

Junctions 11
ARCADY 11 - Roundabout Module
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Filename: 25103 - A11_A1307 Fourwentways Uncalibrated model (Future 2550 & 5000) (Lane Sim) LTS +2 RT + 2 LT (LRG RDBT).j11
Path: C:\Users\SamuelSizer\KMC\KMC-Data - Documents\1_PROJECTS\25000\25103 - Grange Farm, Cambridge\Modelling\Fourwentways roundabout
Report generation date: 02/04/2026 10:44:31

- »D3 - | Base + Com Dev | AM
- »D4 - | Base + Com Dev | PM
- »D5 - | Base + Com Dev + CaPCAM (2550) | AM
- »D6 - | Base + Com Dev + CaPCAM (2550) | PM
- »D9 - | Base + Com Dev + CaPCAM (5000) | AM
- »D10 - | Base + Com Dev + CaPCAM (5000) | PM
- »D11 - | Base + Com Dev + CaPCAM (2550) 30/70 SPLIT | AM
- »D12 - | Base + Com Dev + CaPCAM (2550) 30/70 SPLIT | PM
- »D13 - | Base + Com Dev + CaPCAM (5000) 30/70 SPLIT | AM
- »D14 - | Base + Com Dev + CaPCAM (5000) 30/70 SPLIT | PM

Summary of junction performance

	AM							PM						
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Junction Delay (s)	Junction LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Junction Delay (s)	Junction LOS
[Lane Simulation] - - Base + Com Dev														
Arm 1	D3	3.1	11.38		B	10.58	B	D4	0.7	8.34		A	5.14	A
Arm 2		4.7	15.74		C				1.2	4.46		A		
Arm 3		2.5	7.77		A				1.3	3.84		A		
Arm 4		0.5	2.97		A				3.1	5.82		A		
[Lane Simulation] - - Base + Com Dev + CaPCAM (2550)														
Arm 1	D5	3.3	13.97		B	8.19	A	D6	1.6	10.99		B	7.19	A
Arm 2		1.9	6.85		A				0.6	3.65		A		
Arm 3		0.8	5.29		A				0.9	3.57		A		
Arm 4		0.6	3.39		A				4.3	9.75		A		
[Lane Simulation] - - Base + Com Dev + CaPCAM (5000)														
Arm 1	D9	5.2	15.59		C	9.63	A	D10	3.0	21.11		C	17.97	C
Arm 2		3.2	9.12		A				0.9	4.04		A		
Arm 3		1.2	6.48		A				1.3	4.20		A		
Arm 4		0.7	3.80		A				13.4	32.59		D		
[Lane Simulation] - - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT														
Arm 1	D11	5.0	17.63		C	9.43	A	D12	1.5	12.09		B	7.93	A
Arm 2		1.8	6.67		A				0.5	3.65		A		
Arm 3		0.8	5.16		A				0.9	3.55		A		
Arm 4		0.5	3.44		A				4.8	11.24		B		
[Lane Simulation] - - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT														
Arm 1	D13	10.7	34.29		D	15.62	C	D14	3.0	21.27		C	23.92	C
Arm 2		2.5	8.66		A				0.7	3.83		A		
Arm 3		0.9	6.35		A				1.4	4.25		A		
Arm 4		0.6	3.80		A				24.1	46.56		E		

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 average delay per arriving vehicle. Arm and junction delays are averages for all movements, including movements with zero delay.

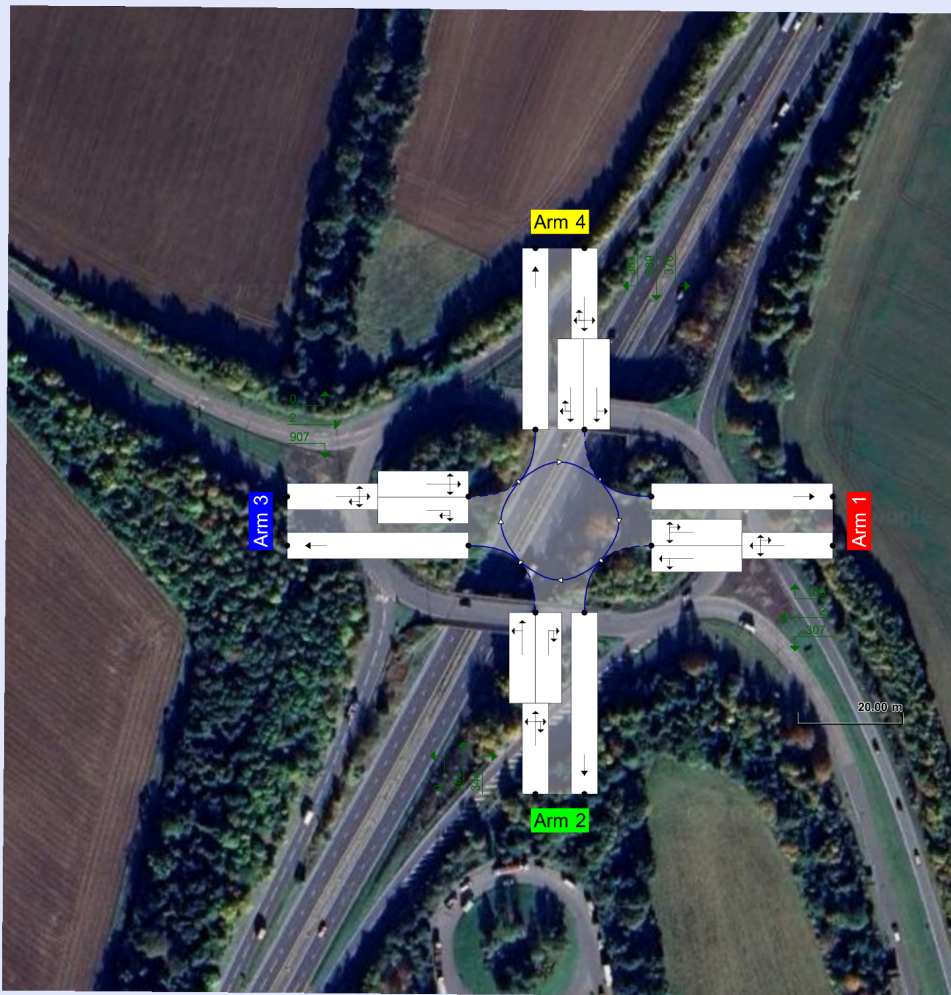
File summary

File Description

Title	
Location	
Site number	
Date	18/03/2026
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	AzureAD\SamuelSizer
Description	

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	PCU	perHour	s	-Min	perMin



Flows show original traffic demand (Veh/hr)
 Lane simulation visualisation time: 00:00:00

The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue 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	Average 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	-1	3	1	60	✓			2031569731	96	4.80

Demand Set Summary

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	Base + Com Dev	AM	ONE HOUR	00:00	01:30	15	✓
D4	Base + Com Dev	PM	ONE HOUR	00:00	01:30	15	✓
D5	Base + Com Dev + CaPCAM (2550)	AM	ONE HOUR	00:00	01:30	15	✓
D6	Base + Com Dev + CaPCAM (2550)	PM	ONE HOUR	00:00	01:30	15	✓
D9	Base + Com Dev + CaPCAM (5000)	AM	ONE HOUR	00:00	01:30	15	✓
D10	Base + Com Dev + CaPCAM (5000)	PM	ONE HOUR	00:00	01:30	15	✓
D11	Base + Com Dev + CaPCAM (2550) 30/70 SPLIT	AM	ONE HOUR	00:00	01:30	15	✓
D12	Base + Com Dev + CaPCAM (2550) 30/70 SPLIT	PM	ONE HOUR	00:00	01:30	15	✓
D13	Base + Com Dev + CaPCAM (5000) 30/70 SPLIT	AM	ONE HOUR	00:00	01:30	15	✓
D14	Base + Com Dev + CaPCAM (5000) 30/70 SPLIT	PM	ONE HOUR	00:00	01:30	15	✓

Analysis Set Details

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

D3 - | Base + Com Dev | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	10.58	B

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	10.58	B

Arms

Arms

Arm	Name	Description	No give-way line
1	A11 (North)		
2	A1307 (East)		
3	A11 (South)		
4	A1307 (West)		

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	l' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Entry only	Exit only
1	4.50	7.03	12.0	39.0	100.0	10.0		
2	4.10	9.70	91.0	32.0	170.0	13.0		
3	6.60	8.84	46.0	40.0	100.0	24.0		
4	7.35	10.37	24.0	34.0	170.0	3.5		

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	818	✓	45.00
2	841	✓	110.00
3	1201	✓	35.00
4	611	✓	110.00

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1	0.932	2573
2	1.133	3305
3	1.007	3222
4	1.291	3697

