

Proposed Aldi Food Store and Coffee Drive-Thru, Afan Way, Port Talbot

TECHNICAL NOTE 2

December 2024

1. Introduction

- 1.1. This Technical Note (TN) has been prepared by Entran Ltd in support of a planning application for a food retail development at Afan Way, Port Talbot.
- 1.2. This TN seeks to provide an updated and revised assessment of the proposed site access junction onto Afan Way assuming that the right turn outbound from the site forms a banned turn. This assessment should be read in conjunction with the full Transport Assessment.
- 1.3. The scope of the assessment considers the existing junctions along Afan Way and how the proposed site access would operate in tandem. The scope is illustrated in Figure 1.1 below.

Figure 1.1 – Scope of Assessment

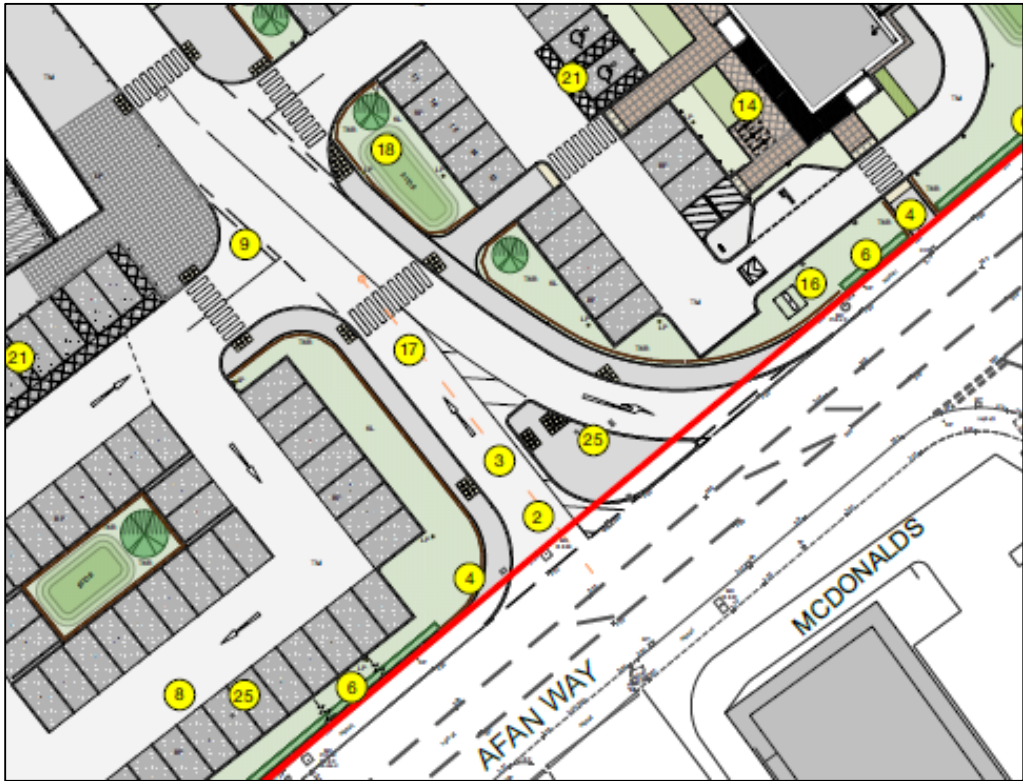


Source: Googlemaps

- 1.4. The proposed location of the site access would be on Afan Way, between the ATS garage access and the junction of Green Park Street. It is proposed to utilise the existing hatched area on Afan Way to create a short right turn lane, and the revised access strategy would include a single lane left turn out only egress from the site. Figure 1.2 illustrates the detail of the layout of the site access with the full site layout contained at Appendix A.



Figure 1.2 - Revised Site Access





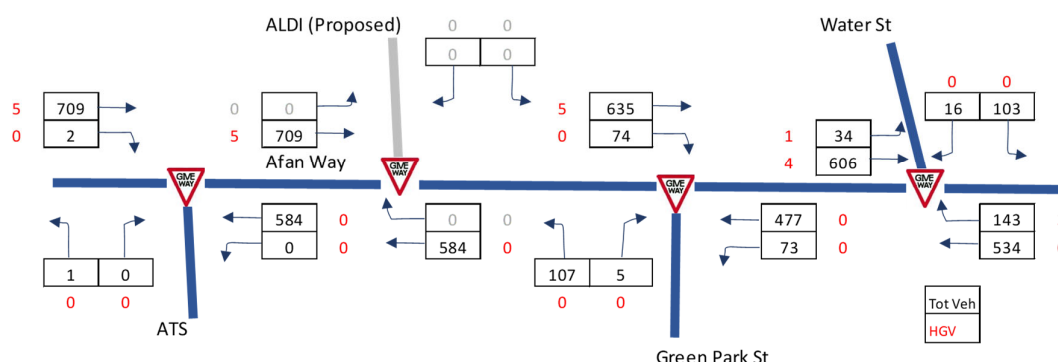
2. Trip Generation, Distribution and Assignment

Base Flows

- 2.1. As per the TA report, the weekday recorded flows at the junctions along Afan Way was collected via MCCs undertaken during the time period 1300-1900 for Friday 17th March 2023. The junctions included the ATS Garage access onto Afan Way, The Afan Way / Green Park St junction and the Water St / Afan Way junction. The identified network peak time was 1600-1700. The weekday afternoon peak turning flows are re-summarised in Figure 2.1.

Figure 2.1 Existing Traffic Flows

2023 Weekday PM Observed 1600-1700



- 2.2. It is observed that the two-way PM peak flows where the access would be located is 1,293 per hour with a 55:45 west to east directional split. ATCs were also undertaken concurrently in the local area to check that the one day counted flows were representative of average conditions and these show that the 5-day average weekday flow on Water St to the East was 1,388 per hour.

Trip Generation

- 2.3. The trip generation of the proposed 1,931 sqm ALDI store and 188 sqm Coffee Drive-Thru was set out in the TA report. The ALDI development would be expected to generate 143 vehicle trips in the weekday PM peak. This represents the gross level of trips i.e. without taking into account secondary trips already on the network. The Coffee Drive-Thru development would be expected to generate 46 vehicle trips in the weekday PM peak. This represents the gross level of trips i.e. without taking into account secondary trips already on the network (also discussed in the following text). The total gross number of vehicle trips generated by the proposed development is provided at Table 2.1.

2.4.

Table 2.1 – Total Trip Generation

Peak	Trip Generation		
	Inbound	Outbound	Two-Way
PM 1600-1700	88	101	189

Trip Distribution and Assignment

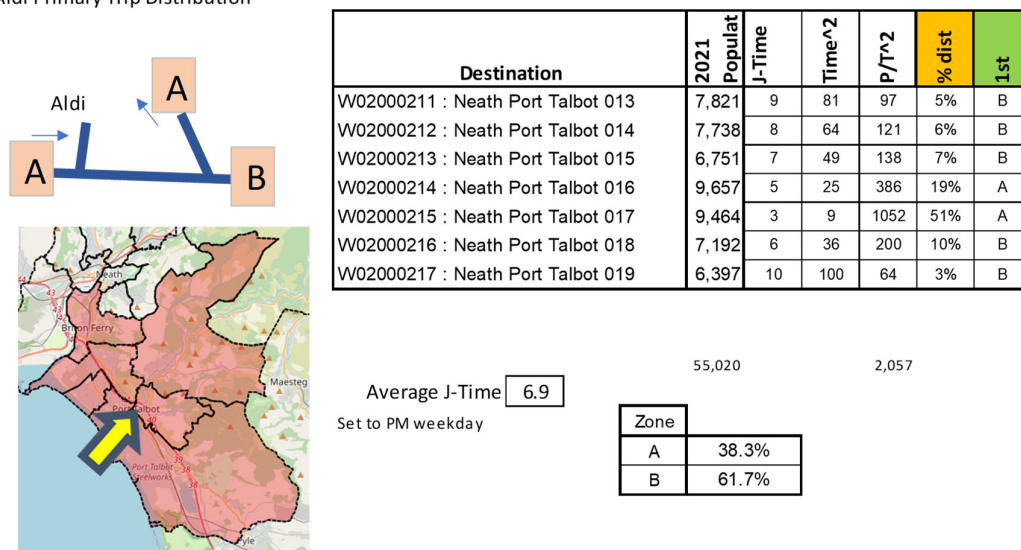
- 2.5. Whilst the above Table 2.1 and 2.2 illustrates the trip generation from ALDI and the Coffee Drive-Thru, this forms the gross trip generation and makes no allowances for secondary trips already on the local network. The trip generation that an ALDI store and Coffee Drive Thru might have in this location only forms part of the exercise. An ALDI store and Coffee Drive Thru will also attract trips that are already on the local highway network and take the opportunity of passing the site to use the new opportunities; such trips are known as secondary diverted or pass-by trips. The full details of this are set out in the TA report



- 2.6. In order to determine the distribution of primary trips from the proposed ALDI development, a population-distance gravity model was developed using 2021 census data. Population numbers were obtained for each of the MSOA areas within a reasonable catchment distance of the site, and the journey time from the weighted population centre of each MSOA was derived using google driving directions set to PM peak. The MSOA are, on average, within a 7-minute drive time. The detailed calculations for the distribution to be used in the assessment are illustrated at Figure 2.2. As the right turn out of the site is to be banned, for simplicity it was assumed that majority of the displaced right turning manoeuvre would transfer to the left turn and then take the shortest route via Water Street to join the A4241 Afan Way at the all-movement traffic signal junction. In reality, it is expected that some of these vehicles may u-turn at the A48 roundabout to the east of the site.

Figure 2.2 – ALDI Primary New Trip Distribution

Aldi Primary Trip Distribution

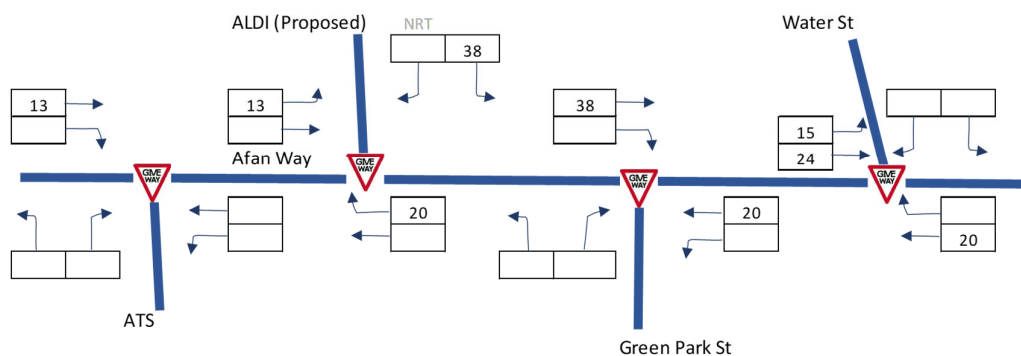


- 2.7. The primary trip distribution based on population and distance on a weighted basis would result in 38% of trips arriving from Afan Way (W) and 62% arriving from Afan Way (E). These proportions are reasonable and logical given the location of the site and the proximity of existing population centres.

- 2.8. Figure 2.3 provides the Primary new trip assignment for the proposed ALDI development.

Figure 2.3 - ALDI Primary New Trip Assignment

ALDI PM 1600-1700 Primary Trips

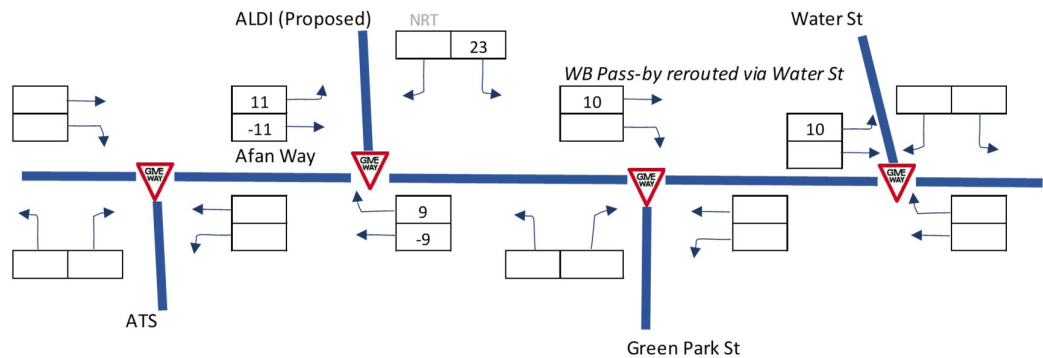


- 2.9. The secondary pass-by trip assignment for the proposed ALDI development is provided in Figure 2.4. Trips are weighted based on the observed traffic flows shown in Figure 2.1.



Figure 2.4 – ALDI Secondary Pass-by Trip Assignment

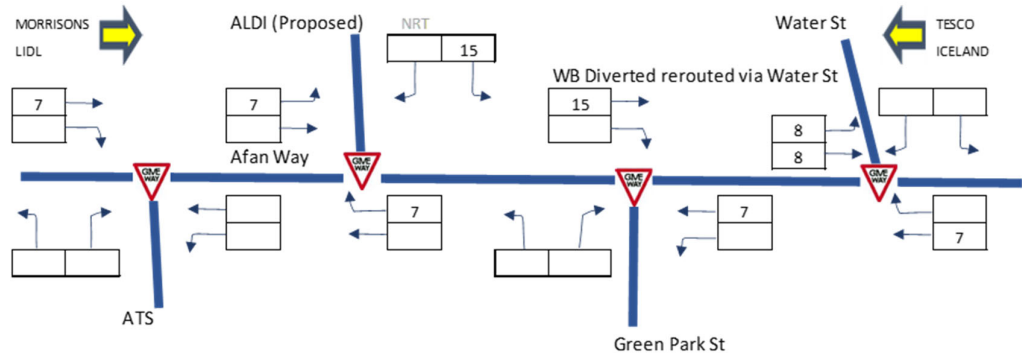
ALDI PM 1600-1700 Pass by Trips



2.10. The secondary diverted trip assignment for the proposed ALDI development is provided in Figure 2.5. In the absence of RIA data, a sensible and pragmatic estimation was made based on the location and number of existing local food stores. Figure 2.5 summarises:

Figure 2.5 – ALDI Secondary Diverted Trip Assignment

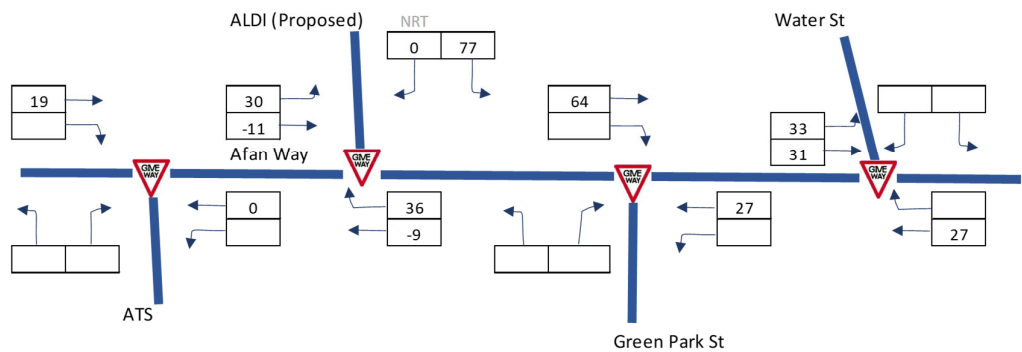
ALDI PM 1600-1700 Diverted Trips



2.11. The sum total of the ALDI development trip assignment is provided in Figure 2.6.

Figure 2.6 – Total ALDI Development Trip Assignment

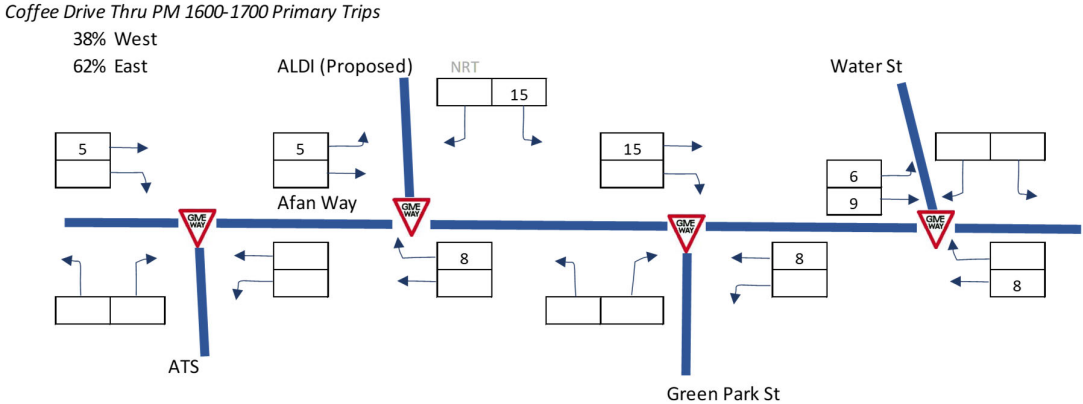
ALDI PM 1600-1700 Total Trips





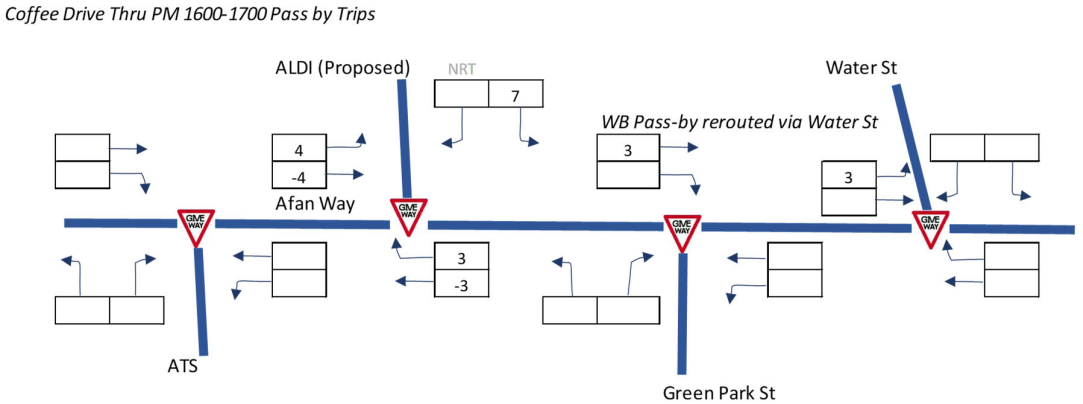
2.12. Figure 2.7 provides the Primary new trip assignment for the proposed Coffee Drive-Thru development. The same distribution as per the ALDI land use is assumed.

Figure 2.7 – Coffee Drive Thru Primary New Trip Assignment



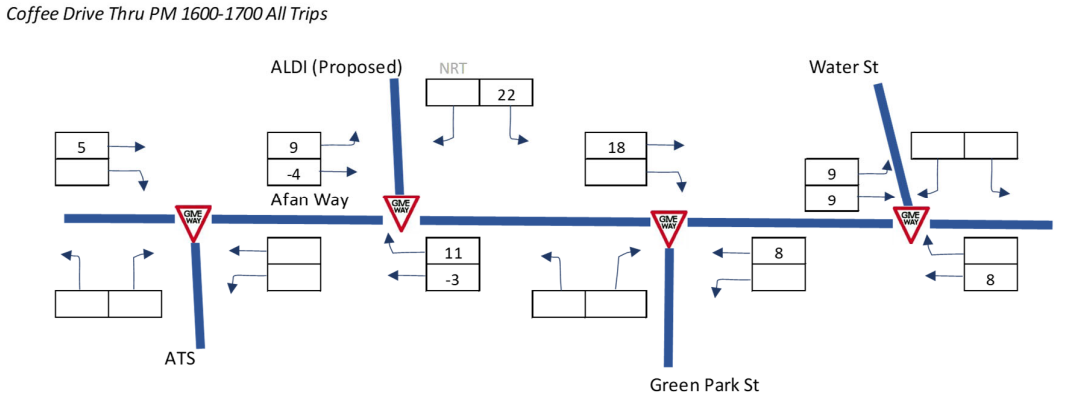
2.13. The secondary pass-by trip assignment for the proposed ALDI development is provided in Figure 2.8. Trips are weighted based on the observed traffic flows shown in Figure 2.1.

Figure 2.8 – Coffee Drive Thru Secondary Pass-By Trip Assignment



2.14. The sum total of the Coffee Drive Thru development trip assignment is provided in Figure 2.9.

Figure 2.9 – Total Coffee Drive Thru Trip Assignment

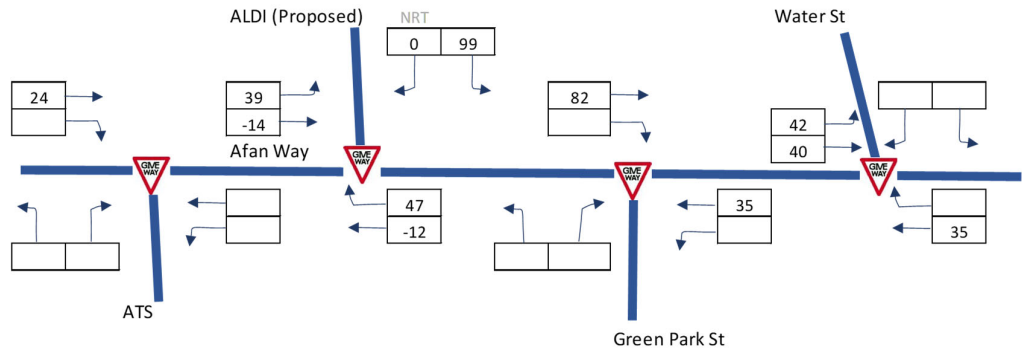


2.15. The sum total trip assignment for the full development is provided in Figure 2.10.



Figure 2.10 – All Development Trip Assignment

All Development PM 1600-1700 Trips



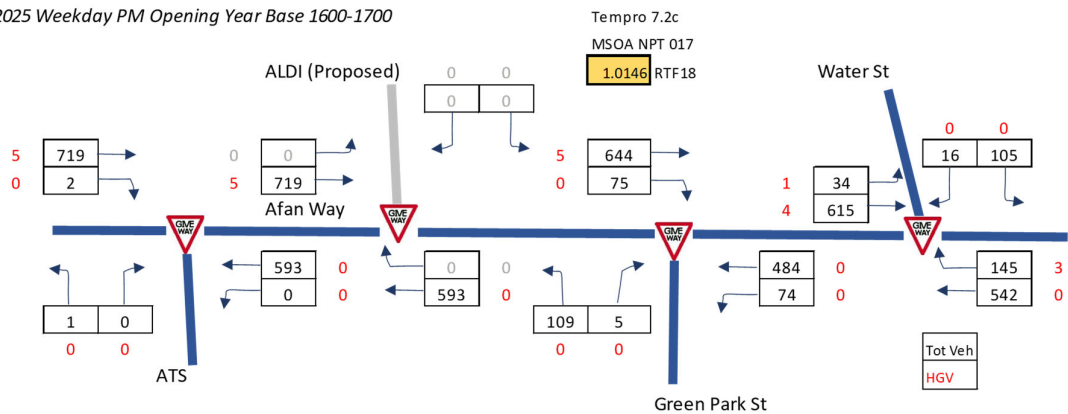
- 2.16. It may be seen that the volume of hourly flows is relatively modest for any one turning movement, of the order of up to one vehicle per minute, which is not particularly significant.
- 2.17. The above flows in Figure 2.10 were then taken forward for junction capacity testing using industry standard Junctions 10 software.

Assessment Flows

- 2.18. In order to undertake the operational assessment, the derivation of traffic flows for the baseline, opening year and future year are required. A reasonable revised baseline should be 2025 for the assumed opening year and a future year test of 2030, five years hence. To determine the baseline flows, traffic growth was based on TEMPro 7.2c using the 2018 RTF dataset for the average of MSOA NPT017. The expected baseline flows in the 2025 Opening Year are provided in Figure 2.11.

Figure 2.10 – 2025 Baseline Flows

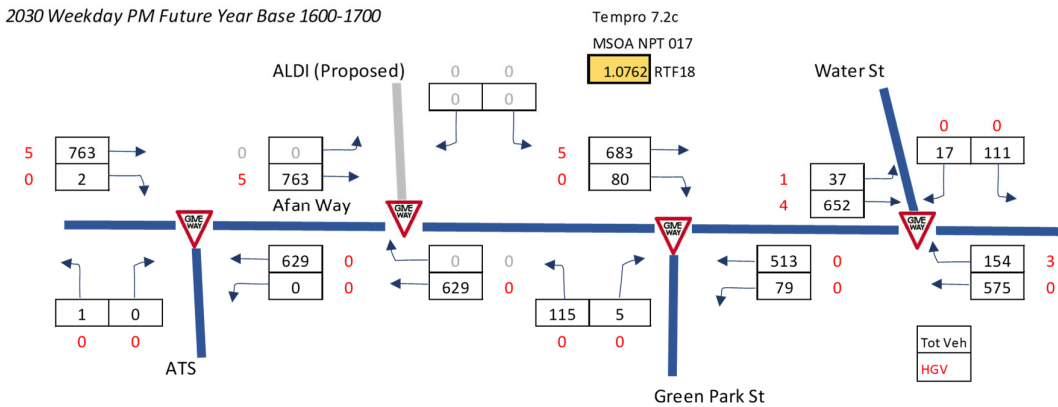
2025 Weekday PM Opening Year Base 1600-1700



- 2.19. The expected baseline flows in the 2030 Future Year are provided in Figure 2.12.

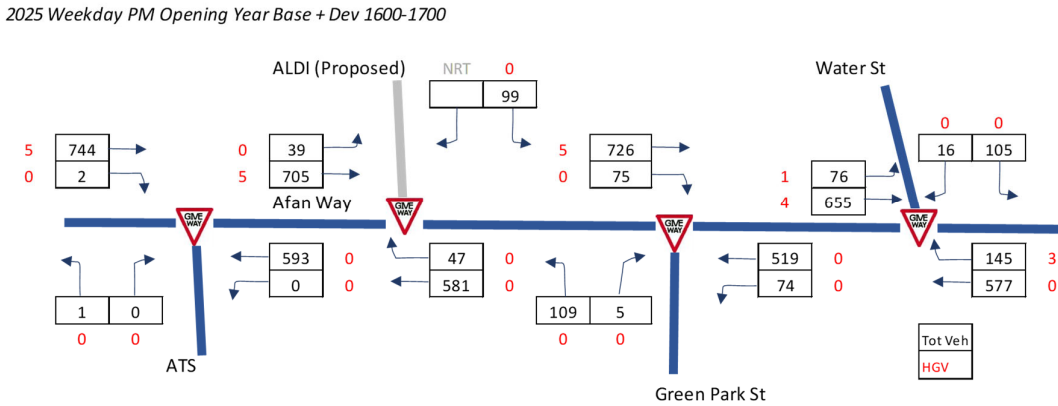


Figure 2.12 – 2030 Baseline Flows



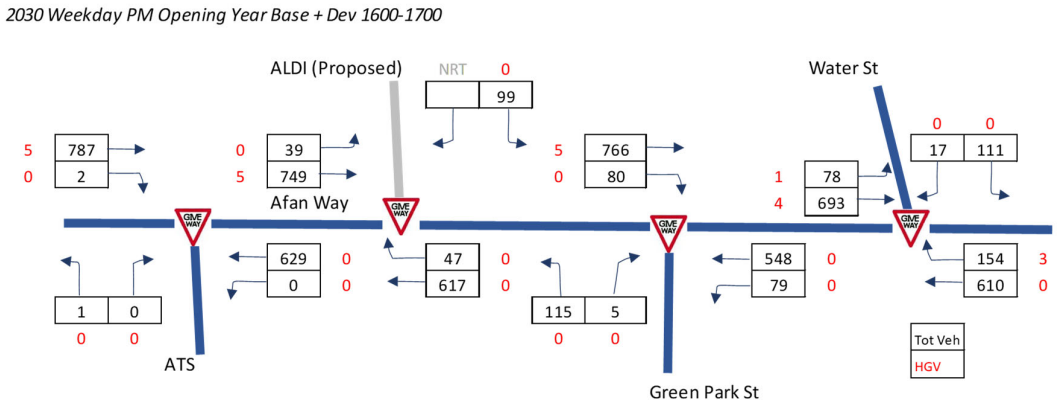
2.20. The expected baseline + development flows in the 2025 Opening Year are provided at Figure 2.13.

