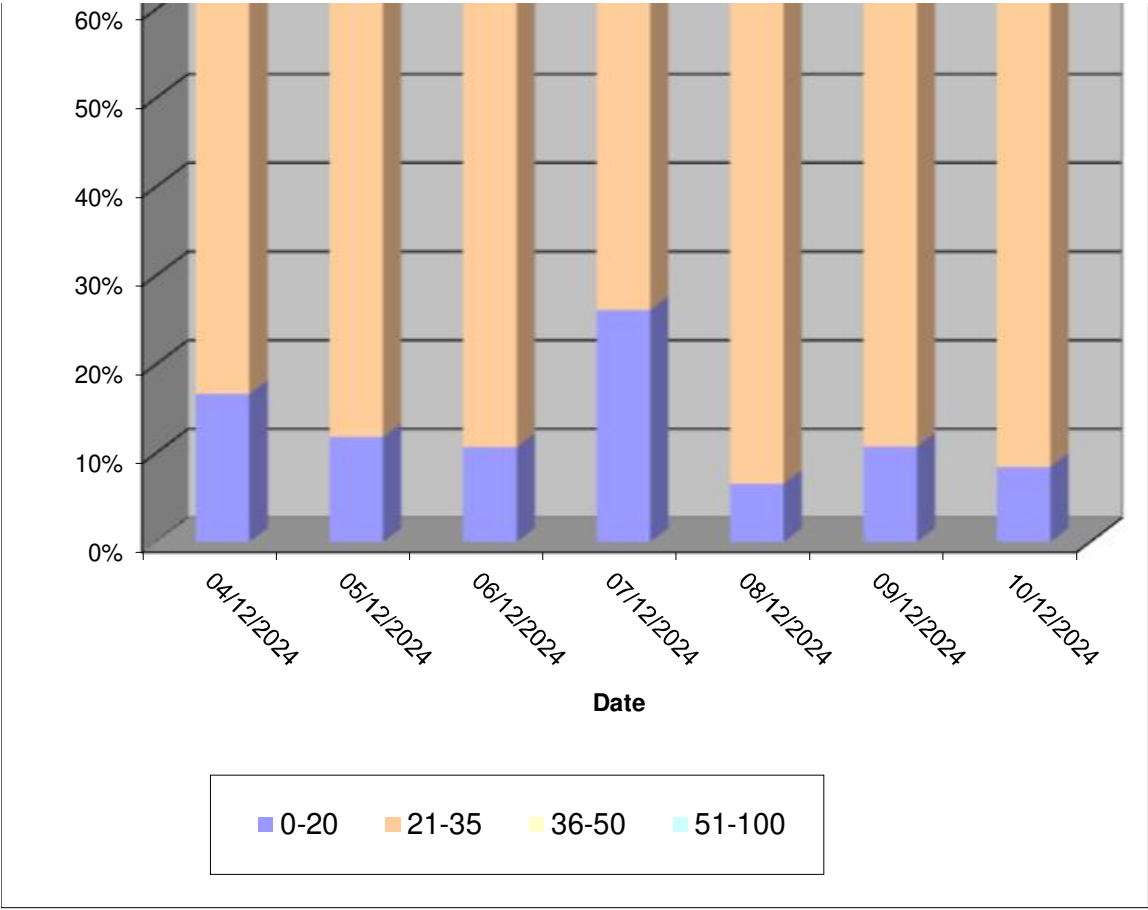
Channel - Southbound

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	-	-

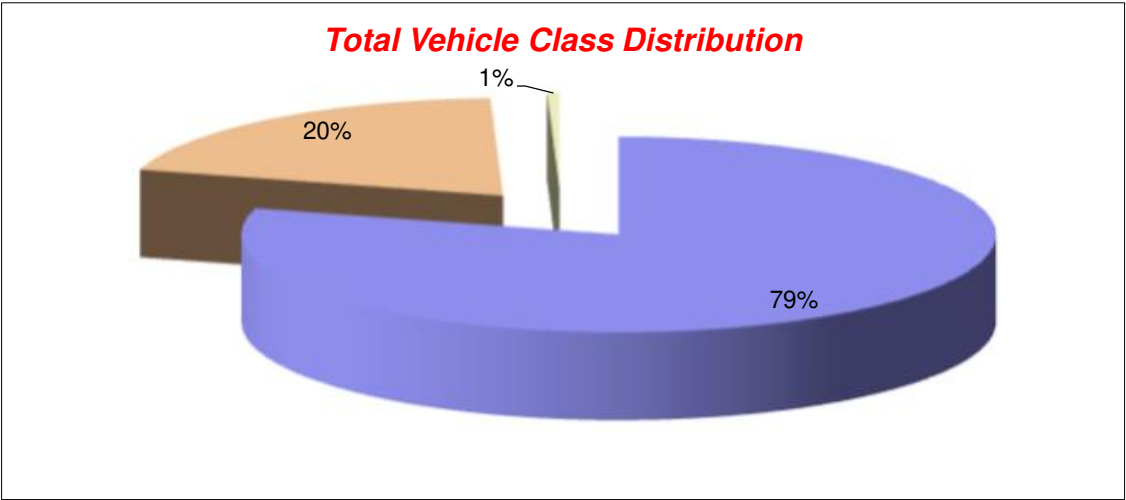
Hour	10-12	29.3	28.9	32.4	22.9	29.9	27.4	28.5
Ranges:	14-16	28.4	25.8	31.1	24.9	29.5	30.6	30.4
	0-24	31.2	29.9	31.5	31.9	31.9	32.4	31.4