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

Lane Simulation: Arm options

Arm	Lane capacity source	Traffic considering secondary lanes (%)
1	Evenly split	10.00
2	Evenly split	10.00
3	Evenly split	10.00
4	Evenly split	10.00

Lanes

Arm	Side	Lane level	Lane	Destination arms	Has limited storage	Storage (PCU)	Has bottleneck	Has obstruction	Minimum capacity (PCU/hr)	Maximum capacity (PCU/hr)	Signalised
1	Entry	1	1	2, 3	✓	3.00			0	99999	
			2	1, 2, 4	✓	3.00			0	99999	
	Exit	1	1	(1, 2, 3, 4)		Infinity					
			1	1		Infinity					
2	Entry	1	1	3, 4	✓	3.00			0	99999	
			2	1, 2	✓	3.00			0	99999	
	Exit	1	1	(1, 2, 3, 4)		Infinity					
			1	1		Infinity					
3	Entry	1	1	1, 2, 4	✓	3.00			0	99999	
			2	2, 3	✓	3.00			0	99999	
	Exit	1	1	(1, 2, 3, 4)		Infinity					
			1	1		Infinity					
4	Entry	1	1	1, 2	✓	3.00			0	99999	
			2	2, 3, 4	✓	3.00			0	99999	
	Exit	1	1	(1, 2, 3, 4)		Infinity					
			1	1		Infinity					

Entry Lane slope and intercept

Arm	Side	Lane level	Lane	Final slope	Final intercept (PCU/hr)
1	Entry	1	1	0.466	1287
			2	0.466	1287
2	Entry	1	1	0.567	1653
			2	0.567	1653
3	Entry	1	1	0.504	1611
			2	0.504	1611
4	Entry	1	1	0.646	1848
			2	0.646	1848

Summary of Entry Lane allowed movements

Arm	Lane Level	Lane	Destination arm			
			1	2	3	4
1	1	1		✓	✓	
		2	✓	✓		✓
	2	1	✓	✓	✓	✓
2	1	1			✓	✓
		2	✓	✓		
	2	1	✓	✓	✓	✓
3	1	1	✓	✓		✓
		2		✓	✓	
	2	1	✓	✓	✓	✓
4	1	1	✓	✓		
		2		✓	✓	✓
	2	1	✓	✓	✓	✓

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	Base + Com Dev	AM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	735	100.000
2		ONE HOUR	✓	916	100.000
3		ONE HOUR	✓	773	100.000
4		ONE HOUR	✓	422	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1	2	3	4
From	1	3	247	3	482
	2	139	0	349	428
	3	4	280	72	417
	4	81	159	182	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

Heavy Vehicle %

		To			
		1	2	3	4
From	1	0	11	0	2
	2	21	0	13	2
	3	25	12	1	4
	4	4	5	4	0

Cyclist %

		To			
		1	2	3	4
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	11.38	3.1	10.1	B	706	1058
2	15.74	4.7	16.1	C	911	1366
3	7.77	2.5	7.2	A	759	1138
4	2.97	0.5	2.0	A	410	615

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	575	144	573	579	573	200	0.0	0.6	5.378	A
2	754	189	568	754	750	585	0.0	1.0	4.971	A
3	616	154	817	621	613	505	0.0	0.7	4.074	A
4	339	85	434	339	332	1004	0.0	0.2	2.540	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	689	172	682	688	683	222	0.6	1.2	6.835	A
2	885	221	683	885	893	686	1.0	2.0	7.138	A
3	760	190	971	758	744	597	0.7	1.2	5.257	A
4	395	99	509	394	401	1220	0.2	0.4	2.761	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	844	211	826	839	847	274	1.2	3.0	10.989	B
2	1066	267	834	1074	1085	831	2.0	4.6	14.070	B
3	917	229	1179	913	908	728	1.2	2.5	7.288	A
4	485	121	615	485	481	1477	0.4	0.5	2.973	A

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	847	212	809	848	847	293	3.0	3.1	11.382	B
2	1087	272	849	1097	1083	808	4.6	4.7	15.737	C
3	903	226	1223	896	903	722	2.5	2.5	7.769	A
4	499	125	606	497	494	1514	0.5	0.5	2.963	A

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	692	173	668	689	700	236	3.1	1.5	7.788	A
2	908	227	690	905	914	667	4.7	2.0	7.958	A
3	734	184	985	735	745	610	2.5	1.0	5.735	A
4	403	101	502	402	399	1218	0.5	0.3	2.768	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	587	147	567	585	585	198	1.5	1.1	5.578	A
2	765	191	591	759	751	562	2.0	1.5	5.524	A
3	621	155	837	621	613	513	1.0	0.6	4.307	A
4	338	85	428	338	327	1030	0.3	0.2	2.596	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.60	0.00	0.00	1.23	3.00
2	0.96	0.00	0.00	1.95	2.84
3	0.67	0.00	0.00	1.68	2.55
4	0.24	0.00	0.00	0.60	0.94

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.18	0.00	0.22	2.85	4.05
2	1.97	0.00	0.63	4.80	6.73
3	1.20	0.00	0.21	2.62	3.07
4	0.39	0.00	0.00	0.82	1.05

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	3.04	0.00	1.44	7.48	9.40
2	4.63	0.00	2.00	12.10	16.07
3	2.48	0.00	1.31	4.94	6.60
4	0.52	0.00	0.00	1.40	1.84

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	3.11	0.00	1.67	7.10	10.07
2	4.69	0.00	2.67	12.13	13.73
3	2.47	0.00	0.93	5.47	7.20
4	0.46	0.00	0.00	0.97	1.70

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.50	0.00	0.54	2.95	5.07
2	1.98	0.00	0.95	4.47	5.64
3	1.00	0.00	0.11	1.90	3.73
4	0.33	0.00	0.00	0.86	2.00

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.09	0.00	0.00	2.35	5.20
2	1.48	0.00	0.35	3.77	4.80
3	0.60	0.00	0.00	1.34	2.10
4	0.23	0.00	0.00	0.53	0.93

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	139	1019	0.137	140	133	0.0	0.1	4.086	A
			2	1, 2, 4	436	1019	0.428	440	440	0.0	0.5	5.268	A
	Exit	1	1	(1, 2, 3, 4)	575			575	575	0.0	0.0	0.369	A
			1	1		200			200	197	0.0	0.0	0.000
2	Entry	1	1	3, 4	625	1331	0.470	625	624	0.0	0.6	4.473	A
			2	1, 2	129	1331	0.097	129	126	0.0	0.2	3.572	A
	Exit	1	1	(1, 2, 3, 4)	754			754	753	0.0	0.2	0.631	A
			1	1		585			585	565	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	421	1200	0.350	424	418	0.0	0.4	4.121	A
			2	2, 3	197	1200	0.164	197	195	0.0	0.2	3.465	A
	Exit	1	1	(1, 2, 3, 4)	616			617	616	0.0	0.0	0.157	A
			1	1		505			505	497	0.0	0.0	0.000
4	Entry	1	1	1, 2	132	1568	0.084	132	131	0.0	0.1	2.474	A
			2	2, 3, 4	207	1568	0.132	207	201	0.0	0.2	2.575	A
	Exit	1	1	(1, 2, 3, 4)	339			339	333	0.0	0.0	0.005	A
			1	1		1004			1004	1010	0.0	0.0	0.000