Figure 2.12 – 2025 Base + Development Flows



2.21. The expected baseline + development flows in the 2030 Future Year are provided at Figure 2.14.

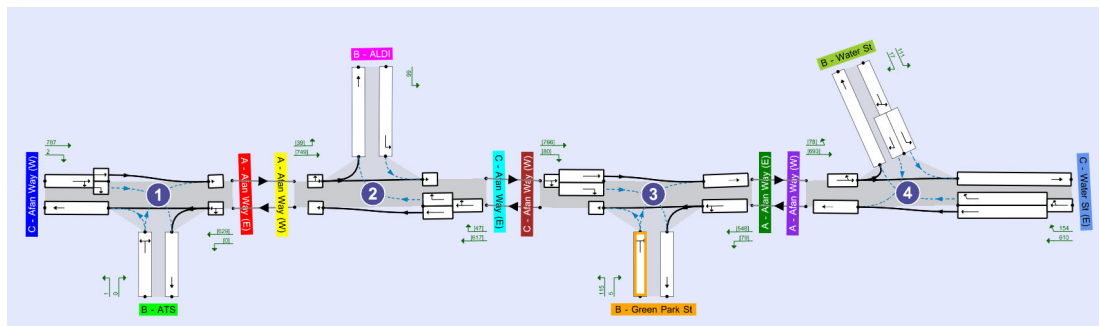
Figure 2.14 – 2030 Base + Development Flows



Operational Assessment

2.22. An operational assessment of the four junctions in the study area along Afan Way was carried out using Junctions 10 software. When the software is run in “lane-sim” mode it is possible to model the spatial interactions of the closely spaced junctions to determine the vehicle or queue interaction. Figure 2.15 provides an illustration of the model layout.

Figure 2.15 – Junctions 10 Linked Model Layout



2.23. However, when the software is run in this way it does not generate the usual RFC (Ratio of Flow to Capacity) values. A summary of the worst case 2029 baseline versus baseline plus development operational assessment is provided in Table 2.4. The full model output results are provided at Appendix B.

Table 2.2 – Junction Capacity Assessment of Afan Way Junctions

Peak	Junction	Arm	PM	
			Q	Delay
2030 Base	ATS/Afan Way	Afan Way RT	0	0s
		ATS	0	0s
	ALDI	Afan Way RT	-	-
		ALDI	-	-
	Green Park St / Afan Way	Afan Way RT	1	2s
		Green Park St	1	9s
2030 Base + Dev	ATS/Afan Way	Afan Way RT	0	0s
		ATS	0	0s
	ALDI	Afan Way RT	0	1s
		ALDI	1	10s
	Green Park St / Afan Way	Afan Way RT	1	1s
		Green Park St	1	10s
	Water St / Afan Way	Water St RT	1	2s
		Water St L&R	1	11s



- 2.24. The results of the capacity assessment reveals that the local junctions are expected to encounter short queues and minor delays for all movements. With the addition of the proposed ALDI junction located between the ATS garage access and the Green Park Street junction, this is demonstrated to operate satisfactorily with the associated traffic with minor queues of 1 vehicle and short delays of 10 seconds on the ALDI exit, with minimal impact on the adjacent junctions. The delay per vehicle on the ALDI egress is reduced as a result of the banned right turn.
- 2.25. This assessment is considered robust, as it assumes that 70% of the ALDI development traffic arriving and departing is fully “new” traffic and not already on Afan Way.

3. Road Safety Audit

- 3.1. A stage 1 road safety audit was undertaken on the proposed revised access design and this is contained at Appendix C.

4. Conclusions

- 4.1. The information presented in this Technical Note has been presented to help the local authority review the likely effects on the surrounding transportation network of a proposed Aldi discount foodstore and associated Coffee Drive Thru on Afan Way, Port Talbot.
- 4.2. An operational assessment of four junctions in the study area along Afan Way including the proposed site access junction was carried out in the TA report and it was demonstrated that existing local junctions currently encounter short queues and minor delays for all movements.
- 4.3. With the addition of an all-movement proposed ALDI junction located between the ATS garage access and the Green Park Street junction, the local highway network was previously demonstrated to operate satisfactorily with the associated traffic with minor queues and short delays, with minimal impact on the adjacent junctions.
- 4.4. The revised assessment assuming the right turn egress from the ALDI store is banned indicates negligible changes to the results, and with a reduced delay for vehicles leaving the store from 16 seconds to 10 seconds per vehicle.
- 4.5. The addition of the proposed development would therefore lead to a modest impact and the change in flows would be of the order of one vehicle per minute or less for the turning movements so the scale of the impact would not be excessive and the change in performance on Afan Way should not be significant nor severe.
- 4.6. The development proposals are not expected to lead to material off-site highways issues on the adjacent transportation network. It is concluded that the impact has been fairly and reasonably addressed and there should be no reason for highways related objection to the proposed development.



Appendix A

Revised Site Layout



KEY

- Application Boundary
- Denotes tarmac finish
- Denotes concrete surface finish
- Denotes concrete slab finish
- Denotes gravel finish
- Denotes conservation paving, colour charcoal grey
- Denotes block paving, herringbone pattern, permeable / non-permeable
- Denotes outdoor paving tile, Urbex Natural 600 x 600mm
- Denotes outdoor paving tile - 45 degrees, Urbex Charcoal 600 x 600mm
- Denotes landscaped area with misc planting within application area. Refer to separate soft landscaping proposals
- Denotes parking space with electric vehicle charging point
- Denotes parking space with infrastructure installed for the future conversion to electric vehicle charging point
- Existing tree. Refer to arboricultural report
- Proposed tree. Refer to soft landscaping proposals
- Existing site level
- Proposed site level
- Timber acoustic grade fence
- 1.8m high timber close boarded fence
- 1.1m high railing
- 0.45m high timber knee rail
- Denotes lighting column
- Heavy duty bollards
- New stainless steel anti ram bollards

ANNOTATIONS

- New service yard entrance in approximate location of existing site entrance
- Proposed site access with right hand filter lane off Afan Way and left only egress
- Pedestrian crossing
- Pedestrian access
- Existing electric sub station with area of hardstanding for access
- Exsting facing brick masonry boundary / retaining walls retained
- Vehicle crash barrier and retaining wall to Afan Way
- Existing masonry wall along Water Street to be rebuilt as facing brickwork retaining wall. 3.2m wide footway to be provided. Lighting columns and telegraph poles repositioned
- Low noise external plant area enclosed by a 3m high acoustic grade timber fence and 2.5m high palisade fencing, galvanised finish
- Retaining wall with guard railing above
- 1.8m high close boarded fence to site boundary
- Vehicle restraint barrier
- New facing brick boundary retaining wall with 1.1m high railings above along Issac's Place
- Bicycle stands including accessible and cargo bike parking
- Proposed Aldi double pole sign. Location subject to separate advertisement consent and agreement with the statutory authority to build within the sewer easement
- Proposed Starbucks totem sign position. Location subject to separate advertisement consent and agreement with the statutory authority to build within the sewer easement
- Future gigabit broadband provision brought into site. Location indicative
- Surface water attenuation pond for highway drainage, subject to separate sab and highway application
- Covered trolley bay
- Parent & Child spaces
- Disabled spaces
- Active EVCP spaces
- Loading bay ramp and bin store
- Starbucks bin store and plant area
- Approximate location of existing telegraph poles. Service to be diverted
- Staff amenity area
- Public realm and focal point

ALDI PARKING	114	STARBUCKS PARKING	26	PARKING TOTAL	140
Typically 2.6m w x 5.0m l spaces		Typically 2.6m w x 4.9m l spaces			
STANDARD	87	STANDARD	18	STANDARD	105
DISABLED	6	DISABLED	2	DISABLED	8
PARENT & CHILD	9	ACTIVE EVCP	6	PARENT & CHILD	9
ACTIVE EVCP	12			ACTIVE EVCP	18
APPLICATION AREA				ALDI BICYCLE SPACES	8
12,135 sqm / 2.999 Acres / 1.214 Hectares				STARBUCKS BICYCLE SPACE	3
				TOTAL BICYCLE SPACES	11



Kendall Kingscott

Chartered Architects
Chartered Building Surveyors
Interior Designers
CDM Services



Client

Aldi Stores Ltd

Scale

1:500

Drawn By

MP

Reviewed By

JS

Project

Burrows Yard, Afan Way, Port Talbot

Drawing Title

170466 PORT TALBOT_PLANNING.vwx

Date

26/04/24

Check all dimensions and levels on site

Project Number

Drawing Number

Revision

P02

170466-2300

P02

Author

Checked

Approved

JS

MP

JS

PLANNING

Project

Burrows Yard, Afan Way, Port Talbot

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Chartered Building Surveyors
Interior Designers
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Client
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Check all dimensions and levels on site

Project Number

Drawing Number

Revision

P02

Author

Checked

Approved

PLANNING

P02 14/11/24 JS GS Revised highways junction linking to Afan Way. Parking provision to Starbucks and total reduced by 2no.

P01 26/04/24 MP JS First Issue
Rev Date By App Note

Drawing Title
PROPOSED SITE PLAN 1_500

Project Number
Drawing Number
Revision

170466-2300 P02

Author
Checked
Approved

JS
MP
JS

PLANNING

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Appendix B

Junctions 10 Output

Junctions 10		
PICADY 10 - Priority Intersection Module		
Version: 10.1.1.1905		
© Copyright TRL Software Limited, 2023		
For sales and distribution information, program advice and maintenance, contact TRL Software:		
+44 (0)1344 379777 software@trl.co.uk trlsoftware.com		
The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution		

Filename: Afan Way Corridor model.j10
 Path: F:\clients\EnTran\ALDI Port Talbot\Dec24
 Report generation date: 13/12/2024 10:29:44

- »2023 Observed, PM
- »2025 Base, PM
- »2030 Base, PM
- »2025 Base + Dev, PM
- »2030 Base + Dev, PM

Summary of junction performance

	PM	
	Q (Veh)	Delay (s)
[Lane Simulation] - 2023 Observed		
1 - ATS / Afan Way - A - Afan Way (E)	0.0	0.00
1 - ATS / Afan Way - B - ATS	0.0	0.00
1 - ATS / Afan Way - C - Afan Way (W)	0.0	0.02
2 - ALDI / Afan Way - A - Afan Way (W)	0.0	0.00
2 - ALDI / Afan Way - B - ALDI	0.0	0.00
2 - ALDI / Afan Way - C - Afan Way (E)	0.0	0.00
3 - Green Park St / Afan Way - A - Afan Way (E)	0.0	0.00
3 - Green Park St / Afan Way - B - Green Park St	0.3	8.86
3 - Green Park St / Afan Way - C - Afan Way (W)	0.2	0.78
4 - Water St / Afan Way - A - Afan Way (W)	0.0	0.00
4 - Water St / Afan Way - B - Water St	0.5	9.54
4 - Water St / Afan Way - C - Water St (E)	0.3	1.80
[Lane Simulation] - 2025 Base		
1 - ATS / Afan Way - A - Afan Way (E)	0.0	0.00
1 - ATS / Afan Way - B - ATS	0.0	0.00
1 - ATS / Afan Way - C - Afan Way (W)	0.0	0.02
2 - ALDI / Afan Way - A - Afan Way (W)	0.0	0.00
2 - ALDI / Afan Way - B - ALDI	0.0	0.00
2 - ALDI / Afan Way - C - Afan Way (E)	0.0	0.00
3 - Green Park St / Afan Way - A - Afan Way (E)	0.0	0.00
3 - Green Park St / Afan Way - B - Green Park St	0.5	9.01
3 - Green Park St / Afan Way - C - Afan Way (W)	0.1	0.78
4 - Water St / Afan Way - A - Afan Way (W)	0.0	0.00
4 - Water St / Afan Way - B - Water St	0.4	9.98
4 - Water St / Afan Way - C - Water St (E)	0.4	1.96
[Lane Simulation] - 2030 Base		
1 - ATS / Afan Way - A - Afan Way (E)	0.0	0.00
1 - ATS / Afan Way - B - ATS	0.0	0.00
1 - ATS / Afan Way - C - Afan Way (W)	0.0	0.02

2 - ALDI / Afan Way - A - Afan Way (W)	0.0	0.00
2 - ALDI / Afan Way - B - ALDI	0.0	0.00
2 - ALDI / Afan Way - C - Afan Way (E)	0.0	0.00
3 - Green Park St / Afan Way - A - Afan Way (E)	0.0	0.00
3 - Green Park St / Afan Way - B - Green Park St	0.5	9.47
3 - Green Park St / Afan Way - C - Afan Way (W)	0.2	0.76
4 - Water St / Afan Way - A - Afan Way (W)	0.0	0.00
4 - Water St / Afan Way - B - Water St	0.6	10.52
4 - Water St / Afan Way - C - Water St (E)	0.5	2.12
[Lane Simulation] - 2025 Base + Dev		
1 - ATS / Afan Way - A - Afan Way (E)	0.0	0.00
1 - ATS / Afan Way - B - ATS	0.0	0.00
1 - ATS / Afan Way - C - Afan Way (W)	0.0	0.02
2 - ALDI / Afan Way - A - Afan Way (W)	0.0	0.00
2 - ALDI / Afan Way - B - ALDI	0.4	9.51
2 - ALDI / Afan Way - C - Afan Way (E)	0.1	0.67
3 - Green Park St / Afan Way - A - Afan Way (E)	0.0	0.01
3 - Green Park St / Afan Way - B - Green Park St	0.3	9.36
3 - Green Park St / Afan Way - C - Afan Way (W)	0.1	0.71
4 - Water St / Afan Way - A - Afan Way (W)	0.0	0.00
4 - Water St / Afan Way - B - Water St	0.5	10.14
4 - Water St / Afan Way - C - Water St (E)	0.5	1.94
[Lane Simulation] - 2030 Base + Dev		
1 - ATS / Afan Way - A - Afan Way (E)	0.0	0.00
1 - ATS / Afan Way - B - ATS	0.0	0.00
1 - ATS / Afan Way - C - Afan Way (W)	0.0	0.02
2 - ALDI / Afan Way - A - Afan Way (W)	0.0	0.00
2 - ALDI / Afan Way - B - ALDI	0.3	9.92
2 - ALDI / Afan Way - C - Afan Way (E)	0.1	0.66
3 - Green Park St / Afan Way - A - Afan Way (E)	0.0	0.01
3 - Green Park St / Afan Way - B - Green Park St	0.4	9.95
3 - Green Park St / Afan Way - C - Afan Way (W)	0.2	0.70
4 - Water St / Afan Way - A - Afan Way (W)	0.0	0.00
4 - Water St / Afan Way - B - Water St	0.5	10.84
4 - Water St / Afan Way - C - Water St (E)	0.5	2.07

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of Av. delay per arriving vehicle. Arm and junction delays are Av.s for all movements, including movements with zero delay.

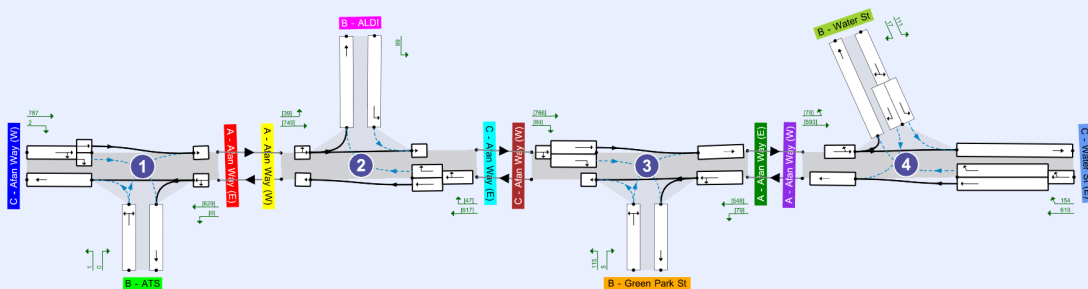
File summary

File Description

Title	Afan Way Corridor Model
Location	Port Talbot
Site number	
Date	07/04/2023
Version	
Status	
Identifier	
Client	
Jobnumber	
Enumerator	al
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Av. delay units	Total delay units	Rate of delay units
m	kph	Veh	Veh	perHour	s	-Hour	perHour



Flows show original traffic demand (Veh/hr).

Lane simulation visualisation time: 15:45:00

The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Q Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Av. Delay threshold (s)	Q threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
5.75						0.85	36.00	20.00		

Lane Simulation options

Criteria type	Stop criteria (%)	Stop criteria time (s)	Stop criteria number of trials	Calculate RFCs	Random seed	Results refresh speed (s)	Individual vehicle animation number of trials	Av. animation capture interval (s)	Use quick response	Do flow sampling	Suppress automatic lane creation	Last run random seed	Last run number of trials	Last run time taken (s)
Delay	1.00	100000	100000	Do not calculate	1377540987	3	1	60	✓		✓	1377540987	101	6.26

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2023 Observed	PM	ONE HOUR	15:45	17:15	15	✓
D2	2025 Base	PM	ONE HOUR	15:45	17:15	15	✓
D3	2030 Base	PM	ONE HOUR	15:45	17:15	15	✓
D4	2025 Base + Dev	PM	ONE HOUR	15:45	17:15	15	✓
D5	2030 Base + Dev	PM	ONE HOUR	15:45	17:15	15	✓

Analysis Set Details

ID	Use Lane Simulation	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	100.000	100.000

2023 Observed, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	4 - Water St / Afan Way - B - Water St - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	ATS / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.01	A
2	ALDI / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.00	A
3	Green Park St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.14	A
4	Water St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.65	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.73	A

Arms

Arms

Junction	Arm	Name	Description	Arm type
1 - ATS / Afan Way	A	Afan Way (E)		Major
	B	ATS		Minor
	C	Afan Way (W)		Major
2 - ALDI / Afan Way	A	Afan Way (W)		Major
	B	ALDI		Minor
	C	Afan Way (E)		Major
3 - Green Park St / Afan Way	A	Afan Way (E)		Major
	B	Green Park St		Minor
	C	Afan Way (W)		Major
4 - Water St / Afan Way	A	Afan Way (W)		Major
	B	Water St		Minor
	C	Water St (E)		Major

Major Arm Geometry

Junction	Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Width for right-turn storage (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)	Vehs causing blocking (%)
1 - ATS / Afan Way	C - Afan Way (W)	7.10		✓	3.00	250.0	✓	1.00	100
2 - ALDI / Afan Way	C - Afan Way (E)	6.90		✓	2.84	100.0	✓	2.00	100
3 - Green Park St / Afan Way	C - Afan Way (W)	6.60		✓	3.08	205.0	✓	3.00	100
4 - Water St / Afan Way	C - Water St (E)	7.45		✓	3.50	175.0	✓	6.00	100

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

Minor Arm Geometry

Junction	Arm	Minor arm type	Lane width (m)	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
1 - ATS / Afan Way	B - ATS	One lane	4.00								14	15
2 - ALDI / Afan Way	B - ALDI	One lane	4.15								28	24
3 - Green Park St / Afan Way	B - Green Park St	One lane	4.06								27	37
4 - Water St / Afan Way	B - Water St	One lane plus flare		10.00	7.00	6.00	5.30	4.50	✓	3.00	88	55

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1 - ATS / Afan Way	B-A	539	0.094	0.237	0.149	0.339
	B-C	697	0.101	0.256	-	-
	C-B	781	0.288	0.288	-	-

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
2 - ALDI / Afan Way	B-A	556	0.098	0.247	0.155	0.353
	B-C	713	0.104	0.264	-	-
	C-B	676	0.252	0.252	-	-

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
3 - Green Park St / Afan Way	B-A	558	0.099	0.249	0.157	0.356
	B-C	716	0.107	0.271	-	-
	C-B	759	0.286	0.286	-	-

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
4 - Water St / Afan Way	B-A	473	0.080	0.203	0.127	0.289
	B-C	770	0.111	0.282	-	-
	C-B	771	0.280	0.280	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Lane Simulation: Arm options

Junction	Arm	Traffic considering secondary lanes (%)
1 - ATS / Afan Way	A - Afan Way (E)	10.00
	B - ATS	10.00
	C - Afan Way (W)	10.00
2 - ALDI / Afan Way	A - Afan Way (W)	10.00
	B - ALDI	10.00
	C - Afan Way (E)	10.00
3 - Green Park St / Afan Way	A - Afan Way (E)	10.00
	B - Green Park St	10.00
	C - Afan Way (W)	10.00
4 - Water St / Afan Way	A - Afan Way (W)	10.00
	B - Water St	10.00
	C - Water St (E)	10.00

Lanes

Junction	Arm	Side	Lane level	Lane	Destination arms	Has limited storage	Storage (PCU)	Has bottleneck	Has obstruction	Min Cap (PCU/hr)	Max Cap (PCU/hr)	Signalised
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	✓	1.00			0	99999	
		Exit	1	1		✓	1.00			0	99999	
	B - ATS	Entry	1	1	A, C		Infinity			0	99999	
		Exit	1	1			Infinity			0	99999	
	C - Afan Way (W)	Entry	1	1	A	✓	1.00			0	99999	
				2	B	✓	1.00			0	99999	
		Exit	1	1	(A, B)		Infinity			0	99999	
				1			Infinity			0	99999	
		Exit	1	1			Infinity			0	99999	
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	✓	1.00			0	99999	
		Exit	1	1		✓	1.00			0	99999	
	B - ALDI	Entry	1	1	C		Infinity			0	99999	
		Exit	1	1			Infinity			0	99999	
	C - Afan Way (E)	Entry	1	1	A	✓	2.00			0	99999	
				2	B	✓	2.00			0	99999	
		Exit	1	1	(A, B)	✓	2.00			0	99999	
				1			1.00			0	99999	
		Exit	1	1			1.00			0	99999	
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	✓	3.00			0	99999	
		Exit	1	1		✓	3.00			0	99999	
	B - Green Park St	Entry	1	1	A, C		Infinity			0	99999	
		Exit	1	1			Infinity			0	99999	
	C - Afan Way (W)	Entry	1	1	A	✓	3.00			0	99999	
				2	B	✓	3.00			0	99999	
		Exit	1	1	(A, B)	✓	1.00			0	99999	
				1			1.00			0	99999	
		Exit	1	1			1.00			0	99999	
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	✓	2.00			0	99999	
		Exit	1	1		✓	3.00			0	99999	
	B - Water St	Entry	1	1	C	✓	3.00			0	99999	
				2	A	✓	3.00			0	99999	
		Exit	1	1	(A, C)		Infinity			0	99999	
				1			Infinity			0	99999	
	C - Water St (E)	Entry	1	1	A	✓	6.00			0	99999	
				2	B	✓	6.00			0	99999	
		Exit	1	1	(A, B)		Infinity			0	99999	
				1			Infinity			0	99999	
		Exit	1	1			Infinity			0	99999	

Summary of Entry Lane allowed movements

Junction	Arm	Lane Level	Lane	Destination arm		
				Afan Way (E)	ATS	Afan Way (W)
1 - ATS / Afan Way	A - Afan Way (E)	1	1		✓	✓
	B - ATS	1	1	✓		✓
	C - Afan Way (W)	1	1	✓		
			2		✓	
		2	1	✓	✓	

Summary of Entry Lane allowed movements

Junction	Arm	Lane Level	Lane	Destination arm		
				Afan Way (W)	ALDI	Afan Way (E)
2 - ALDI / Afan Way	A - Afan Way (W)	1	1		✓	✓
	B - ALDI	1	1			✓
	C - Afan Way (E)	1	1	✓		
			2		✓	
		2	1	✓	✓	

Summary of Entry Lane allowed movements

Junction	Arm	Lane Level	Lane	Destination arm		
				Afan Way (E)	Green Park St	Afan Way (W)
3 - Green Park St / Afan Way	A - Afan Way (E)	1	1		✓	✓
	B - Green Park St	1	1	✓		✓
	C - Afan Way (W)	1	1	✓		
			2		✓	
		2	1	✓	✓	

Summary of Entry Lane allowed movements

Junction	Arm	Lane Level	Lane	Destination arm		
				Afan Way (W)	Water St	Water St (E)
4 - Water St / Afan Way	A - Afan Way (W)	1	1		✓	✓
	B - Water St	1	1			✓
			2	✓		
		2	1	✓		✓
	C - Water St (E)	1	1	✓		
			2		✓	
		2	1	✓	✓	

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2023 Observed	PM	ONE HOUR	15:45	17:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (Veh/hr)	Flow multiplier (%)	Internal storage space (PCU)
1 - ATS / Afan Way	A - Afan Way (E)	2	A	Simple (vertical queueing)	Normal	0	100.00	
2 - ALDI / Afan Way	A - Afan Way (W)	1	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (E)	3	C	Simple (vertical queueing)	Normal	0	100.00	
3 - Green Park St / Afan Way	A - Afan Way (E)	4	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (W)	2	C	Simple (vertical queueing)	Normal	0	100.00	
4 - Water St / Afan Way	A - Afan Way (W)	3	A	Simple (vertical queueing)	Normal	0	100.00	

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Av. Demand (Veh/hr)	Scaling Factor (%)
1 - ATS / Afan Way	A - Afan Way (E)	✓				
	B - ATS		ONE HOUR	✓	1	100.000
	C - Afan Way (W)		ONE HOUR	✓	711	100.000
2 - ALDI / Afan Way	A - Afan Way (W)	✓				
	B - ALDI		ONE HOUR	✓	0	100.000
	C - Afan Way (E)	✓				
3 - Green Park St / Afan Way	A - Afan Way (E)	✓				
	B - Green Park St		ONE HOUR	✓	112	100.000
	C - Afan Way (W)	✓				
4 - Water St / Afan Way	A - Afan Way (W)	✓				
	B - Water St		ONE HOUR	✓	119	100.000
	C - Water St (E)		ONE HOUR	✓	677	100.000

Origin-Destination Data

Demand (Veh/hr)

1 - ATS / Afan Way

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	584
	B - ATS	0	0	1
	C - Afan Way (W)	709	2	0

Demand (Veh/hr)

2 - ALDI / Afan Way

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	709
	B - ALDI	0	0	0
	C - Afan Way (E)	584	0	0

Demand (Veh/hr)

3 - Green Park St / Afan Way

	To			
		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
From	A - Afan Way (E)	0	73	477
	B - Green Park St	5	0	107
	C - Afan Way (W)	635	74	0

Demand (Veh/hr)

4 - Water St / Afan Way

	To			
		A - Afan Way (W)	B - Water St	C - Water St (E)
From	A - Afan Way (W)	0	34	606
	B - Water St	16	0	103
	C - Water St (E)	534	143	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80
2	0.20	0.80
3	0.20	0.80
4	0.20	0.80

Heavy Vehicle %

1 - ATS / Afan Way

	To			
		A - Afan Way (E)	B - ATS	C - Afan Way (W)
From	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
		A - Afan Way (E)	B - ATS	C - Afan Way (W)
From	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

2 - ALDI / Afan Way

	To			
		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
From	A - Afan Way (W)	0	0	1
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Cyclist %

	To			
		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
From	A - Afan Way (W)	0	0	0
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Heavy Vehicle %

3 - Green Park St / Afan Way

	To			
		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
From	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
From	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