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



Hour	7-19	1	4	20	34	19	5	1	0	0	0	0	0	84
Ranges:	6-22	1	4	21	35	24	10	2	0	0	0	0	0	97
	6-24	1	4	22	37	26	13	2	1	0	0	0	0	106
	0-24	1	4	22	38	28	14	3	1	0	0	0	0	111

Hour	7-19	1	3	22	29	13	7	1	0	0	0	0	0	76
Ranges:	6-22	1	4	23	32	18	16	1	0	0	0	0	0	95
	6-24	1	4	23	34	22	20	1	0	0	0	0	0	106
	0-24	1	4	24	35	23	23	1	0	0	0	0	0	111

Hour Ranges:	7-19	0	0	8	27	34	29	5	0	1	0	0	0	104
	6-22	0	0	8	30	36	31	5	0	1	0	0	0	111
	6-24	0	0	8	31	36	31	5	0	1	0	0	0	112
	0-24	0	0	9	32	38	33	6	0	1	0	0	0	119

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 10/12/2024		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	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	0
6	0	0	0	1	0	4	2	1	0	0	0	0	0	0
7	0	0	0	0	0	3	4	3	4	0	0	0	0	0
8	0	0	0	0	0	3	3	6	1	0	0	0	0	0
9	0	0	0	0	0	4	8	1	0	0	0	0	0	0
10	0	0	0	0	0	4	12	1	0	0	0	0	0	0
11	0	0	0	0	0	2	3	3	1	0	0	0	0	0
12	0	0	0	0	0	3	3	2	0	2	0	0	0	0
13	0	0	0	0	0	1	4	1	2	0	0	0	0	0
14	0	0	0	1	2	3	3	0	0	0	0	0	0	0
15	0	0	0	1	2	3	2	0	0	0	0	0	0	0
16	0	0	0	0	2	3	2	2	0	1	0	0	0	0
17	0	0	0	0	0	1	5	2	1	0	0	0	0	0
18	0	0	0	1	1	1	3	0	0	1	0	0	0	0
19	0	0	0	0	0	0	6	2	1	0	0	0	0	0
20	0	0	0	0	0	1	2	0	0	0	0	0	0	0
21	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	1	0	0	0	0
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														
10/12/2024		Vehicle Speeds (MPH)												
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	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	1	0	0	1	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	0	2	1	5	0	0	0	0	0	0	8
9	0	0	0	0	1	6	6	2	0	0	0	0	0	15
10	0	0	0	2	1	1	6	0	0	0	0	0	0	10
11	0	0	0	0	0	2	6	0	0	0	0	0	0	8
12	0	0	0	0	0	4	1	0	1	0	0	0	0	6
13	0	0	0	0	1	4	4	1	0	0	0	0	0	10
14	0	0	0	0	0	0	4	1	1	0	0	0	0	6
15	0	0	0	0	4	3	4	1	0	0	0	0	0	12
16	0	0	0	0	1	6	3	2	0	0	0	0	0	12
17	0	0	0	0	0	4	9	3	2	0	0	0	0	18
18	0	0	0	0	0	0	5	5	1	0	0	0	0	11
19	0	0	0	0	0	0	1	3	0	0	0	0	0	4
20	0	0	0	0	0	1	1	3	0	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	1	3	1	0	1	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	146	138
Mean Speed	27.4	28.0	28.6	24.8	26.0	27.5	29.0	26.1	27.6
85thile 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
85thile 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
85thile 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, 3 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.....

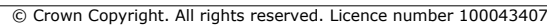
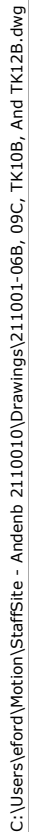
Surveyed Speed (mph)	36.4
v = speed (m/s)	16.3
t = driver perception-reaction time (secs)	1.5
d = deceleration (m/s ²)	4.3

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



Drawing:	Revision:
2110010-06	B

Appendix G

Swept Path Analysis – 16.5m HGV – Southern Access

C:\Users\eford\Motion\StaffSite - Andenb 2110010\Drawings\211001-06B_09C_TK10B_And TK12B.dwg



- Notes
1. All levels and dimensions to be checked on site before any work commences. All dimensions in metres unless stated otherwise.
 2. This drawing is based on survey information supplied by Anesco Ltd. Motion cannot guarantee the accuracy of the data provided.
 3. Motion accepts no liability for any vehicle specification errors or inaccuracies within the vehicle tracking software used / or it's vehicle libraries. The vehicles speeds used for the analysis are as follows: forward 6kph / reversing 6kph.

Legend

Site Boundary

Artic

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

B	Updated Layout	EF	EF	LH	17/03/2026
A	Updated Layout	EF	MS	LH	12/03/2026
-	First Issue	EF	MS	MS	10/02/2026
Rev.	Description	Drm	Chk	App	Date

Drawing Status:

FOR PLANNING
NOT FOR CONSTRUCTION



Client:
Anesco Ltd

Project:
St Asaph, Solar Farm, Denbeighshire,
LL17 0EW

Title:
Swept Path Analysis
16.5m Articulated HGV
Southern Access

Scale: 1:500 (@ A3)

Drawing:
2110010-TK12

Revision:
B

Appendix H

ATC Data – Southern Access

St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.