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	174	969	0.180	174	172	0.1	0.2	4.411	A
			2	1, 2, 4	514	969	0.531	515	510	0.5	0.8	6.377	A
	Exit	1	1	(1, 2, 3, 4)	689			688	685	0.0	0.1	0.926	A
2	Entry	1	1	3, 4	744	1265	0.588	744	744	0.6	1.2	5.590	A
			2	1, 2	141	1265	0.112	140	149	0.2	0.2	4.027	A
	Exit	1	1	(1, 2, 3, 4)	885			886	896	0.2	0.5	1.782	A
3	Entry	1	1	1, 2, 4	511	1122	0.455	510	499	0.4	0.8	5.109	A
			2	2, 3	249	1122	0.221	248	245	0.2	0.3	3.962	A
	Exit	1	1	(1, 2, 3, 4)	760			759	746	0.0	0.1	0.518	A
4	Entry	1	1	1, 2	154	1519	0.102	154	158	0.1	0.1	2.690	A
			2	2, 3, 4	240	1519	0.158	240	242	0.2	0.3	2.783	A
	Exit	1	1	(1, 2, 3, 4)	395			395	401	0.0	0.0	0.015	A
	Exit	1	1		1220			1220	1213	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	223	901	0.247	224	229	0.2	0.3	5.219	A
			2	1, 2, 4	615	901	0.682	615	619	0.8	1.6	8.206	A
	Exit	1	1	(1, 2, 3, 4)	844			838	851	0.1	1.2	3.530	A
2	Entry	1	1	3, 4	892	1180	0.756	895	900	1.2	1.8	7.091	A
			2	1, 2	176	1180	0.149	179	186	0.2	0.1	4.603	A
	Exit	1	1	(1, 2, 3, 4)	1066			1069	1087	0.5	2.7	7.342	A
3	Entry	1	1	1, 2, 4	605	1017	0.595	604	601	0.8	1.3	6.445	A
			2	2, 3	308	1017	0.303	309	307	0.3	0.5	4.829	A
	Exit	1	1	(1, 2, 3, 4)	917			913	911	0.1	0.6	1.373	A
4	Entry	1	1	1, 2	183	1451	0.126	183	188	0.1	0.2	2.867	A
			2	2, 3, 4	302	1451	0.208	302	293	0.3	0.4	3.010	A
	Exit	1	1	(1, 2, 3, 4)	485			486	481	0.0	0.0	0.019	A
	Exit	1	1		1477			1477	1492	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	224	909	0.246	221	227	0.3	0.6	5.589	A
			2	1, 2, 4	626	909	0.689	627	620	1.6	1.6	8.460	A
	Exit	1	1	(1, 2, 3, 4)	847			850	848	1.2	0.9	3.652	A
2	Entry	1	1	3, 4	903	1172	0.771	903	899	1.8	2.0	7.411	A
			2	1, 2	194	1172	0.166	193	184	0.1	0.3	4.491	A
	Exit	1	1	(1, 2, 3, 4)	1087			1097	1084	2.7	2.4	8.775	A
3	Entry	1	1	1, 2, 4	604	995	0.608	602	599	1.3	1.3	6.728	A
			2	2, 3	297	995	0.298	294	303	0.5	0.6	4.957	A
	Exit	1	1	(1, 2, 3, 4)	903			901	903	0.6	0.6	1.627	A
4	Entry	1	1	1, 2	191	1457	0.131	191	195	0.2	0.2	2.747	A
			2	2, 3, 4	307	1457	0.211	307	298	0.4	0.3	3.050	A
	Exit	1	1	(1, 2, 3, 4)	499			499	493	0.0	0.0	0.033	A
	Exit	1	1		1514			1514	1492	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	170	975	0.175	170	176	0.6	0.3	4.640	A
			2	1, 2, 4	521	975	0.534	519	524	1.6	1.1	7.089	A
	Exit	1	1	(1, 2, 3, 4)	692			691	696	0.9	0.2	1.308	A
			1	1		236			236	239	0.0	0.0	0.000
2	Entry	1	1	3, 4	754	1262	0.598	751	758	2.0	1.3	5.886	A
			2	1, 2	155	1262	0.123	154	156	0.3	0.2	3.950	A
	Exit	1	1	(1, 2, 3, 4)	908			909	911	2.4	0.4	2.395	A
			1	1		667			667	679	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	495	1115	0.444	495	503	1.3	0.7	5.464	A
			2	2, 3	239	1115	0.214	240	242	0.6	0.3	4.248	A
	Exit	1	1	(1, 2, 3, 4)	734			734	741	0.6	0.1	0.664	A
			1	1		610			610	602	0.0	0.0	0.000
4	Entry	1	1	1, 2	158	1524	0.104	158	155	0.2	0.2	2.668	A
			2	2, 3, 4	245	1524	0.161	244	244	0.3	0.2	2.809	A
	Exit	1	1	(1, 2, 3, 4)	403			403	398	0.0	0.0	0.015	A
			1	1		1218			1218	1237	0.0	0.0	0.000

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	137	1022	0.134	138	136	0.3	0.1	4.207	A
			2	1, 2, 4	449	1022	0.439	448	448	1.1	0.8	5.397	A
	Exit	1	1	(1, 2, 3, 4)	587			585	583	0.2	0.2	0.452	A
			1	1		198			198	194	0.0	0.0	0.000
2	Entry	1	1	3, 4	633	1318	0.480	629	625	1.3	1.0	4.823	A
			2	1, 2	129	1318	0.098	129	126	0.2	0.1	3.773	A
	Exit	1	1	(1, 2, 3, 4)	765			762	749	0.4	0.3	0.872	A
			1	1		562			562	561	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	424	1190	0.356	423	420	0.7	0.4	4.318	A
			2	2, 3	198	1190	0.166	198	193	0.3	0.2	3.597	A
	Exit	1	1	(1, 2, 3, 4)	621			621	612	0.1	0.0	0.212	A
			1	1		513			513	497	0.0	0.0	0.000
4	Entry	1	1	1, 2	130	1572	0.082	130	128	0.2	0.1	2.507	A
			2	2, 3, 4	208	1572	0.133	208	199	0.2	0.2	2.652	A
	Exit	1	1	(1, 2, 3, 4)	338			338	327	0.0	0.0	0.001	A
			1	1		1030			1030	1025	0.0	0.0	0.000