4 - Water
St / Afan
Way

From	To			
		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	3	1
	B - Water St	0	0	0
	C - Water St (E)	0	2	0

Cyclist %

From	To			
		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	0	0
	B - Water St	0	0	0
	C - Water St (E)	0	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max Delay (s)	Max Q (Veh)	Max LOS	Av. Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	0.00	0.0	A	537	806
	B - ATS	0.00	0.0	A	0	0
	C - Afan Way (W)	0.02	0.0	A	645	967
2 - ALDI / Afan Way	A - Afan Way (W)	0.00	0.0	A	643	965
	B - ALDI	0.00	0.0	A	0	0
	C - Afan Way (E)	0.00	0.0	A	537	806
3 - Green Park St / Afan Way	A - Afan Way (E)	0.00	0.0	A	504	756
	B - Green Park St	8.86	0.3	A	104	155
	C - Afan Way (W)	0.78	0.2	A	643	964
4 - Water St / Afan Way	A - Afan Way (W)	0.00	0.0	A	580	871
	B - Water St	9.54	0.5	A	110	165
	C - Water St (E)	1.80	0.3	A	620	931

Main Results for each time segment

15:45 - 16:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	439	110	439	442	525	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	1	0.0	0.0	0.000	A
	C - Afan Way (W)	526	132	526	532	439	0.0	0.0	0.017	A
2 - ALDI / Afan Way	A - Afan Way (W)	525	131	525	530	439	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	439	110	439	442	525	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	412	103	412	412	479	0.0	0.0	0.000	A
	B - Green Park St	82	21	83	86	102	0.0	0.1	7.186	A
	C - Afan Way (W)	525	131	525	530	439	0.0	0.1	0.622	A
4 - Water St / Afan Way	A - Afan Way (W)	479	120	479	481	412	0.0	0.0	0.000	A
	B - Water St	91	23	91	90	136	0.0	0.1	7.352	A
	C - Water St (E)	508	127	508	509	531	0.0	0.2	1.592	A

16:00 - 16:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	529	132	529	523	621	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	623	156	623	638	529	0.0	0.0	0.019	A
2 - ALDI / Afan Way	A - Afan Way (W)	621	155	621	637	529	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	529	132	529	523	621	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	497	124	497	494	557	0.0	0.0	0.000	A
	B - Green Park St	104	26	103	99	135	0.1	0.2	7.516	A
	C - Afan Way (W)	621	155	621	635	529	0.1	0.1	0.664	A
4 - Water St / Afan Way	A - Afan Way (W)	557	139	557	575	497	0.0	0.0	0.000	A
	B - Water St	105	26	105	108	165	0.1	0.2	8.291	A
	C - Water St (E)	616	154	615	610	614	0.2	0.3	1.646	A

16:15 - 16:30

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	650	163	650	643	775	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	777	194	777	785	650	0.0	0.0	0.017	A
2 - ALDI / Afan Way	A - Afan Way (W)	775	194	775	782	650	0.0	0.0	0.001	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	650	163	650	643	775	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	605	151	605	603	697	0.0	0.0	0.000	A
	B - Green Park St	129	32	129	125	162	0.2	0.3	8.744	A
	C - Afan Way (W)	775	194	775	781	650	0.1	0.2	0.784	A
4 - Water St / Afan Way	A - Afan Way (W)	697	174	697	703	605	0.0	0.0	0.000	A
	B - Water St	135	34	134	131	186	0.2	0.5	9.260	A
	C - Water St (E)	734	184	736	739	776	0.3	0.3	1.801	A

16:30 - 16:45

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	647	162	647	646	777	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	778	195	778	787	647	0.0	0.0	0.020	A
2 - ALDI / Afan Way	A - Afan Way (W)	777	194	777	784	647	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	647	162	647	646	777	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	609	152	609	608	703	0.0	0.0	0.000	A
	B - Green Park St	120	30	120	122	156	0.3	0.3	8.861	A
	C - Afan Way (W)	777	194	777	783	647	0.2	0.1	0.708	A
4 - Water St / Afan Way	A - Afan Way (W)	703	176	703	709	609	0.0	0.0	0.000	A
	B - Water St	128	32	128	132	191	0.5	0.3	9.540	A
	C - Water St (E)	748	187	750	747	781	0.3	0.3	1.789	A

16:45 - 17:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	522	130	522	526	629	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	631	158	630	649	522	0.0	0.0	0.017	A
2 - ALDI / Afan Way	A - Afan Way (W)	629	157	629	646	522	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	522	130	522	526	629	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	489	122	489	490	564	0.0	0.0	0.000	A
	B - Green Park St	101	25	101	103	132	0.3	0.2	7.749	A
	C - Afan Way (W)	629	157	628	645	522	0.1	0.1	0.717	A
4 - Water St / Afan Way	A - Afan Way (W)	564	141	564	583	489	0.0	0.0	0.000	A
	B - Water St	110	28	110	108	164	0.3	0.2	8.330	A
	C - Water St (E)	607	152	608	611	630	0.3	0.3	1.717	A

17:00 - 17:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	438	109	438	440	532	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	534	133	534	544	438	0.0	0.0	0.012	A
2 - ALDI / Afan Way	A - Afan Way (W)	532	133	532	543	438	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	438	109	438	440	532	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	412	103	412	416	481	0.0	0.0	0.000	A
	B - Green Park St	84	21	84	85	109	0.2	0.2	7.249	A
	C - Afan Way (W)	532	133	532	541	438	0.1	0.1	0.643	A
4 - Water St / Afan Way	A - Afan Way (W)	482	120	482	490	412	0.0	0.0	0.000	A
	B - Water St	92	23	93	92	135	0.2	0.1	7.675	A
	C - Water St (E)	509	127	509	517	536	0.3	0.2	1.489	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	439	439	442	0.0	0.0	0.000	A
		Exit	1	1		525	525	530	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		1	1	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	525	525	530	0.0	0.0	0.000	A
				2	B	1	1	2	0.0	0.0	5.657	A
		Exit	1	1	(A, B)	526	526	532	0.0	0.0	0.000	A
				1		439	439	442	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	525	525	530	0.0	0.0	0.000	A
		Exit	1	1		439	439	442	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	439	439	442	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
		Exit	1	1	(A, B)	439	439	442	0.0	0.0	0.000	A
				1		525	525	530	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	412	412	412	0.0	0.0	0.000	A
		Exit	1	1		479	479	480	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	82	83	86	0.0	0.1	7.186	A
		Exit	1	1		102	102	105	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	475	475	476	0.0	0.0	0.000	A
				2	B	50	50	54	0.0	0.1	6.057	A
		Exit	1	1	(A, B)	525	525	530	0.0	0.0	0.000	A
				1		439	439	442	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	479	479	481	0.0	0.0	0.000	A
		Exit	1	1		412	412	412	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	76	76	77	0.0	0.1	6.501	A
				2	A	15	15	13	0.0	0.0	12.241	B
		Exit	1	1	(A, C)	91	91	91	0.0	0.0	0.036	A
				1		136	136	134	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	397	397	399	0.0	0.0	0.000	A
				2	B	111	111	110	0.0	0.2	7.432	A
		Exit	1	1	(A, B)	508	508	510	0.0	0.0	0.000	A
				1		531	531	535	0.0	0.0	0.000	A

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	529	529	523	0.0	0.0	0.000	A
		Exit	1	1		621	621	636	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	621	621	636	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	6.176	A
			2	1	(A, B)	623	623	638	0.0	0.0	0.000	A
		Exit	1	1		529	529	523	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	621	621	637	0.0	0.0	0.000	A
		Exit	1	1		529	529	523	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	529	529	523	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	529	529	523	0.0	0.0	0.000	A
		Exit	1	1		621	621	637	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	497	497	494	0.0	0.0	0.000	A
		Exit	1	1		557	557	574	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	104	103	99	0.1	0.2	7.516	A
		Exit	1	1		135	135	132	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	552	552	569	0.0	0.0	0.000	A
				2	B	69	69	66	0.1	0.1	6.322	A
			2	1	(A, B)	621	621	636	0.0	0.0	0.000	A
		Exit	1	1		529	529	523	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	557	557	575	0.0	0.0	0.000	A
		Exit	1	1		497	497	494	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	89	89	93	0.1	0.2	7.130	A
				2	A	15	16	15	0.0	0.0	15.215	C
			2	1	(A, C)	105	105	108	0.0	0.0	0.034	A
		Exit	1	1		165	165	162	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	482	482	479	0.0	0.0	0.000	A
				2	B	134	133	131	0.2	0.3	7.770	A
			2	1	(A, B)	616	616	610	0.0	0.0	0.001	A
		Exit	1	1		614	614	636	0.0	0.0	0.000	A

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	650	650	643	0.0	0.0	0.000	A
		Exit	1	1		775	775	782	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	775	775	782	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.044	A
			2	1	(A, B)	777	777	785	0.0	0.0	0.001	A
		Exit	1	1		650	650	643	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	775	775	782	0.0	0.0	0.001	A
		Exit	1	1		650	650	643	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	650	650	643	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	650	650	643	0.0	0.0	0.000	A
		Exit	1	1		775	775	782	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	605	605	603	0.0	0.0	0.000	A
		Exit	1	1		697	697	701	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	129	129	125	0.2	0.3	8.744	A
		Exit	1	1		162	162	166	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	690	690	695	0.0	0.0	0.000	A
				2	B	85	85	86	0.1	0.2	7.060	A
			2	1	(A, B)	775	775	781	0.0	0.0	0.002	A
		Exit	1	1		650	650	643	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	697	697	703	0.0	0.0	0.000	A
		Exit	1	1		605	605	603	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	116	115	113	0.2	0.3	7.739	A
				2	A	19	19	18	0.0	0.2	18.119	C
			2	1	(A, C)	135	135	132	0.0	0.0	0.060	A
		Exit	1	1		186	186	191	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	586	586	585	0.0	0.0	0.000	A
				2	B	149	150	154	0.3	0.3	8.734	A
			2	1	(A, B)	734	734	739	0.0	0.0	0.010	A
		Exit	1	1		776	776	779	0.0	0.0	0.000	A

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	647	647	646	0.0	0.0	0.000	A
		Exit	1	1		777	777	785	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	777	777	785	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	7.402	A
			2	1	(A, B)	778	778	787	0.0	0.0	0.000	A
		Exit	1	1		647	647	646	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	777	777	784	0.0	0.0	0.000	A
		Exit	1	1		647	647	646	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	647	647	646	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	647	647	646	0.0	0.0	0.000	A
		Exit	1	1		777	777	784	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	609	609	608	0.0	0.0	0.000	A
		Exit	1	1		703	703	709	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	120	120	122	0.3	0.3	8.861	A
		Exit	1	1		156	156	159	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	698	698	703	0.0	0.0	0.000	A
				2	B	79	79	81	0.2	0.1	6.856	A
			2	1	(A, B)	777	777	783	0.0	0.0	0.000	A
		Exit	1	1		647	647	646	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	703	703	709	0.0	0.0	0.000	A
		Exit	1	1		609	609	608	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	112	112	114	0.3	0.2	8.021	A
				2	A	16	16	19	0.2	0.1	18.472	C
			2	1	(A, C)	128	128	132	0.0	0.0	0.053	A
		Exit	1	1		191	191	199	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	593	593	589	0.0	0.0	0.000	A
				2	B	155	156	158	0.3	0.3	8.577	A
			2	1	(A, B)	748	748	747	0.0	0.0	0.002	A
		Exit	1	1		781	781	783	0.0	0.0	0.000	A

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	522	522	526	0.0	0.0	0.000	A
		Exit	1	1		629	629	647	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	629	629	647	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.738	A
			2	1	(A, B)	631	631	649	0.0	0.0	0.000	A
		Exit	1	1		522	522	526	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	629	629	646	0.0	0.0	0.000	A
		Exit	1	1		522	522	526	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	522	522	526	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	522	522	526	0.0	0.0	0.000	A
		Exit	1	1		629	629	646	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	489	489	490	0.0	0.0	0.000	A
		Exit	1	1		564	564	583	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	101	101	103	0.3	0.2	7.749	A
		Exit	1	1		132	132	130	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	560	560	578	0.0	0.0	0.000	A
				2	B	69	68	67	0.1	0.1	6.852	A
			2	1	(A, B)	629	629	645	0.0	0.0	0.000	A
		Exit	1	1		522	522	526	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	564	564	583	0.0	0.0	0.000	A
		Exit	1	1		489	489	490	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	97	97	94	0.2	0.2	7.174	A
				2	A	13	13	14	0.1	0.1	16.065	C
			2	1	(A, C)	110	110	107	0.0	0.0	0.034	A
		Exit	1	1		164	164	166	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	476	476	477	0.0	0.0	0.000	A
				2	B	131	132	134	0.3	0.3	7.930	A
			2	1	(A, B)	607	607	611	0.0	0.0	0.000	A
		Exit	1	1		630	630	645	0.0	0.0	0.000	A

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	438	438	440	0.0	0.0	0.000	A
		Exit	1	1		532	532	542	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	1	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	532	532	542	0.0	0.0	0.000	A
				2	B	1	2	1	0.0	0.0	5.064	A
		Exit	1	1	(A, B)	534	534	544	0.0	0.0	0.000	A
				1		438	438	440	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	532	532	543	0.0	0.0	0.000	A
		Exit	1	1		438	438	440	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	438	438	440	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
		Exit	1	1	(A, B)	438	438	440	0.0	0.0	0.000	A
				1		532	532	543	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	412	412	416	0.0	0.0	0.000	A
		Exit	1	1		481	481	488	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	84	84	85	0.2	0.2	7.249	A
		Exit	1	1		109	109	114	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	477	477	484	0.0	0.0	0.000	A
				2	B	56	56	57	0.1	0.1	6.071	A
		Exit	1	1	(A, B)	532	532	541	0.0	0.0	0.001	A
				1		438	438	440	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	482	482	490	0.0	0.0	0.000	A
		Exit	1	1		412	412	416	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	80	81	79	0.2	0.1	6.718	A
				2	A	12	12	13	0.1	0.0	13.652	B
		Exit	1	1	(A, C)	92	92	92	0.0	0.0	0.012	A
				1		135	135	139	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	400	400	403	0.0	0.0	0.000	A
				2	B	109	109	114	0.3	0.2	6.905	A
		Exit	1	1	(A, B)	509	509	517	0.0	0.0	0.000	A
				1		536	536	544	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	439	110	-	-	-	439	442	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	525	131	-	-	-	525	530	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	1	0.33	248	209	0.006	1	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	525	131	-	-	-	525	530	0.0

			2	1	B	1	0.33	-	-	-	1	2	0.0																																																																																																																																																																																																																																																																																						
					C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	525	131	-	-	-	525	530	0.0																																																																																																																																																																																																																																																																																						
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
	C - Afan Way (E)	Entry	1	1	A	439	110	-	-	-	439	442	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
				2	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
			2	1	A	439	110	-	-	-	439	442	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
C					0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																							
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					B	52	13	-	-	-	52	51	0.0																																																																																																																																																																																																																																																																																						
					C	360	90	-	-	-	360	360	0.0																																																																																																																																																																																																																																																																																						
	B - Green Park St	Entry	1	1	A	4	0.98	332	220	0.018	5	4	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	78	20	716	613	0.128	78	82	0.0																																																																																																																																																																																																																																																																																						
	C - Afan Way (W)	Entry	1	1	A	475	119	-	-	-	475	476	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
2			1	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																							
				B	50	13	759	641	0.078	50	54	0.0																																																																																																																																																																																																																																																																																							
				C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																							
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					B	24	6	-	-	-	24	23	0.0																																																																																																																																																																																																																																																																																						
					C	455	114	-	-	-	455	457	0.0																																																																																																																																																																																																																																																																																						
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	76	19	770	635	0.120	76	77	0.0																																																																																																																																																																																																																																																																																						
			2	1	A	15	4	450	281	0.055	15	13	0.0																																																																																																																																																																																																																																																																																						
					B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
					C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																						
C - Water St (E)	Entry	1	1	A	397	99	-	-	-	397	399	0.0																																																																																																																																																																																																																																																																																							
				B	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																							
				C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																							
		2	1	A	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																							
				B	111	28	771	615	0.180	111	110	0.0																																																																																																																																																																																																																																																																																							
				C	0	0	0	0	0.000	0	0	0.0																																																																																																																																																																																																																																																																																							

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
					A	0	0	0	0	0.000	0	0	0.0

1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	529	132	-	-	-	529	523	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	621	155	-	-	-	621	636	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.62	302	242	0.010	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	621	155	-	-	-	621	636	0.0
					B	2	0.62	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	621	155	-	-	-	621	637	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	529	132	-	-	-	529	523	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	529	132	-	-	-	529	523	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	66	16	-	-	-	66	66	0.0
					C	432	108	-	-	-	432	429	0.0
	B - Green Park St	Entry	1	1	A	6	1	381	231	0.026	6	4	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	98	25	716	592	0.166	97	95	0.1
	C - Afan Way (W)	Entry	1	1	A	552	138	-	-	-	552	569	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	69	17	759	615	0.112	69	66	0.1
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	552	138	-	-	-	552	569	0.0
					B	69	17	-	-	-	69	66	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	32	8	-	-	-	32	32	0.0
					C	526	131	-	-	-	526	543	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	89	22	770	614	0.145	89	93	0.1
			2	1	A	15	4	459	252	0.061	16	15	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	15	4	-	-	-	15	15	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	89	22	-	-	-	89	93	0.0
				1	A	482	120	-	-	-	482	479	0.0
				1	B	0	0	0	0	0.000	0	0	0.0

	C - Water St (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	134	34	771	604	0.222	133	131	0.2
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	482	120	-	-	-	482	479	0.0
					B	134	34	-	-	-	134	131	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	650	163	-	-	-	650	643	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	775	194	-	-	-	775	782	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.48	340	260	0.007	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	775	194	-	-	-	775	782	0.0
					B	2	0.48	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	775	194	-	-	-	775	782	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	650	163	-	-	-	650	643	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	650	163	-	-	-	650	643	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	77	19	-	-	-	77	80	0.0
					C	528	132	-	-	-	528	523	0.0
	B - Green Park St	Entry	1	1	A	7	2	409	208	0.033	7	6	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	122	31	716	563	0.217	122	119	0.2
	C - Afan Way (W)	Entry	1	1	A	690	172	-	-	-	690	695	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	85	21	759	588	0.144	85	86	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	690	172	-	-	-	690	695	0.0
					B	85	21	-	-	-	85	86	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	36	9	-	-	-	36	37	0.0

4 - Water St / Afan Way	B - Water St	Entry	1	C	661	165	-	-	-	661	666	0.0
				A	0	0	0	0	0.000	0	0	0.0
				B	0	0	0	0	0.000	0	0	0.0
			2	C	116	29	770	558	0.208	115	113	0.2
				A	19	5	473	214	0.088	19	18	0.0
				B	0	0	0	0	0.000	0	0	0.0
			2	C	0	0	0	0	0.000	0	0	0.0
				A	19	5	-	-	-	19	18	0.0
				B	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	1	C	116	29	-	-	-	116	114	0.0
				A	586	146	-	-	-	586	585	0.0
				B	0	0	0	0	0.000	0	0	0.0
			2	C	0	0	0	0	0.000	0	0	0.0
				A	0	0	0	0	0.000	0	0	0.0
				B	149	37	771	563	0.264	150	154	0.3
			2	C	0	0	0	0	0.000	0	0	0.0
				A	586	146	-	-	-	586	585	0.0
				B	149	37	-	-	-	149	154	0.0
			1	C	0	0	0	0	0.000	0	0	0.0
				A	586	146	-	-	-	586	585	0.0
				B	149	37	-	-	-	149	154	0.0
			2	C	0	0	0	0	0.000	0	0	0.0
				A	586	146	-	-	-	586	585	0.0
				B	149	37	-	-	-	149	154	0.0
			2	C	0	0	0	0	0.000	0	0	0.0
				A	586	146	-	-	-	586	585	0.0
				B	149	37	-	-	-	149	154	0.0

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	647	162	-	-	-	647	646	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	777	194	-	-	-	777	785	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.42	333	252	0.007	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	777	194	-	-	-	777	785	0.0
					B	2	0.42	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	777	194	-	-	-	777	784	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	647	162	-	-	-	647	646	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	647	162	-	-	-	647	646	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	77	19	-	-	-	77	79	0.0
					C	532	133	-	-	-	532	529	0.0
	B - Green Park St	Entry	1	1	A	5	1	436	223	0.024	5	6	0.3

3 - Green Park St / Afan Way	C - Afan Way (W)	Entry	1	1	C	115	29	716	563	0.204	114	117	0.3
					A	698	175	-	-	-	698	703	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	79	20	759	586	0.134	79	81	0.2
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	698	175	-	-	-	698	703	0.0
					B	79	20	-	-	-	79	80	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	34	9	-	-	-	34	40	0.0
					C	669	167	-	-	-	669	669	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	112	28	770	565	0.199	112	114	0.3
			2	1	A	16	4	468	206	0.078	16	19	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	2	1	A	16	4	-	-	-	16	19	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	112	28	-	-	-	112	113	0.0
			1	1	A	593	148	-	-	-	593	589	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	155	39	771	559	0.277	156	158	0.3
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	593	148	-	-	-	593	589	0.0
					B	155	39	-	-	-	155	159	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	522	130	-	-	-	522	526	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	629	157	-	-	-	629	647	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.50	302	239	0.008	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	629	157	-	-	-	629	646	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				1	A	522	130	-	-	-	522	526	0.0
					B	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	522	130	-	-	-	522	526	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	64	16	-	-	-	64	63	0.0
					C	425	106	-	-	-	425	427	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	64	16	-	-	-	64	63	0.0
					C	425	106	-	-	-	425	427	0.0
	B - Green Park St	Entry	1	1	A	4	1	398	231	0.018	4	5	0.3
					B	0	0	0	0	0.000	0	0	0.0
					C	97	24	716	594	0.164	97	99	0.3
	C - Afan Way (W)	Entry	1	1	A	560	140	-	-	-	560	578	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	69	17	759	621	0.111	68	67	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	560	140	-	-	-	560	578	0.0
					B	69	17	-	-	-	69	67	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	31	8	-	-	-	31	32	0.0
					C	533	133	-	-	-	533	551	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	97	24	770	607	0.160	97	94	0.2
				2	A	13	3	473	255	0.050	13	14	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	13	3	-	-	-	13	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	97	24	-	-	-	97	94	0.0
	C - Water St (E)	Entry	1	1	A	476	119	-	-	-	476	477	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	131	33	771	602	0.218	132	134	0.3
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	476	119	-	-	-	476	477	0.0
					B	131	33	-	-	-	131	134	0.0
					C	0	0	0	0	0.000	0	0	0.0

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	438	109	-	-	-	438	440	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			1	1	A	532	133	-	-	-	532	542	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (W)	Entry		2	B	1	0.33	232	194	0.007	2	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	532	133	-	-	-	532	542	0.0
			2	1	B	1	0.33	-	-	-	1	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	532	133	-	-	-	532	543	0.0
					A	0	0	0	0	0.000	0	0	0.0
	B - ALDI	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	438	109	-	-	-	438	440	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	438	109	-	-	-	438	440	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	53	13	-	-	-	53	57	0.0
					C	359	90	-	-	-	359	359	0.0
	B - Green Park St	Entry	1	1	A	5	1	376	246	0.018	5	4	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	716	611	0.129	79	81	0.2
	C - Afan Way (W)	Entry	1	1	A	477	119	-	-	-	477	484	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	56	14	759	639	0.087	56	57	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	477	119	-	-	-	477	484	0.0
					B	56	14	-	-	-	56	57	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	26	6	-	-	-	26	26	0.0
					C	456	114	-	-	-	456	464	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	80	20	770	632	0.126	81	79	0.2
				2	A	12	3	454	279	0.044	12	13	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	12	3	-	-	-	12	13	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	80	20	-	-	-	80	79	0.0
	C - Water St (E)	Entry	1	1	A	400	100	-	-	-	400	403	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	109	27	771	622	0.176	109	114	0.3
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	400	100	-	-	-	400	403	0.0
					B	109	27	-	-	-	109	114	0.0
					C	0	0	0	0	0.000	0	0	0.0

2025 Base, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	4 - Water St / Afan Way - B - Water St - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	ATS / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.01	A
2	ALDI / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.00	A
3	Green Park St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.13	A
4	Water St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.73	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.75	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2025 Base	PM	ONE HOUR	15:45	17:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (Veh/hr)	Flow multiplier (%)	Internal storage space (PCU)
1 - ATS / Afan Way	A - Afan Way (E)	2	A	Simple (vertical queueing)	Normal	0	100.00	
2 - ALDI / Afan Way	A - Afan Way (W)	1	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (E)	3	C	Simple (vertical queueing)	Normal	0	100.00	
3 - Green Park St / Afan Way	A - Afan Way (E)	4	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (W)	2	C	Simple (vertical queueing)	Normal	0	100.00	
4 - Water St / Afan Way	A - Afan Way (W)	3	A	Simple (vertical queueing)	Normal	0	100.00	

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Av. Demand (Veh/hr)	Scaling Factor (%)
1 - ATS / Afan Way	A - Afan Way (E)	✓				
	B - ATS		ONE HOUR	✓	1	100.000
	C - Afan Way (W)		ONE HOUR	✓	721	100.000
2 - ALDI / Afan Way	A - Afan Way (W)	✓				
	B - ALDI		ONE HOUR	✓	0	100.000
	C - Afan Way (E)	✓				
3 - Green Park St / Afan Way	A - Afan Way (E)	✓				
	B - Green Park St		ONE HOUR	✓	114	100.000
	C - Afan Way (W)	✓				
4 - Water St / Afan Way	A - Afan Way (W)	✓				
	B - Water St		ONE HOUR	✓	121	100.000
	C - Water St (E)		ONE HOUR	✓	687	100.000

Origin-Destination Data

Demand (Veh/hr)

1 - ATS / Afan Way

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	593
	B - ATS	0	0	1
	C - Afan Way (W)	719	2	0

Demand (Veh/hr)

2 - ALDI / Afan Way

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	719
	B - ALDI	0	0	0
	C - Afan Way (E)	593	0	0

Demand (Veh/hr)

3 - Green Park St / Afan Way

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	74	484
	B - Green Park St	5	0	109
	C - Afan Way (W)	644	75	0

Demand (Veh/hr)

4 - Water St / Afan Way

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	34	615
	B - Water St	16	0	105
	C - Water St (E)	542	145	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80
2	0.20	0.80
3	0.20	0.80
4	0.20	0.80

Heavy Vehicle %

**1 - ATS /
Afan Way**

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

**2 - ALDI /
Afan Way**

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	1
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Cyclist %

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	0
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Heavy Vehicle %

**3 - Green
Park St /
Afan Way**

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

**4 - Water
St / Afan
Way**

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	3	1
	B - Water St	0	0	0
	C - Water St (E)	0	2	0

Cyclist %

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	0	0
	B - Water St	0	0	0
	C - Water St (E)	0	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max Delay (s)	Max Q (Veh)	Max LOS	Av. Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	0.00	0.0	A	542	813
	B - ATS	0.00	0.0	A	0	0
	C - Afan Way (W)	0.02	0.0	A	658	988
2 - ALDI / Afan Way	A - Afan Way (W)	0.00	0.0	A	657	985
	B - ALDI	0.00	0.0	A	0	0
	C - Afan Way (E)	0.00	0.0	A	542	813
3 - Green Park St / Afan Way	A - Afan Way (E)	0.00	0.0	A	511	767
	B - Green Park St	9.01	0.5	A	102	153
	C - Afan Way (W)	0.78	0.1	A	657	985
4 - Water St / Afan Way	A - Afan Way (W)	0.00	0.0	A	593	889
	B - Water St	9.98	0.4	A	109	163
	C - Water St (E)	1.96	0.4	A	629	944