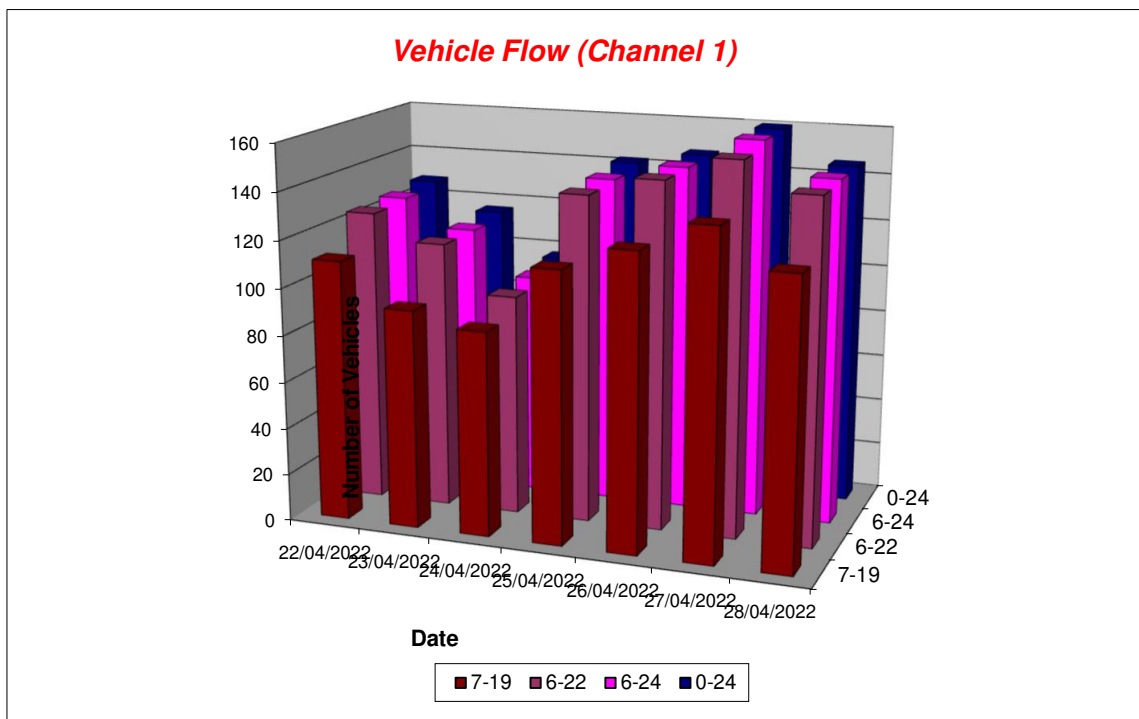


Channel 1 - Northbound

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.



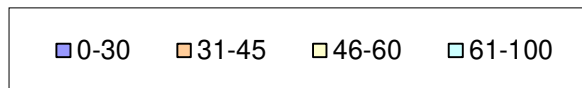
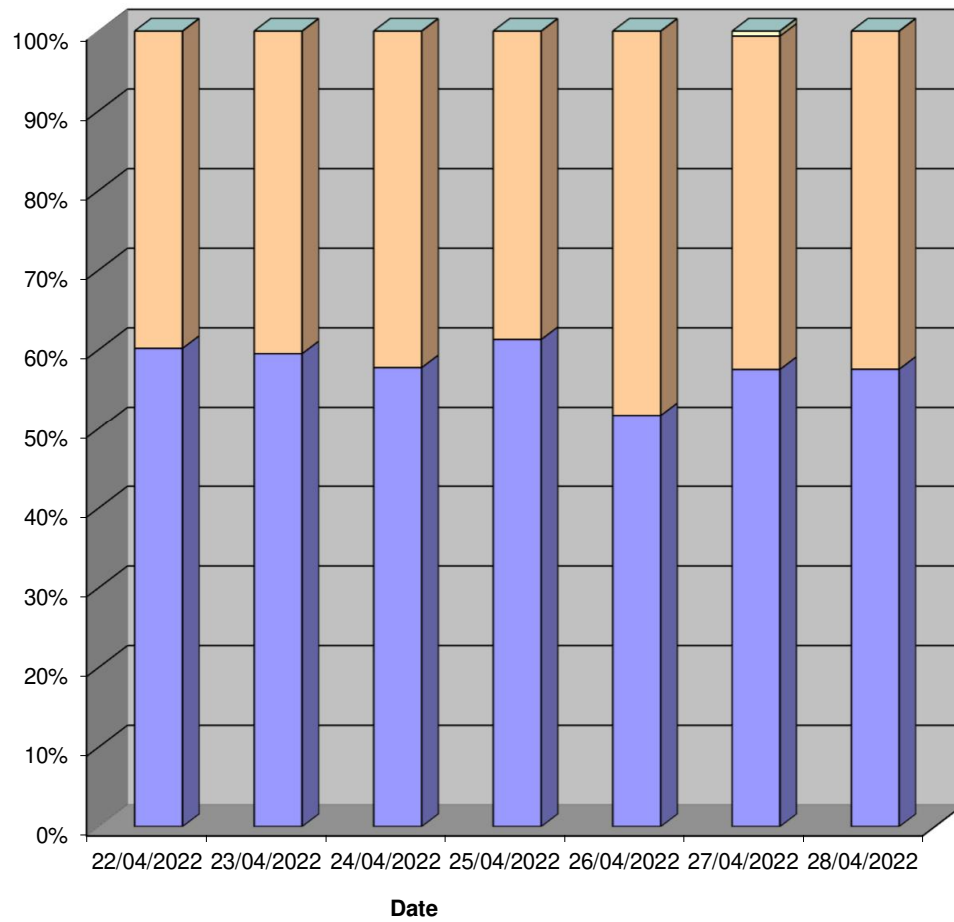
Channel 1 - Northbound

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

Speed Summary (MPH)