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.15	0.00	0.00	0.18	0.78
			2	0.46	0.00	0.00	0.90	1.55
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	1	0.00	0.00	0.00	0.00
2	Entry	1	1	0.57	0.00	0.00	1.44	1.92
			2	0.19	0.00	0.00	0.23	1.07
	Exit	1	1	0.20	0.00	0.00	0.00	0.20
			1	1	0.00	0.00	0.00	0.00
3	Entry	1	1	0.43	0.00	0.00	0.93	1.64
			2	0.20	0.00	0.00	0.49	2.00
	Exit	1	1	0.04	0.00	0.00	0.00	0.00
			1	1	0.00	0.00	0.00	0.00
4	Entry	1	1	0.08	0.00	0.00	0.00	0.24
			2	0.16	0.00	0.00	0.27	0.80
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	1	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.24	0.00	0.00	0.71	2.00
			2	0.82	0.00	0.04	1.84	3.00
	Exit	1	1	0.11	0.00	0.00	0.00	0.10
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	1.21	0.00	0.41	3.00	3.00
			2	0.22	0.00	0.00	0.54	1.05
	Exit	1	1	0.54	0.00	0.00	1.48	3.40
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.78	0.00	0.00	1.89	3.00
			2	0.27	0.00	0.00	0.71	2.00
	Exit	1	1	0.15	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.14	0.00	0.00	0.22	0.65
			2	0.25	0.00	0.00	0.62	0.86
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.30	0.00	0.00	0.79	2.00
			2	1.56	0.00	0.95	3.00	3.00
	Exit	1	1	1.18	0.00	0.00	4.35	6.20
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	1.76	0.00	1.60	2.82	2.93
			2	0.15	0.00	0.00	0.00	0.80
	Exit	1	1	2.72	0.00	0.00	9.10	12.40
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	1.33	0.00	0.70	2.61	2.83
			2	0.51	0.00	0.00	1.42	1.78
	Exit	1	1	0.64	0.00	0.00	1.88	2.84
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.17	0.00	0.00	0.34	0.82
			2	0.35	0.00	0.00	0.90	1.53
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.57	0.00	0.00	1.73	3.00
			2	1.59	0.00	1.10	2.70	2.87
	Exit	1	1	0.95	0.00	0.00	3.20	6.20
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	2.01	0.00	2.02	2.84	2.94
			2	0.25	0.00	0.00	0.63	0.95
	Exit	1	1	2.43	0.00	0.00	7.80	10.60
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	1.29	0.00	0.58	3.00	3.00
			2	0.59	0.00	0.00	1.34	1.82
	Exit	1	1	0.59	0.00	0.00	1.47	4.20
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.17	0.00	0.00	0.20	0.89
			2	0.27	0.00	0.00	0.63	0.95
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.25	0.00	0.00	0.71	1.37
			2	1.05	0.00	0.30	3.00	3.00
	Exit	1	1	0.20	0.00	0.00	0.00	1.07
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	1.31	0.00	0.67	2.62	2.86
			2	0.24	0.00	0.00	0.73	1.46
	Exit	1	1	0.41	0.00	0.00	1.13	2.55
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.69	0.00	0.00	1.72	2.24
			2	0.25	0.00	0.00	0.74	2.00
	Exit	1	1	0.06	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.16	0.00	0.00	0.27	0.80
			2	0.18	0.00	0.00	0.43	0.75
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.11	0.00	0.00	0.00	0.60
			2	0.76	0.00	0.00	3.00	3.00
	Exit	1	1	0.22	0.00	0.00	0.00	1.20
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	1.02	0.00	0.00	2.49	2.86
			2	0.14	0.00	0.00	0.00	2.00
	Exit	1	1	0.33	0.00	0.00	0.88	2.05
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.41	0.00	0.00	0.97	1.60
			2	0.19	0.00	0.00	0.40	0.84
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.06	0.00	0.00	0.00	0.05
			2	0.17	0.00	0.00	0.34	0.82
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	137	34	1285	1019	0.134	137	131	0.0	0.1	4.078	A
				3	3	0.69	482	397	0.007	3	2	0.0	0.0	4.631	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.59	629	522	0.005	2	3	0.0	0.0	5.743	A
				2	75	19	1285	1017	0.073	75	73	0.0	0.1	4.094	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	359	90	1285	1019	0.353	362	365	0.0	0.4	5.479	A
		2	1	1	2	0.59	-	-	-	2	3	0.0	0.0	0.758	A
				2	211	53	-	-	-	211	205	0.0	0.0	0.244	A
				3	3	0.69	-	-	-	3	2	0.0	0.0	0.278	A
				4	359	90	-	-	-	359	366	0.0	0.0	0.430	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	302	76	1653	1330	0.227	302	296	0.0	0.3	4.613	A
				4	323	81	1653	1332	0.242	323	328	0.0	0.3	4.359	A
			2	1	129	32	1653	1334	0.096	129	126	0.0	0.2	3.572	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	129	32	-	-	-	129	127	0.0	0.1	0.531	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	303	76	-	-	-	302	298	0.0	0.0	0.700	A
				4	323	81	-	-	-	323	329	0.0	0.1	0.607	A
3	Entry	1	1	1	4	0.91	857	664	0.005	4	3	0.0	0.0	5.063	A
				2	101	25	1612	1199	0.085	101	97	0.0	0.1	3.558	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	315	79	1612	1201	0.262	319	317	0.0	0.3	4.273	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	140	35	1612	1200	0.117	141	140	0.0	0.2	3.524	A
				3	56	14	1612	1199	0.047	57	56	0.0	0.0	3.329	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	0.91	-	-	-	4	3	0.0	0.0	0.162	A
				2	242	60	-	-	-	242	238	0.0	0.0	0.099	A
				3	56	14	-	-	-	56	56	0.0	0.0	0.107	A
				4	315	79	-	-	-	315	319	0.0	0.0	0.206	A
4	Entry	1	1	1	65	16	1847	1574	0.041	65	65	0.0	0.0	2.521	A
				2	67	17	1847	1571	0.043	67	66	0.0	0.0	2.427	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	63	16	1847	1570	0.040	63	58	0.0	0.0	2.440	A
				3	145	36	1847	1570	0.092	144	143	0.0	0.1	2.629	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	65	16	-	-	-	65	65	0.0	0.0	0.002	A
				2	130	33	-	-	-	130	124	0.0	0.0	0.000	A
				3	145	36	-	-	-	145	144	0.0	0.0	0.011	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	172	43	1285	967	0.177	171	170	0.1	0.2	4.384	A
				3	3	0.75	602	454	0.007	3	3	0.0	0.0	5.977	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	3	0.63	683	519	0.005	3	3	0.0	0.0	8.369	A
				2	76	19	1285	967	0.078	75	75	0.1	0.2	4.747	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	436	109	1285	967	0.451	437	433	0.4	0.7	6.622	A
		2	1	1	3	0.63	-	-	-	3	3	0.0	0.0	1.198	A
				2	247	62	-	-	-	247	245	0.0	0.0	0.707	A
				3	3	0.75	-	-	-	3	3	0.0	0.0	0.922	A
				4	437	109	-	-	-	436	434	0.0	0.1	1.037	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	354	89	1653	1266	0.280	354	351	0.3	0.7	5.749	A
				4	390	97	1653	1266	0.308	390	394	0.3	0.5	5.462	A
			2	1	141	35	1653	1268	0.112	140	149	0.2	0.2	4.027	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	142	35	-	-	-	141	149	0.1	0.1	1.497	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	354	88	-	-	-	354	352	0.0	0.2	1.842	A
				4	390	97	-	-	-	390	395	0.1	0.2	1.824	A
3	Entry	1	1	1	6	2	957	673	0.009	6	5	0.0	0.0	5.696	A
				2	113	28	1612	1123	0.100	112	108	0.1	0.2	3.997	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	392	98	1612	1122	0.349	392	387	0.3	0.6	5.390	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	179	45	1612	1120	0.160	179	177	0.2	0.2	3.932	A
				3	69	17	1612	1118	0.062	69	68	0.0	0.1	4.032	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	6	2	-	-	-	6	5	0.0	0.0	1.068	A
				2	293	73	-	-	-	292	285	0.0	0.1	0.353	A
				3	70	17	-	-	-	69	68	0.0	0.0	0.468	A
				4	392	98	-	-	-	392	388	0.0	0.1	0.634	A
4	Entry	1	1	1	73	18	1847	1515	0.048	73	76	0.0	0.1	2.791	A
				2	82	20	1847	1514	0.054	82	82	0.0	0.1	2.595	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	70	17	1847	1514	0.046	69	70	0.0	0.1	2.504	A
				3	171	43	1847	1516	0.113	171	172	0.1	0.1	2.897	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	73	18	-	-	-	73	76	0.0	0.0	0.013	A
				2	151	38	-	-	-	151	153	0.0	0.0	0.004	A
				3	171	43	-	-	-	171	172	0.0	0.0	0.025	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	220	55	1285	902	0.244	220	226	0.2	0.3	5.199	A
				3	3	0.75	656	468	0.006	3	3	0.0	0.0	6.520	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	4	1	817	581	0.007	4	4	0.0	0.0	8.659	A
				2	78	19	1285	907	0.085	78	80	0.2	0.1	5.548	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	533	133	1285	902	0.591	533	534	0.7	1.5	8.565	A
		2	1	1	4	1	-	-	-	4	4	0.0	0.0	4.535	A
				2	300	75	-	-	-	297	306	0.0	0.4	3.011	A
				3	3	0.78	-	-	-	3	3	0.0	0.0	3.072	A
				4	537	134	-	-	-	533	538	0.1	0.8	3.796	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	431	108	1653	1182	0.365	432	423	0.7	0.9	7.264	A
				4	461	115	1653	1183	0.390	462	477	0.5	0.9	6.954	A
			2	1	176	44	1653	1182	0.149	179	186	0.2	0.1	4.603	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	176	44	-	-	-	176	186	0.1	0.5	6.810	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	432	108	-	-	-	431	423	0.2	1.1	7.715	A
				4	458	115	-	-	-	461	478	0.2	1.1	7.217	A
3	Entry	1	1	1	5	1	1159	732	0.007	5	6	0.0	0.0	7.696	A
				2	117	29	1612	1012	0.115	118	115	0.2	0.1	5.046	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	484	121	1612	1015	0.476	481	480	0.6	1.2	6.745	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	230	57	1612	1012	0.227	230	229	0.2	0.4	4.775	A
				3	79	20	1612	1015	0.078	79	78	0.1	0.1	4.971	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	6	0.0	0.0	0.920	A
				2	349	87	-	-	-	346	344	0.1	0.3	1.144	A
				3	79	20	-	-	-	79	79	0.0	0.1	1.242	A
				4	485	121	-	-	-	484	483	0.1	0.3	1.552	A
4	Entry	1	1	1	86	22	1847	1448	0.060	86	93	0.1	0.1	2.994	A
				2	97	24	1847	1447	0.067	97	94	0.1	0.1	2.740	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	87	22	1847	1445	0.060	88	86	0.1	0.0	2.676	A
				3	215	54	1847	1451	0.148	214	208	0.1	0.3	3.146	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	86	22	-	-	-	86	93	0.0	0.0	0.010	A
				2	184	46	-	-	-	184	180	0.0	0.0	0.017	A
				3	215	54	-	-	-	215	208	0.0	0.0	0.025	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	220	55	1285	908	0.243	218	223	0.3	0.6	5.587	A
				3	3	0.75	696	495	0.006	3	3	0.0	0.0	5.760	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.56	589	412	0.005	2	3	0.0	0.0	9.167	A
				2	73	18	1285	907	0.080	73	77	0.1	0.2	6.033	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	552	138	1285	910	0.606	551	541	1.5	1.4	8.775	A
		2	1	1	2	0.53	-	-	-	2	3	0.0	0.0	6.722	A
				2	292	73	-	-	-	293	302	0.4	0.3	3.100	A
				3	3	0.75	-	-	-	3	3	0.0	0.0	3.320	A
				4	550	137	-	-	-	552	541	0.8	0.7	3.922	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	426	106	1653	1173	0.363	427	425	0.9	0.9	7.559	A
				4	477	119	1653	1170	0.408	476	474	0.9	1.1	7.292	A
			2	1	194	49	1653	1174	0.165	193	184	0.1	0.3	4.491	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	195	49	-	-	-	194	184	0.5	0.3	8.150	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	421	105	-	-	-	426	425	1.1	1.0	8.762	A
				4	471	118	-	-	-	477	475	1.1	1.1	8.990	A
3	Entry	1	1	1	4	1	991	626	0.007	4	5	0.0	0.0	8.063	A
				2	114	29	1612	1002	0.114	112	117	0.1	0.3	5.120	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	486	122	1612	995	0.489	486	477	1.2	1.0	7.082	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	221	55	1612	997	0.222	219	226	0.4	0.5	4.927	A
				3	76	19	1612	1003	0.075	75	78	0.1	0.1	5.038	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	1	-	-	-	4	5	0.0	0.0	2.082	A
				2	337	84	-	-	-	335	344	0.3	0.2	1.354	A
				3	76	19	-	-	-	76	78	0.1	0.1	1.456	A
				4	486	122	-	-	-	486	477	0.3	0.3	1.833	A
4	Entry	1	1	1	94	24	1847	1460	0.065	94	96	0.1	0.1	2.841	A
				2	97	24	1847	1458	0.067	97	99	0.1	0.1	2.655	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	90	23	1847	1457	0.062	90	86	0.0	0.1	2.720	A
				3	217	54	1847	1457	0.149	217	213	0.3	0.2	3.182	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	94	24	-	-	-	94	96	0.0	0.0	0.017	A
				2	187	47	-	-	-	187	185	0.0	0.0	0.024	A
				3	217	54	-	-	-	217	212	0.0	0.0	0.048	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	168	42	1285	976	0.172	168	173	0.6	0.3	4.634	A
				3	2	0.56	656	494	0.005	2	3	0.0	0.0	4.998	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	3	0.75	589	444	0.007	3	3	0.0	0.0	7.112	A
				2	75	19	1285	973	0.077	75	76	0.2	0.1	5.120	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	442	111	1285	975	0.454	440	446	1.4	0.9	7.393	A
		2	1	1	3	0.72	-	-	-	3	3	0.0	0.0	0.940	A
				2	244	61	-	-	-	243	247	0.3	0.0	0.989	A
				3	2	0.56	-	-	-	2	3	0.0	0.0	1.781	A
				4	443	111	-	-	-	442	444	0.7	0.2	1.471	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	366	91	1653	1267	0.289	363	360	0.9	0.7	6.024	A
				4	389	97	1653	1264	0.308	388	397	1.1	0.6	5.772	A
			2	1	155	39	1653	1263	0.123	154	156	0.3	0.2	3.950	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	155	39	-	-	-	155	156	0.3	0.1	2.116	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	365	91	-	-	-	366	360	1.0	0.2	2.435	A
				4	388	97	-	-	-	389	395	1.1	0.2	2.454	A
3	Entry	1	1	1	5	1	991	677	0.008	5	5	0.0	0.0	6.719	A
				2	101	25	1612	1117	0.090	101	105	0.3	0.1	4.429	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	389	97	1612	1117	0.349	389	393	1.0	0.6	5.704	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	171	43	1612	1116	0.154	172	176	0.5	0.2	4.231	A
				3	68	17	1612	1114	0.061	68	66	0.1	0.0	4.288	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	5	0.0	0.0	0.645	A
				2	272	68	-	-	-	272	279	0.2	0.0	0.506	A
				3	68	17	-	-	-	68	66	0.1	0.0	0.617	A
				4	390	97	-	-	-	389	392	0.3	0.1	0.777	A
4	Entry	1	1	1	74	19	1847	1521	0.049	74	75	0.1	0.1	2.733	A
				2	84	21	1847	1520	0.055	84	80	0.1	0.1	2.606	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	68	17	1847	1518	0.045	68	70	0.1	0.1	2.620	A
				3	177	44	1847	1524	0.116	177	174	0.2	0.1	2.883	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	74	19	-	-	-	74	75	0.0	0.0	0.031	A
				2	152	38	-	-	-	152	150	0.0	0.0	0.006	A
				3	177	44	-	-	-	177	173	0.0	0.0	0.015	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	135	34	1285	1025	0.131	136	135	0.3	0.1	4.202	A
				3	2	0.56	388	312	0.007	2	2	0.0	0.0	4.567	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.56	602	480	0.005	2	2	0.0	0.0	4.804	A
				2	69	17	1285	1025	0.067	69	73	0.1	0.0	4.185	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	377	94	1285	1024	0.369	376	373	0.9	0.7	5.617	A
		2	1	1	2	0.56	-	-	-	2	2	0.0	0.0	0.482	A
				2	204	51	-	-	-	204	207	0.0	0.0	0.351	A
				3	2	0.56	-	-	-	2	2	0.0	0.0	0.426	A
				4	379	95	-	-	-	377	372	0.2	0.2	0.504	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	302	75	1653	1320	0.229	300	296	0.7	0.4	5.013	A
				4	331	83	1653	1322	0.250	329	329	0.6	0.6	4.668	A
			2	1	129	32	1653	1326	0.098	129	126	0.2	0.1	3.773	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	129	32	-	-	-	129	126	0.1	0.0	0.685	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	303	76	-	-	-	302	295	0.2	0.1	0.923	A
				4	332	83	-	-	-	331	329	0.2	0.2	0.891	A
3	Entry	1	1	1	4	0.91	806	598	0.006	3	3	0.0	0.0	5.292	A
				2	96	24	1612	1190	0.080	95	94	0.1	0.1	3.592	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	324	81	1612	1193	0.272	325	323	0.6	0.3	4.506	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	134	33	1612	1195	0.112	134	137	0.2	0.1	3.607	A
				3	64	16	1612	1190	0.054	64	56	0.0	0.1	3.575	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	0.91	-	-	-	4	3	0.0	0.0	0.169	A
				2	230	57	-	-	-	230	231	0.0	0.0	0.127	A
				3	64	16	-	-	-	64	56	0.0	0.0	0.141	A
				4	324	81	-	-	-	324	321	0.1	0.0	0.282	A
4	Entry	1	1	1	63	16	1847	1573	0.040	63	61	0.1	0.0	2.616	A
				2	67	17	1847	1573	0.042	67	67	0.1	0.0	2.406	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	61	15	1847	1575	0.039	61	55	0.1	0.1	2.343	A
				3	147	37	1847	1575	0.093	147	144	0.1	0.1	2.771	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	63	16	-	-	-	63	61	0.0	0.0	0.001	A
				2	128	32	-	-	-	128	122	0.0	0.0	0.000	A
				3	147	37	-	-	-	147	144	0.0	0.0	0.002	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D4 - | Base + Com Dev | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	5.14	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.14	A