Main Results for each time segment

15:45 - 16:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	448	112	448	453	544	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	0.98	0.0	0.0	0.000	A
	C - Afan Way (W)	545	136	545	550	448	0.0	0.0	0.011	A
2 - ALDI / Afan Way	A - Afan Way (W)	544	136	544	547	448	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	448	112	448	453	544	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	422	106	422	424	491	0.0	0.0	0.000	A
	B - Green Park St	82	21	82	84	109	0.0	0.2	7.338	A
	C - Afan Way (W)	544	136	545	546	448	0.0	0.1	0.670	A
4 - Water St / Afan Way	A - Afan Way (W)	491	123	491	493	422	0.0	0.0	0.000	A
	B - Water St	88	22	89	92	137	0.0	0.1	7.685	A
	C - Water St (E)	519	130	521	523	542	0.0	0.2	1.503	A

16:00 - 16:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	532	133	532	526	640	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	641	160	641	646	532	0.0	0.0	0.021	A
2 - ALDI / Afan Way	A - Afan Way (W)	640	160	640	643	532	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	532	133	532	526	640	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	499	125	499	493	575	0.0	0.0	0.000	A
	B - Green Park St	106	26	105	103	136	0.2	0.2	7.590	A
	C - Afan Way (W)	640	160	640	645	532	0.1	0.1	0.649	A
4 - Water St / Afan Way	A - Afan Way (W)	575	144	575	583	499	0.0	0.0	0.000	A
	B - Water St	105	26	106	111	163	0.1	0.2	8.073	A
	C - Water St (E)	611	153	615	614	634	0.2	0.2	1.712	A

16:15 - 16:30

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	650	162	650	656	791	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	793	198	793	797	650	0.0	0.0	0.016	A
2 - ALDI / Afan Way	A - Afan Way (W)	791	198	791	792	650	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	650	162	650	656	791	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	612	153	612	618	715	0.0	0.0	0.000	A
	B - Green Park St	123	31	122	124	160	0.2	0.5	8.749	A
	C - Afan Way (W)	791	198	791	792	650	0.1	0.1	0.759	A
4 - Water St / Afan Way	A - Afan Way (W)	715	179	715	716	612	0.0	0.0	0.000	A
	B - Water St	127	32	125	131	206	0.2	0.4	8.963	A
	C - Water St (E)	760	190	762	763	785	0.2	0.4	1.956	A

16:30 - 16:45

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	649	162	649	653	767	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	769	192	769	791	649	0.0	0.0	0.017	A
2 - ALDI / Afan Way	A - Afan Way (W)	767	192	767	790	649	0.0	0.0	0.002	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	649	162	649	653	767	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	612	153	612	615	696	0.0	0.0	0.000	A
	B - Green Park St	122	30	119	123	154	0.5	0.4	9.014	A
	C - Afan Way (W)	767	192	767	789	649	0.1	0.1	0.777	A
4 - Water St / Afan Way	A - Afan Way (W)	696	174	696	714	612	0.0	0.0	0.000	A
	B - Water St	130	33	131	133	205	0.4	0.4	9.983	A
	C - Water St (E)	755	189	756	762	765	0.4	0.4	1.947	A

16:45 - 17:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	537	134	537	539	655	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	657	164	657	657	537	0.0	0.0	0.015	A
2 - ALDI / Afan Way	A - Afan Way (W)	655	164	655	656	537	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	537	134	537	539	655	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	511	128	511	508	588	0.0	0.0	0.000	A
	B - Green Park St	96	24	95	102	137	0.4	0.3	7.684	A
	C - Afan Way (W)	655	164	656	654	537	0.1	0.1	0.715	A
4 - Water St / Afan Way	A - Afan Way (W)	588	147	588	589	511	0.0	0.0	0.000	A
	B - Water St	113	28	113	115	157	0.4	0.2	8.307	A
	C - Water St (E)	622	155	622	628	655	0.4	0.3	1.665	A

17:00 - 17:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	438	109	438	443	544	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	0.70	0.0	0.0	0.000	A
	C - Afan Way (W)	545	136	545	549	438	0.0	0.0	0.012	A
2 - ALDI / Afan Way	A - Afan Way (W)	544	136	544	549	438	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	438	109	438	443	544	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	410	102	410	414	493	0.0	0.0	0.000	A
	B - Green Park St	86	21	86	88	110	0.3	0.2	7.153	A
	C - Afan Way (W)	544	136	545	548	438	0.1	0.1	0.711	A
4 - Water St / Afan Way	A - Afan Way (W)	493	123	493	493	410	0.0	0.0	0.000	A
	B - Water St	90	22	90	88	135	0.2	0.3	7.629	A
	C - Water St (E)	508	127	508	515	545	0.3	0.2	1.580	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	448	448	453	0.0	0.0	0.000	A
		Exit	1	1		544	544	549	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0.98	0.98	1	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	544	544	549	0.0	0.0	0.000	A
				2	B	0.98	0.98	1	0.0	0.0	5.179	A
		Exit	1	1	(A, B)	545	545	550	0.0	0.0	0.000	A
				1		448	448	453	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	544	544	547	0.0	0.0	0.000	A
		Exit	1	1		448	448	453	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	448	448	453	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
		Exit	1	1	(A, B)	448	448	453	0.0	0.0	0.000	A
				1		544	544	547	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	422	422	424	0.0	0.0	0.000	A
		Exit	1	1		491	491	493	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	82	82	84	0.0	0.2	7.338	A
		Exit	1	1		109	109	109	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	489	489	490	0.0	0.0	0.000	A
				2	B	55	56	57	0.0	0.1	6.369	A
		Exit	1	1	(A, B)	544	544	547	0.0	0.0	0.001	A
				1		448	448	453	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	491	491	493	0.0	0.0	0.000	A
		Exit	1	1		422	422	424	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	77	77	80	0.0	0.1	6.730	A
				2	A	11	12	12	0.0	0.0	14.316	B
		Exit	1	1	(A, C)	88	88	92	0.0	0.0	0.004	A
				1		137	137	136	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	410	410	413	0.0	0.0	0.000	A
				2	B	109	111	111	0.0	0.2	7.176	A
		Exit	1	1	(A, B)	519	519	524	0.0	0.0	0.000	A
				1		542	542	548	0.0	0.0	0.000	A

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	532	532	526	0.0	0.0	0.000	A
		Exit	1	1		640	640	644	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	640	640	644	0.0	0.0	0.000	A
				2	B	1	2	2	0.0	0.0	7.000	A
			2	1	(A, B)	641	641	646	0.0	0.0	0.000	A
		Exit		1		532	532	526	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	640	640	643	0.0	0.0	0.000	A
		Exit	1	1		532	532	526	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	532	532	526	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	532	532	526	0.0	0.0	0.000	A
		Exit		1		640	640	643	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	499	499	493	0.0	0.0	0.000	A
		Exit	1	1		575	575	583	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	106	105	103	0.2	0.2	7.590	A
		Exit	1	1		136	136	132	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	571	571	578	0.0	0.0	0.000	A
				2	B	69	69	67	0.1	0.1	6.206	A
			2	1	(A, B)	640	640	645	0.0	0.0	0.000	A
		Exit		1		532	532	526	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	575	575	583	0.0	0.0	0.000	A
		Exit	1	1		499	499	493	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	92	92	97	0.1	0.1	6.949	A
				2	A	14	14	14	0.0	0.0	15.473	C
			2	1	(A, C)	105	105	112	0.0	0.0	0.021	A
		Exit		1		163	163	169	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	484	484	479	0.0	0.0	0.000	A
				2	B	127	130	135	0.2	0.2	7.853	A
			2	1	(A, B)	611	612	614	0.0	0.0	0.010	A
		Exit		1		634	634	646	0.0	0.0	0.000	A

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	650	650	656	0.0	0.0	0.000	A
		Exit	1	1		791	791	794	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	791	791	794	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	4.964	A
			2	1	(A, B)	793	793	797	0.0	0.0	0.000	A
		Exit	1	1		650	650	656	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	791	791	792	0.0	0.0	0.000	A
		Exit	1	1		650	650	656	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	650	650	656	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	650	650	656	0.0	0.0	0.000	A
		Exit	1	1		791	791	792	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	612	612	618	0.0	0.0	0.000	A
		Exit	1	1		715	715	716	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	123	122	124	0.2	0.5	8.749	A
		Exit	1	1		160	160	162	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	709	709	710	0.0	0.0	0.000	A
				2	B	82	81	81	0.1	0.1	7.287	A
			2	1	(A, B)	791	791	792	0.0	0.0	0.000	A
		Exit	1	1		650	650	656	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	715	715	716	0.0	0.0	0.000	A
		Exit	1	1		612	612	618	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	110	109	113	0.1	0.3	7.603	A
				2	A	16	16	18	0.0	0.1	17.341	C
			2	1	(A, C)	127	127	132	0.0	0.0	0.032	A
		Exit	1	1		206	206	202	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	596	596	600	0.0	0.0	0.000	A
				2	B	164	166	163	0.2	0.4	9.258	A
			2	1	(A, B)	760	760	764	0.0	0.0	0.000	A
		Exit	1	1		785	785	791	0.0	0.0	0.000	A

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	649	649	653	0.0	0.0	0.000	A
		Exit	1	1		767	767	789	0.0	0.0	0.001	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	767	767	789	0.0	0.0	0.001	A
				2	B	2	2	2	0.0	0.0	5.831	A
			2	1	(A, B)	769	769	791	0.0	0.0	0.001	A
		Exit	1	1		649	649	653	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	767	767	790	0.0	0.0	0.002	A
		Exit	1	1		649	649	653	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	649	649	653	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	649	649	653	0.0	0.0	0.000	A
		Exit	1	1		767	767	790	0.0	0.0	0.003	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	612	612	615	0.0	0.0	0.000	A
		Exit	1	1		696	696	712	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	122	119	123	0.5	0.4	9.014	A
		Exit	1	1		154	154	162	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	690	690	707	0.0	0.0	0.000	A
				2	B	77	76	82	0.1	0.1	7.387	A
			2	1	(A, B)	767	767	789	0.0	0.0	0.004	A
		Exit	1	1		649	649	653	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	696	696	714	0.0	0.0	0.000	A
		Exit	1	1		612	612	615	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	112	112	116	0.3	0.3	8.221	A
				2	A	18	19	17	0.1	0.1	20.594	C
			2	1	(A, C)	130	130	132	0.0	0.0	0.157	A
		Exit	1	1		205	205	205	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	593	593	598	0.0	0.0	0.000	A
				2	B	162	163	164	0.4	0.4	9.083	A
			2	1	(A, B)	755	755	762	0.0	0.0	0.018	A
		Exit	1	1		765	765	789	0.0	0.0	0.000	A

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	537	537	539	0.0	0.0	0.000	A
		Exit	1	1		655	655	655	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	655	655	655	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.286	A
			2	1	(A, B)	657	657	657	0.0	0.0	0.000	A
		Exit	1	1		537	537	539	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	655	655	656	0.0	0.0	0.000	A
		Exit	1	1		537	537	539	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	537	537	539	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	537	537	539	0.0	0.0	0.000	A
		Exit	1	1		655	655	656	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	511	511	508	0.0	0.0	0.000	A
		Exit	1	1		588	588	588	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	96	95	102	0.4	0.3	7.684	A
		Exit	1	1		137	137	138	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	584	584	583	0.0	0.0	0.000	A
				2	B	71	72	71	0.1	0.1	6.546	A
			2	1	(A, B)	655	655	654	0.0	0.0	0.001	A
		Exit	1	1		537	537	539	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	588	588	589	0.0	0.0	0.000	A
		Exit	1	1		511	511	508	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	97	97	100	0.3	0.2	7.134	A
				2	A	16	16	14	0.1	0.0	15.909	C
			2	1	(A, C)	113	113	114	0.0	0.0	0.102	A
		Exit	1	1		157	157	166	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	495	495	494	0.0	0.0	0.000	A
				2	B	128	127	135	0.4	0.3	7.890	A
			2	1	(A, B)	622	622	628	0.0	0.0	0.000	A
		Exit	1	1		655	655	658	0.0	0.0	0.000	A

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	438	438	443	0.0	0.0	0.000	A
		Exit	1	1		544	544	547	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0.70	0.70	1	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	544	544	547	0.0	0.0	0.000	A
				2	B	0.70	0.70	1	0.0	0.0	5.916	A
		Exit	1	1	(A, B)	545	545	549	0.0	0.0	0.000	A
				1		438	438	443	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	544	544	549	0.0	0.0	0.000	A
		Exit	1	1		438	438	443	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	438	438	443	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
		Exit	1	1	(A, B)	438	438	443	0.0	0.0	0.000	A
				1		544	544	549	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	410	410	414	0.0	0.0	0.000	A
		Exit	1	1		493	493	493	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	86	86	88	0.3	0.2	7.153	A
		Exit	1	1		110	110	113	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	488	488	489	0.0	0.0	0.000	A
				2	B	57	57	58	0.1	0.1	6.640	A
		Exit	1	1	(A, B)	544	544	547	0.0	0.0	0.001	A
				1		438	438	443	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	493	493	493	0.0	0.0	0.000	A
		Exit	1	1		410	410	414	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	79	78	77	0.2	0.2	6.591	A
				2	A	11	12	11	0.0	0.0	14.818	B
		Exit	1	1	(A, C)	90	90	88	0.0	0.0	0.001	A
				1		135	135	137	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	398	398	403	0.0	0.0	0.000	A
				2	B	110	110	112	0.3	0.2	7.449	A
		Exit	1	1	(A, B)	508	508	514	0.0	0.0	0.004	A
				1		545	545	544	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	448	112	-	-	-	448	453	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	544	136	-	-	-	544	549	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	0.98	0.24	191	158	0.006	0.98	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	544	136	-	-	-	544	549	0.0

			2	1	B	0.98	0.24	-	-	-	0.98	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	544	136	-	-	-	544	547	0.0
					A	0	0	0	0	0.000	0	0	0.0
	B - ALDI	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	448	112	-	-	-	448	453	0.0
	C - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
				2	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	448	112	-	-	-	448	453	0.0
			2	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
A					0	0	0	0.000	0	0	0.0		

3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0			
					B	53	13	-	-	-	53	52	0.0			
					C	369	92	-	-	-	369	372	0.0			
	B - Green Park St	Entry	1	1	A	3	0.73	344	220	0.013	3	3	0.0			
					B	0	0	0	0	0.000	0	0	0.0			
					C	79	20	716	609	0.130	79	81	0.0			
					C - Afan Way (W)	Entry	1	A	489	122	-	-	-	489	490	0.0
								B	0	0	0	0	0.000	0	0	0.0
								C	0	0	0	0	0.000	0	0	0.0
							2	A	0	0	0	0	0.000	0	0	0.0
								B	55	14	759	637	0.087	56	57	0.0
								C	0	0	0	0	0.000	0	0	0.0
	2	1	A	489	122	-	-	-	489	490	0.0					
			B	55	14	-	-	-	55	57	0.0					
			C	0	0	0	0	0.000	0	0	0.0					

4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	26	7	-	-	-	26	26	0.0
					C	465	116	-	-	-	465	468	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	77	19	771	632	0.121	77	80	0.0
				2	A	11	3	434	267	0.042	12	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	11	3	-	-	-	11	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	77	19	-	-	-	77	81	0.0
	C - Water St (E)	Entry	1	1	A	410	103	-	-	-	410	413	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	109	27	771	622	0.175	111	111	0.0
					C	0	0	0	0	0.000	0	0	0.0
2			1	A	410	103	-	-	-	410	413	0.0	
				B	109	27	-	-	-	109	111	0.0	
				C	0	0	0	0	0.000	0	0	0.0	

3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	53	13	-	-	-	53	52	0.0
					C	369	92	-	-	-	369	372	0.0
	B - Green Park St	Entry	1	1	A	3	0.73	344	220	0.013	3	3	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	716	609	0.130	79	81	0.0
	C - Afan Way (W)	Entry	1	1	A	489	122	-	-	-	489	490	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	55	14	759	637	0.087	56	57	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	489	122	-	-	-	489	490	0.0
					B	55	14	-	-	-	55	57	0.0
					C	0	0	0	0	0.000	0	0	0.0

4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	26	7	-	-	-	26	26	0.0
					C	465	116	-	-	-	465	468	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	77	19	771	632	0.121	77	80	0.0
				2	A	11	3	434	267	0.042	12	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	11	3	-	-	-	11	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	77	19	-	-	-	77	81	0.0
	C - Water St (E)	Entry	1	1	A	410	103	-	-	-	410	413	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	109	27	771	622	0.175	111	111	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	410	103	-	-	-	410	413	0.0
					B	109	27	-	-	-	109	111	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
					A	0	0	0	0	0.000	0	0	0.0

1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	532	133	-	-	-	532	526	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	640	160	-	-	-	640	644	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	1	0.35	300	246	0.006	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	640	160	-	-	-	640	644	0.0
					B	1	0.35	-	-	-	1	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	640	160	-	-	-	640	643	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	532	133	-	-	-	532	526	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	532	133	-	-	-	532	526	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	68	17	-	-	-	68	66	0.0
3 - Green Park St / Afan Way	B - Green Park St	Entry	1	1	A	4	1	376	224	0.018	4	5	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	102	25	716	592	0.172	101	99	0.2
	C - Afan Way (W)	Entry	1	1	A	571	143	-	-	-	571	578	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	69	17	759	617	0.111	69	67	0.1
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	571	143	-	-	-	571	578	0.0
					B	69	17	-	-	-	69	67	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	33	8	-	-	-	33	34	0.0
					C	542	136	-	-	-	542	549	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	92	23	771	607	0.151	92	97	0.1
			2	1	A	14	3	462	249	0.055	14	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	14	3	-	-	-	14	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	92	23	-	-	-	92	97	0.0
					A	484	121	-	-	-	484	479	0.0
					B	0	0	0	0	0.000	0	0	0.0

	C - Water St (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	127	32	771	595	0.214	130	135	0.2
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	484	121	-	-	-	484	479	0.0
					B	127	32	-	-	-	127	135	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	650	162	-	-	-	650	656	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	791	198	-	-	-	791	794	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.59	354	273	0.009	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	791	198	-	-	-	791	794	0.0
					B	2	0.59	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	791	198	-	-	-	791	792	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	650	162	-	-	-	650	656	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	650	162	-	-	-	650	656	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	79	20	-	-	-	79	81	0.0
					C	534	133	-	-	-	534	537	0.0
	B - Green Park St	Entry	1	1	A	6	1	435	220	0.026	5	5	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	117	29	716	562	0.209	116	119	0.2
	C - Afan Way (W)	Entry	1	1	A	709	177	-	-	-	709	710	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	82	20	759	581	0.140	81	81	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	709	177	-	-	-	709	710	0.0
					B	82	20	-	-	-	82	82	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	39	10	-	-	-	39	38	0.0

4 - Water St / Afan Way					C	676	169	-	-	-	676	678	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	110	28	771	567	0.195	109	113	0.1
			2	1	A	16	4	467	200	0.082	16	18	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	1	1	A	16	4	-	-	-	16	18	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	110	28	-	-	-	110	114	0.0
			2	1	A	596	149	-	-	-	596	600	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	164	41	771	559	0.294	166	163	0.2
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	596	149	-	-	-	596	600	0.0
					B	164	41	-	-	-	164	164	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	649	162	-	-	-	649	653	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	767	192	-	-	-	767	789	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.56	291	222	0.010	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	767	192	-	-	-	767	789	0.0
					B	2	0.56	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	767	192	-	-	-	767	790	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	649	162	-	-	-	649	653	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	649	162	-	-	-	649	653	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	77	19	-	-	-	77	80	0.0
					C	535	134	-	-	-	535	535	0.0
	B - Green Park St	Entry	1	1	A	6	2	415	200	0.030	6	5	0.5
					B	0	0	0	0	0.000	0	0	0.0

3 - Green Park St / Afan Way	C - Afan Way (W)	Entry	1	1	C	116	29	716	562	0.206	114	118	0.5
					A	690	172	-	-	-	690	707	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	77	19	759	582	0.132	76	82	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	690	172	-	-	-	690	707	0.0
					B	77	19	-	-	-	77	82	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	42	11	-	-	-	42	41	0.0
					C	653	163	-	-	-	653	673	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	112	28	771	564	0.199	112	116	0.3
				2	A	18	5	473	206	0.089	19	17	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	18	5	-	-	-	18	17	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	112	28	-	-	-	112	115	0.0
	C - Water St (E)	Entry	1	1	A	593	148	-	-	-	593	598	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	162	41	771	563	0.288	163	164	0.4
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	593	148	-	-	-	593	598	0.0
					B	162	41	-	-	-	162	164	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	537	134	-	-	-	537	539	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	655	164	-	-	-	655	655	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.38	318	252	0.006	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	655	164	-	-	-	655	656	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				1	A	537	134	-	-	-	537	539	0.0
					B	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	537	134	-	-	-	537	539	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	65	16	-	-	-	65	67	0.0
					C	446	111	-	-	-	446	441	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	4	0.98	389	222	0.018	4	5	0.4
					B	0	0	0	0	0.000	0	0	0.0
					C	92	23	716	588	0.156	91	97	0.4
	B - Green Park St	Entry	1	1	A	584	146	-	-	-	584	583	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	71	18	759	613	0.116	72	71	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	584	146	-	-	-	584	583	0.0
					B	71	18	-	-	-	71	71	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	30	7	-	-	-	30	31	0.0
					C	558	140	-	-	-	558	558	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	97	24	771	602	0.161	97	100	0.3
	B - Water St	Entry	1	1	A	16	4	462	245	0.065	16	14	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	16	4	-	-	-	16	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	97	24	-	-	-	97	100	0.0
	C - Water St (E)	Entry	1	1	A	495	124	-	-	-	495	494	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	128	32	771	595	0.214	127	135	0.4
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	495	124	-	-	-	495	494	0.0
					B	128	32	-	-	-	128	134	0.0
					C	0	0	0	0	0.000	0	0	0.0

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	438	109	-	-	-	438	443	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			1	1	A	544	136	-	-	-	544	547	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (W)	Entry		2	B	0.70	0.17	209	174	0.004	0.70	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	544	136	-	-	-	544	547	0.0
			2	1	B	0.70	0.17	-	-	-	0.70	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	544	136	-	-	-	544	549	0.0
					A	0	0	0	0	0.000	0	0	0.0
	B - ALDI	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	438	109	-	-	-	438	443	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	438	109	-	-	-	438	443	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	53	13	-	-	-	53	55	0.0
					C	357	89	-	-	-	357	359	0.0
	B - Green Park St	Entry	1	1	A	5	1	337	216	0.022	5	4	0.3
					B	0	0	0	0	0.000	0	0	0.0
					C	81	20	716	614	0.132	81	84	0.3
	C - Afan Way (W)	Entry	1	1	A	488	122	-	-	-	488	489	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	57	14	759	642	0.089	57	58	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	488	122	-	-	-	488	489	0.0
					B	57	14	-	-	-	57	58	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	25	6	-	-	-	25	26	0.0
					C	467	117	-	-	-	467	467	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	771	627	0.125	78	77	0.2
				2	A	11	3	456	275	0.041	12	11	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	11	3	-	-	-	11	11	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	-	-	-	79	77	0.0
	C - Water St (E)	Entry	1	1	A	398	99	-	-	-	398	403	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	110	27	771	614	0.179	110	112	0.3
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	398	99	-	-	-	398	403	0.0
					B	110	27	-	-	-	110	111	0.0
					C	0	0	0	0	0.000	0	0	0.0

2030 Base, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	4 - Water St / Afan Way - B - Water St - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	ATS / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.01	A
2	ALDI / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.00	A
3	Green Park St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.19	A
4	Water St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.87	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.80	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2030 Base	PM	ONE HOUR	15:45	17:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (Veh/hr)	Flow multiplier (%)	Internal storage space (PCU)
1 - ATS / Afan Way	A - Afan Way (E)	2	A	Simple (vertical queueing)	Normal	0	100.00	
2 - ALDI / Afan Way	A - Afan Way (W)	1	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (E)	3	C	Simple (vertical queueing)	Normal	0	100.00	
3 - Green Park St / Afan Way	A - Afan Way (E)	4	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (W)	2	C	Simple (vertical queueing)	Normal	0	100.00	
4 - Water St / Afan Way	A - Afan Way (W)	3	A	Simple (vertical queueing)	Normal	0	100.00	

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Av. Demand (Veh/hr)	Scaling Factor (%)
1 - ATS / Afan Way	A - Afan Way (E)	✓				
	B - ATS		ONE HOUR	✓	1	100.000
	C - Afan Way (W)		ONE HOUR	✓	765	100.000
2 - ALDI / Afan Way	A - Afan Way (W)	✓				
	B - ALDI		ONE HOUR	✓	0	100.000
	C - Afan Way (E)	✓				
3 - Green Park St / Afan Way	A - Afan Way (E)	✓				
	B - Green Park St		ONE HOUR	✓	120	100.000
	C - Afan Way (W)	✓				
4 - Water St / Afan Way	A - Afan Way (W)	✓				
	B - Water St		ONE HOUR	✓	128	100.000
	C - Water St (E)		ONE HOUR	✓	729	100.000

Origin-Destination Data

Demand (Veh/hr)

1 - ATS / Afan Way

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	629
	B - ATS	0	0	1
	C - Afan Way (W)	763	2	0

Demand (Veh/hr)

2 - ALDI / Afan Way

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	763
	B - ALDI	0	0	0
	C - Afan Way (E)	629	0	0

Demand (Veh/hr)

3 - Green Park St / Afan Way

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	79	513
	B - Green Park St	5	0	115
	C - Afan Way (W)	683	80	0

Demand (Veh/hr)

4 - Water St / Afan Way

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	37	652
	B - Water St	17	0	111
	C - Water St (E)	575	154	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80
2	0.20	0.80
3	0.20	0.80
4	0.20	0.80

Heavy Vehicle %

**1 - ATS /
Afan Way**

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

**2 - ALDI /
Afan Way**

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	1
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Cyclist %

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	0
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Heavy Vehicle %

**3 - Green
Park St /
Afan Way**

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

**4 - Water
St / Afan
Way**

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	3	1
	B - Water St	0	0	0
	C - Water St (E)	0	2	0

Cyclist %

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	0	0
	B - Water St	0	0	0
	C - Water St (E)	0	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max Delay (s)	Max Q (Veh)	Max LOS	Av. Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	0.00	0.0	A	578	868
	B - ATS	0.00	0.0	A	0	0
	C - Afan Way (W)	0.02	0.0	A	704	1055
2 - ALDI / Afan Way	A - Afan Way (W)	0.00	0.0	A	702	1052
	B - ALDI	0.00	0.0	A	0	0
	C - Afan Way (E)	0.00	0.0	A	578	868
3 - Green Park St / Afan Way	A - Afan Way (E)	0.00	0.0	A	540	810
	B - Green Park St	9.47	0.5	A	113	170
	C - Afan Way (W)	0.76	0.2	A	702	1052
4 - Water St / Afan Way	A - Afan Way (W)	0.00	0.0	A	634	951
	B - Water St	10.52	0.6	B	120	180
	C - Water St (E)	2.12	0.5	A	668	1002

Main Results for each time segment

15:45 - 16:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	470	118	470	472	582	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	1	0.0	0.0	0.000	A
	C - Afan Way (W)	583	146	583	591	470	0.0	0.0	0.017	A
2 - ALDI / Afan Way	A - Afan Way (W)	582	146	582	591	470	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	470	118	470	472	582	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	437	109	437	440	529	0.0	0.0	0.000	A
	B - Green Park St	98	25	98	95	119	0.0	0.2	7.049	A
	C - Afan Way (W)	582	146	583	590	470	0.0	0.0	0.645	A
4 - Water St / Afan Way	A - Afan Way (W)	529	132	529	536	437	0.0	0.0	0.000	A
	B - Water St	96	24	95	96	147	0.0	0.2	7.716	A
	C - Water St (E)	545	136	545	547	585	0.0	0.2	1.538	A

