

ARCADY 7

Version: 7.0.0.99 [10 July 2009]
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File: Z:\OneDrive - Acstro Limited\Shared with Everyone\ACSTRO Jobs\0991 Cowbridge Rd St Athan\ARCADY\site access.arc7
Report generation date: 4/6/2018 4:50:28 PM

Summary of roundabout performance

	AM				PM			
	Queue (Veh)	Delay (min)	RFC	LOS	Queue (Veh)	Delay (min)	RFC	LOS
Proposed Roundabout - Design 2027								
Site Access	0.09	0.06	0.09	A	0.05	0.06	0.05	A
Cowbridge Road	0.44	0.08	0.31	A	0.30	0.07	0.23	A
Eglwys Brewis Road	0.18	0.07	0.16	A	0.16	0.07	0.13	A
St Athan Road	0.13	0.06	0.12	A	0.22	0.07	0.18	A

Values shown are the maximum values over all time segments. Delay is the maximum value of average delay per arriving vehicle.

Design 2027 - AM runs from 07:45:00 to 09:15:00
Design 2027 - PM runs from 16:45:00 to 18:15:00

File summary

File Description

Title	Proposed Access
Date	6/8/2017
Status	(new file)
Enumerator	ALUNREES41AFAdministrator
Results Upto Date	False

Analysis Options

RFC Threshold	Vehicle Length (m)	Do Queue Variations
0.85	5.75	

Sorting and Display

Show Arm Names	Arm Grouping	Sorting Direction	Sorting Type	Data Matrix Style	Time Style
Yes	Order	Ascending	Numerical	By Destination	Absolute Time

Units

Distance Units	Speed Units	Traffic Units Input	Traffic Units Results	Flow Units	Average Delay Units	Total Delay Units	Rate Of Delay Units
m	kph	Veh	Veh	perHour	min	-Min	perMin

A1 - Proposed Roundabout - D1 - Design 2027, AM

Data Errors and Warnings

Severity	Area	Description
Warning	Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.

Analysis Set Details

Name	Description	Include In Report	Use Specific Demand Set	Demand Set	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
Proposed Roundabout		Yes		(D1)		100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Locked	Run Automatically	Use Relationship	Relationship	Start Time (HH:mm)	Finish Time (HH:mm)	Time Period Length (min)	Time Segment Length (min)	Traffic Profile Type
Design 2027, AM	Design 2027	AM			Yes			07:45	09:15	90	15	ONE HOUR

Roundabout Network

Roundabout Type(s)

ID	Name	Arm Order	Roundabout Type	Grade Separated	Large Roundabout	Do Geometric Delay
1	(untitled)	1,2,3,4	Standard			

Roundabout Network Options

Driving Side	Lighting	Road Surface	In London
Left	Normal/unknown	((Mini-roundabouts only))	

Arms

Arms

ID	Name	Description
1	Site Access	
2	Cowbridge Road	
3	Eglwys Brewis Road	
4	St Athan Road	

Capacity Options

Arm	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
Site Access	0.00	99999.00		0.00
Cowbridge Road	0.00	99999.00		0.00
Eglwys Brewis Road	0.00	99999.00		0.00
St Athan Road	0.00	99999.00		0.00

Standard Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
Site Access	3.00	4.60	11.00	20.00	28.00	36.00	
Cowbridge Road	3.00	5.70	5.00	20.00	28.00	43.00	
Eglwys Brewis Road	2.80	7.00	13.00	6.00	28.00	74.00	
St Athan Road	3.13	4.40	47.00	15.00	28.00	47.00	

Pedestrian Crossings

Arm	Crossing Type
Site Access	None
Cowbridge Road	None
Eglwys Brewis Road	None
St Athan Road	None

Arm Slope/ Intercept and Capacity

Slope and Intercept used in model

Arm	Enter Directly	Slope	Intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
Site Access		((calculated))	((calculated))	0.554	1214.006
Cowbridge Road		((calculated))	((calculated))	0.534	1154.357
Eglwys Brewis Road		((calculated))	((calculated))	0.450	1080.848
St Athan Road		((calculated))	((calculated))	0.535	1204.504

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
		Yes	Yes	HV Percentages	2.00				Yes	Yes