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	1570	✓	45.00
2	571	✓	110.00
3	615	✓	35.00
4	950	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	Base + Com Dev	PM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	246	100.000
2		ONE HOUR	✓	645	100.000
3		ONE HOUR	✓	851	100.000
4		ONE HOUR	✓	1180	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1	2	3	4
From	1	11	128	2	105
	2	228	0	218	199
	3	2	576	12	261
	4	376	424	380	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

Heavy Vehicle %

		To			
		1	2	3	4
From	1	0	5	0	1
	2	4	0	11	2
	3	0	4	0	3
	4	1	1	1	0

Cyclist %

		To			
		1	2	3	4
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	8.34	0.7	2.0	A	230	345
2	4.46	1.2	4.4	A	624	936
3	3.84	1.3	4.0	A	799	1198
4	5.82	3.1	9.8	A	1086	1630

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	200	50	1050	200	190	468	0.0	0.2	4.698	A
2	532	133	384	533	513	865	0.0	0.4	3.263	A
3	652	163	438	649	650	478	0.0	0.7	2.942	A
4	872	218	642	875	889	444	0.0	0.7	3.243	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	223	56	1263	225	226	553	0.2	0.3	5.779	A
2	592	148	447	591	603	1042	0.4	0.5	3.499	A
3	797	199	479	798	788	560	0.7	0.7	3.155	A
4	1045	261	770	1045	1066	506	0.7	0.9	3.951	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	268	67	1554	268	281	699	0.3	0.5	7.392	A
2	724	181	570	727	740	1251	0.5	0.9	4.231	A
3	954	239	603	958	962	694	0.7	0.9	3.837	A
4	1330	333	938	1315	1312	624	0.9	3.1	5.802	A

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	267	67	1586	267	271	707	0.5	0.7	8.343	A
2	768	192	571	766	756	1281	0.9	1.1	4.456	A
3	970	242	626	967	970	710	0.9	1.3	3.828	A
4	1339	335	962	1331	1301	631	3.1	2.6	5.824	A

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	234	59	1249	234	236	534	0.7	0.3	6.136	A
2	618	154	447	611	614	1036	1.1	1.2	3.863	A
3	778	194	511	777	792	547	1.3	0.7	3.366	A
4	1040	260	749	1033	1053	539	2.6	1.6	3.987	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	186	47	1048	186	186	474	0.3	0.3	5.339	A
2	511	128	393	512	521	841	1.2	0.3	3.367	A
3	643	161	413	649	665	492	0.7	0.5	2.996	A
4	891	223	631	891	900	431	1.6	0.8	3.555	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.20	0.00	0.00	0.50	0.82
2	0.38	0.00	0.00	0.94	1.58
3	0.71	0.00	0.00	1.56	1.84
4	0.67	0.00	0.00	1.70	3.00