16:00 - 16:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	566	142	566	560	686	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	688	172	688	705	566	0.0	0.0	0.015	A
2 - ALDI / Afan Way	A - Afan Way (W)	686	172	686	704	566	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	566	142	566	560	686	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	529	132	529	527	618	0.0	0.0	0.000	A
	B - Green Park St	107	27	107	110	139	0.2	0.2	8.079	A
	C - Afan Way (W)	686	172	687	702	566	0.0	0.1	0.707	A
4 - Water St / Afan Way	A - Afan Way (W)	618	154	618	635	529	0.0	0.0	0.000	A
	B - Water St	115	29	114	112	179	0.2	0.3	8.512	A
	C - Water St (E)	661	165	660	654	683	0.2	0.4	1.681	A

16:15 - 16:30

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	690	173	690	684	843	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	3	0.0	0.0	0.000	A
	C - Afan Way (W)	846	211	846	846	690	0.0	0.0	0.019	A
2 - ALDI / Afan Way	A - Afan Way (W)	843	211	843	842	690	0.0	0.0	0.001	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	690	173	690	684	843	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	642	160	642	643	765	0.0	0.0	0.000	A
	B - Green Park St	139	35	137	132	168	0.2	0.5	9.003	A
	C - Afan Way (W)	843	211	844	842	690	0.1	0.1	0.763	A
4 - Water St / Afan Way	A - Afan Way (W)	765	191	765	762	642	0.0	0.0	0.000	A
	B - Water St	153	38	151	139	210	0.3	0.6	9.703	A
	C - Water St (E)	797	199	793	798	857	0.4	0.5	2.117	A

16:30 - 16:45

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	683	171	683	692	844	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	3	0.0	0.0	0.000	A
	C - Afan Way (W)	847	212	847	849	683	0.0	0.0	0.016	A
2 - ALDI / Afan Way	A - Afan Way (W)	844	211	844	847	683	0.0	0.0	0.001	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	683	171	683	692	844	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	649	162	649	656	761	0.0	0.0	0.000	A
	B - Green Park St	125	31	125	126	174	0.5	0.3	9.468	A
	C - Afan Way (W)	844	211	844	846	683	0.1	0.2	0.763	A
4 - Water St / Afan Way	A - Afan Way (W)	761	190	761	765	649	0.0	0.0	0.000	A
	B - Water St	140	35	138	141	204	0.6	0.5	10.517	B
	C - Water St (E)	798	200	797	810	843	0.5	0.4	1.996	A

16:45 - 17:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	573	143	573	562	680	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	682	171	682	691	573	0.0	0.0	0.021	A
2 - ALDI / Afan Way	A - Afan Way (W)	680	170	680	689	573	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	573	143	573	562	680	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	533	133	533	529	617	0.0	0.0	0.000	A
	B - Green Park St	115	29	115	110	137	0.3	0.2	7.918	A
	C - Afan Way (W)	680	170	680	689	573	0.2	0.1	0.706	A
4 - Water St / Afan Way	A - Afan Way (W)	617	154	617	623	533	0.0	0.0	0.000	A
	B - Water St	118	29	118	117	171	0.5	0.3	8.796	A
	C - Water St (E)	655	164	655	653	686	0.4	0.2	1.695	A

17:00 - 17:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	488	122	488	478	574	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	575	144	575	579	488	0.0	0.0	0.014	A
2 - ALDI / Afan Way	A - Afan Way (W)	574	143	574	577	488	0.0	0.0	0.000	A
	B - ALDI	0	0	0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	488	122	488	478	574	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	452	113	452	448	516	0.0	0.0	0.000	A
	B - Green Park St	97	24	97	93	119	0.2	0.2	6.998	A
	C - Afan Way (W)	574	143	574	577	488	0.1	0.1	0.678	A
4 - Water St / Afan Way	A - Afan Way (W)	516	129	516	519	452	0.0	0.0	0.000	A
	B - Water St	100	25	99	99	137	0.3	0.2	7.650	A
	C - Water St (E)	552	138	551	551	576	0.2	0.4	1.478	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	470	470	472	0.0	0.0	0.000	A
		Exit	1	1		582	582	590	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		1	1	1	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	582	582	590	0.0	0.0	0.000	A
				2	B	1	1	1	0.0	0.0	6.780	A
		Exit	1	1	(A, B)	583	583	591	0.0	0.0	0.000	A
				1		470	470	472	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	582	582	591	0.0	0.0	0.000	A
		Exit	1	1		470	470	472	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	470	470	472	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
		Exit	1	1	(A, B)	470	470	472	0.0	0.0	0.000	A
				1		582	582	591	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	437	437	440	0.0	0.0	0.000	A
		Exit	1	1		529	529	536	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	98	98	95	0.0	0.2	7.049	A
		Exit	1	1		119	119	117	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	526	526	532	0.0	0.0	0.000	A
				2	B	57	58	58	0.0	0.0	6.465	A
		Exit	1	1	(A, B)	582	582	590	0.0	0.0	0.000	A
				1		470	470	472	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	529	529	536	0.0	0.0	0.000	A
		Exit	1	1		437	437	440	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	84	84	85	0.0	0.2	6.921	A
				2	A	11	11	11	0.0	0.0	13.588	B
		Exit	1	1	(A, C)	96	96	97	0.0	0.0	0.010	A
				1		147	147	148	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	426	426	429	0.0	0.0	0.000	A
				2	B	119	119	118	0.0	0.2	7.182	A
		Exit	1	1	(A, B)	545	545	548	0.0	0.0	0.000	A
				1		585	585	592	0.0	0.0	0.000	A

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	566	566	560	0.0	0.0	0.000	A
		Exit	1	1		686	686	703	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	686	686	703	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.692	A
			2	1	(A, B)	688	688	705	0.0	0.0	0.000	A
		Exit	1	1		566	566	560	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	686	686	704	0.0	0.0	0.000	A
		Exit	1	1		566	566	560	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	566	566	560	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	566	566	560	0.0	0.0	0.000	A
		Exit	1	1		686	686	704	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	529	529	527	0.0	0.0	0.000	A
		Exit	1	1		618	618	634	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	107	107	110	0.2	0.2	8.079	A
		Exit	1	1		139	139	145	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	613	613	629	0.0	0.0	0.000	A
				2	B	73	74	73	0.0	0.1	6.731	A
			2	1	(A, B)	686	686	702	0.0	0.0	0.000	A
		Exit	1	1		566	566	560	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	618	618	635	0.0	0.0	0.000	A
		Exit	1	1		529	529	527	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	99	98	98	0.2	0.2	7.527	A
				2	A	15	16	14	0.0	0.1	14.760	B
			2	1	(A, C)	115	115	113	0.0	0.0	0.053	A
		Exit	1	1		179	179	176	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	513	513	512	0.0	0.0	0.000	A
				2	B	148	146	142	0.2	0.4	7.780	A
			2	1	(A, B)	661	661	654	0.0	0.0	0.011	A
		Exit	1	1		683	683	699	0.0	0.0	0.000	A

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	690	690	684	0.0	0.0	0.000	A
		Exit	1	1		843	843	843	0.0	0.0	0.001	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		3	3	3	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	843	843	843	0.0	0.0	0.000	A
				2	B	3	3	3	0.0	0.0	5.308	A
			2	1	(A, B)	846	846	846	0.0	0.0	0.003	A
		Exit	1	1		690	690	684	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	843	843	842	0.0	0.0	0.001	A
		Exit	1	1		690	690	684	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	690	690	684	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	690	690	684	0.0	0.0	0.000	A
		Exit	1	1		843	843	842	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	642	642	643	0.0	0.0	0.000	A
		Exit	1	1		765	765	760	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	139	137	132	0.2	0.5	9.003	A
		Exit	1	1		168	168	172	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	759	759	755	0.0	0.0	0.000	A
				2	B	84	85	86	0.1	0.1	7.350	A
			2	1	(A, B)	843	843	842	0.0	0.0	0.002	A
		Exit	1	1		690	690	684	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	765	765	762	0.0	0.0	0.000	A
		Exit	1	1		642	642	643	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	134	132	122	0.2	0.4	8.248	A
				2	A	19	19	17	0.1	0.1	18.851	C
			2	1	(A, C)	153	153	140	0.0	0.0	0.120	A
		Exit	1	1		210	210	212	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	623	623	625	0.0	0.0	0.000	A
				2	B	173	170	172	0.4	0.5	9.937	A
			2	1	(A, B)	797	797	798	0.0	0.0	0.001	A
		Exit	1	1		857	857	843	0.0	0.0	0.000	A

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	683	683	692	0.0	0.0	0.000	A
		Exit	1	1		844	844	847	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		3	3	3	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	844	844	847	0.0	0.0	0.000	A
				2	B	3	3	3	0.0	0.0	4.807	A
			2	1	(A, B)	847	847	849	0.0	0.0	0.000	A
		Exit	1	1		683	683	692	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	844	844	847	0.0	0.0	0.001	A
		Exit	1	1		683	683	692	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	683	683	692	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	683	683	692	0.0	0.0	0.000	A
		Exit	1	1		844	844	847	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	649	649	656	0.0	0.0	0.000	A
		Exit	1	1		761	761	763	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	125	125	126	0.5	0.3	9.468	A
		Exit	1	1		174	174	173	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	756	756	758	0.0	0.0	0.000	A
				2	B	88	88	88	0.1	0.2	7.256	A
			2	1	(A, B)	844	844	846	0.0	0.0	0.002	A
		Exit	1	1		683	683	692	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	761	761	765	0.0	0.0	0.000	A
		Exit	1	1		649	649	656	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	125	122	124	0.4	0.4	8.777	A
				2	A	15	16	17	0.1	0.1	21.864	C
			2	1	(A, C)	140	139	141	0.0	0.1	0.142	A
		Exit	1	1		204	204	212	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	633	633	639	0.0	0.0	0.000	A
				2	B	165	164	171	0.5	0.4	9.580	A
			2	1	(A, B)	798	798	810	0.0	0.0	0.008	A
		Exit	1	1		843	843	848	0.0	0.0	0.000	A

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	573	573	562	0.0	0.0	0.000	A
		Exit	1	1		680	680	689	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	680	680	689	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	6.177	A
			2	1	(A, B)	682	682	691	0.0	0.0	0.000	A
		Exit	1	1		573	573	562	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	680	680	689	0.0	0.0	0.000	A
		Exit	1	1		573	573	562	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	573	573	562	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
			2	1	(A, B)	573	573	562	0.0	0.0	0.000	A
		Exit	1	1		680	680	689	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	533	533	529	0.0	0.0	0.000	A
		Exit	1	1		617	617	623	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	115	115	110	0.3	0.2	7.918	A
		Exit	1	1		137	137	143	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	611	611	619	0.0	0.0	0.000	A
				2	B	69	69	70	0.2	0.1	6.918	A
			2	1	(A, B)	680	680	688	0.0	0.0	0.001	A
		Exit	1	1		573	573	562	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	617	617	623	0.0	0.0	0.000	A
		Exit	1	1		533	533	529	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	103	104	101	0.4	0.2	7.709	A
				2	A	14	14	15	0.1	0.1	15.952	C
			2	1	(A, C)	118	118	116	0.1	0.0	0.040	A
		Exit	1	1		171	171	174	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	519	519	514	0.0	0.0	0.000	A
				2	B	136	136	139	0.4	0.2	8.101	A
			2	1	(A, B)	655	655	652	0.0	0.0	0.000	A
		Exit	1	1		686	686	690	0.0	0.0	0.000	A

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	488	488	478	0.0	0.0	0.000	A
		Exit	1	1		574	574	577	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	574	574	577	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.252	A
		Exit	1	1	(A, B)	575	575	579	0.0	0.0	0.000	A
				1		488	488	478	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	574	574	577	0.0	0.0	0.000	A
		Exit	1	1		488	488	478	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0	0	0	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	488	488	478	0.0	0.0	0.000	A
				2	B	0	0	0	0.0	0.0	0.000	A
		Exit	1	1	(A, B)	488	488	478	0.0	0.0	0.000	A
				1		574	574	577	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	452	452	448	0.0	0.0	0.000	A
		Exit	1	1		516	516	519	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	97	97	93	0.2	0.2	6.998	A
		Exit	1	1		119	119	121	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	513	513	516	0.0	0.0	0.000	A
				2	B	61	61	61	0.1	0.1	6.340	A
		Exit	1	1	(A, B)	574	574	577	0.0	0.0	0.000	A
				1		488	488	478	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	516	516	519	0.0	0.0	0.000	A
		Exit	1	1		452	452	448	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	87	87	86	0.2	0.2	6.679	A
				2	A	12	12	12	0.1	0.1	14.228	B
		Exit	1	1	(A, C)	100	100	99	0.0	0.0	0.017	A
				1		137	137	144	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	440	440	436	0.0	0.0	0.000	A
				2	B	112	111	115	0.2	0.4	7.202	A
		Exit	1	1	(A, B)	552	552	552	0.0	0.0	0.000	A
				1		576	576	577	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	470	118	-	-	-	470	472	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	582	146	-	-	-	582	590	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	1	0.27	240	198	0.005	1	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	582	146	-	-	-	582	590	0.0

			2	1	B	1	0.27	-	-	-	1	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	582	146	-	-	-	582	591	0.0
					A	0	0	0	0	0.000	0	0	0.0
	B - ALDI	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	470	118	-	-	-	470	472	0.0
	C - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
				2	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	470	118	-	-	-	470	472	0.0
			2	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
A					0	0	0	0	0.000	0	0	0.0	

3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0				
					B	61	15	-	-	-	61	59	0.0				
					C	376	94	-	-	-	376	381	0.0				
	B - Green Park St	Entry	1	1	A	3	0.80	326	204	0.016	3	4	0.0				
					B	0	0	0	0	0.000	0	0	0.0				
					C	95	24	716	607	0.157	95	91	0.0				
					C - Afan Way (W)	Entry	1	1	A	526	131	-	-	-	526	532	0.0
									B	0	0	0	0	0.000	0	0	0.0
									C	0	0	0	0	0.000	0	0	0.0
							2	1	A	0	0	0	0	0.000	0	0	0.0
									B	57	14	759	635	0.089	58	58	0.0
									C	0	0	0	0	0.000	0	0	0.0
	2	1	A	526	131	-	-	-	526	532	0.0						
			B	57	14	-	-	-	57	58	0.0						
			C	0	0	0	0	0.000	0	0	0.0						

4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0	
					B	28	7	-	-	-	28	29	0.0	
					C	501	125	-	-	-	501	507	0.0	
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0	
					B	0	0	0	0	0.000	0	0	0.0	
					C	84	21	771	620	0.136	84	85	0.0	
				2	1	A	11	3	463	272	0.041	11	11	0.0
						B	0	0	0	0	0.000	0	0	0.0
						C	0	0	0	0	0.000	0	0	0.0
			2	1	A	11	3	-	-	-	11	11	0.0	
					B	0	0	0	0	0.000	0	0	0.0	
					C	84	21	-	-	-	84	86	0.0	
	C - Water St (E)	Entry	1	1	A	426	106	-	-	-	426	429	0.0	
					B	0	0	0	0	0.000	0	0	0.0	
					C	0	0	0	0	0.000	0	0	0.0	
				2	1	A	0	0	0	0	0.000	0	0	0.0
						B	119	30	771	612	0.195	119	118	0.0
						C	0	0	0	0	0.000	0	0	0.0
2			1	A	426	106	-	-	-	426	429	0.0		
				B	119	30	-	-	-	119	119	0.0		
				C	0	0	0	0	0.000	0	0	0.0		

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
					A	0	0	0	0	0.000	0	0	0.0

1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	566	142	-	-	-	566	560	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	686	172	-	-	-	686	703	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.50	286	228	0.009	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	686	172	-	-	-	686	703	0.0
					B	2	0.50	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	686	172	-	-	-	686	704	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	566	142	-	-	-	566	560	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	566	142	-	-	-	566	560	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	65	16	-	-	-	65	72	0.0
					C	464	116	-	-	-	464	454	0.0
	B - Green Park St	Entry	1	1	A	5	1	398	224	0.022	5	5	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	102	25	716	583	0.175	103	105	0.2
	C - Afan Way (W)	Entry	1	1	A	613	153	-	-	-	613	629	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	73	18	759	608	0.120	74	73	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	613	153	-	-	-	613	629	0.0
					B	73	18	-	-	-	73	73	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	33	8	-	-	-	33	34	0.0
					C	585	146	-	-	-	585	601	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	99	25	771	598	0.166	98	98	0.2
			2	1	A	15	4	463	233	0.065	16	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	15	4	-	-	-	15	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	99	25	-	-	-	99	98	0.0
				1	A	513	128	-	-	-	513	512	0.0
				1	B	0	0	0	0	0.000	0	0	0.0

	C - Water St (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	148	37	771	589	0.251	146	142	0.2
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	513	128	-	-	-	513	512	0.0
					B	148	37	-	-	-	148	142	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	690	173	-	-	-	690	684	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	843	211	-	-	-	843	843	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	3	0.71	371	280	0.010	3	3	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	843	211	-	-	-	843	843	0.0
					B	3	0.71	-	-	-	3	3	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	843	211	-	-	-	843	842	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	690	173	-	-	-	690	684	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	690	173	-	-	-	690	684	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	83	21	-	-	-	83	85	0.0
					C	559	140	-	-	-	559	557	0.0
	B - Green Park St	Entry	1	1	A	6	1	409	192	0.030	6	5	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	133	33	716	555	0.239	132	127	0.2
	C - Afan Way (W)	Entry	1	1	A	759	190	-	-	-	759	755	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	84	21	759	576	0.146	85	86	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	759	190	-	-	-	759	755	0.0
					B	84	21	-	-	-	84	86	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	40	10	-	-	-	40	40	0.0

4 - Water St / Afan Way					C	725	181	-	-	-	725	721	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	134	34	771	547	0.245	132	122	0.2
			2	1	A	19	5	468	186	0.100	19	17	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	1	1	A	19	5	-	-	-	19	18	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	134	34	-	-	-	134	122	0.0
			2	1	A	623	156	-	-	-	623	625	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			1	2	A	0	0	0	0	0.000	0	0	0.0
					B	173	43	771	543	0.320	170	172	0.4
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	623	156	-	-	-	623	625	0.0
					B	173	43	-	-	-	173	173	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	683	171	-	-	-	683	692	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	844	211	-	-	-	844	847	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	3	0.74	402	300	0.010	3	3	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	844	211	-	-	-	844	847	0.0
					B	3	0.74	-	-	-	3	3	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	844	211	-	-	-	844	847	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	683	171	-	-	-	683	692	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	683	171	-	-	-	683	692	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	86	22	-	-	-	86	85	0.0
					C	563	141	-	-	-	563	571	0.0
	B - Green Park St	Entry	1	1	A	5	1	403	183	0.027	5	5	0.5
					B	0	0	0	0	0.000	0	0	0.0

3 - Green Park St / Afan Way	C - Afan Way (W)	Entry	1	1	C	120	30	716	554	0.217	120	121	0.5
					A	756	189	-	-	-	756	758	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	88	22	759	573	0.153	88	88	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	756	189	-	-	-	756	758	0.0
					B	88	22	-	-	-	88	88	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	40	10	-	-	-	40	41	0.0
					C	721	180	-	-	-	721	724	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	125	31	771	553	0.225	122	124	0.4
				2	A	15	4	468	190	0.077	16	17	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	15	4	-	-	-	15	17	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	125	31	-	-	-	125	124	0.0
	C - Water St (E)	Entry	1	1	A	633	158	-	-	-	633	639	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	165	41	771	549	0.300	164	171	0.5
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	633	158	-	-	-	633	639	0.0
					B	165	41	-	-	-	165	171	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	573	143	-	-	-	573	562	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	680	170	-	-	-	680	689	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.53	379	297	0.007	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	680	170	-	-	-	680	689	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	573	143	-	-	-	573	562	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	69	17	-	-	-	69	73	0.0
					C	464	116	-	-	-	464	456	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	69	17	-	-	-	69	73	0.0
					C	464	116	-	-	-	464	456	0.0
	B - Green Park St	Entry	1	1	A	6	1	381	212	0.027	6	4	0.3
					B	0	0	0	0	0.000	0	0	0.0
					C	109	27	716	583	0.187	109	106	0.3
	C - Afan Way (W)	Entry	1	1	A	611	153	-	-	-	611	619	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	69	17	759	609	0.113	69	70	0.2
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	611	153	-	-	-	611	619	0.0
					B	69	17	-	-	-	69	70	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	35	9	-	-	-	35	35	0.0
					C	582	146	-	-	-	582	589	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	103	26	771	593	0.175	104	101	0.4
				2	A	14	4	463	237	0.060	14	15	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	14	4	-	-	-	14	15	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	104	26	-	-	-	103	101	0.1
	C - Water St (E)	Entry	1	1	A	519	130	-	-	-	519	514	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	136	34	771	582	0.234	136	139	0.4
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	519	130	-	-	-	519	514	0.0
					B	136	34	-	-	-	136	138	0.0
					C	0	0	0	0	0.000	0	0	0.0

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	488	122	-	-	-	488	478	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			1	1	A	574	143	-	-	-	574	577	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (W)	Entry		2	B	2	0.42	294	242	0.007	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	574	143	-	-	-	574	577	0.0
					B	2	0.42	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	574	143	-	-	-	574	577	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (E)	Entry	1	1	A	488	122	-	-	-	488	478	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	488	122	-	-	-	488	478	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	58	14	-	-	-	58	60	0.0
					C	394	98	-	-	-	394	389	0.0
	B - Green Park St	Entry	1	1	A	3	0.74	337	211	0.014	3	4	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	94	24	716	603	0.156	94	90	0.2
	C - Afan Way (W)	Entry	1	1	A	513	128	-	-	-	513	516	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	61	15	759	630	0.097	61	61	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	513	128	-	-	-	513	516	0.0
					B	61	15	-	-	-	61	61	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	27	7	-	-	-	27	28	0.0
					C	489	122	-	-	-	489	491	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	87	22	771	620	0.141	87	86	0.2
				2	A	12	3	454	267	0.046	12	12	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	12	3	-	-	-	12	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	87	22	-	-	-	87	86	0.0
	C - Water St (E)	Entry	1	1	A	440	110	-	-	-	440	436	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	112	28	771	609	0.184	111	115	0.2
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	440	110	-	-	-	440	436	0.0
					B	112	28	-	-	-	112	116	0.0
					C	0	0	0	0	0.000	0	0	0.0

2025 Base + Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	4 - Water St / Afan Way - B - Water St - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	ATS / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.01	A
2	ALDI / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.93	A
3	Green Park St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.09	A
4	Water St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.65	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.96	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2025 Base + Dev	PM	ONE HOUR	15:45	17:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (Veh/hr)	Flow multiplier (%)	Internal storage space (PCU)
1 - ATS / Afan Way	A - Afan Way (E)	2	A	Simple (vertical queueing)	Normal	0	100.00	
2 - ALDI / Afan Way	A - Afan Way (W)	1	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (E)	3	C	Simple (vertical queueing)	Normal	0	100.00	
3 - Green Park St / Afan Way	A - Afan Way (E)	4	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (W)	2	C	Simple (vertical queueing)	Normal	0	100.00	
4 - Water St / Afan Way	A - Afan Way (W)	3	A	Simple (vertical queueing)	Normal	0	100.00	

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Av. Demand (Veh/hr)	Scaling Factor (%)
1 - ATS / Afan Way	A - Afan Way (E)	✓				
	B - ATS		ONE HOUR	✓	1	100.000
	C - Afan Way (W)		ONE HOUR	✓	746	100.000
2 - ALDI / Afan Way	A - Afan Way (W)	✓				
	B - ALDI		ONE HOUR	✓	99	100.000
	C - Afan Way (E)	✓				
3 - Green Park St / Afan Way	A - Afan Way (E)	✓				
	B - Green Park St		ONE HOUR	✓	114	100.000
	C - Afan Way (W)	✓				
4 - Water St / Afan Way	A - Afan Way (W)	✓				
	B - Water St		ONE HOUR	✓	121	100.000
	C - Water St (E)		ONE HOUR	✓	722	100.000

Origin-Destination Data

Demand (Veh/hr)

1 - ATS / Afan Way

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	593
	B - ATS	0	0	1
	C - Afan Way (W)	744	2	0

Demand (Veh/hr)

2 - ALDI / Afan Way

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	39	705
	B - ALDI	0	0	99
	C - Afan Way (E)	581	47	0

Demand (Veh/hr)

3 - Green Park St / Afan Way

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	74	519
	B - Green Park St	5	0	109
	C - Afan Way (W)	726	75	0

Demand (Veh/hr)

4 - Water St / Afan Way

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	76	655
	B - Water St	16	0	105
	C - Water St (E)	577	145	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80
2	0.20	0.80
3	0.20	0.80
4	0.20	0.80

Heavy Vehicle %

1 - ATS / Afan Way

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

2 - ALDI / Afan Way

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	1
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Cyclist %

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	0
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Heavy Vehicle %

3 - Green Park St / Afan Way

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

4 - Water St / Afan Way

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	3	1
	B - Water St	0	0	0
	C - Water St (E)	0	2	0

Cyclist %

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	0	0
	B - Water St	0	0	0
	C - Water St (E)	0	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max Delay (s)	Max Q (Veh)	Max LOS	Av. Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	0.00	0.0	A	531	797
	B - ATS	0.00	0.0	A	0	0
	C - Afan Way (W)	0.02	0.0	A	687	1031
2 - ALDI / Afan Way	A - Afan Way (W)	0.00	0.0	A	685	1028
	B - ALDI	9.51	0.4	A	92	138
	C - Afan Way (E)	0.67	0.1	A	575	862
3 - Green Park St / Afan Way	A - Afan Way (E)	0.01	0.0	A	543	815
	B - Green Park St	9.36	0.3	A	105	157
	C - Afan Way (W)	0.71	0.1	A	741	1111
4 - Water St / Afan Way	A - Afan Way (W)	0.00	0.0	A	675	1013
	B - Water St	10.14	0.5	B	110	165
	C - Water St (E)	1.94	0.5	A	665	998

Main Results for each time segment

15:45 - 16:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	438	110	438	445	572	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	573	143	574	579	438	0.0	0.0	0.016	A
2 - ALDI / Afan Way	A - Afan Way (W)	572	143	572	577	438	0.0	0.0	0.001	A
	B - ALDI	80	20	81	78	67	0.0	0.1	7.224	A
	C - Afan Way (E)	476	119	476	482	623	0.0	0.1	0.607	A
3 - Green Park St / Afan Way	A - Afan Way (E)	446	111	446	452	570	0.0	0.0	0.000	A
	B - Green Park St	92	23	92	92	114	0.0	0.2	7.749	A
	C - Afan Way (W)	623	156	624	625	476	0.0	0.1	0.623	A
4 - Water St / Afan Way	A - Afan Way (W)	571	143	571	573	446	0.0	0.0	0.000	A
	B - Water St	91	23	90	90	173	0.0	0.3	7.839	A
	C - Water St (E)	544	136	544	551	586	0.0	0.2	1.452	A