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



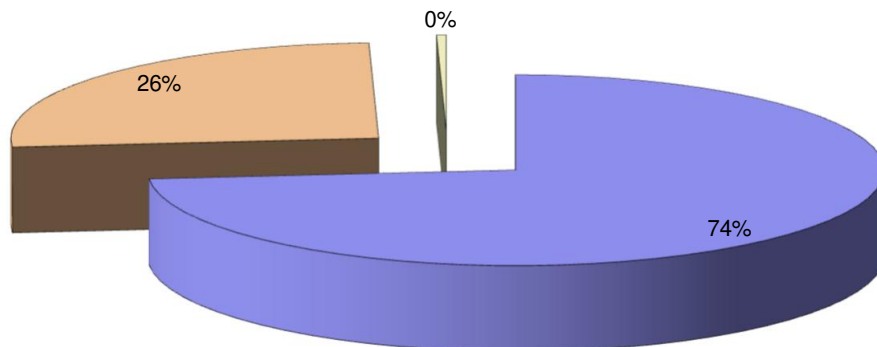
Channel 1 - Northbound

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

Total Vehicle Class Distribution



St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.

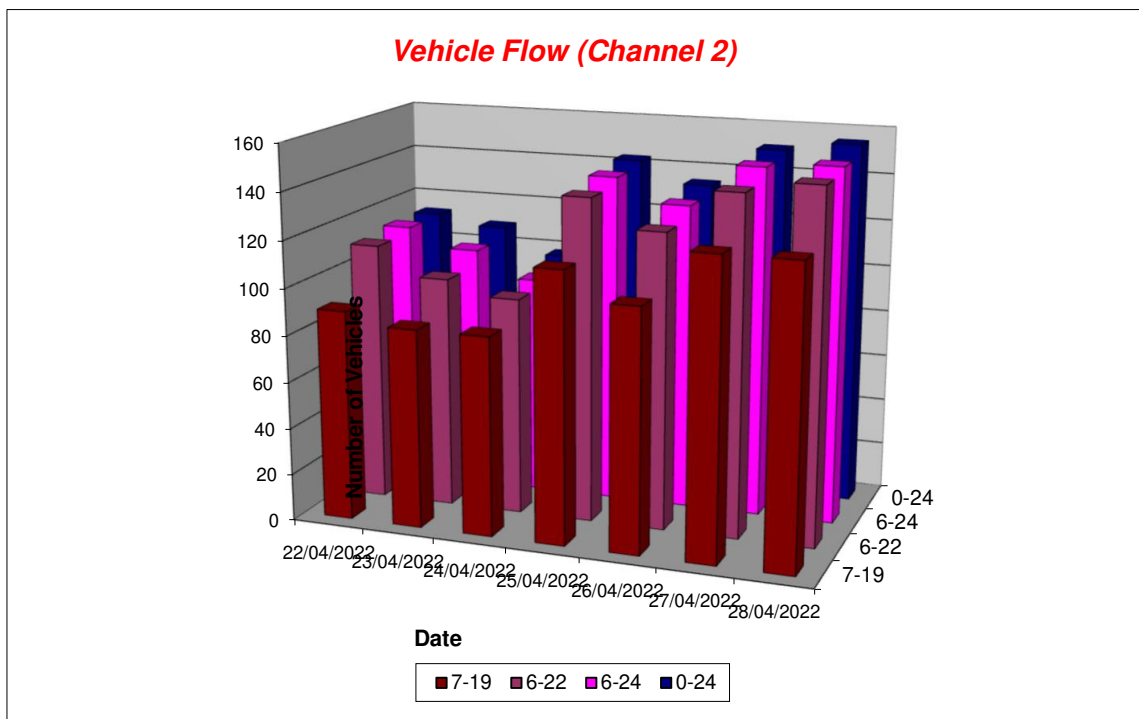


Channel 2 - Southbound

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

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

St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



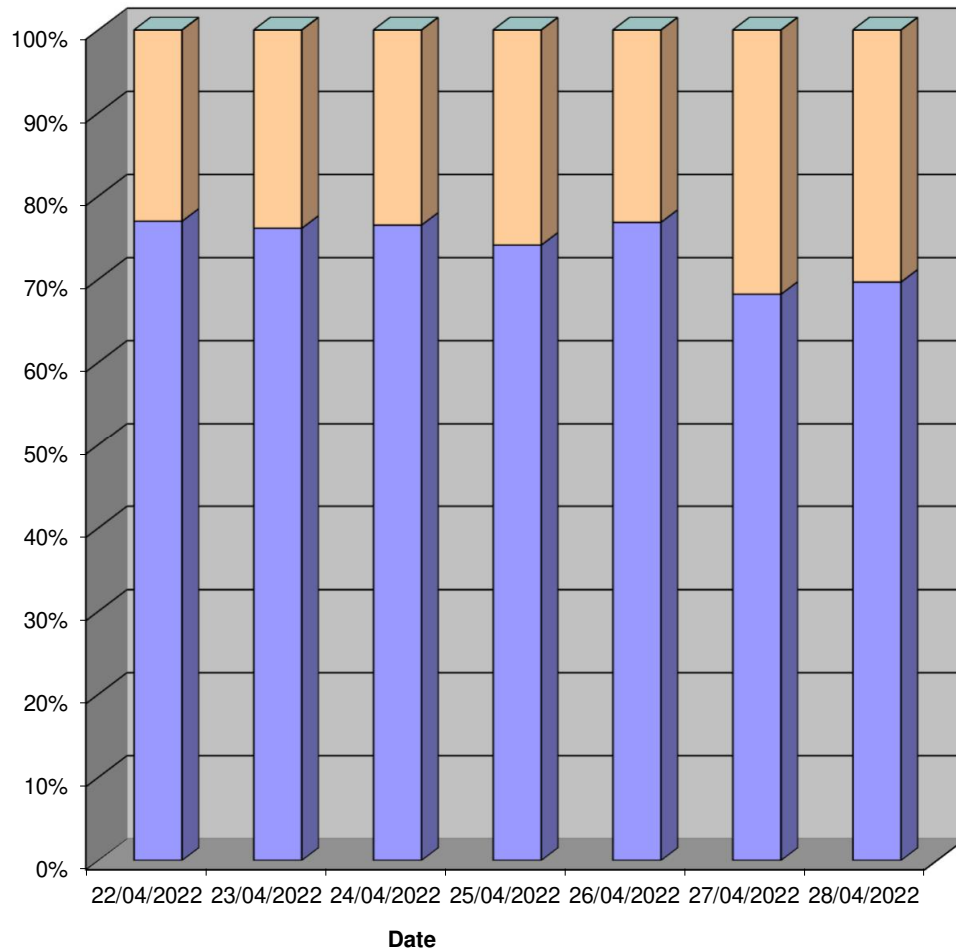
Channel 2 - Southbound

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	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

Speed Summary (MPH)