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.27	0.00	0.00	0.65	0.88
2	0.47	0.00	0.00	2.00	2.00
3	0.71	0.00	0.00	1.63	4.00
4	0.87	0.00	0.11	1.92	2.58

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.47	0.00	0.00	0.96	2.00
2	0.87	0.00	0.00	2.38	4.00
3	0.93	0.00	0.17	1.88	3.00
4	3.07	0.00	1.50	5.88	9.75

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.67	0.00	0.00	1.42	1.79
2	1.07	0.00	0.22	2.17	2.75
3	1.29	0.00	0.43	2.58	2.75
4	2.62	0.00	1.31	6.50	9.38

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.29	0.00	0.00	0.72	2.00
2	1.16	0.00	0.00	3.50	4.38
3	0.71	0.00	0.00	1.75	2.75
4	1.62	0.00	0.65	3.50	6.00

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.27	0.00	0.00	0.69	2.00
2	0.33	0.00	0.00	0.92	1.58
3	0.47	0.00	0.00	0.84	0.75
4	0.80	0.00	0.00	1.92	2.58

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	62	787	0.079	62	56	0.0	0.1	4.427	A
			2	1, 2, 4	137	787	0.174	138	133	0.0	0.1	4.811	A
	Exit	1	1	(1, 2, 3, 4)	200			200	190	0.0	0.0	0.001	A
			1	1		468			468	472	0.0	0.0	0.000
2	Entry	1	1	3, 4	348	1453	0.239	347	334	0.0	0.3	3.322	A
			2	1, 2	184	1453	0.127	186	179	0.0	0.1	2.892	A
	Exit	1	1	(1, 2, 3, 4)	532			532	514	0.0	0.0	0.093	A
			1	1		865			865	866	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	402	1429	0.281	399	394	0.0	0.4	3.069	A
			2	2, 3	250	1429	0.175	250	256	0.0	0.3	2.666	A
	Exit	1	1	(1, 2, 3, 4)	652			652	652	0.0	0.0	0.031	A
			1	1		478			478	480	0.0	0.0	0.000
4	Entry	1	1	1, 2	438	1423	0.308	440	443	0.0	0.4	3.206	A
			2	2, 3, 4	435	1423	0.306	435	445	0.0	0.3	3.111	A
	Exit	1	1	(1, 2, 3, 4)	872			873	891	0.0	0.0	0.085	A
			1	1		444			444	423	0.0	0.0	0.000