16:00 - 16:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	516	129	516	517	667	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	669	167	669	669	516	0.0	0.0	0.014	A
2 - ALDI / Afan Way	A - Afan Way (W)	667	167	667	666	516	0.0	0.0	0.000	A
	B - ALDI	86	21	86	89	75	0.1	0.2	8.012	A
	C - Afan Way (E)	556	139	555	557	717	0.1	0.1	0.585	A
3 - Green Park St / Afan Way	A - Afan Way (E)	524	131	524	527	657	0.0	0.0	0.001	A
	B - Green Park St	98	25	99	99	129	0.2	0.2	8.038	A
	C - Afan Way (W)	717	179	718	721	556	0.1	0.1	0.671	A
4 - Water St / Afan Way	A - Afan Way (W)	657	164	657	658	524	0.0	0.0	0.000	A
	B - Water St	110	27	109	109	207	0.3	0.3	7.999	A
	C - Water St (E)	644	161	645	646	680	0.2	0.3	1.827	A

16:15 - 16:30

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	616	154	616	630	833	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	3	0.0	0.0	0.000	A
	C - Afan Way (W)	835	209	835	840	616	0.0	0.0	0.019	A
2 - ALDI / Afan Way	A - Afan Way (W)	833	208	833	837	616	0.0	0.0	0.000	A
	B - ALDI	119	30	117	111	99	0.2	0.4	9.513	A
	C - Afan Way (E)	667	167	667	681	901	0.1	0.1	0.638	A
3 - Green Park St / Afan Way	A - Afan Way (E)	634	159	634	646	826	0.0	0.0	0.011	A
	B - Green Park St	122	30	120	122	163	0.2	0.3	8.957	A
	C - Afan Way (W)	901	225	901	904	667	0.1	0.1	0.640	A
4 - Water St / Afan Way	A - Afan Way (W)	826	206	826	827	634	0.0	0.0	0.000	A
	B - Water St	130	32	128	130	251	0.3	0.5	9.695	A
	C - Water St (E)	779	195	780	793	848	0.3	0.5	1.943	A

16:30 - 16:45

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	647	162	647	640	809	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	810	203	810	828	647	0.0	0.0	0.014	A
2 - ALDI / Afan Way	A - Afan Way (W)	809	202	809	825	647	0.0	0.0	0.001	A
	B - ALDI	108	27	109	109	94	0.4	0.2	8.932	A
	C - Afan Way (E)	701	175	701	695	877	0.1	0.1	0.669	A
3 - Green Park St / Afan Way	A - Afan Way (E)	662	166	662	655	794	0.0	0.0	0.007	A
	B - Green Park St	130	32	132	126	176	0.3	0.3	9.363	A
	C - Afan Way (W)	877	219	877	891	701	0.1	0.1	0.707	A
4 - Water St / Afan Way	A - Afan Way (W)	794	199	794	816	662	0.0	0.0	0.000	A
	B - Water St	137	34	137	136	249	0.5	0.4	10.144	B
	C - Water St (E)	810	202	812	805	832	0.5	0.4	1.934	A

16:45 - 17:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	526	131	526	524	662	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	664	166	664	676	526	0.0	0.0	0.017	A
2 - ALDI / Afan Way	A - Afan Way (W)	662	166	662	675	526	0.0	0.0	0.002	A
	B - ALDI	85	21	86	90	77	0.2	0.1	7.862	A
	C - Afan Way (E)	566	142	567	567	713	0.1	0.0	0.622	A
3 - Green Park St / Afan Way	A - Afan Way (E)	534	134	534	532	649	0.0	0.0	0.006	A
	B - Green Park St	101	25	101	105	134	0.3	0.2	8.199	A
	C - Afan Way (W)	713	178	714	728	566	0.1	0.1	0.642	A
4 - Water St / Afan Way	A - Afan Way (W)	649	162	649	668	534	0.0	0.0	0.000	A
	B - Water St	103	26	104	109	205	0.4	0.2	8.781	A
	C - Water St (E)	659	165	659	658	674	0.4	0.3	1.727	A

17:00 - 17:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	446	112	446	438	570	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	1	0.0	0.0	0.000	A
	C - Afan Way (W)	571	143	571	566	446	0.0	0.0	0.018	A
2 - ALDI / Afan Way	A - Afan Way (W)	570	142	570	564	446	0.0	0.0	0.000	A
	B - ALDI	76	19	76	74	70	0.1	0.2	7.410	A
	C - Afan Way (E)	483	121	483	474	613	0.0	0.0	0.549	A
3 - Green Park St / Afan Way	A - Afan Way (E)	458	115	458	447	556	0.0	0.0	0.000	A
	B - Green Park St	86	22	87	84	119	0.2	0.1	7.086	A
	C - Afan Way (W)	613	153	613	609	483	0.1	0.1	0.624	A
4 - Water St / Afan Way	A - Afan Way (W)	556	139	556	557	458	0.0	0.0	0.000	A
	B - Water St	89	22	89	88	166	0.2	0.2	8.070	A
	C - Water St (E)	554	139	554	550	575	0.3	0.2	1.532	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	438	438	445	0.0	0.0	0.000	A
		Exit	1	1		572	572	577	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	572	572	577	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.234	A
		Exit	1	1	(A, B)	573	573	579	0.0	0.0	0.000	A
				1		438	438	445	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	572	572	577	0.0	0.0	0.001	A
		Exit	1	1		438	438	445	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	80	81	78	0.0	0.1	7.224	A
		Exit	1	1		67	67	67	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	438	438	445	0.0	0.0	0.000	A
				2	B	38	38	37	0.0	0.1	7.791	A
		Exit	1	1	(A, B)	476	476	482	0.0	0.0	0.004	A
				1		623	623	625	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	446	446	452	0.0	0.0	0.000	A
		Exit	1	1		570	570	572	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	92	92	92	0.0	0.2	7.749	A
		Exit	1	1		114	114	115	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	567	567	567	0.0	0.0	0.000	A
				2	B	57	57	57	0.0	0.1	6.670	A
		Exit	1	1	(A, B)	623	623	625	0.0	0.0	0.001	A
				1		476	476	482	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	571	571	573	0.0	0.0	0.000	A
		Exit	1	1		446	446	452	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	79	78	78	0.0	0.2	6.681	A
				2	A	12	12	12	0.0	0.1	15.261	C
		Exit	1	1	(A, C)	91	91	91	0.0	0.0	0.001	A
				1		173	173	174	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	433	433	440	0.0	0.0	0.000	A
				2	B	110	111	111	0.0	0.2	7.277	A
		Exit	1	1	(A, B)	544	544	552	0.0	0.0	0.000	A
				1		586	586	587	0.0	0.0	0.000	A

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	516	516	517	0.0	0.0	0.000	A
		Exit	1	1		667	667	667	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	667	667	667	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.018	A
			2	1	(A, B)	669	669	669	0.0	0.0	0.000	A
		Exit	1	1		516	516	517	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	667	667	666	0.0	0.0	0.000	A
		Exit	1	1		516	516	517	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	86	86	89	0.1	0.2	8.012	A
		Exit	1	1		75	75	74	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	516	516	517	0.0	0.0	0.000	A
				2	B	40	39	40	0.1	0.1	7.918	A
			2	1	(A, B)	556	556	557	0.0	0.0	0.013	A
		Exit	1	1		717	717	721	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	524	524	527	0.0	0.0	0.001	A
		Exit	1	1		657	657	658	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	98	99	99	0.2	0.2	8.038	A
		Exit	1	1		129	129	132	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	651	651	653	0.0	0.0	0.000	A
				2	B	66	67	68	0.1	0.1	7.100	A
			2	1	(A, B)	717	717	721	0.0	0.0	0.000	A
		Exit	1	1		556	556	557	0.0	0.0	0.003	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	657	657	658	0.0	0.0	0.000	A
		Exit	1	1		524	524	527	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	95	94	94	0.2	0.2	6.921	A
				2	A	15	15	14	0.1	0.0	14.869	B
			2	1	(A, C)	110	110	109	0.0	0.0	0.030	A
		Exit	1	1		207	207	203	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	509	509	512	0.0	0.0	0.000	A
				2	B	135	136	134	0.2	0.3	8.906	A
			2	1	(A, B)	644	644	646	0.0	0.0	0.003	A
		Exit	1	1		680	680	683	0.0	0.0	0.000	A

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	616	616	630	0.0	0.0	0.000	A
		Exit	1	1		833	833	837	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		3	3	3	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	833	833	837	0.0	0.0	0.000	A
				2	B	3	3	3	0.0	0.0	6.028	A
			2	1	(A, B)	835	835	840	0.0	0.0	0.000	A
		Exit	1	1		616	616	630	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	833	833	837	0.0	0.0	0.000	A
		Exit	1	1		616	616	630	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	119	117	111	0.2	0.4	9.513	A
		Exit	1	1		99	99	96	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	616	616	630	0.0	0.0	0.000	A
				2	B	51	51	51	0.1	0.1	8.195	A
			2	1	(A, B)	667	667	682	0.0	0.0	0.022	A
		Exit	1	1		901	901	903	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	634	634	646	0.0	0.0	0.011	A
		Exit	1	1		826	826	826	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	122	120	122	0.2	0.3	8.957	A
		Exit	1	1		163	163	164	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	820	820	821	0.0	0.0	0.000	A
				2	B	81	81	83	0.1	0.1	6.925	A
			2	1	(A, B)	901	901	904	0.0	0.0	0.000	A
		Exit	1	1		667	667	682	0.0	0.0	0.006	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	826	826	827	0.0	0.0	0.000	A
		Exit	1	1		634	634	646	0.0	0.0	0.003	A
	B - Water St	Entry	1	1	C	113	111	113	0.2	0.4	8.145	A
				2	A	17	17	17	0.0	0.1	19.547	C
			2	1	(A, C)	130	130	130	0.0	0.0	0.034	A
		Exit	1	1		251	251	250	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	617	617	629	0.0	0.0	0.000	A
				2	B	162	163	164	0.3	0.5	9.511	A
			2	1	(A, B)	779	779	794	0.0	0.0	0.011	A
		Exit	1	1		848	848	853	0.0	0.0	0.000	A

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	647	647	640	0.0	0.0	0.000	A
		Exit	1	1		809	809	826	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	809	809	826	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.542	A
			2	1	(A, B)	810	810	828	0.0	0.0	0.000	A
		Exit	1	1		647	647	640	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	809	809	825	0.0	0.0	0.001	A
		Exit	1	1		647	647	640	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	108	109	109	0.4	0.2	8.932	A
		Exit	1	1		94	94	98	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	647	647	640	0.0	0.0	0.000	A
				2	B	53	53	55	0.1	0.1	8.261	A
			2	1	(A, B)	701	700	695	0.0	0.0	0.014	A
		Exit	1	1		877	877	891	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	662	662	655	0.0	0.0	0.007	A
		Exit	1	1		794	794	812	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	130	132	126	0.3	0.3	9.363	A
		Exit	1	1		176	176	165	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	788	788	806	0.0	0.0	0.000	A
				2	B	89	89	85	0.1	0.1	7.346	A
			2	1	(A, B)	877	877	891	0.0	0.0	0.002	A
		Exit	1	1		701	701	695	0.0	0.0	0.004	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	794	794	816	0.0	0.0	0.000	A
		Exit	1	1		662	662	655	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	118	118	118	0.4	0.3	8.405	A
				2	A	19	19	18	0.1	0.1	20.955	C
			2	1	(A, C)	137	137	136	0.0	0.0	0.075	A
		Exit	1	1		249	249	254	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	644	644	637	0.0	0.0	0.000	A
				2	B	166	168	168	0.5	0.4	9.438	A
			2	1	(A, B)	810	810	805	0.0	0.0	0.002	A
		Exit	1	1		832	832	848	0.0	0.0	0.000	A

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	526	526	524	0.0	0.0	0.000	A
		Exit	1	1		662	662	674	0.0	0.0	0.002	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	662	662	674	0.0	0.0	0.001	A
				2	B	2	2	2	0.0	0.0	4.873	A
			2	1	(A, B)	664	664	676	0.0	0.0	0.000	A
		Exit	1	1		526	526	524	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	662	662	675	0.0	0.0	0.002	A
		Exit	1	1		526	526	524	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	85	86	90	0.2	0.1	7.862	A
		Exit	1	1		77	77	79	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	526	526	524	0.0	0.0	0.000	A
				2	B	41	42	43	0.1	0.0	8.026	A
			2	1	(A, B)	566	566	567	0.0	0.0	0.016	A
		Exit	1	1		713	713	729	0.0	0.0	0.003	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	534	534	532	0.0	0.0	0.006	A
		Exit	1	1		649	649	666	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	101	101	105	0.3	0.2	8.199	A
		Exit	1	1		134	134	133	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	644	644	660	0.0	0.0	0.000	A
				2	B	69	70	67	0.1	0.1	6.799	A
			2	1	(A, B)	713	713	728	0.0	0.0	0.004	A
		Exit	1	1		566	566	567	0.0	0.0	0.004	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	649	649	668	0.0	0.0	0.000	A
		Exit	1	1		534	534	532	0.0	0.0	0.001	A
	B - Water St	Entry	1	1	C	91	92	95	0.3	0.2	7.411	A
				2	A	12	12	14	0.1	0.0	17.766	C
			2	1	(A, C)	103	103	108	0.0	0.0	0.052	A
		Exit	1	1		205	205	212	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	522	522	518	0.0	0.0	0.000	A
				2	B	137	137	140	0.4	0.3	8.281	A
			2	1	(A, B)	659	659	658	0.0	0.0	0.000	A
		Exit	1	1		674	674	690	0.0	0.0	0.000	A

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	446	446	438	0.0	0.0	0.000	A
		Exit	1	1		570	570	564	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		1	1	1	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	570	570	564	0.0	0.0	0.000	A
				2	B	1	1	1	0.0	0.0	7.187	A
				1	(A, B)	571	571	566	0.0	0.0	0.001	A
		Exit	1	1		446	446	438	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	570	570	564	0.0	0.0	0.000	A
		Exit	1	1		446	446	438	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	76	76	74	0.1	0.2	7.410	A
		Exit	1	1		70	70	64	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	446	446	438	0.0	0.0	0.000	A
				2	B	37	37	35	0.0	0.0	7.398	A
				1	(A, B)	483	483	474	0.0	0.0	0.003	A
		Exit	1	1		613	613	609	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	458	458	447	0.0	0.0	0.000	A
		Exit	1	1		556	556	555	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	86	87	84	0.2	0.1	7.086	A
		Exit	1	1		119	119	112	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	552	552	552	0.0	0.0	0.000	A
				2	B	61	61	57	0.1	0.1	6.575	A
				1	(A, B)	613	613	609	0.0	0.0	0.000	A
		Exit	1	1		483	483	474	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	556	556	557	0.0	0.0	0.000	A
		Exit	1	1		458	458	447	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	75	75	76	0.2	0.1	6.897	A
				2	A	15	15	12	0.0	0.0	15.236	C
				1	(A, C)	89	89	88	0.0	0.0	0.012	A
		Exit	1	1		166	166	175	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	444	444	435	0.0	0.0	0.000	A
				2	B	111	110	115	0.3	0.2	7.467	A
				1	(A, B)	554	554	550	0.0	0.0	0.001	A
		Exit	1	1		575	575	573	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	438	110	-	-	-	438	445	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	572	143	-	-	-	572	577	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.39	286	239	0.006	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	572	143	-	-	-	572	577	0.0

			2	1	B	2	0.39	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	29	7	-	-	-	29	31	0.0
					C	543	136	-	-	-	543	546	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	80	20	713	564	0.142	81	78	0.0
	C - Afan Way (E)	Entry	1	1	A	438	110	-	-	-	438	445	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	38	9	676	530	0.072	38	37	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	438	110	-	-	-	438	445	0.0
					B	38	10	-	-	-	38	37	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	57	14	-	-	-	57	58	0.0
					C	389	97	-	-	-	389	395	0.0
	B - Green Park St	Entry	1	1	A	4	0.95	365	224	0.017	4	4	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	88	22	716	604	0.146	88	87	0.0
	C - Afan Way (W)	Entry	1	1	A	567	142	-	-	-	567	567	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	57	14	759	630	0.090	57	57	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	567	142	-	-	-	567	567	0.0
					B	57	14	-	-	-	57	58	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	62	16	-	-	-	62	63	0.0
					C	509	127	-	-	-	509	509	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	771	611	0.129	78	78	0.0
				2	A	12	3	417	244	0.048	12	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	1	1	A	12	3	-	-	-	12	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	-	-	-	79	79	0.0
				2	A	433	108	-	-	-	433	440	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	110	28	771	596	0.185	111	111	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	433	108	-	-	-	433	440	0.0
					B	110	28	-	-	-	110	112	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
					A	0	0	0	0	0.000	0	0	0.0

1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	516	129	-	-	-	516	517	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	667	167	-	-	-	667	667	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.45	271	218	0.008	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	667	167	-	-	-	667	667	0.0
					B	2	0.45	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	35	9	-	-	-	35	34	0.0
					C	631	158	-	-	-	631	632	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	86	21	713	539	0.159	86	89	0.1
	C - Afan Way (E)	Entry	1	1	A	516	129	-	-	-	516	517	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	40	10	676	506	0.079	39	40	0.1
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	516	129	-	-	-	516	517	0.0
					B	40	10	-	-	-	40	40	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	62	16	-	-	-	62	65	0.0
					C	462	116	-	-	-	462	462	0.0
	B - Green Park St	Entry	1	1	A	5	1	398	224	0.024	5	4	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	93	23	716	583	0.160	93	95	0.2
	C - Afan Way (W)	Entry	1	1	A	651	163	-	-	-	651	653	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	66	16	759	607	0.109	67	68	0.1
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	651	163	-	-	-	651	653	0.0
					B	66	16	-	-	-	66	68	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	71	18	-	-	-	71	70	0.0
					C	586	146	-	-	-	586	589	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	95	24	771	595	0.159	94	94	0.2
			2	1	A	15	4	459	237	0.063	15	14	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	15	4	-	-	-	15	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	95	24	-	-	-	95	94	0.0
				1	A	509	127	-	-	-	509	512	0.0
				1	B	0	0	0	0	0.000	0	0	0.0

	C - Water St (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	135	34	771	575	0.235	136	134	0.2
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	509	127	-	-	-	509	512	0.0
					B	135	34	-	-	-	135	134	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	616	154	-	-	-	616	630	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	833	208	-	-	-	833	837	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	3	0.68	348	268	0.010	3	3	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	833	208	-	-	-	833	837	0.0
					B	3	0.68	-	-	-	3	3	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	48	12	-	-	-	48	45	0.0
					C	784	196	-	-	-	784	792	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	119	30	713	500	0.238	117	111	0.2
	C - Afan Way (E)	Entry	1	1	A	616	154	-	-	-	616	630	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	51	13	676	467	0.109	51	51	0.1
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	82	20	-	-	-	82	81	0.0
					C	553	138	-	-	-	553	565	0.0
	B - Green Park St	Entry	1	1	A	5	1	409	188	0.029	6	5	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	116	29	716	557	0.209	114	116	0.2
	C - Afan Way (W)	Entry	1	1	A	820	205	-	-	-	820	821	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	81	20	759	578	0.140	81	83	0.1
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (W)	Entry	1	1	A	820	205	-	-	-	820	821	0.0
					B	81	20	-	-	-	81	83	0.0
					C	0	0	0	0	0.000	0	0	0.0

4 - Water St / Afan Way					C	737	184	-	-	-	737	740	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	113	28	771	540	0.209	111	113	0.2
			2	1	A	17	4	468	187	0.093	17	17	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	1	1	A	17	4	-	-	-	17	17	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	113	28	-	-	-	113	113	0.0
			2	1	A	617	154	-	-	-	617	629	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	162	41	771	525	0.309	163	164	0.3
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	617	154	-	-	-	617	629	0.0
					B	162	41	-	-	-	162	164	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	647	162	-	-	-	647	640	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	809	202	-	-	-	809	826	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.45	302	231	0.008	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	809	202	-	-	-	809	826	0.0
					B	2	0.45	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	40	10	-	-	-	40	43	0.0
					C	768	192	-	-	-	768	782	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	108	27	713	503	0.214	109	109	0.4
	C - Afan Way (E)	Entry	1	1	A	647	162	-	-	-	647	640	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	53	13	676	469	0.113	53	55	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	648	162	-	-	-	647	640	0.0
					B	53	13	-	-	-	53	55	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	86	22	-	-	-	86	80	0.0
					C	576	144	-	-	-	576	575	0.0
	B - Green Park St	Entry	1	1	A	7	2	409	185	0.036	7	6	0.0
					B	0	0	0	0	0.000	0	0	0.0

3 - Green Park St / Afan Way	C - Afan Way (W)	Entry	1	1	C	123	31	716	549	0.224	125	120	0.3
					A	788	197	-	-	-	788	806	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	89	22	759	568	0.157	89	85	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	788	197	-	-	-	788	806	0.0
					B	89	22	-	-	-	89	85	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	81	20	-	-	-	81	85	0.0
					C	713	178	-	-	-	713	730	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	118	30	771	544	0.217	118	118	0.4
				2	A	19	5	459	182	0.105	19	18	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	19	5	-	-	-	19	18	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	118	29	-	-	-	118	118	0.0
	C - Water St (E)	Entry	1	1	A	644	161	-	-	-	644	637	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	166	41	771	535	0.310	168	168	0.5
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	644	161	-	-	-	644	637	0.0
					B	166	41	-	-	-	166	168	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	526	131	-	-	-	526	524	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	662	165	-	-	-	662	674	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.50	317	256	0.008	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	35	9	-	-	-	35	36	0.0
					C	627	157	-	-	-	627	638	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	85	21	713	541	0.157	86	90	0.2

	C - Afan Way (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	41	10	676	511	0.080	42	43	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	526	131	-	-	-	526	524	0.0
					B	41	10	-	-	-	41	43	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	64	16	-	-	-	64	66	0.0
					C	470	118	-	-	-	470	466	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	5	1	398	217	0.022	5	5	0.3
					B	0	0	0	0	0.000	0	0	0.0
					C	97	24	716	583	0.166	96	100	0.3
	B - Green Park St	Entry	1	1	A	644	161	-	-	-	644	660	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	69	17	759	606	0.114	70	67	0.1
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	644	161	-	-	-	644	660	0.0
					C	69	17	-	-	-	69	68	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	67	17	-	-	-	67	73	0.0
					C	582	145	-	-	-	582	595	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	91	23	771	593	0.154	92	95	0.3
				2	A	12	3	463	232	0.053	12	14	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	12	3	-	-	-	12	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	91	23	-	-	-	91	94	0.0
	C - Water St (E)	Entry	1	1	A	522	131	-	-	-	522	518	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	137	34	771	570	0.241	137	140	0.4
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	522	131	-	-	-	522	518	0.0
					B	137	34	-	-	-	137	139	0.0
					C	0	0	0	0	0.000	0	0	0.0

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	446	112	-	-	-	446	438	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			1	1	A	570	142	-	-	-	570	564	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (W)	Entry		2	B	1	0.36	224	187	0.008	1	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	570	142	-	-	-	570	564	0.0
			2	1	B	1	0.36	-	-	-	1	1	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B	33	8	-	-	-	33	29	0.0
					C	537	134	-	-	-	537	535	0.0
					A	0	0	0	0	0.000	0	0	0.0
	B - ALDI	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	76	19	713	565	0.135	76	74	0.1
					A	446	112	-	-	-	446	438	0.0
	C - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
				2	B	37	9	676	531	0.069	37	35	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	446	112	-	-	-	446	438	0.0
			2	1	B	37	9	-	-	-	37	35	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B	58	14	-	-	-	58	55	0.0
					C	401	100	-	-	-	401	393	0.0
					A	4	1	287	176	0.025	5	3	0.2
	B - Green Park St	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	82	20	716	602	0.136	82	81	0.2
					A	552	138	-	-	-	552	552	0.0
	C - Afan Way (W)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
				2	B	61	15	759	630	0.098	61	57	0.1
					C	0	0	0	0	0.000	0	0	0.0
					A	552	138	-	-	-	552	552	0.0
			2	1	B	61	15	-	-	-	61	57	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B	56	14	-	-	-	56	61	0.0
					C	500	125	-	-	-	500	497	0.0
					A	0	0	0	0	0.000	0	0	0.0
	B - Water St	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	75	19	771	618	0.121	75	76	0.2
					A	15	4	463	270	0.054	15	12	0.0
				2	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	15	4	-	-	-	15	12	0.0
			2	1	B	0	0	0	0	0.000	0	0	0.0
					C	75	19	-	-	-	75	76	0.0
					A	444	111	-	-	-	444	435	0.0
	C - Water St (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
				2	B	111	28	771	605	0.183	110	115	0.3
					C	0	0	0	0	0.000	0	0	0.0
					A	444	111	-	-	-	444	435	0.0
			2	1	B	111	28	-	-	-	111	114	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0

2030 Base + Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	4 - Water St / Afan Way - B - Water St - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	ATS / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.01	A
2	ALDI / Afan Way	T-Junction	Two-way	Two-way	Two-way		0.90	A
3	Green Park St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.11	A
4	Water St / Afan Way	T-Junction	Two-way	Two-way	Two-way		1.78	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.99	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2030 Base + Dev	PM	ONE HOUR	15:45	17:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (Veh/hr)	Flow multiplier (%)	Internal storage space (PCU)
1 - ATS / Afan Way	A - Afan Way (E)	2	A	Simple (vertical queueing)	Normal	0	100.00	
2 - ALDI / Afan Way	A - Afan Way (W)	1	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (E)	3	C	Simple (vertical queueing)	Normal	0	100.00	
3 - Green Park St / Afan Way	A - Afan Way (E)	4	A	Simple (vertical queueing)	Normal	0	100.00	
	C - Afan Way (W)	2	C	Simple (vertical queueing)	Normal	0	100.00	
4 - Water St / Afan Way	A - Afan Way (W)	3	A	Simple (vertical queueing)	Normal	0	100.00	

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Av. Demand (Veh/hr)	Scaling Factor (%)
1 - ATS / Afan Way	A - Afan Way (E)	✓				
	B - ATS		ONE HOUR	✓	1	100.000
	C - Afan Way (W)		ONE HOUR	✓	789	100.000
2 - ALDI / Afan Way	A - Afan Way (W)	✓				
	B - ALDI		ONE HOUR	✓	99	100.000
	C - Afan Way (E)	✓				
3 - Green Park St / Afan Way	A - Afan Way (E)	✓				
	B - Green Park St		ONE HOUR	✓	120	100.000
	C - Afan Way (W)	✓				
4 - Water St / Afan Way	A - Afan Way (W)	✓				
	B - Water St		ONE HOUR	✓	128	100.000
	C - Water St (E)		ONE HOUR	✓	764	100.000

Origin-Destination Data

Demand (Veh/hr)

1 - ATS / Afan Way

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	629
	B - ATS	0	0	1
	C - Afan Way (W)	787	2	0

Demand (Veh/hr)

2 - ALDI / Afan Way

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	39	749
	B - ALDI	0	0	99
	C - Afan Way (E)	617	47	0

Demand (Veh/hr)

3 - Green Park St / Afan Way

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	79	548
	B - Green Park St	5	0	115
	C - Afan Way (W)	766	80	0

Demand (Veh/hr)

4 - Water St / Afan Way

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	78	693
	B - Water St	17	0	111
	C - Water St (E)	610	154	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80
2	0.20	0.80
3	0.20	0.80
4	0.20	0.80

Heavy Vehicle %

**1 - ATS /
Afan Way**

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - ATS	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - ATS	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

**2 - ALDI /
Afan Way**

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	1
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Cyclist %

	To			
From		A - Afan Way (W)	B - ALDI	C - Afan Way (E)
	A - Afan Way (W)	0	0	0
	B - ALDI	0	0	0
	C - Afan Way (E)	0	0	0

Heavy Vehicle %

**3 - Green
Park St /
Afan Way**

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	1	0	0

Cyclist %

	To			
From		A - Afan Way (E)	B - Green Park St	C - Afan Way (W)
	A - Afan Way (E)	0	0	0
	B - Green Park St	0	0	0
	C - Afan Way (W)	0	0	0