0-30 31-45 46-60 61-100

St Asaph, Wales ATC 01, Unnamed Road

Produced by Streetwise Services Ltd.



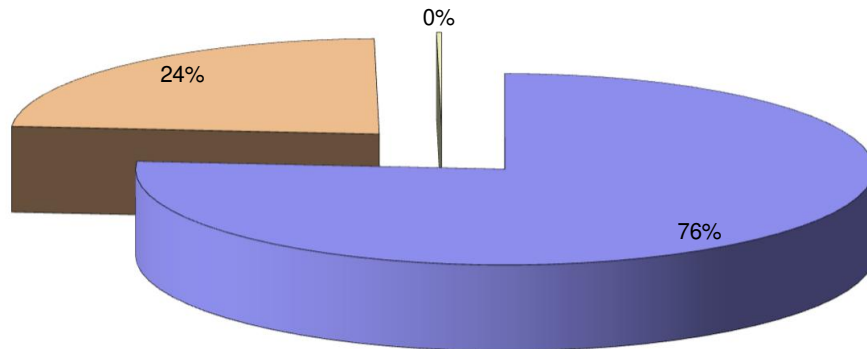
Channel 2 - Southbound

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

Total Vehicle Class Distribution



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	146	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	88	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	185	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 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, 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.

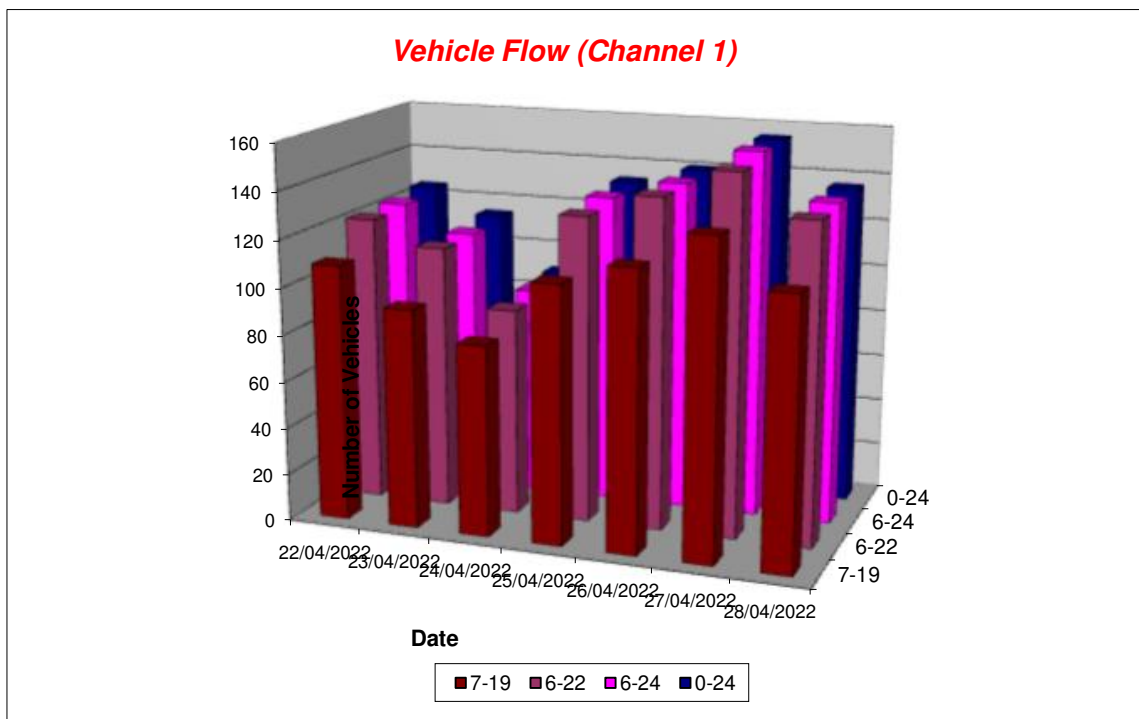


Channel 1 - Northbound

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.