Entry Flows

General Flows Data

Arm	Profile Type	Use Turning Counts	Average Demand Flow (Veh/hr)	Flow Scaling Factor (%)	PHF
Site Access	ONE HOUR	Yes	84.00	100.000	N/A
Cowbridge Road	ONE HOUR	Yes	314.00	100.000	N/A
Eglwys Brewis Road	ONE HOUR	Yes	142.00	100.000	N/A
St Athan Road	ONE HOUR	Yes	119.00	100.000	N/A

Direct/Resultant Flows

Direct Flows Data

Time Segment	Arm	Direct Demand Entry Flow (Veh/hr)	DirectDemandEntryFlowInPCU (PCU/hr)	Direct Demand Exit Flow (Veh/hr)	Direct Demand Pedestrian Flow (Ped/hr)
7:45 AM-8:00 AM	Site Access	63.24	63.24	N/A	N/A
7:45 AM-8:00 AM	Cowbridge Road	236.40	236.40	N/A	N/A
7:45 AM-8:00 AM	Eglwys Brewis Road	106.91	106.91	N/A	N/A
7:45 AM-8:00 AM	St Athan Road	89.59	89.59	N/A	N/A
8:00 AM-8:15 AM	Site Access	75.51	75.51	N/A	N/A
8:00 AM-8:15 AM	Cowbridge Road	282.28	282.28	N/A	N/A
8:00 AM-8:15 AM	Eglwys Brewis Road	127.66	127.66	N/A	N/A
8:00 AM-8:15 AM	St Athan Road	106.98	106.98	N/A	N/A
8:15 AM-8:30 AM	Site Access	92.49	92.49	N/A	N/A
8:15 AM-8:30 AM	Cowbridge Road	345.72	345.72	N/A	N/A
8:15 AM-8:30 AM	Eglwys Brewis Road	156.34	156.34	N/A	N/A

8:15 AM-8:30 AM	St Athan Road	131.02	131.02	N/A	N/A
8:30 AM-8:45 AM	Site Access	92.49	92.49	N/A	N/A
8:30 AM-8:45 AM	Cowbridge Road	345.72	345.72	N/A	N/A
8:30 AM-8:45 AM	Eglwys Brewis Road	156.34	156.34	N/A	N/A
8:30 AM-8:45 AM	St Athan Road	131.02	131.02	N/A	N/A
8:45 AM-9:00 AM	Site Access	75.51	75.51	N/A	N/A
8:45 AM-9:00 AM	Cowbridge Road	282.28	282.28	N/A	N/A
8:45 AM-9:00 AM	Eglwys Brewis Road	127.66	127.66	N/A	N/A
8:45 AM-9:00 AM	St Athan Road	106.98	106.98	N/A	N/A
9:00 AM-9:15 AM	Site Access	63.24	63.24	N/A	N/A
9:00 AM-9:15 AM	Cowbridge Road	236.40	236.40	N/A	N/A
9:00 AM-9:15 AM	Eglwys Brewis Road	106.91	106.91	N/A	N/A
9:00 AM-9:15 AM	St Athan Road	89.59	89.59	N/A	N/A

Turning Proportions

Turning Counts or Proportions (Veh/hr) - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	0.00	51.00	8.00	25.00
	2	14.00	0.00	181.00	119.00
	3	2.00	109.00	0.00	31.00
	4	7.00	89.00	23.00	0.00

Turning Proportions (Veh) - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	0.00	0.61	0.10	0.30
	2	0.04	0.00	0.58	0.38
	3	0.01	0.77	0.00	0.22
	4	0.06	0.75	0.19	0.00

Vehicle Mix

Average PCU Per Vehicle - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	1.00	1.00	1.00	1.00
	2	1.00	1.00	1.00	1.00
	3	1.00	1.00	1.00	1.00
	4	1.00	1.00	1.00	1.00

Heavy Vehicle Percentages - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00