Heavy Vehicle %

**4 - Water
St / Afan
Way**

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	3	1
	B - Water St	0	0	0
	C - Water St (E)	0	2	0

Cyclist %

	To			
From		A - Afan Way (W)	B - Water St	C - Water St (E)
	A - Afan Way (W)	0	0	0
	B - Water St	0	0	0
	C - Water St (E)	0	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max Delay (s)	Max Q (Veh)	Max LOS	Av. Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	0.00	0.0	A	558	837
	B - ATS	0.00	0.0	A	0	0
	C - Afan Way (W)	0.02	0.0	A	727	1090
2 - ALDI / Afan Way	A - Afan Way (W)	0.00	0.0	A	725	1087
	B - ALDI	9.92	0.3	A	88	132
	C - Afan Way (E)	0.66	0.1	A	601	902
3 - Green Park St / Afan Way	A - Afan Way (E)	0.01	0.0	A	572	857
	B - Green Park St	9.95	0.4	A	108	162
	C - Afan Way (W)	0.70	0.2	A	777	1165
4 - Water St / Afan Way	A - Afan Way (W)	0.00	0.0	A	707	1061
	B - Water St	10.84	0.5	B	118	178
	C - Water St (E)	2.07	0.5	A	701	1051

Main Results for each time segment

15:45 - 16:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	456	114	456	461	598	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	0.36	0.0	0.0	0.000	A
	C - Afan Way (W)	599	150	599	601	456	0.0	0.0	0.011	A
2 - ALDI / Afan Way	A - Afan Way (W)	598	150	598	601	456	0.0	0.0	0.000	A
	B - ALDI	73	18	73	77	66	0.0	0.2	7.617	A
	C - Afan Way (E)	494	124	494	497	643	0.0	0.0	0.540	A
3 - Green Park St / Afan Way	A - Afan Way (E)	474	119	474	475	585	0.0	0.0	0.000	A
	B - Green Park St	89	22	86	88	123	0.0	0.3	7.339	A
	C - Afan Way (W)	643	161	642	648	494	0.0	0.2	0.642	A
4 - Water St / Afan Way	A - Afan Way (W)	585	146	585	592	474	0.0	0.0	0.000	A
	B - Water St	91	23	90	97	182	0.0	0.3	7.900	A
	C - Water St (E)	584	146	584	581	603	0.0	0.2	1.565	A

16:00 - 16:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	540	135	540	546	712	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	714	179	714	719	540	0.0	0.0	0.016	A
2 - ALDI / Afan Way	A - Afan Way (W)	712	178	712	717	540	0.0	0.0	0.003	A
	B - ALDI	83	21	82	85	79	0.2	0.2	8.008	A
	C - Afan Way (E)	583	146	583	586	757	0.0	0.1	0.533	A
3 - Green Park St / Afan Way	A - Afan Way (E)	550	138	550	554	687	0.0	0.0	0.000	A
	B - Green Park St	102	26	104	105	143	0.3	0.1	7.805	A
	C - Afan Way (W)	757	189	758	768	583	0.2	0.1	0.668	A
4 - Water St / Afan Way	A - Afan Way (W)	687	172	687	699	550	0.0	0.0	0.000	A
	B - Water St	118	29	118	113	210	0.3	0.3	8.931	A
	C - Water St (E)	677	169	676	680	721	0.2	0.4	1.719	A

16:15 - 16:30

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	683	171	683	676	870	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	1	0.0	0.0	0.000	A
	C - Afan Way (W)	872	218	872	879	683	0.0	0.0	0.011	A
2 - ALDI / Afan Way	A - Afan Way (W)	870	218	870	877	683	0.0	0.0	0.000	A
	B - ALDI	103	26	106	109	94	0.2	0.2	9.443	A
	C - Afan Way (E)	734	183	733	726	932	0.1	0.1	0.649	A
3 - Green Park St / Afan Way	A - Afan Way (E)	689	172	689	688	851	0.0	0.0	0.007	A
	B - Green Park St	136	34	136	132	172	0.1	0.4	9.901	A
	C - Afan Way (W)	932	233	932	941	734	0.1	0.1	0.696	A
4 - Water St / Afan Way	A - Afan Way (W)	851	213	851	862	689	0.0	0.0	0.000	A
	B - Water St	147	37	147	142	265	0.3	0.4	10.843	B
	C - Water St (E)	844	211	845	842	890	0.4	0.4	2.054	A

16:30 - 16:45

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	664	166	664	672	861	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	3	0.0	0.0	0.000	A
	C - Afan Way (W)	864	216	864	869	664	0.0	0.0	0.016	A
2 - ALDI / Afan Way	A - Afan Way (W)	861	215	861	864	664	0.0	0.0	0.000	A
	B - ALDI	111	28	110	110	92	0.2	0.3	9.919	A
	C - Afan Way (E)	713	178	713	726	928	0.1	0.1	0.663	A
3 - Green Park St / Afan Way	A - Afan Way (E)	680	170	680	685	841	0.0	0.0	0.005	A
	B - Green Park St	125	31	125	133	179	0.4	0.3	9.949	A
	C - Afan Way (W)	928	232	928	933	713	0.1	0.2	0.693	A
4 - Water St / Afan Way	A - Afan Way (W)	841	210	841	852	680	0.0	0.0	0.000	A
	B - Water St	147	37	145	144	258	0.4	0.5	10.552	B
	C - Water St (E)	835	209	835	841	883	0.4	0.5	2.068	A

16:45 - 17:00

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	542	135	542	557	715	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	717	179	717	721	542	0.0	0.0	0.017	A
2 - ALDI / Afan Way	A - Afan Way (W)	715	179	715	719	542	0.0	0.0	0.000	A
	B - ALDI	85	21	83	89	78	0.3	0.3	8.069	A
	C - Afan Way (E)	583	146	583	599	761	0.1	0.0	0.539	A
3 - Green Park St / Afan Way	A - Afan Way (E)	558	140	558	566	697	0.0	0.0	0.004	A
	B - Green Park St	104	26	105	110	144	0.3	0.2	8.278	A
	C - Afan Way (W)	761	190	762	772	583	0.2	0.1	0.627	A
4 - Water St / Afan Way	A - Afan Way (W)	697	174	697	707	558	0.0	0.0	0.000	A
	B - Water St	112	28	114	118	208	0.5	0.3	9.155	A
	C - Water St (E)	686	171	685	692	730	0.5	0.3	1.747	A

17:00 - 17:15

Junction	Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Throughput (exit) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	464	116	464	465	594	0.0	0.0	0.000	A
	B - ATS	0	0	0	0	2	0.0	0.0	0.000	A
	C - Afan Way (W)	595	149	595	598	464	0.0	0.0	0.020	A
2 - ALDI / Afan Way	A - Afan Way (W)	594	148	594	595	464	0.0	0.0	0.000	A
	B - ALDI	75	19	74	74	65	0.3	0.1	7.750	A
	C - Afan Way (E)	501	125	500	499	640	0.0	0.1	0.518	A
3 - Green Park St / Afan Way	A - Afan Way (E)	477	119	477	472	582	0.0	0.0	0.000	A
	B - Green Park St	92	23	92	93	126	0.2	0.2	7.615	A
	C - Afan Way (W)	640	160	640	639	501	0.1	0.1	0.594	A
4 - Water St / Afan Way	A - Afan Way (W)	582	146	582	585	477	0.0	0.0	0.000	A
	B - Water St	95	24	95	95	172	0.3	0.2	7.857	A
	C - Water St (E)	578	145	579	576	607	0.3	0.2	1.526	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	456	456	461	0.0	0.0	0.000	A
		Exit	1	1		598	598	600	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		0.36	0.36	0.99	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	598	598	600	0.0	0.0	0.000	A
				2	B	0.36	0.36	0.99	0.0	0.0	6.597	A
		Exit	1	1	(A, B)	599	599	601	0.0	0.0	0.000	A
				1		456	456	461	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	598	598	601	0.0	0.0	0.000	A
		Exit	1	1		456	456	461	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	73	73	77	0.0	0.2	7.617	A
		Exit	1	1		66	66	66	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	456	456	461	0.0	0.0	0.000	A
				2	B	38	38	36	0.0	0.0	7.289	A
		Exit	1	1	(A, B)	494	494	498	0.0	0.0	0.005	A
				1		643	643	648	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	474	474	475	0.0	0.0	0.000	A
		Exit	1	1		585	585	590	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	89	86	88	0.0	0.3	7.339	A
		Exit	1	1		123	123	123	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	581	581	586	0.0	0.0	0.000	A
				2	B	62	61	61	0.0	0.2	6.646	A
		Exit	1	1	(A, B)	643	643	648	0.0	0.0	0.001	A
				1		494	494	498	0.0	0.0	0.001	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	585	585	592	0.0	0.0	0.000	A
		Exit	1	1		474	474	475	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	79	78	84	0.0	0.2	6.868	A
				2	A	13	13	13	0.0	0.1	14.232	B
		Exit	1	1	(A, C)	91	91	98	0.0	0.0	0.021	A
				1		182	182	182	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	462	462	462	0.0	0.0	0.000	A
				2	B	122	122	119	0.0	0.2	7.726	A
		Exit	1	1	(A, B)	584	584	582	0.0	0.0	0.000	A
				1		603	603	613	0.0	0.0	0.000	A

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	540	540	546	0.0	0.0	0.000	A
		Exit	1	1		712	712	717	0.0	0.0	0.001	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	712	712	717	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	5.924	A
			2	1	(A, B)	714	714	719	0.0	0.0	0.000	A
		Exit	1	1		540	540	546	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	712	712	717	0.0	0.0	0.003	A
		Exit	1	1		540	540	546	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	83	82	85	0.2	0.2	8.008	A
		Exit	1	1		79	79	75	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	540	540	546	0.0	0.0	0.000	A
				2	B	42	42	41	0.0	0.1	7.601	A
			2	1	(A, B)	583	583	587	0.0	0.0	0.002	A
		Exit	1	1		757	757	767	0.0	0.0	0.003	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	550	550	554	0.0	0.0	0.000	A
		Exit	1	1		687	687	698	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	102	104	105	0.3	0.1	7.805	A
		Exit	1	1		143	143	143	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	683	683	693	0.0	0.0	0.000	A
				2	B	74	75	74	0.2	0.1	6.835	A
			2	1	(A, B)	757	757	767	0.0	0.0	0.005	A
		Exit	1	1		583	583	587	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	687	687	699	0.0	0.0	0.000	A
		Exit	1	1		550	550	554	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	101	102	98	0.2	0.2	7.445	A
				2	A	17	16	15	0.1	0.1	18.144	C
			2	1	(A, C)	118	118	114	0.0	0.0	0.039	A
		Exit	1	1		210	210	214	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	534	534	539	0.0	0.0	0.000	A
				2	B	143	142	141	0.2	0.4	8.386	A
			2	1	(A, B)	677	677	681	0.0	0.0	0.000	A
		Exit	1	1		721	721	724	0.0	0.0	0.000	A

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	683	683	676	0.0	0.0	0.000	A
		Exit	1	1		870	870	877	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		1	1	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	870	870	877	0.0	0.0	0.000	A
				2	B	1	1	2	0.0	0.0	4.445	A
			2	1	(A, B)	872	872	879	0.0	0.0	0.000	A
		Exit	1	1		683	683	676	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	870	870	877	0.0	0.0	0.000	A
		Exit	1	1		683	683	676	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	103	106	109	0.2	0.2	9.443	A
		Exit	1	1		94	94	95	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	683	683	676	0.0	0.0	0.000	A
				2	B	51	50	50	0.1	0.1	8.983	A
			2	1	(A, B)	734	734	726	0.0	0.0	0.030	A
		Exit	1	1		932	932	941	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	689	689	688	0.0	0.0	0.007	A
		Exit	1	1		851	851	860	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	136	136	132	0.1	0.4	9.901	A
		Exit	1	1		172	172	175	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	844	844	854	0.0	0.0	0.000	A
				2	B	88	88	88	0.1	0.1	7.398	A
			2	1	(A, B)	932	932	941	0.0	0.0	0.000	A
		Exit	1	1		734	734	726	0.0	0.0	0.007	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	851	851	862	0.0	0.0	0.000	A
		Exit	1	1		689	689	688	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	131	130	123	0.2	0.3	8.705	A
				2	A	16	17	19	0.1	0.1	24.407	C
			2	1	(A, C)	147	147	142	0.0	0.0	0.098	A
		Exit	1	1		265	265	263	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	672	672	670	0.0	0.0	0.000	A
				2	B	172	173	173	0.4	0.4	10.115	B
			2	1	(A, B)	844	844	842	0.0	0.0	0.010	A
		Exit	1	1		890	890	896	0.0	0.0	0.000	A

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	664	664	672	0.0	0.0	0.000	A
		Exit	1	1		861	861	867	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		3	3	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	861	861	867	0.0	0.0	0.000	A
				2	B	3	3	2	0.0	0.0	6.258	A
			2	1	(A, B)	864	864	869	0.0	0.0	0.000	A
		Exit	1	1		664	664	672	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	861	861	864	0.0	0.0	0.000	A
		Exit	1	1		664	664	672	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	111	110	110	0.2	0.3	9.919	A
		Exit	1	1		92	92	94	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	664	664	672	0.0	0.0	0.000	A
				2	B	49	49	53	0.1	0.1	8.823	A
			2	1	(A, B)	713	713	725	0.0	0.0	0.014	A
		Exit	1	1		928	928	933	0.0	0.0	0.001	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	680	680	685	0.0	0.0	0.005	A
		Exit	1	1		841	841	850	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	125	125	133	0.4	0.3	9.949	A
		Exit	1	1		179	179	176	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	836	836	845	0.0	0.0	0.000	A
				2	B	92	92	88	0.1	0.2	7.266	A
			2	1	(A, B)	928	928	933	0.0	0.0	0.001	A
		Exit	1	1		713	713	725	0.0	0.0	0.003	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	841	841	852	0.0	0.0	0.000	A
		Exit	1	1		680	680	685	0.0	0.0	0.001	A
	B - Water St	Entry	1	1	C	128	127	125	0.3	0.3	8.679	A
				2	A	19	19	19	0.1	0.1	21.943	C
			2	1	(A, C)	147	147	144	0.0	0.0	0.094	A
		Exit	1	1		258	258	261	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	662	662	666	0.0	0.0	0.000	A
				2	B	173	173	175	0.4	0.5	10.078	B
			2	1	(A, B)	835	835	841	0.0	0.0	0.005	A
		Exit	1	1		883	883	891	0.0	0.0	0.000	A

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	542	542	557	0.0	0.0	0.000	A
		Exit	1	1		715	715	719	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	715	715	719	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	6.025	A
			2	1	(A, B)	717	717	721	0.0	0.0	0.000	A
		Exit	1	1		542	542	557	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	715	715	719	0.0	0.0	0.000	A
		Exit	1	1		542	542	557	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	85	83	89	0.3	0.3	8.069	A
		Exit	1	1		78	78	77	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	542	542	557	0.0	0.0	0.000	A
				2	B	41	41	42	0.1	0.0	7.723	A
			2	1	(A, B)	583	583	599	0.0	0.0	0.008	A
		Exit	1	1		761	761	772	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	558	558	566	0.0	0.0	0.004	A
		Exit	1	1		697	697	706	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	104	105	110	0.3	0.2	8.278	A
		Exit	1	1		144	144	143	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	693	693	701	0.0	0.0	0.000	A
				2	B	68	68	71	0.2	0.1	6.825	A
			2	1	(A, B)	761	761	772	0.0	0.0	0.000	A
		Exit	1	1		583	583	599	0.0	0.0	0.002	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	697	697	707	0.0	0.0	0.000	A
		Exit	1	1		558	558	566	0.0	0.0	0.001	A
	B - Water St	Entry	1	1	C	100	102	103	0.3	0.2	7.857	A
				2	A	12	12	15	0.1	0.1	18.099	C
			2	1	(A, C)	112	112	117	0.0	0.0	0.032	A
		Exit	1	1		208	208	211	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	546	546	551	0.0	0.0	0.000	A
				2	B	139	139	141	0.5	0.3	8.810	A
			2	1	(A, B)	686	686	691	0.0	0.0	0.000	A
		Exit	1	1		730	730	740	0.0	0.0	0.000	A

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	464	464	465	0.0	0.0	0.000	A
		Exit	1	1		594	594	596	0.0	0.0	0.000	A
	B - ATS	Entry	1	1	A, C	0	0	0	0.0	0.0	0.000	A
		Exit	1	1		2	2	2	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	594	594	596	0.0	0.0	0.000	A
				2	B	2	2	2	0.0	0.0	6.137	A
		Exit	1	1	(A, B)	595	595	598	0.0	0.0	0.000	A
				1		464	464	465	0.0	0.0	0.000	A
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	594	594	595	0.0	0.0	0.000	A
		Exit	1	1		464	464	465	0.0	0.0	0.000	A
	B - ALDI	Entry	1	1	C	75	74	74	0.3	0.1	7.750	A
		Exit	1	1		65	65	63	0.0	0.0	0.000	A
	C - Afan Way (E)	Entry	1	1	A	464	464	465	0.0	0.0	0.000	A
				2	B	37	37	34	0.0	0.1	7.565	A
		Exit	1	1	(A, B)	501	501	499	0.0	0.0	0.002	A
				1		640	640	639	0.0	0.0	0.000	A
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	B, C	477	477	472	0.0	0.0	0.000	A
		Exit	1	1		582	582	583	0.0	0.0	0.000	A
	B - Green Park St	Entry	1	1	A, C	92	92	93	0.2	0.2	7.615	A
		Exit	1	1		126	126	122	0.0	0.0	0.000	A
	C - Afan Way (W)	Entry	1	1	A	578	578	579	0.0	0.0	0.000	A
				2	B	61	61	60	0.1	0.1	6.302	A
		Exit	1	1	(A, B)	640	640	639	0.0	0.0	0.001	A
				1		501	501	499	0.0	0.0	0.000	A
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	B, C	582	582	585	0.0	0.0	0.000	A
		Exit	1	1		477	477	472	0.0	0.0	0.000	A
	B - Water St	Entry	1	1	C	84	83	83	0.2	0.1	6.744	A
				2	A	11	11	13	0.1	0.0	15.315	C
		Exit	1	1	(A, C)	95	95	95	0.0	0.0	0.001	A
				1		172	172	177	0.0	0.0	0.000	A
	C - Water St (E)	Entry	1	1	A	466	466	459	0.0	0.0	0.000	A
				2	B	112	112	117	0.3	0.2	7.684	A
		Exit	1	1	(A, B)	578	578	575	0.0	0.0	0.000	A
				1		607	607	608	0.0	0.0	0.000	A
		Exit	1	1								
				1								

Lane movements: Main Results for each time segment

15:45 - 16:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	456	114	-	-	-	456	461	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	598	150	-	-	-	598	600	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	0.36	0.09	178	145	0.002	0.36	0.99	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	598	150	-	-	-	598	600	0.0

			2	1	B	0.36	0.09	-	-	-	0.36	0.99	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	28	7	-	-	-	28	30	0.0
					C	570	143	-	-	-	570	571	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	73	18	713	560	0.130	73	77	0.0
	C - Afan Way (E)	Entry	1	1	A	456	114	-	-	-	456	461	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	38	10	676	522	0.073	38	36	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	456	114	-	-	-	456	461	0.0
					B	38	10	-	-	-	38	37	0.0
C					0	0	0	0	0.000	0	0	0.0	
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	62	16	-	-	-	62	62	0.0
					C	412	103	-	-	-	412	413	0.0
	B - Green Park St	Entry	1	1	A	4	1	343	206	0.020	4	4	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	84	21	716	597	0.141	82	84	0.0
	C - Afan Way (W)	Entry	1	1	A	581	145	-	-	-	581	586	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
2			1	A	0	0	0	0	0.000	0	0	0.0	
				B	62	16	759	625	0.099	61	61	0.0	
				C	0	0	0	0	0.000	0	0	0.0	
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	60	15	-	-	-	60	63	0.0
					C	525	131	-	-	-	525	529	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	771	612	0.128	78	84	0.0
			2	1	A	13	3	463	264	0.048	13	13	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	1	1	A	13	3	-	-	-	13	13	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	79	20	-	-	-	79	84	0.0
			2	1	A	462	115	-	-	-	462	462	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
2				1	A	0	0	0	0	0.000	0	0	0.0
					B	122	31	771	595	0.206	122	119	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:00 - 16:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
					A	0	0	0	0	0.000	0	0	0.0

1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	B	0	0	0	0	0.000	0	0	0.0
					C	540	135	-	-	-	540	546	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	712	178	-	-	-	712	717	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.53	240	193	0.011	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
		Entry	2	1	A	712	178	-	-	-	712	717	0.0
					B	2	0.53	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	37	9	-	-	-	37	34	0.0
					C	675	169	-	-	-	675	682	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	83	21	713	529	0.158	82	85	0.2
	C - Afan Way (E)	Entry	1	1	A	540	135	-	-	-	540	546	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	42	11	676	498	0.085	42	41	0.0
					C	0	0	0	0	0.000	0	0	0.0
		Entry	2	1	A	540	135	-	-	-	540	546	0.0
					B	42	11	-	-	-	42	41	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	68	17	-	-	-	68	69	0.0
					C	483	121	-	-	-	483	485	0.0
	B - Green Park St	Entry	1	1	A	5	1	337	184	0.025	4	4	0.3
					B	0	0	0	0	0.000	0	0	0.0
					C	98	24	716	579	0.169	100	101	0.3
	C - Afan Way (W)	Entry	1	1	A	683	171	-	-	-	683	693	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	74	19	759	599	0.124	75	74	0.2
					C	0	0	0	0	0.000	0	0	0.0
		Entry	2	1	A	683	171	-	-	-	683	693	0.0
					B	74	19	-	-	-	74	74	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	68	17	-	-	-	68	73	0.0
					C	619	155	-	-	-	619	626	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	101	25	771	580	0.175	102	98	0.2
			2	1	A	17	4	459	223	0.074	16	15	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
		Entry	2	1	A	17	4	-	-	-	17	15	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	101	25	-	-	-	101	98	0.0
				1	A	534	134	-	-	-	534	539	0.0
				1	B	0	0	0	0	0.000	0	0	0.0

	C - Water St (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	143	36	771	563	0.254	142	141	0.2
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	534	134	-	-	-	534	539	0.0
					B	143	36	-	-	-	143	142	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:15 - 16:30

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	683	171	-	-	-	683	676	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	870	218	-	-	-	870	877	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	1	0.36	317	240	0.006	1	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	870	218	-	-	-	870	877	0.0
					B	1	0.36	-	-	-	1	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	44	11	-	-	-	44	45	0.0
					C	826	207	-	-	-	826	832	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	103	26	713	487	0.212	106	109	0.2
	C - Afan Way (E)	Entry	1	1	A	683	171	-	-	-	683	676	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	51	13	676	456	0.111	50	50	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	683	171	-	-	-	683	676	0.0
					B	51	13	-	-	-	51	50	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	84	21	-	-	-	84	87	0.0
					C	605	151	-	-	-	605	601	0.0
	B - Green Park St	Entry	1	1	A	7	2	464	200	0.034	7	7	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	130	32	716	544	0.238	129	125	0.1
	C - Afan Way (W)	Entry	1	1	A	844	211	-	-	-	844	854	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	88	22	759	562	0.157	88	88	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	844	211	-	-	-	844	854	0.0
					B	88	22	-	-	-	88	88	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	92	23	-	-	-	92	90	0.0

4 - Water St / Afan Way	B - Water St	Entry	1	C	759	190	-	-	-	759	772	0.0
				A	0	0	0	0	0.000	0	0	0.0
				B	0	0	0	0	0.000	0	0	0.0
			2	C	131	33	771	532	0.247	130	123	0.2
				A	16	4	468	171	0.093	17	19	0.1
				B	0	0	0	0	0.000	0	0	0.0
			2	C	0	0	0	0	0.000	0	0	0.0
				A	16	4	-	-	-	16	18	0.0
				B	0	0	0	0	0.000	0	0	0.0
C - Water St (E)	Entry	1	1	C	131	33	-	-	-	131	124	0.0
				A	672	168	-	-	-	672	670	0.0
				B	0	0	0	0	0.000	0	0	0.0
		2	1	C	0	0	0	0	0.000	0	0	0.0
				A	0	0	0	0	0.000	0	0	0.0
				B	172	43	771	525	0.328	173	173	0.4
		2	1	C	0	0	0	0	0.000	0	0	0.0
				A	672	168	-	-	-	672	670	0.0
				B	172	43	-	-	-	172	173	0.0
	Entry	1	1	C	0	0	0	0	0.000	0	0	0.0
				A	672	168	-	-	-	672	670	0.0
				B	172	43	-	-	-	172	173	0.0
		2	1	C	0	0	0	0	0.000	0	0	0.0
				A	672	168	-	-	-	672	670	0.0
				B	172	43	-	-	-	172	173	0.0
		2	1	C	0	0	0	0	0.000	0	0	0.0
				A	672	168	-	-	-	672	670	0.0
				B	172	43	-	-	-	172	173	0.0

16:30 - 16:45

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	664	166	-	-	-	664	672	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	861	215	-	-	-	861	867	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	3	0.80	333	250	0.013	3	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	861	215	-	-	-	861	867	0.0
					B	3	0.80	-	-	-	3	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	43	11	-	-	-	43	41	0.0
					C	818	205	-	-	-	818	823	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	111	28	713	490	0.226	110	110	0.2
	C - Afan Way (E)	Entry	1	1	A	664	166	-	-	-	664	672	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	49	12	676	456	0.106	49	53	0.1
					C	0	0	0	0	0.000	0	0	0.0
		2	1	1	A	664	166	-	-	-	664	672	0.0
					B	49	12	-	-	-	49	53	0.0
					C	0	0	0	0	0.000	0	0	0.0
	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	87	22	-	-	-	87	88	0.0
					C	593	148	-	-	-	593	597	0.0
	B - Green Park St	Entry	1	1	A	5	1	431	181	0.030	5	5	0.0

3 - Green Park St / Afan Way	C - Afan Way (W)	Entry	1	1	C	119	30	716	547	0.218	120	128	0.4
					A	836	209	-	-	-	836	845	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	92	23	759	565	0.163	92	88	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	836	209	-	-	-	836	845	0.0
					B	92	23	-	-	-	92	88	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	85	21	-	-	-	85	86	0.0
					C	757	189	-	-	-	757	766	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	128	32	771	536	0.238	127	125	0.3
			2	1	A	19	5	473	175	0.110	19	19	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Water St (E)	Entry	2	1	A	19	5	-	-	-	19	19	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	128	32	-	-	-	128	125	0.0
			1	1	A	662	165	-	-	-	662	666	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	173	43	771	521	0.332	173	175	0.4
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	662	165	-	-	-	662	666	0.0
					B	173	43	-	-	-	173	175	0.0
					C	0	0	0	0	0.000	0	0	0.0

16:45 - 17:00

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	542	135	-	-	-	542	557	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	A	715	179	-	-	-	715	719	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	0	0	0	0	0.000	0	0	0.0
					B	2	0.59	333	262	0.009	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	37	9	-	-	-	37	36	0.0
					C	678	169	-	-	-	678	683	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	85	21	713	527	0.160	83	89	0.3
				1	A	542	135	-	-	-	542	557	0.0
					B	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (E)	Entry	1	2	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	41	10	676	497	0.083	41	42	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	542	135	-	-	-	542	557	0.0
					B	41	10	-	-	-	41	41	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	76	19	-	-	-	76	72	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	C	482	121	-	-	-	482	494	0.0
					A	5	1	398	207	0.024	4	4	0.3
					B	0	0	0	0	0.000	0	0	0.0
	B - Green Park St	Entry	1	1	C	99	25	716	578	0.171	101	105	0.3
					A	693	173	-	-	-	693	701	0.0
					B	0	0	0	0	0.000	0	0	0.0
	C - Afan Way (W)	Entry	1	1	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	68	17	759	599	0.113	68	71	0.2
				2	C	0	0	0	0	0.000	0	0	0.0
					A	693	173	-	-	-	693	701	0.0
					B	68	17	-	-	-	68	70	0.0
			2	1	C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	69	17	-	-	-	69	70	0.0
					C	629	157	-	-	-	629	637	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	100	25	771	576	0.174	102	103	0.3
				2	A	12	3	463	224	0.054	12	15	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	12	3	-	-	-	12	14	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	100	25	-	-	-	100	103	0.0
	C - Water St (E)	Entry	1	1	A	546	137	-	-	-	546	551	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	139	35	771	557	0.250	139	141	0.5
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	546	137	-	-	-	546	551	0.0
B					139	35	-	-	-	139	140	0.0	
C					0	0	0	0	0.000	0	0	0.0	

17:00 - 17:15

Junction	Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Av. throughput (PCU/hr)	Start queue (Veh)
1 - ATS / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	464	116	-	-	-	464	465	0.0
	B - ATS	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			1	1	A	594	148	-	-	-	594	596	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0

	C - Afan Way (W)	Entry		2	B	2	0.42	348	292	0.006	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	594	148	-	-	-	594	596	0.0
					B	2	0.42	-	-	-	2	2	0.0
					C	0	0	0	0	0.000	0	0	0.0
2 - ALDI / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	29	7	-	-	-	29	29	0.0
					C	565	141	-	-	-	565	566	0.0
	B - ALDI	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	75	19	713	559	0.133	74	74	0.3
	C - Afan Way (E)	Entry	1	1	A	464	116	-	-	-	464	465	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
					A	0	0	0	0	0.000	0	0	0.0
					B	37	9	676	527	0.071	37	34	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	464	116	-	-	-	464	465	0.0
					B	37	9	-	-	-	37	34	0.0
					C	0	0	0	0	0.000	0	0	0.0
3 - Green Park St / Afan Way	A - Afan Way (E)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	65	16	-	-	-	65	62	0.0
					C	413	103	-	-	-	413	410	0.0
	B - Green Park St	Entry	1	1	A	4	0.98	326	192	0.020	4	4	0.2
					B	0	0	0	0	0.000	0	0	0.0
					C	88	22	716	597	0.148	88	89	0.2
	C - Afan Way (W)	Entry	1	1	A	578	145	-	-	-	578	579	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	61	15	759	623	0.098	61	60	0.1
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	578	145	-	-	-	578	579	0.0
					B	61	15	-	-	-	61	60	0.0
					C	0	0	0	0	0.000	0	0	0.0
4 - Water St / Afan Way	A - Afan Way (W)	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	59	15	-	-	-	59	60	0.0
					C	523	131	-	-	-	523	525	0.0
	B - Water St	Entry	1	1	A	0	0	0	0	0.000	0	0	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	84	21	771	606	0.138	83	83	0.2
				2	A	11	3	463	263	0.042	11	13	0.1
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	11	3	-	-	-	11	12	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	84	21	-	-	-	84	82	0.0
	C - Water St (E)	Entry	1	1	A	466	117	-	-	-	466	459	0.0
					B	0	0	0	0	0.000	0	0	0.0
					C	0	0	0	0	0.000	0	0	0.0
				2	A	0	0	0	0	0.000	0	0	0.0
					B	112	28	771	598	0.187	112	117	0.3
					C	0	0	0	0	0.000	0	0	0.0
			2	1	A	466	117	-	-	-	466	459	0.0
					B	112	28	-	-	-	112	116	0.0
					C	0	0	0	0	0.000	0	0	0.0



Appendix C

RSA Stage 1 Report



Stage 1 Road Safety Audit Report (Feasibility)

**Proposed Aldi Foodstore
Afan Way, Port Talbot
(Updated layout Dec 24)
S278 Highway Works
(Designer and Auditor Response)**

**Produced for:
Entran**

Date:16th December 2024



trafficmanagementconsultants@hotmail.co.uk



07771 557382

DOCUMENT REGISTER

Project Name: Aldi Foodstore, Afan Way, Port Talbot S278 Highway Works (Updated layout Dec 24).