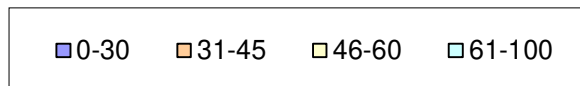
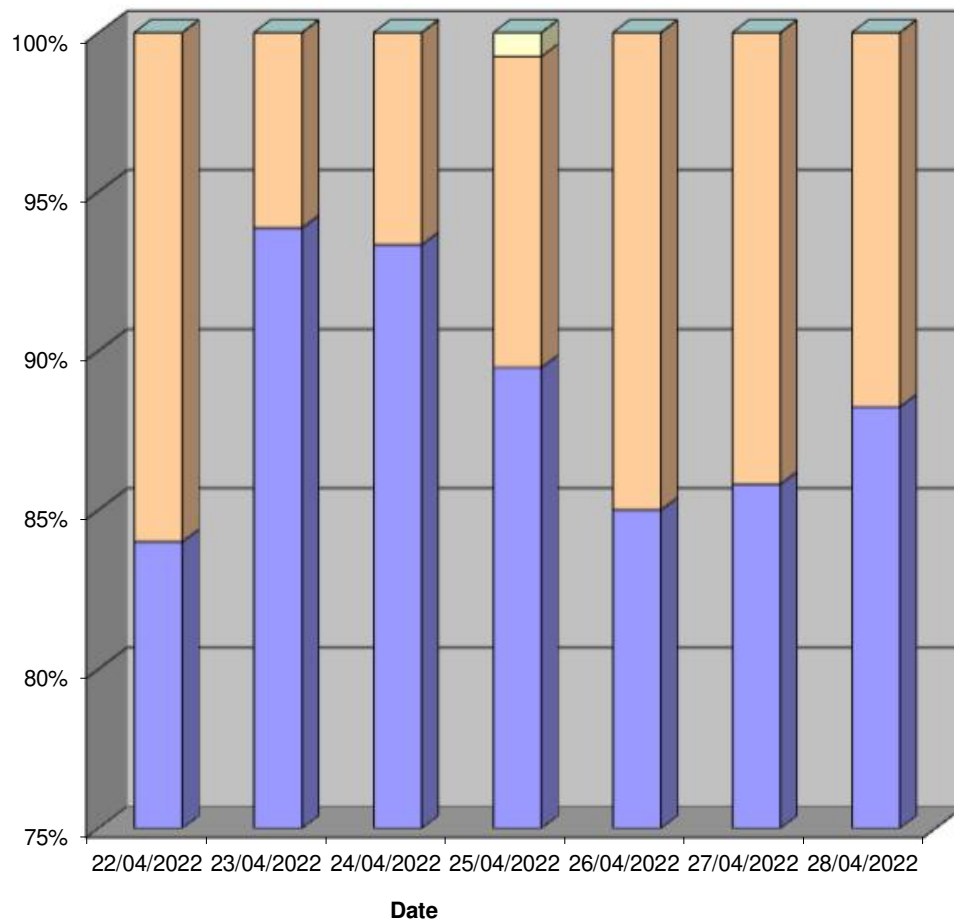
Channel 1 - Northbound

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

Speed Summary (MPH)



St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



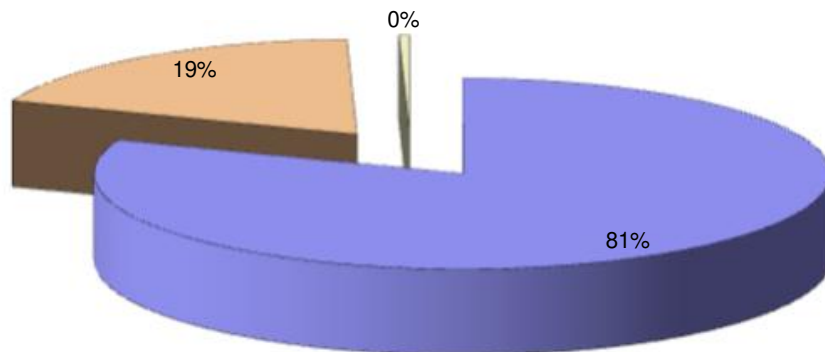
Channel 1 - Northbound

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

Produced by Streetwise Services Ltd.