3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00

Results

Results Summary

Arm	Max RFC	Max Delay (min)	Max Queue (Veh)	Max LOS	Total Demand (Veh/hr)	Total Arrivals (Veh)	Total Queueing Delay (Veh-min)	Average Queueing Delay (min)	Rate Of Queueing Delay (Veh-min/min)	Inclusive Queueing Total Delay (Veh-min)	Inclusive Queueing Average Delay (min)	Slope	Intercept (PCU/hr)
Site Access	0.09	0.06	0.09	A	77.08	115.62	6.77	0.06	0.08	6.77	0.06	0.554	1214.006
Cowbridge Road	0.31	0.08	0.44	A	288.13	432.20	31.08	0.07	0.35	31.09	0.07	0.534	1154.357
Eglwys Brewis Road	0.16	0.07	0.18	A	130.30	195.45	13.26	0.07	0.15	13.26	0.07	0.450	1080.848
St Athan Road	0.12	0.06	0.13	A	109.20	163.79	9.50	0.06	0.11	9.50	0.06	0.535	1204.504

Overview: Standard Roundabout Geometry

Standard Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only	Final Slope	Final Intercept (PCU/hr)
Site Access	3.00	4.60	11.00	20.00	28.00	36.00		0.554	1214.006
Cowbridge Road	3.00	5.70	5.00	20.00	28.00	43.00		0.534	1154.357
Eglwys Brewis Road	2.80	7.00	13.00	6.00	28.00	74.00		0.450	1080.848
St Athan Road	3.13	4.40	47.00	15.00	28.00	47.00		0.535	1204.504

Overview: Time Segment Results

Time Segment Results

Time Segment	Arm	Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Pedestrian Demand (Ped/hr)	Start Queue (Veh)	End Queue (Veh)	Queueing Total Delay (Veh-min)	Geometric Total Delay (Veh-min)	Average Delay Per Arriving Vehicle (min)
7:45 AM-8:00 AM	Site Access	63.24	1122.28	0.056	0.00	0.00	0.06	0.88	(0.00)	0.057
7:45 AM-8:00 AM	Cowbridge Road	236.40	1131.94	0.209	0.00	0.00	0.26	3.85	(0.00)	0.067
7:45 AM-8:00 AM	Eglwys Brewis Road	106.91	1027.58	0.104	0.00	0.00	0.12	1.70	(0.00)	0.065
7:45 AM-8:00 AM	St Athan Road	89.59	1154.41	0.078	0.00	0.00	0.08	1.23	(0.00)	0.056
8:00 AM-8:15 AM	Site Access	75.51	1104.12	0.068	0.00	0.06	0.07	1.08	(0.00)	0.058
8:00 AM-8:15 AM	Cowbridge Road	282.28	1127.51	0.250	0.00	0.26	0.33	4.90	(0.00)	0.071
8:00 AM-8:15 AM	Eglwys Brewis Road	127.66	1017.03	0.126	0.00	0.12	0.14	2.11	(0.00)	0.067
8:00 AM-8:15 AM	St Athan Road	106.98	1144.48	0.093	0.00	0.08	0.10	1.52	(0.00)	0.058
8:15 AM-8:30 AM	Site Access	92.49	1079.44	0.086	0.00	0.07	0.09	1.38	(0.00)	0.061
8:15 AM-8:30 AM	Cowbridge Road	345.72	1121.48	0.308	0.00	0.33	0.44	6.51	(0.00)	0.077
8:15 AM-8:30 AM	Eglwys Brewis Road	156.34	1002.70	0.156	0.00	0.14	0.18	2.71	(0.00)	0.071
8:15 AM-8:30 AM	St Athan Road	131.02	1131.00	0.116	0.00	0.10	0.13	1.93	(0.00)	0.060

8:30 AM-8:45 AM	Site Access	92.49	1079.32	0.086	0.00	0.09	0.09	1.40	(0.00)	0.061
8:30 AM-8:45 AM	Cowbridge Road	345.72	1121.45	0.308	0.00	0.44	0.44	6.65	(0.00)	0.077
8:30 AM-8:45 AM	Eglwys Brewis Road	156.34	1002.61	0.156	0.00	0.18	0.18	2.76	(0.00)	0.071
8:30 AM-8:45 AM	St Athan Road	131.02	1130.92	0.116	0.00	0.13	0.13	1.96	(0.00)	0.060
8:45 AM-9:00 AM	Site Access	75.51	1103.91	0.068	0.00	0.09	0.07	1.12	(0.00)	0.058
8:45 AM-9:00 AM	Cowbridge Road	282.28	1127.46	0.250	0.00	0.44	0.34	5.14	(0.00)	0.071
8:45 AM-9:00 AM	Eglwys Brewis Road	127.66	1016.87	0.126	0.00	0.18	0.14	2.20	(0.00)	0.068
8:45 AM-9:00 AM	St Athan Road	106.98	1144.35	0.093	0.00	0.13	0.10	1.57	(0.00)	0.058
9:00 AM-9:15 AM	Site Access	63.24	1121.82	0.056	0.00	0.07	0.06	0.91	(0.00)	0.057
9:00 AM-9:15 AM	Cowbridge Road	236.40	1131.84	0.209	0.00	0.34	0.27	4.05	(0.00)	0.067
9:00 AM-9:15 AM	Eglwys Brewis Road	106.91	1027.29	0.104	0.00	0.14	0.12	1.78	(0.00)	0.065
9:00 AM-9:15 AM	St Athan Road	89.59	1154.14	0.078	0.00	0.10	0.08	1.28	(0.00)	0.056