Report Title: Stage 1 Road Safety Audit.

Date: 16th December 2023

Client: Entran

Audit Team	Name	Position	Date
Audit Team Leader:	Peter Ronald	Director	16/12/2024
Audit Team Member:	Tony Schneider	Road Safety Auditor	16/12/2024
Approved By:	Peter Ronald	Director	16/12/2024

Revision History					
Revision	Date	Description	Audit Team Leader	Audit Team Member	Approved
-	16/12/2024	Draft	PR	TS	PR
A	16/12/2024	Final	PR	TS	PR
B	07/01/2025	Designer and Auditor Response	PR		

Prepared By: **Traffic Management Consultants Ltd**

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1. Executive Summary

- 1.1 This scheme is promoted by Aldi Foodstores. This Road Safety Audit is supplied under the provisions of the safety audit request dated 11th December 2024.

2. Introduction

- 2.1 This report results from a Stage 1 Road Safety Audit carried out on proposed new Aldi Foodstore development S278 highway works. The works are to provide a new vehicle and pedestrian access from Afan Way and improved vehicle access from Water Street, Port Talbot. (Audit is not of the onsite works)

2.2 Audit Team Membership

The Audit Team comprised the following individuals:

Peter Ronald I.Eng., AMICE, MCIHT, MSoRSA, (HE - RSA Cert of Comp).
(Audit Team Leader)

Tony Schneider BSc., Eng. T, MCIHT
(Audit Team Member)

2.3 Audit Site Visit and Plan Examination

A site visit was carried out on Tuesday 2nd May 2023 by the Audit Team between 3.00pm and 3.45pm. The weather conditions were cloudy and dry, the road surface was dry. Traffic flows were moderate, and limited pedestrian / cycle movements were observed. Vehicle speeds were perceived to be within the posted speed limits along Afan Way and Water Street.

The Audit also comprised an examination by the team of the drawings provided by Entran and any additional support documents completed by the Audit Team as listed in **Appendix A**. All safety issues are with reference to the specific design details shown on the drawings.

2.4 Strategic Decisions

The Audit Team has not been advised of any Strategic Decisions made by the local Highway Authority or by the local Planning Authority.

2.5 Audit Brief

The Audit Team were not provided with an Audit Brief.

2.6 Terms of Reference

The terms of reference of the audit are based on "Guidelines for the Safety Audit of Highway Schemes" published by the Institution of Highways and Transportation, other guidance references are the Traffic Signs Regulations and General Directions 2016, and GG 119 Design Manual for Roads and Bridges.

The Audit Team has examined and reported only on the road safety implications of the scheme and has not verified the compliance of the designs to any other criteria. However, to clearly explain a safety problem or the recommendation to resolve a problem the Audit Team may, on occasion, have referred to a design standard or other guidance documents.

2.7 **Audit Recommendations**

Recommendations included within this report should not be regarded as being prescriptive design solutions to the problems identified. They are only to indicate a proportionate and viable means of eliminating or mitigating the identified road safety audit matters, and in no way imply that a formal design process has been undertaken.

There may be alternative measures of addressing a problem which would be equally acceptable or superior in achieving the desired degree of mitigation and these should be considered by the designer when responding to this report.

2.8 **Scope of Road Safety Audits**

Road Safety Audit shall only be concerned with Road Safety Matters, i.e. *an element of the existing road environment or proposed road environment that could potentially contribute to a road traffic collision or features that could present a risk of injuries to road users.*

Road Safety Audit is not a technical check that the design conforms to standards and/or best practice guidance.

Road Safety Audit is not a check that the scheme has been constructed in accordance with the design.

Road Safety Audit does not consider structural safety.

Road Safety Audit does not cover health and safety issues concerning road workers during the construction phase but may cover the future maintenance and operation of the road.

Road safety matters resulting from the operation of facilities for highway maintenance that affect road users shall be included in the scope of Road Safety Audit.

The needs of all road users shall be assessed when undertaking Road Safety Audits.

3. Risk Assessment

- 3.1 Each of the Auditors' responses is classified as either a 'Problem' or a 'Nil Response/Comment'. Items classified as a 'Problem' denote matters likely to result in significant road safety hazards. Items marked as 'Nil Response/Comment' are less serious but worthy of consideration by the Designer and/or by the Overseeing Organisation.
- 3.2 Although all the problems identified are of sufficient importance to require action, the table below shows their relative urgency based on the risk perceived by the Safety Auditors. The level of risk assigned to each problem is largely subjective and is only intended as a guide to assist the client in determining the priority of the road safety matters raised.

Severity / Risk Level	Probability				
	Frequent	Probable	Occasional	Remote	Improbable
Catastrophic	****Problem**** (Urgent)				
Critical		***Problem*** (High Risk)			
Major			**Problem** (Medium Risk)		
Minor				*Problem* (Low Risk)	
Negligible					Comment

4. Historical Summary

- 4.1 The site is currently vacant land.

5. Existing Environment

- 5.1 The new access is located off the northern side of Afan Way, west of the junction with Green Park Street, within Port Talbot, and a further service yard access is proposed from Water Street

Afan Way is a single carriageway local distributor road that links between the roundabout junction with the A4241 and Water Street. It has footways on either side and a system of street lighting that introduces a 30mph speed limit. There are single and double yellow lines present along both sides of the carriageway and a wide area of central hatching. It is flat and straight at the new access.

Water Street is a wide single carriageway residential road that links north from Afan Way. It has footways on either side and residential development along its northern side with vacant commercial land along its southern side. It has a system of traffic calming along its length in the form of speed cushions.

It has a system of street lighting present and forms part of a wider 20mph speed limit zone.

6. Collision Data

- 6.1 The Audit Team have not been provided with any recorded injury collision data as part of this road safety audit. However, interrogation of www.crashmap.co.uk indicates that there have been two slight personal injury collisions recorded within the extent of the scheme during the 2018 to 2022 five-year period occurring on Afan Way.

7. Survey Information

- 7.1 None provided.

8. Audit Assessment

- 8.1 The table below summarises the findings from this audit which are described in detail within the following pages.

Identified locations of Road Safety Audit Matters are indicated on the drawing within **Appendix B** to the rear of this report.

No.	Item	Comments	Notes
A1	General		
A1.1	Departures from Standards		
A1.2	Drainage		
A1.3	Climatic Conditions		
A1.4	Landscaping		
A1.5	Public Utilities/ Services Apparatus		
A1.6	Lay-bys		
A1.7	Access		
A1.8	Skid Resistance		
A1.9	Agriculture		
A1.10	Fences and Road Restraint Systems		
A1.11	Adjacent Developments and Roads		
A1.12	Road alignment		
A1.13	General layout	Problems	(8.1) On-carriageway parking along Water Street obstructing turning movement out of service yard access. (8.2) Proposed prohibition on right turning vehicles out of store access will introduce additional turning movements/conflicts at Green Park Street and Water Street junctions and U turns on Afan Way (9.1) Additional TRO's required to legalise proposed turning vehicle prohibitions

A2	Local Alignment		
A2.1	Visibility		
A2.2	New/Existing Road Interface		
A3	Junctions		
A3.1	Layout	Comment	(9.2) No vehicle tracking analysis produced for new layout
A3.2	Visibility		
A3.3	Signing		
A3.4	Road Markings	Problems	(8.3) Hatching adjacent to refuge island obstructs right turn movement into site (8.4) No separation between opposing ghost right turn lanes into store and tyre depot on Afan Way
A3.5	T, X and Y junctions		
A3.6	All roundabouts		
A3.7	Mini Roundabouts		
A3.8	Traffic Signals		
A4	Non-Motorised User Provision		
A4.1	Adjacent Land		
A4.2	Pedestrians	Problems	(8.5) Existing footway along Afan Way south of new access leads onto inadequate/unsafe pedestrian crossing point at end of footway (8.6) Pedestrian crossing point set back into store access and not in desire line (8.7) Reduced visibility to right of left turning vehicles into site at pedestrian crossing point (8.8) No pedestrian crossing points detailed across Water Street or Isaac's Place (8.9) No pedestrian access into store from Isaac's Place (8.10) Reduced visibility into service yard at pedestrian crossing point
A4.3	Cyclists		
A4.4	Equestrians		
A5	Road Signs, Carriageway Markings and Lighting		
A5.1	ADS and Local Traffic Signs		
A5.2	Variable Message Signs		
A5.3	Lighting		
A5.4	Road Markings		
A5.5	Poles and Columns		

8.1 *Problem* (Item A1.13)**Location:** Water Street**Summary:** On-carriageway parking along Water Street obstructing turning movement out of service yard access.

There is on-carriageway parking occurring opposite the proposed delivery service yard access onto Water Street. This parking will cause a problem for the turning movements of HGV delivery vehicles exiting the store. Introduce parking restrictions at the access to enable large vehicles to exit from the store safely.

TYPE OF CONFLICT/COLLISION

Risk of delivery vehicles unable to exit store access safely

RECOMMENDATION

Introduce parking restrictions at the access to enable large vehicles to exit from the store safely

8.2 *Problem* (Item A1.13)	
Location:	Afan Way at Green Park Street and Water Street junctions
Summary:	Proposed prohibition on right turning vehicles out of store access will introduce additional U turning movements/conflicts/congestion at Green Park Street and Water Street junctions and along Afan Way .
A new store access is detailed with restricted turning movements with only left turn out of the access. This will result in vehicles u turning in Green Park Street, Water Street junctions and along Afan Way and additional traffic on the roundabout to the south resulting in increased conflicts. Consider additional prohibitions on turning movements.	
TYPE OF CONFLICT/COLLISION	
Risk of collisions at junctions due to vehicles attempting to u turn in adjacent side roads and along Afan Way	
RECOMMENDATION	
Consider additional prohibition of turning movements	

8.3 *Problem* (Item A3.4)	
Location:	Afan Way at Store access junction
Summary:	Hatching adjacent to refuge island obstructs right turn movement into site
There is hatching detailed adjacent to the refuge island into the site that obstructs the right turn movement pushing vehicles into a conflict with vehicles accessing the tyre depot. Remove hatching from corner to help right turn movement.	
TYPE OF CONFLICT/COLLISION	
Risk of collisions due to restricted carriageway adjacent to hatched area	
RECOMMENDATION	
Remove hatching from corner to help right turn movement	

8.4 *Problem* (Item A3.4)	
Location:	Afan Way at Store access and Tyre Depot ghost right turns
Summary:	No separation between opposing ghost right turn lanes into store and tyre depot
There are conflicting ghost right turns into the new Store and the Tyre Depot. There needs to be some separation between the ghost right turn lanes to avoid head on collisions. Amend hatching as required to separate ghost right turns	
TYPE OF CONFLICT/COLLISION	
Risk of head on collisions on ghost right turn lanes	
RECOMMENDATION	
Amend hatching as required to separate ghost right turns	

8.5 *Problem* (Item A4.2)	
Location:	Afan Way
Summary:	Existing footway along Afan Way south of new access leads onto inadequate/unsafe pedestrian crossing point at end of footway
The new store will result in increased pedestrian movement along Afan Way southwest from the access. There is an inadequate existing pedestrian crossing point at the southern end of the footway on Afan Way where the crossing is blocked by a safety barrier. This crossing point needs to be amended and improved to cater for the increased pedestrian crossing movements that will be generated by the new foodstore.	
TYPE OF CONFLICT/COLLISION	
Risk of pedestrian accidents on inadequate/unsafe pedestrian crossing point	
RECOMMENDATION	
Amend existing pedestrian crossing point to make safe for increased pedestrian movements	

8.6 *Problem* (Item A4.2)	
Location:	New store access onto Afan Way
Summary:	Pedestrian crossing point set back into store access and not in desire line for pedestrians walking along Afan Way
There is a new pedestrian crossing point detailed across the store access that is set back into the access road and not in the desire line for pedestrians walking along Afan Way. Pedestrians walking along Afan Way will not divert into the store access road to cross. They will cross over the raised kerb instead. Relocate pedestrian crossing point nearer to desire line.	
TYPE OF CONFLICT/COLLISION	
Risk of pedestrians falling in carriageway crossing over full height kerbs	
RECOMMENDATION	
Relocate pedestrian crossing point nearer to desire line for pedestrians walking along Afan Way	

8.7 *Problem* (Item A4.2)	
Location:	Pedestrian crossing point on western side of store access
Summary:	Reduced visibility to right of left turning vehicles into site at pedestrian crossing point
There is a pedestrian crossing point set back into the store access where there is reduced visibility to the right of left turning vehicles into the store. Pedestrians need to see and be seen before crossing the road. Provide required visibility splay to the right for pedestrians crossing the road.	
TYPE OF CONFLICT/COLLISION	
Risk of pedestrian collisions due to reduced visibility at pedestrian crossing point	
RECOMMENDATION	
Provide required visibility splay to the right for pedestrians crossing the road.	

8.8 *Problem* (Item A4.2)	
Location:	Water Street and Isaac's Place
Summary:	No pedestrian crossing points detailed across Water Street or Isaac's Place
The new store will introduce additional pedestrian crossing movements across Water Street and Isaacs Place where there are no dropped kerb pedestrian crossing points. Provide new pedestrian crossing points where required to aid pedestrians visiting store.	
TYPE OF CONFLICT/COLLISION	
Risk of pedestrians falling in carriageway crossing roads where no pedestrian crossing points exist	
RECOMMENDATION	
Provide new pedestrian crossing points where required to aid pedestrians visiting store.	

8.9 *Problem* (Item A4.2)	
Location:	Isaacs Place
Summary:	No pedestrian access into store from Isaac's Place
A new store is detailed with frontage onto Isaacs Place but no pedestrian access. Pedestrians wanting access to the store have to walk around the block via Water Street to access the store. Provide pedestrian access to the store from Isaacs place	
TYPE OF CONFLICT/COLLISION	
Risk of pedestrian collisions having to cross over roads en route to access store	
RECOMMENDATION	
Provide pedestrian access to the store from Isaacs place	

8.10 *Problem* (Item A4.2)	
Location:	Water Street /Service yard
Summary:	Reduced visibility into service yard at pedestrian crossing point
There is a pedestrian crossing point across the store service yard where visibility into the yard is reduced by boundary wall/fencing for pedestrians crossing. Pedestrians need to see and be seen before crossing the access. Provide required visibility splays into the yard access for pedestrians crossing the access	
TYPE OF CONFLICT/COLLISION	
Risk of pedestrian collisions due to reduced visibility	
RECOMMENDATION	
Provide required visibility splays into the yard access for pedestrians crossing the access	

9. Nil Response/Comments

- 9.1 Additional TRO's required to legalise proposed turning vehicle prohibitions
- 9.2 No vehicle tracking analysis produced for new layout

10. Non-Motorised User Report (NMUs)

- 10.1 This report has identified a road safety problem affecting NMUs that should be resolved.

11. Audit Team Statement

I certify that we have examined the drawings listed within **Appendix A** and that the site has been inspected. The examination has been carried out with the sole purpose of identifying road safety matters that can be addressed to improve the safety of the scheme.

The problems identified have been noted in the report together with associated safety improvement suggestions that we recommend should be studied for implementation.

I can confirm that we have not been involved with the scheme design.



Peter Ronald
(Audit Team Leader)

16th December 2024



Tony Schneider
(Audit Team Member)

16th December 2024

14. Appendix C - Designer's and Auditor Response to Stage 1 Road Safety Audit

Stage 1 Road Safety Audit DESIGNER'S ROAD SAFETY AUDIT RESPONSE Scheme Name: Aldi Foodstore, Afan Way (Updated layout Dec 24)			
The issues categorised in this road safety audit as 'Problem' matters are those causing serious concern and are summarised below. The purpose of this form is for the scheme Designer or Overseeing Organisation to respond to the 'Problem' matters. Responses should be returned to Traffic Management Consultants. 'Comments' in this report are made for the benefit of the Designer and are not referred to below.			
RSA Matter	Summary of RSA Problem	Designer's Response	Overseeing Authority Response
8.1	On-carriageway parking along Water Street obstructing turning movement out of service yard access.	Water Street circa 8.6m wide therefore, with on-street parking present the HGV can still exit into a 6.8m carriageway width. This is normal for ALDI store and removal of on-street parking is not necessary for 2 deliveries a day. See SK27 for updated swept path analysis	
8.2	Proposed prohibition on right turning vehicles out of store access will introduce additional U turning movements/conflicts/congestion at Green Park Street and Water Street junctions and along Afan Way .	Noted but not agreed. Within 400m to the east any vehicle turning left out of ALDI will be able to safely use the roundabout to make a U-Turn.	
8.3	Hatching adjacent to refuge island obstructs right turn movement into site	Noted and agreed. See updated SK26 revA	

8.4	No separation between opposing ghost right turn lanes into store and tyre depot	Noted and agreed. See updated SK26 RevA with separation now in place	
8.5	Existing footway along Afan Way south of new access leads onto inadequate/unsafe pedestrian crossing point at end of footway	Noted. This is out of ALDI control and the Council to provide this upgrade if they feel it is required. ALDI are not carrying out any works to the southern side of Afan Way only the northern side where they require access/egress.	
8.6	Pedestrian crossing point set back into store access and not in desire line for pedestrians walking along Afan Way	Noted. See attached SK26 RevA with amended crossing demonstrated	
8.7	Reduced visibility to right of left turning vehicles into site at pedestrian crossing point	Noted. Relocated pedestrian crossing now addresses this point and visibility now OK.	
8.8	No pedestrian crossing points detailed across Water Street or Isaac's Place	Noted but not agreed. Council to advise and can be added during S278 stage if required.	
8.9	No pedestrian access into store from Isaac's Place	Noted but not agreed. ALDI do not want an additional pedestrian route into the store in this location to keep the site secure along this boundary.	
8.10	Reduced visibility into service yard at pedestrian crossing point	Noted. See attached SK27 which demonstrates the boundary fence realigned to improve pedestrian visibility.	

AUDIT TEAM RESPONSE TO DESIGNERS COMMENTS

8.1 Agreed

8.2 Noted. Local Authority to agree

8.3 Agreed

8.4 Agreed

8.5 Noted. Local Authority to agree

8.6 Agreed

8.7 Agreed

8.8 Noted. Local Authority to agree

8.9 Noted. Local Authority to agree

8.10 Noted. Local Authority to agree

Design Organisation Response

The Design Organisation Response has been prepared by:

Name:

Position / Organisation:

Date:

Overseeing Authority Response

The Overseeing Authority Response has been prepared by:

Name:

Position / Organisation:

Date:



NOTES:
NO RIGHT TURN EXIT
LOSS OF 2NO. PARKING SPACES TO
DRIVE THRU
BOUNDARY WALL TO BE CUT BACK

REV	DATE	REVISION DETAILS	BY



entran
environmental & transportation

2nd & 3rd Floors | Northgate House | Upper Borough Walls | Bath | BA1 1RG
TELEPHONE : 0117 937 4077

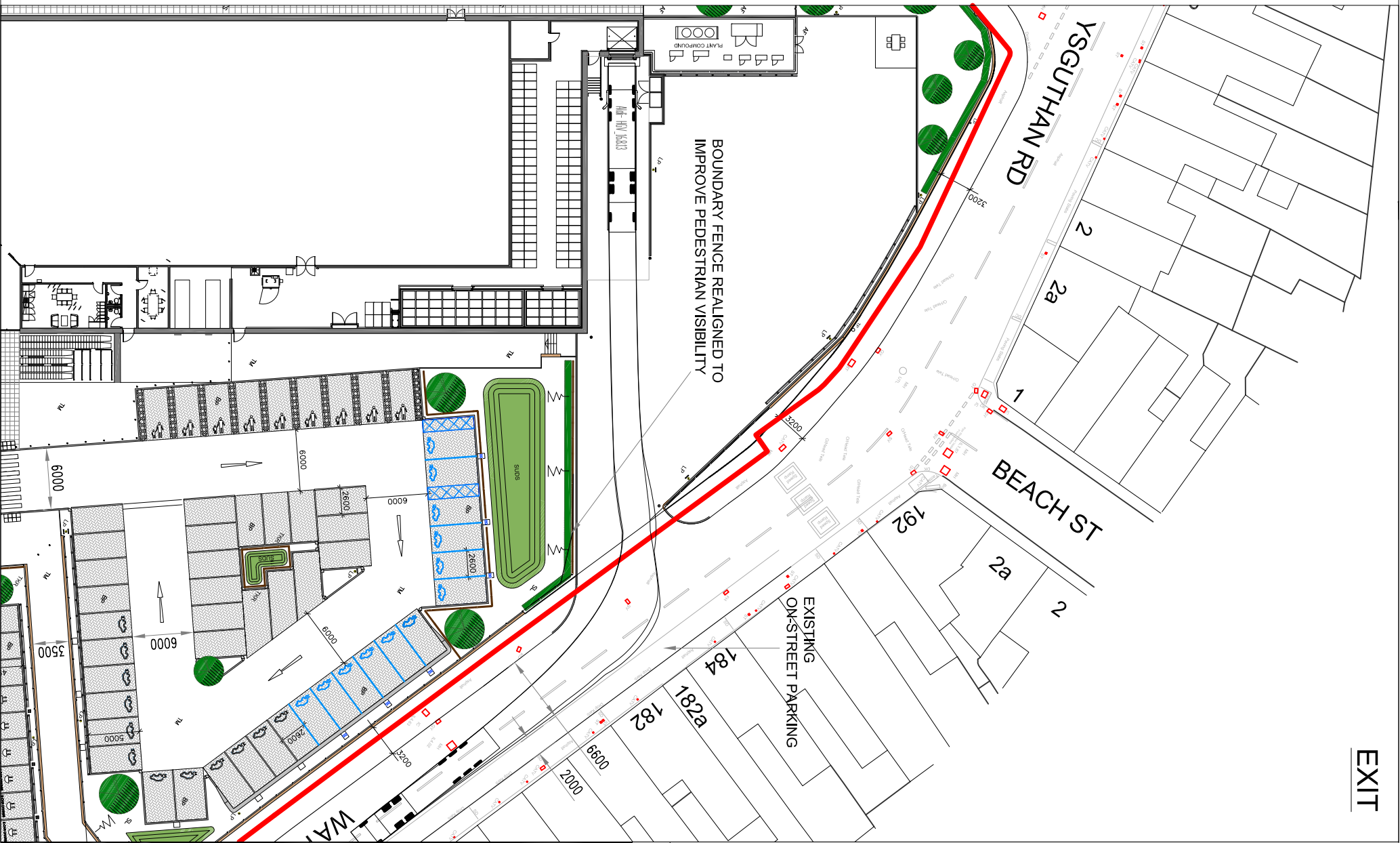
PROJECT TITLE
PROPOSED ALDI FOODSTORE
AFAN WAY
PORT TALBOT

DRAWING TITLE
PROPOSED ACCESS
ARRANGEMENTS
NO RIGHT TURN EXIT

CLIENT / ARCHITECT

STATUS			
PRELIMINARY			
SCALE	1:500	AT A3	DJA
CHECKED	RW	APPROVED	RW
DRG SIZE	DATE	DRAWING NUMBER	REV
A3	JAN 25	SK26	A

EXIT



2nd & 3rd Floors Northgate House Upper Borough Walls Bath BA1 1RG TELEPHONE : 0117 937 4077  entran environmental & transportation			
PROJECT TITLE PROPOSED ALDI FOODSTORE AFAN WAY PORT TALBOT			
DRAWING TITLE SWEEP PATH ANALYSIS WATER STREET 16.5m HGV			
CLIENT / ARCHITECT			
STATUS PRELIMINARY			
SCALE 1:500 CHECKED RW	AT A3 DJA APPROVED RW	DRAWN DJA APPROVED RW	
DWG SIZE A3	DATE 15.10.24	DRAWING NUMBER SK27	REV -