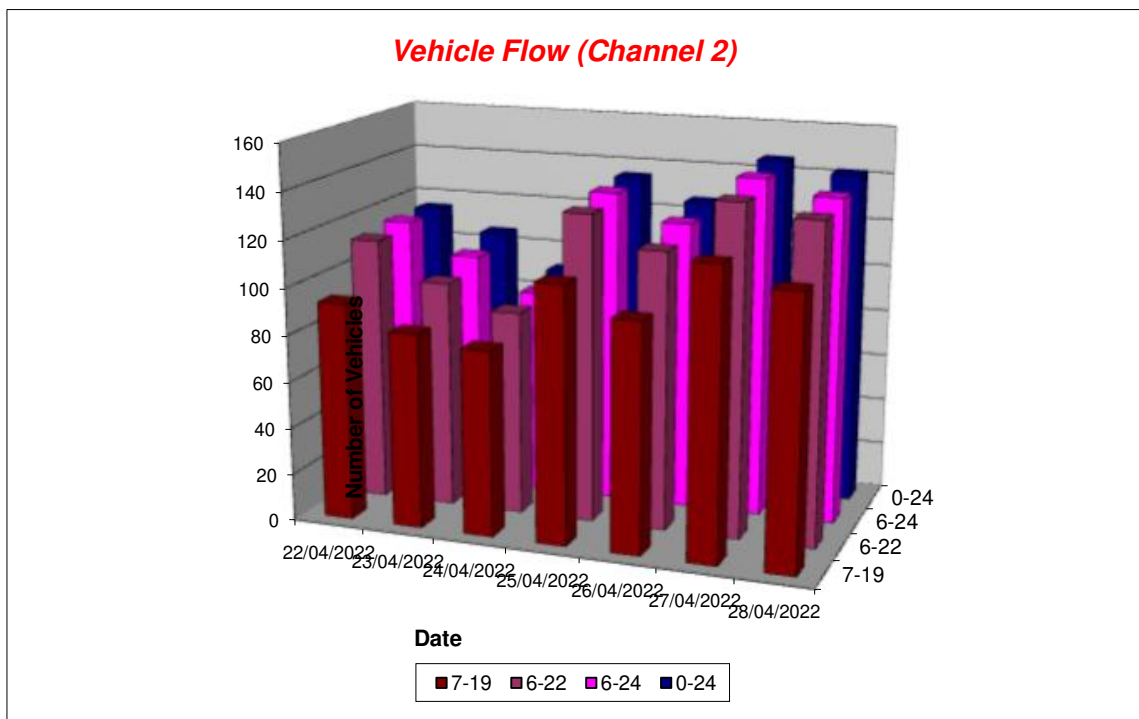


Channel 2 - Southbound

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	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.



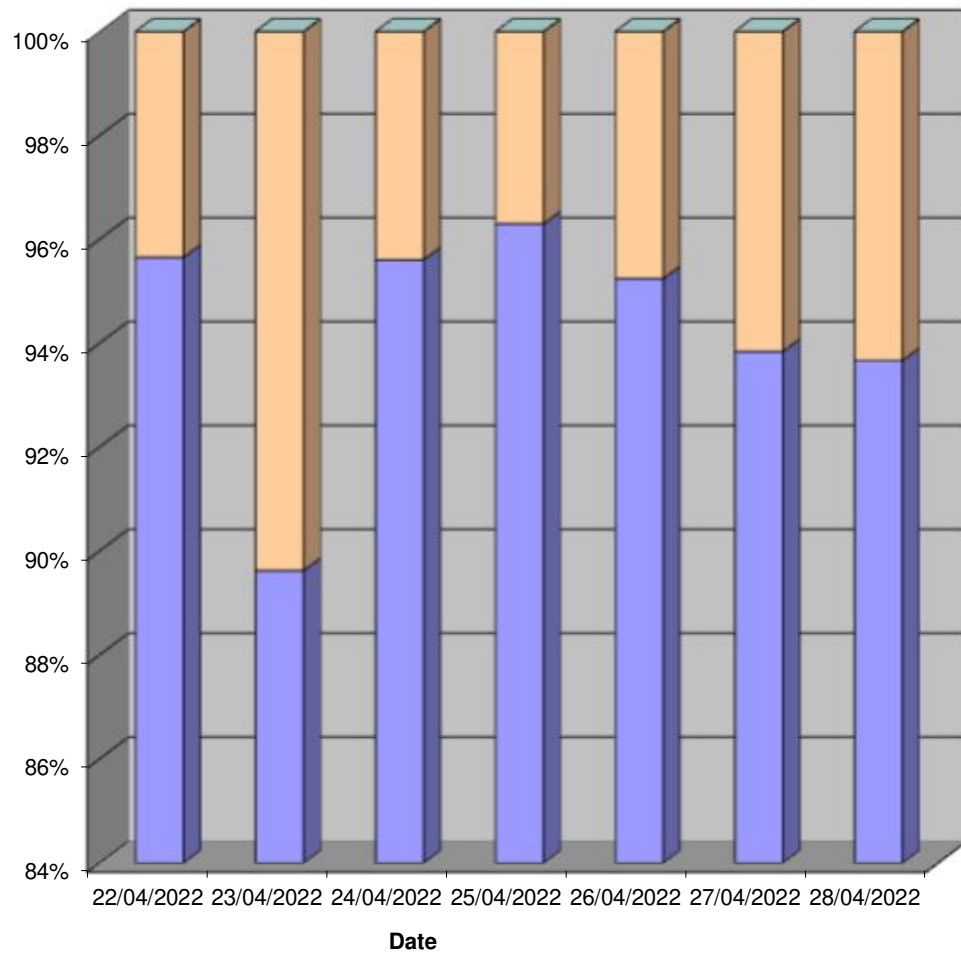
Channel 2 - Southbound

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

Speed Summary (MPH)



0-30 31-45 46-60 61-100

St Asaph, Wales ATC 02, Unnamed Road

Produced by Streetwise Services Ltd.



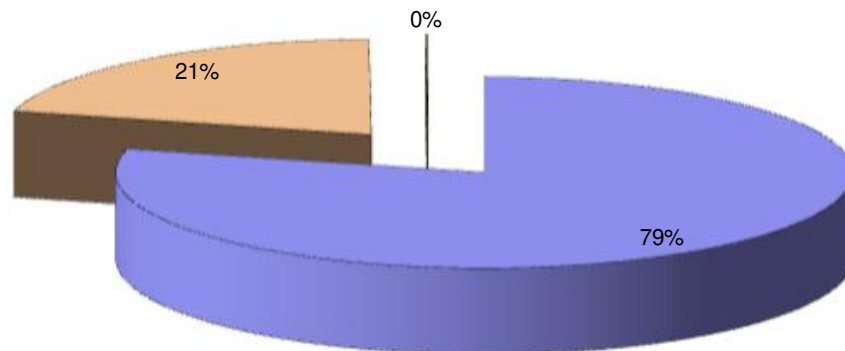
Channel 2 - Southbound

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	125	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	25.0	28.4	33.5	33.3	28.0	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	115	108	91	135	128	145	142	135	123
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	240	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 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, 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