A1 - Proposed Roundabout - D2 - Design 2027, PM

Data Errors and Warnings

Severity	Area	Description
Warning	Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.

Analysis Set Details

Name	Description	Include In Report	Use Specific Demand Set	Demand Set	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
Proposed Roundabout		Yes		(D1)		100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Locked	Run Automatically	Use Relationship	Relationship	Start Time (HH:mm)	Finish Time (HH:mm)	Time Period Length (min)	Time Segment Length (min)	Traffic Profile Type
Design 2027, PM	Design 2027	PM			Yes			16:45	18:15	90	15	ONE HOUR

Roundabout Network

Roundabout Type(s)

ID	Name	Arm Order	Roundabout Type	Grade Separated	Large Roundabout	Do Geometric Delay
1	(untitled)	1,2,3,4	Standard			

Roundabout Network Options

Driving Side	Lighting	Road Surface	In London
Left	Normal/unknown	((Mini-roundabouts only))	

Arms

Arms

ID	Name	Description
1	Site Access	
2	Cowbridge Road	
3	Eglwys Brewis Road	
4	St Athan Road	

Capacity Options

Arm	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
Site Access	0.00	99999.00		0.00
Cowbridge Road	0.00	99999.00		0.00
Eglwys Brewis Road	0.00	99999.00		0.00
St Athan Road	0.00	99999.00		0.00

Standard Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
Site Access	3.00	4.60	11.00	20.00	28.00	36.00	
Cowbridge Road	3.00	5.70	5.00	20.00	28.00	43.00	
Eglwys Brewis Road	2.80	7.00	13.00	6.00	28.00	74.00	
St Athan Road	3.13	4.40	47.00	15.00	28.00	47.00	

Pedestrian Crossings

Arm	Crossing Type
Site Access	None
Cowbridge Road	None
Eglwys Brewis Road	None
St Athan Road	None

Arm Slope/ Intercept and Capacity

Slope and Intercept used in model

Arm	Enter Directly	Slope	Intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
Site Access		((calculated))	((calculated))	0.554	1214.006
Cowbridge Road		((calculated))	((calculated))	0.534	1154.357
Eglwys Brewis Road		((calculated))	((calculated))	0.450	1080.848
St Athan Road		((calculated))	((calculated))	0.535	1204.504

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
		Yes	Yes	HV Percentages	2.00				Yes	Yes

Entry Flows

General Flows Data

Arm	Profile Type	Use Turning Counts	Average Demand Flow (Veh/hr)	Flow Scaling Factor (%)	PHF
Site Access	ONE HOUR	Yes	46.00	100.000	N/A
Cowbridge Road	ONE HOUR	Yes	236.00	100.000	N/A
Eglwys Brewis Road	ONE HOUR	Yes	124.00	100.000	N/A
St Athan Road	ONE HOUR	Yes	180.00	100.000	N/A