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	67	704	0.095	68	68	0.1	0.1	5.394	A
			2	1, 2, 4	156	704	0.222	158	159	0.1	0.2	5.919	A
	Exit	1	1	(1, 2, 3, 4)	223			223	226	0.0	0.0	0.012	A
2	Entry	1	1	3, 4	390	1416	0.275	389	392	0.3	0.4	3.541	A
			2	1, 2	202	1416	0.143	202	211	0.1	0.1	3.100	A
	Exit	1	1	(1, 2, 3, 4)	592			592	603	0.0	0.0	0.114	A
3	Entry	1	1	1, 2, 4	481	1406	0.342	481	481	0.4	0.5	3.285	A
			2	2, 3	315	1406	0.224	317	307	0.3	0.2	2.838	A
	Exit	1	1	(1, 2, 3, 4)	797			796	788	0.0	0.0	0.045	A
4	Entry	1	1	1, 2	523	1346	0.389	522	531	0.4	0.4	3.735	A
			2	2, 3, 4	522	1346	0.388	523	535	0.3	0.4	3.695	A
	Exit	1	1	(1, 2, 3, 4)	1045			1046	1067	0.0	0.0	0.236	A
	Exit	1	1		506			506	512	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	79	590	0.134	79	87	0.1	0.2	6.335	A
			2	1, 2, 4	189	590	0.320	189	194	0.2	0.2	7.694	A
	Exit	1	1	(1, 2, 3, 4)	268			268	282	0.0	0.0	0.114	A
2	Entry	1	1	3, 4	470	1342	0.351	471	475	0.4	0.6	4.182	A
			2	1, 2	256	1342	0.191	256	265	0.1	0.2	3.579	A
	Exit	1	1	(1, 2, 3, 4)	724			726	742	0.0	0.0	0.269	A
3	Entry	1	1	1, 2, 4	566	1335	0.424	567	575	0.5	0.5	3.888	A
			2	2, 3	390	1335	0.292	391	387	0.2	0.4	3.347	A
	Exit	1	1	(1, 2, 3, 4)	954			956	963	0.0	0.0	0.166	A
4	Entry	1	1	1, 2	666	1245	0.535	660	657	0.4	1.2	4.670	A
			2	2, 3, 4	653	1245	0.525	655	655	0.4	0.8	4.748	A
	Exit	1	1	(1, 2, 3, 4)	1330			1319	1316	0.0	1.1	1.084	A
	Exit	1	1		624			624	628	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	86	578	0.148	88	85	0.2	0.1	7.444	A
			2	1, 2, 4	181	578	0.314	179	186	0.2	0.5	8.337	A
	Exit	1	1	(1, 2, 3, 4)	267			267	272	0.0	0.0	0.278	A
2	Entry	1	1	3, 4	488	1341	0.364	489	495	0.6	0.5	4.295	A
			2	1, 2	279	1341	0.208	277	260	0.2	0.4	3.456	A
	Exit	1	1	(1, 2, 3, 4)	768			767	756	0.0	0.2	0.453	A
3	Entry	1	1	1, 2, 4	574	1321	0.435	571	575	0.5	0.8	3.929	A
			2	2, 3	395	1321	0.299	395	395	0.4	0.4	3.309	A
	Exit	1	1	(1, 2, 3, 4)	970			970	971	0.0	0.1	0.149	A
4	Entry	1	1	1, 2	662	1230	0.538	659	646	1.2	1.0	4.707	A
			2	2, 3, 4	677	1230	0.550	672	655	0.8	1.0	4.639	A
	Exit	1	1	(1, 2, 3, 4)	1339			1338	1301	1.1	0.6	1.159	A
	Exit	1	1		631			631	631	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	77	710	0.109	77	76	0.1	0.1	5.529	A
			2	1, 2, 4	157	710	0.221	157	160	0.5	0.2	6.270	A
	Exit	1	1	(1, 2, 3, 4)	234			234	235	0.0	0.0	0.101	A
2	Entry	1	1	3, 4	403	1416	0.285	400	403	0.5	0.7	3.907	A
			2	1, 2	211	1416	0.149	211	212	0.4	0.2	3.046	A
	Exit	1	1	(1, 2, 3, 4)	618			615	615	0.2	0.2	0.260	A
3	Entry	1	1	1, 2, 4	474	1387	0.342	473	485	0.8	0.4	3.435	A
			2	2, 3	304	1387	0.219	304	307	0.4	0.2	3.065	A
	Exit	1	1	(1, 2, 3, 4)	778			778	790	0.1	0.1	0.077	A
4	Entry	1	1	1, 2	522	1358	0.384	514	521	1.0	1.0	3.801	A
			2	2, 3, 4	519	1358	0.382	519	533	1.0	0.6	3.711	A
	Exit	1	1	(1, 2, 3, 4)	1040			1041	1052	0.6	0.0	0.236	A
	Exit	1	1		539			539	528	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	54	788	0.069	54	58	0.1	0.1	5.030	A
			2	1, 2, 4	131	788	0.166	132	129	0.2	0.2	5.454	A
	Exit	1	1	(1, 2, 3, 4)	186			186	186	0.0	0.0	0.014	A
2	Entry	1	1	3, 4	339	1448	0.234	339	347	0.7	0.2	3.459	A
			2	1, 2	173	1448	0.119	173	174	0.2	0.1	2.822	A
	Exit	1	1	(1, 2, 3, 4)	511			511	518	0.2	0.0	0.127	A
3	Entry	1	1	1, 2, 4	401	1443	0.278	405	406	0.4	0.3	3.127	A
			2	2, 3	242	1443	0.168	244	258	0.2	0.2	2.726	A
	Exit	1	1	(1, 2, 3, 4)	643			643	664	0.1	0.0	0.026	A
4	Entry	1	1	1, 2	450	1429	0.315	450	450	1.0	0.4	3.378	A
			2	2, 3, 4	441	1429	0.308	441	451	0.6	0.4	3.522	A
	Exit	1	1	(1, 2, 3, 4)	891			891	897	0.0	0.0	0.103	A
	Exit	1	1		431			431	433	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.11	0.00	0.00	0.00	0.58
			2	0.09	0.00	0.00	0.00	1.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.29	0.00	0.00	0.79	2.00
			2	0.09	0.00	0.00	0.00	0.38
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.44	0.00	0.00	0.96	2.00
			2	0.27	0.00	0.00	0.65	0.88
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.36	0.00	0.00	0.85	2.00
			2	0.31	0.00	0.00	0.92	2.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.09	0.00	0.00	0.00	1.00
			2	0.18	0.00	0.00	0.42	0.79
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.38	0.00	0.00	2.00	2.00
			2	0.09	0.00	0.00	0.00	1.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.47	0.00	0.00	0.88	1.75
			2	0.22	0.00	0.00	0.56	0.84
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.42	0.00	0.00	0.83	2.00
			2	0.44	0.00	0.00	0.88	1.38
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.22	0.00	0.00	1.00	1.00
			2	0.24	0.00	0.00	0.61	0.86
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.62	0.00	0.00	1.75	2.38
			2	0.24	0.00	0.00	0.75	1.58
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.53	0.00	0.00	2.00	2.00
			2	0.40	0.00	0.00	0.81	0.75
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.18	0.00	0.50	3.00	3.00
			2	0.82	0.00	0.00	3.00	3.00
	Exit	1	1	1.07	0.00	0.00	2.50	6.13
			1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.11	0.00	0.00	1.00	1.00
			2	0.53	0.00	0.00	1.30	1.75
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.47	0.00	0.00	1.25	3.00
			2	0.42	0.00	0.00	1.13	1.69
	Exit	1	1	0.18	0.00	0.00	0.00	-0.25
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.76	0.00	0.00	1.75	3.00
			2	0.42	0.00	0.00	0.82	0.75
	Exit	1	1	0.11	0.00	0.00	0.00	-0.50
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.00	0.00	0.05	3.00	3.00
			2	1.04	0.00	0.15	2.50	2.82
	Exit	1	1	0.58	0.00	0.00	1.50	3.50
			1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.07	0.00	0.00	0.00	1.00
			2	0.22	0.00	0.00	0.56	0.84
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.73	0.00	0.00	3.00	3.00
			2	0.20	0.00	0.00	0.50	0.82
	Exit	1	1	0.22	0.00	0.00	0.00	0.50
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.42	0.00	0.00	0.86	3.00
			2	0.22	0.00	0.00	0.58	2.00
	Exit	1	1	0.07	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.02	0.00	0.32	3.00	3.00
			2	0.56	0.00	0.00	1.56	1.84
	Exit	1	1	0.04	0.00	0.00	0.00	1.00
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.09	0.00	0.00	0.00	0.38
			2	0.18	0.00	0.00	0.42	0.79
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.24	0.00	0.00	0.58	0.75
			2	0.09	0.00	0.00	0.00	0.38
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.29	0.00	0.00	0.68	0.89
			2	0.18	0.00	0.00	1.00	1.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.36	0.00	0.00	2.00	2.00
			2	0.42	0.00	0.00	0.95	1.58
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	61	15	1198	782	0.078	61	55	0.0	0.1	4.459	A
				3	1	0.27	266	186	0.006	1	1	0.0	0.0	2.810	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	10	3	1039	703	0.014	10	8	0.0	0.0	4.381	A
			2	50	13	1198	787	0.064	50	49	0.0	0.0	4.567	A	
			3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A	
			4	77	19	1198	781	0.098	77	76	0.0	0.0	5.011	A	
		2	1	1	10	3	-	-	-	10	8	0.0	0.0	0.000	A
				2	112	28	-	-	-	112	105	0.0	0.0	0.000	A
				3	1	0.27	-	-	-	1	1	0.0	0.0	0.000	A
				4	77	19	-	-	-	77	76	0.0	0.0	0.003	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	183	46	1682	1453	0.126	182	182	0.0	0.2	3.414	A
				4	165	41	1682	1450	0.114	165	152	0.0	0.1	3.221	A
			2	1	184	46	1682	1451	0.127	186	179	0.0	0.1	2.892	A
			2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A	
			3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A	
			4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A	
		2	1	1	184	46	-	-	-	184	180	0.0	0.0	0.075	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	183	46	-	-	-	183	183	0.0	0.0	0.092	A
				4	165	41	-	-	-	165	152	0.0	0.0	0.115	A
3	Entry	1	1	1	0.27	0.07	261	232	0.001	0.27	0.71	0.0	0.0	3.670	A
				2	196	49	1679	1434	0.137	196	198	0.0	0.1	2.767	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	205	51	1679	1430	0.144	202	195	0.0	0.3	3.367	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	240	60	1679	1432	0.168	240	246	0.0	0.3	2.670	A	
			3	10	3	1456	1254	0.008	10	9	0.0	0.0	2.544	A	
			4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A	
		2	1	1	0.27	0.07	-	-	-	0.27	0.71	0.0	0.0	0.000	A
				2	436	109	-	-	-	436	446	0.0	0.0	0.026	A
				3	10	3	-	-	-	10	9	0.0	0.0	0.000	A
				4	205	51	-	-	-	205	197	0.0	0.0	0.042	A
4	Entry	1	1	1	269	67	1810	1423	0.189	271	284	0.0	0.3	3.443	A
				2	169	42	1810	1423	0.118	169	159	0.0	0.1	2.779	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	150	38	1810	1424	0.106	150	158	0.0	0.2	2.702	A	
			3	285	71	1810	1422	0.200	285	288	0.0	0.2	3.335	A	
			4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A	
		2	1	1	269	67	-	-	-	269	285	0.0	0.0	0.095	A
				2	319	80	-	-	-	319	318	0.0	0.0	0.076	A
				3	285	71	-	-	-	285	288	0.0	0.0	0.084	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	66	16	1198	704	0.094	66	66	0.1	0.1	5.405	A
				3	1	0.27	346	205	0.005	1	2	0.0	0.0	4.932	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	11	3	1119	659	0.016	10	11	0.0	0.0	6.715	A
				2	53	13	1198	703	0.075	53	52	0.0	0.0	5.506	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	93	23	1198	709	0.131	94	96	0.0	0.1	6.047	A
		2	1	1	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				2	118	30	-	-	-	118	118	0.0	0.0	0.000	A
				3	1	0.27	-	-	-	1	2	0.0	0.0	0.000	A
				4	93	23	-	-	-	93	96	0.0	0.0	0.027	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	218	55	1682	1414	0.154	217	215	0.2	0.2	3.558	A
				4	171	43	1682	1412	0.121	172	177	0.1	0.2	3.522	A