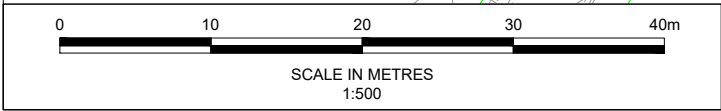
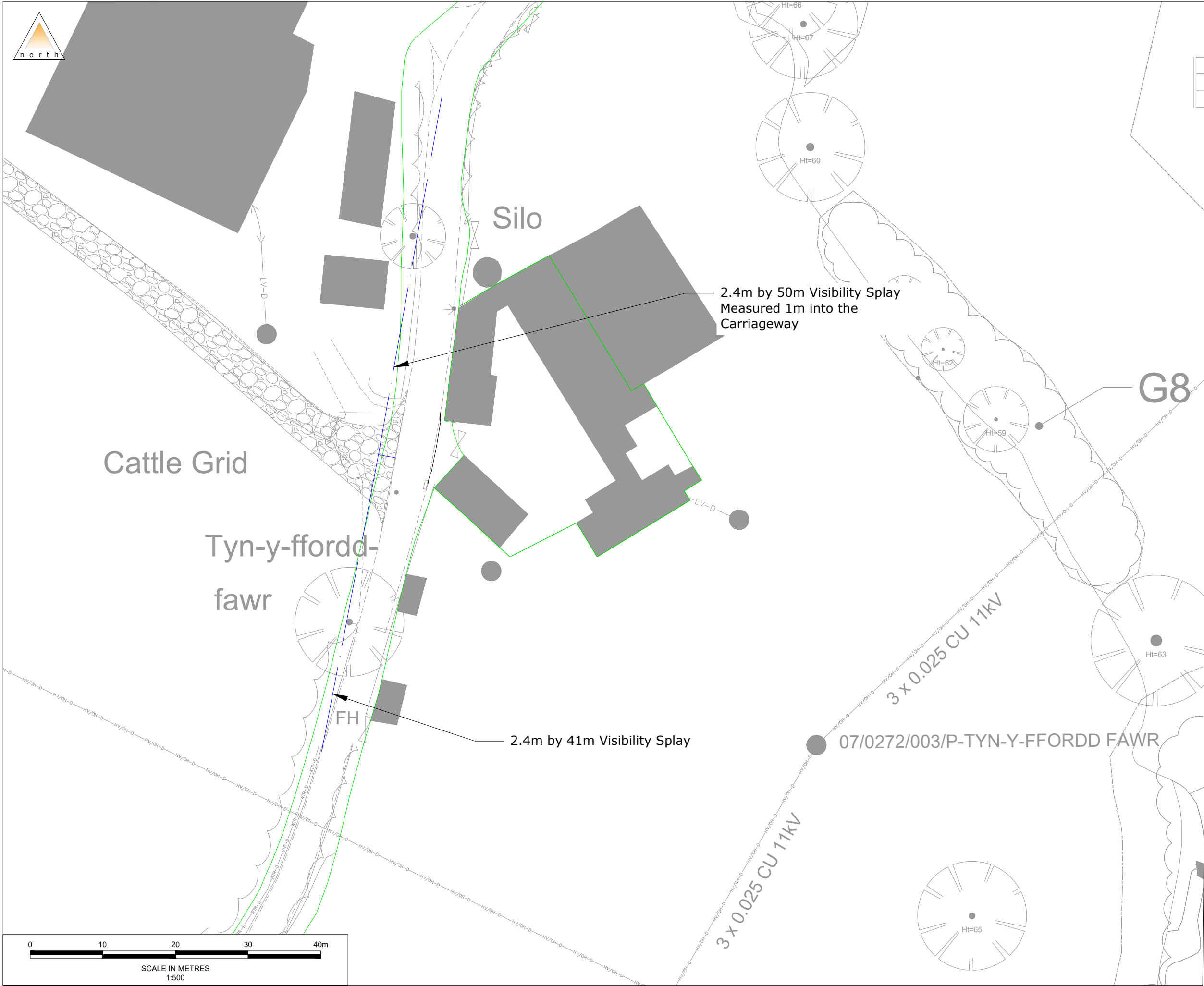
SSD (metres) =	47
SSD (metres, adjusted for bonnet length) =	50

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

Appendix J

Visibility Splay - Southern Access

C:\Users\eford\Motion\StaffSite - Andenb 2110010\Drawings\211001-06B_09C_TK10B_And TK12B.dwg



- Notes
1. All levels and dimensions to be checked on site before any work commences. All dimensions in metres unless stated otherwise.
 2. This drawing is based on survey information supplied by Anesco Ltd. Motion cannot guarantee the accuracy of the data provided.
 3. Land Title information has been obtained from HM Land Registry for Denbigshire Council and is based on OS mapping. Motion cannot guarantee the accuracy of the data provided.

- Legend
- Visibility Splay
 - Land Title Boundary

C	Updated Site Layout	EF	EF	LH	17/03/2026
B	Updated Layout	EF	MS	LH	12/03/2026
A	Updated Splay	EF	LH	LH	23/02/2026
-	First Issue	EF	MS	MS	12/02/2026
Rev.	Description	Drm	Chk	App	Date

Drawing Status:

FOR PLANNING
NOT FOR CONSTRUCTION



Client:
Anesco Ltd

Project:
St Asaph, Solar Farm, Denbeighshire, LL17 0EW

Title:
**Visibility Splays
Southern Access**

Scale: 1:500 (@ A3)

Drawing:
2110010-09

Revision:
C