Direct/Resultant Flows

Direct Flows Data

Time Segment	Arm	Direct Demand Entry Flow (Veh/hr)	DirectDemandEntryFlowInPCU (PCU/hr)	Direct Demand Exit Flow (Veh/hr)	Direct Demand Pedestrian Flow (Ped/hr)
4:45 PM-5:00 PM	Site Access	34.63	34.63	N/A	N/A
4:45 PM-5:00 PM	Cowbridge Road	177.67	177.67	N/A	N/A
4:45 PM-5:00 PM	Eglwys Brewis Road	93.35	93.35	N/A	N/A
4:45 PM-5:00 PM	St Athan Road	135.51	135.51	N/A	N/A
5:00 PM-5:15 PM	Site Access	41.35	41.35	N/A	N/A
5:00 PM-5:15 PM	Cowbridge Road	212.16	212.16	N/A	N/A
5:00 PM-5:15 PM	Eglwys Brewis Road	111.47	111.47	N/A	N/A
5:00 PM-5:15 PM	St Athan Road	161.82	161.82	N/A	N/A
5:15 PM-5:30 PM	Site Access	50.65	50.65	N/A	N/A
5:15 PM-5:30 PM	Cowbridge Road	259.84	259.84	N/A	N/A
5:15 PM-5:30 PM	Eglwys Brewis Road	136.53	136.53	N/A	N/A
5:15 PM-5:30 PM	St Athan Road	198.18	198.18	N/A	N/A
5:30 PM-5:45 PM	Site Access	50.65	50.65	N/A	N/A
5:30 PM-5:45 PM	Cowbridge Road	259.84	259.84	N/A	N/A
5:30 PM-5:45 PM	Eglwys Brewis Road	136.53	136.53	N/A	N/A
5:30 PM-5:45 PM	St Athan Road	198.18	198.18	N/A	N/A
5:45 PM-6:00 PM	Site Access	41.35	41.35	N/A	N/A
5:45 PM-6:00 PM	Cowbridge Road	212.16	212.16	N/A	N/A
5:45 PM-6:00 PM	Eglwys Brewis Road	111.47	111.47	N/A	N/A
5:45 PM-6:00 PM	St Athan Road	161.82	161.82	N/A	N/A
6:00 PM-6:15 PM	Site Access	34.63	34.63	N/A	N/A
6:00 PM-6:15 PM	Cowbridge Road	177.67	177.67	N/A	N/A
6:00 PM-6:15 PM	Eglwys Brewis Road	93.35	93.35	N/A	N/A
6:00 PM-6:15 PM	St Athan Road	135.51	135.51	N/A	N/A

Turning Proportions

Turning Counts or Proportions (Veh/hr) - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	0.00	27.00	5.00	14.00
	2	43.00	0.00	110.00	83.00
	3	7.00	107.00	0.00	10.00
	4	21.00	126.00	33.00	0.00

Turning Proportions (Veh) - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	0.00	0.59	0.11	0.30
	2	0.18	0.00	0.47	0.35
	3	0.06	0.86	0.00	0.08
	4	0.12	0.70	0.18	0.00

Vehicle Mix

Average PCU Per Vehicle - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	1.00	1.00	1.00	1.00
	2	1.00	1.00	1.00	1.00
	3	1.00	1.00	1.00	1.00
	4	1.00	1.00	1.00	1.00

Heavy Vehicle Percentages - Roundabout 1 (for whole period)

		To			
		1	2	3	4
From	1	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00
	3	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00

Results

Results Summary

Arm	Max RFC	Max Delay (min)	Max Queue (Veh)	Max LOS	Total Demand (Veh/hr)	Total Arrivals (Veh)	Total Queueing Delay (Veh-min)	Average Queueing Delay (min)	Rate Of Queueing Delay (Veh-min/min)	Inclusive Queueing Total Delay (Veh-min)	Inclusive Queueing Average Delay (min)	Slope	Intercept (PCU/hr)
Site Access	0.05	0.06	0.05	A	42.21	63.32	3.67	0.06	0.04	3.67	0.06	0.554	1214.006
Cowbridge Road	0.23	0.07	0.30	A	216.56	324.84	21.41	0.07	0.24	21.41	0.07	0.534	1154.357
Eglwys Brewis Road	0.13	0.07	0.16	A	113.78	170.68	11.26	0.07	0.13	11.26	0.07	0.450	1080.848
St Athan Road	0.18	0.07	0.22	A	165.17	247.76	15.48	0.06	0.17	15.48	0.06	0.535	1204.504

Overview: Standard Roundabout Geometry

Standard Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only	Final Slope	Final Intercept (PCU/hr)
Site Access	3.00	4.60	11.00	20.00	28.00	36.00		0.554	1214.006
Cowbridge Road	3.00	5.70	5.00	20.00	28.00	43.00		0.534	1154.357

Eglwys Brewis Road	2.80	7.00	13.00	6.00	28.00	74.00		0.450	1080.848
St Athan Road	3.13	4.40	47.00	15.00	28.00	47.00		0.535	1204.504

Overview: Time Segment Results

Time Segment Results

Time Segment	Arm	Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Pedestrian Demand (Ped/hr)	Start Queue (Veh)	End Queue (Veh)	Queueing Total Delay (Veh-min)	Geometric Total Delay (Veh-min)	Average Delay Per Arriving Vehicle (min)
4:45 PM-5:00 PM	Site Access	34.63	1103.61	0.031	0.00	0.00	0.03	0.48	(0.00)	0.056
4:45 PM-5:00 PM	Cowbridge Road	177.67	1133.54	0.157	0.00	0.00	0.18	2.72	(0.00)	0.063
4:45 PM-5:00 PM	Eglwys Brewis Road	93.35	1033.64	0.090	0.00	0.00	0.10	1.45	(0.00)	0.064
4:45 PM-5:00 PM	St Athan Road	135.51	1141.58	0.119	0.00	0.00	0.13	1.97	(0.00)	0.060
5:00 PM-5:15 PM	Site Access	41.35	1081.75	0.038	0.00	0.03	0.04	0.59	(0.00)	0.058
5:00 PM-5:15 PM	Cowbridge Road	212.16	1129.43	0.188	0.00	0.18	0.23	3.40	(0.00)	0.065
5:00 PM-5:15 PM	Eglwys Brewis Road	111.47	1024.29	0.109	0.00	0.10	0.12	1.80	(0.00)	0.066
5:00 PM-5:15 PM	St Athan Road	161.82	1129.11	0.143	0.00	0.13	0.17	2.46	(0.00)	0.062
5:15 PM-5:30 PM	Site Access	50.65	1052.05	0.048	0.00	0.04	0.05	0.75	(0.00)	0.060
5:15 PM-5:30 PM	Cowbridge Road	259.84	1123.83	0.231	0.00	0.23	0.30	4.41	(0.00)	0.069
5:15 PM-5:30 PM	Eglwys Brewis Road	136.53	1011.59	0.135	0.00	0.12	0.16	2.29	(0.00)	0.069
5:15 PM-5:30 PM	St Athan Road	198.18	1112.18	0.178	0.00	0.17	0.22	3.19	(0.00)	0.066
5:30 PM-5:45 PM	Site Access	50.65	1051.89	0.048	0.00	0.05	0.05	0.76	(0.00)	0.060
5:30 PM-5:45 PM	Cowbridge Road	259.84	1123.80	0.231	0.00	0.30	0.30	4.49	(0.00)	0.069
5:30 PM-5:45 PM	Eglwys Brewis Road	136.53	1011.52	0.135	0.00	0.16	0.16	2.33	(0.00)	0.069
5:30 PM-5:45 PM	St Athan Road	198.18	1112.08	0.178	0.00	0.22	0.22	3.24	(0.00)	0.066
5:45 PM-6:00 PM	Site Access	41.35	1081.48	0.038	0.00	0.05	0.04	0.61	(0.00)	0.058
5:45 PM-6:00 PM	Cowbridge Road	212.16	1129.38	0.188	0.00	0.30	0.23	3.54	(0.00)	0.065
5:45 PM-6:00 PM	Eglwys Brewis Road	111.47	1024.17	0.109	0.00	0.16	0.12	1.87	(0.00)	0.066
5:45 PM-6:00 PM	St Athan Road	161.82	1128.95	0.143	0.00	0.22	0.17	2.56	(0.00)	0.062
6:00 PM-6:15 PM	Site Access	34.63	1103.05	0.031	0.00	0.04	0.03	0.49	(0.00)	0.056
6:00 PM-6:15 PM	Cowbridge Road	177.67	1133.44	0.157	0.00	0.23	0.19	2.84	(0.00)	0.063
6:00 PM-6:15 PM	Eglwys Brewis Road	93.35	1033.40	0.090	0.00	0.12	0.10	1.52	(0.00)	0.064
6:00 PM-6:15 PM	St Athan Road	135.51	1141.25	0.119	0.00	0.17	0.14	2.06	(0.00)	0.060