			2	1	202	51	1682	1415	0.143	202	211	0.1	0.1	3.100	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	202	51	-	-	-	202	211	0.0	0.0	0.074	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	218	55	-	-	-	218	215	0.0	0.0	0.140	A
				4	171	43	-	-	-	171	177	0.0	0.0	0.133	A
3	Entry	1	1	1	3	0.80	709	596	0.005	3	2	0.0	0.0	5.498	A
				2	237	59	1679	1404	0.169	238	239	0.1	0.2	2.846	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	241	60	1679	1403	0.172	239	239	0.3	0.3	3.699	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	307	77	1679	1405	0.218	309	297	0.3	0.2	2.843	A
				3	8	2	1530	1274	0.006	8	10	0.0	0.0	2.713	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.80	-	-	-	3	2	0.0	0.0	0.000	A
				2	544	136	-	-	-	544	537	0.0	0.0	0.032	A
				3	8	2	-	-	-	8	10	0.0	0.0	0.000	A
				4	241	60	-	-	-	241	239	0.0	0.0	0.075	A
4	Entry	1	1	1	338	85	1810	1344	0.252	337	340	0.3	0.3	4.026	A
				2	185	46	1810	1350	0.137	185	191	0.1	0.1	3.217	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	189	47	1810	1345	0.141	190	191	0.2	0.2	3.202	A
				3	333	83	1810	1346	0.248	333	344	0.2	0.3	3.970	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	338	85	-	-	-	338	340	0.0	0.0	0.248	A
				2	374	93	-	-	-	374	383	0.0	0.0	0.204	A
				3	333	83	-	-	-	333	344	0.0	0.0	0.259	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	78	20	1198	587	0.133	78	85	0.1	0.2	6.307	A
				3	1	0.27	373	194	0.006	1	2	0.0	0.0	7.563	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	11	3	1145	561	0.019	11	11	0.0	0.0	8.083	A
				2	58	15	1198	588	0.099	58	65	0.0	0.1	6.601	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	119	30	1198	591	0.202	120	118	0.1	0.1	8.239	A
		2	1	1	11	3	-	-	-	11	11	0.0	0.0	0.173	A
				2	137	34	-	-	-	137	151	0.0	0.0	0.055	A
				3	1	0.27	-	-	-	1	2	0.0	0.0	0.000	A
				4	119	30	-	-	-	119	118	0.0	0.0	0.182	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	254	64	1682	1340	0.190	255	260	0.2	0.4	4.314	A
				4	216	54	1682	1343	0.161	216	215	0.2	0.3	4.035	A
			2	1	256	64	1682	1340	0.191	256	265	0.1	0.2	3.579	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	255	64	-	-	-	256	266	0.0	0.0	0.172	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	253	63	-	-	-	254	261	0.0	0.0	0.329	A
				4	215	54	-	-	-	216	215	0.0	0.0	0.319	A
3	Entry	1	1	1	3	0.80	896	715	0.004	3	2	0.0	0.0	4.899	A
				2	276	69	1679	1331	0.207	276	277	0.2	0.2	3.302	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	287	72	1679	1335	0.215	288	295	0.3	0.3	4.424	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	379	95	1679	1336	0.284	380	375	0.2	0.4	3.343	A
				3	11	3	1605	1267	0.009	11	12	0.0	0.0	3.470	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.80	-	-	-	3	2	0.0	0.0	0.000	A
				2	654	163	-	-	-	655	654	0.0	0.0	0.155	A
				3	11	3	-	-	-	11	12	0.0	0.0	0.048	A
				4	286	72	-	-	-	287	295	0.0	0.0	0.197	A
4	Entry	1	1	1	433	108	1810	1245	0.348	429	419	0.3	0.8	5.063	A
				2	233	58	1810	1245	0.187	231	238	0.1	0.3	3.975	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	228	57	1810	1244	0.183	229	230	0.2	0.2	3.903	A
				3	425	106	1810	1247	0.341	427	424	0.3	0.6	5.207	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	436	109	-	-	-	433	421	0.0	0.3	1.160	A
				2	465	116	-	-	-	461	469	0.0	0.4	0.971	A
				3	429	107	-	-	-	425	426	0.0	0.4	1.132	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	85	21	1198	578	0.147	87	83	0.2	0.1	7.473	A
				3	0.80	0.20	479	237	0.003	1	2	0.0	0.0	6.316	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	10	3	1118	548	0.018	10	12	0.0	0.0	9.720	A
				2	57	14	1198	576	0.099	57	62	0.1	0.1	6.941	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	114	28	1198	577	0.197	111	112	0.1	0.4	8.933	A
		2	1	1	10	3	-	-	-	10	12	0.0	0.0	0.367	A
				2	142	35	-	-	-	142	144	0.0	0.0	0.124	A
				3	0.80	0.20	-	-	-	0.80	2	0.0	0.0	0.000	A
				4	114	29	-	-	-	114	113	0.0	0.0	0.465	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	259	65	1682	1342	0.193	261	270	0.4	0.2	4.512	A
				4	229	57	1682	1340	0.171	228	225	0.3	0.2	4.059	A
			2	1	279	70	1682	1344	0.208	277	260	0.2	0.4	3.456	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	280	70	-	-	-	279	261	0.0	0.1	0.409	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	259	65	-	-	-	259	269	0.0	0.0	0.467	A
				4	229	57	-	-	-	229	225	0.0	0.1	0.488	A
3	Entry	1	1	1	2	0.47	784	619	0.003	2	3	0.0	0.0	4.055	A
				2	279	70	1679	1324	0.211	278	278	0.2	0.3	3.392	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	293	73	1679	1329	0.221	292	294	0.3	0.4	4.428	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	383	96	1679	1323	0.290	384	383	0.4	0.4	3.290	A
				3	12	3	1605	1276	0.009	11	12	0.0	0.0	3.862	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.47	-	-	-	2	3	0.0	0.0	0.048	A
				2	663	166	-	-	-	662	661	0.0	0.1	0.108	A
				3	12	3	-	-	-	12	13	0.0	0.0	0.275	A
				4	294	73	-	-	-	293	295	0.0	0.0	0.233	A
4	Entry	1	1	1	420	105	1810	1229	0.342	418	410	0.8	0.6	5.104	A
				2	241	60	1810	1229	0.196	240	237	0.3	0.4	4.022	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	235	59	1810	1227	0.192	236	232	0.2	0.2	3.889	A
				3	441	110	1810	1231	0.359	437	423	0.6	0.8	5.047	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	420	105	-	-	-	420	409	0.3	0.1	1.131	A
				2	478	120	-	-	-	477	468	0.4	0.3	1.090	A
				3	441	110	-	-	-	441	424	0.4	0.2	1.262	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	75	19	1198	710	0.106	75	74	0.1	0.1	5.511	A
				3	2	0.53	586	333	0.006	2	3	0.0	0.0	6.013	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	10	2	1065	630	0.016	10	9	0.0	0.0	6.981	A
				2	51	13	1198	712	0.072	52	57	0.1	0.0	5.597	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	96	24	1198	711	0.135	95	94	0.4	0.2	6.585	A
		2	1	1	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				2	126	32	-	-	-	126	130	0.0	0.0	0.071	A
				3	2	0.53	-	-	-	2	3	0.0	0.0	0.000	A
				4	96	24	-	-	-	96	93	0.0	0.0	0.154	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	207	52	1682	1417	0.146	205	218	0.2	0.4	3.990	A
				4	196	49	1682	1411	0.139	195	185	0.2	0.3	3.818	A
			2	1	211	53	1682	1414	0.150	211	212	0.4	0.2	3.046	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	213	53	-	-	-	211	211	0.1	0.1	0.166	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	208	52	-	-	-	207	219	0.0	0.1	0.275	A
				4	197	49	-	-	-	196	185	0.1	0.0	0.351	A
3	Entry	1	1	1	1	0.33	411	339	0.004	1	1	0.0	0.0	3.537	A
				2	225	56	1679	1394	0.161	223	235	0.3	0.2	3.009	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	248	62	1679	1391	0.179	249	250	0.4	0.3	3.831	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	292	73	1679	1391	0.210	292	296	0.4	0.2	3.053	A
				3	12	3	1568	1302	0.009	12	11	0.0	0.0	3.407	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	1	0.33	-	-	-	1	1	0.0	0.0	0.000	A
				2	516	129	-	-	-	516	530	0.1	0.0	0.054	A
				3	12	3	-	-	-	12	11	0.0	0.0	0.426	A
				4	249	62	-	-	-	248	249	0.0	0.0	0.109	A
4	Entry	1	1	1	317	79	1810	1360	0.233	311	328	0.6	0.8	4.127	A
				2	205	51	1810	1362	0.150	203	193	0.4	0.3	3.245	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	192	48	1810	1361	0.141	191	194	0.2	0.3	3.222	A
				3	328	82	1810	1361	0.241	328	339	0.8	0.3	3.992	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	317	79	-	-	-	317	329	0.1	0.0	0.257	A
				2	396	99	-	-	-	396	386	0.3	0.0	0.202	A
				3	327	82	-	-	-	328	337	0.2	0.0	0.255	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	53	13	1198	787	0.068	53	56	0.1	0.1	5.068	A
				3	1	0.33	373	234	0.006	1	2	0.0	0.0	3.780	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	7	2	932	602	0.012	7	7	0.0	0.0	4.795	A
				2	41	10	1198	788	0.052	42	41	0.0	0.0	5.188	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	83	21	1198	789	0.105	82	80	0.2	0.2	5.645	A
		2	1	1	7	2	-	-	-	7	7	0.0	0.0	0.000	A
				2	94	24	-	-	-	94	97	0.0	0.0	0.003	A
				3	1	0.33	-	-	-	1	2	0.0	0.0	0.000	A
				4	83	21	-	-	-	83	80	0.0	0.0	0.029	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	189	47	1682	1446	0.130	188	192	0.4	0.2	3.526	A
				4	150	38	1682	1445	0.104	151	155	0.3	0.1	3.382	A
			2	1	173	43	1682	1446	0.119	173	174	0.2	0.1	2.822	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	173	43	-	-	-	173	173	0.1	0.0	0.085	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	188	47	-	-	-	189	191	0.1	0.0	0.154	A
				4	150	38	-	-	-	150	154	0.0	0.0	0.144	A
3	Entry	1	1	1	2	0.60	896	766	0.003	2	3	0.0	0.0	4.735	A
				2	203	51	1679	1445	0.141	205	206	0.2	0.1	2.817	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	195	49	1679	1442	0.135	197	198	0.3	0.2	3.425	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	234	59	1679	1443	0.162	236	249	0.2	0.2	2.718	A
				3	9	2	1455	1251	0.007	9	10	0.0	0.0	2.931	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.60	-	-	-	2	3	0.0	0.0	0.000	A
				2	438	109	-	-	-	438	454	0.0	0.0	0.014	A
				3	9	2	-	-	-	9	10	0.0	0.0	0.033	A
				4	195	49	-	-	-	195	198	0.0	0.0	0.053	A
4	Entry	1	1	1	293	73	1810	1430	0.205	292	287	0.8	0.2	3.616	A
				2	157	39	1810	1429	0.110	158	162	0.3	0.1	2.959	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	147	37	1810	1430	0.103	147	152	0.3	0.2	2.965	A
				3	293	73	1810	1429	0.205	294	299	0.3	0.2	3.806	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	293	73	-	-	-	293	285	0.0	0.0	0.097	A
				2	305	76	-	-	-	305	314	0.0	0.0	0.099	A
				3	294	73	-	-	-	293	298	0.0	0.0	0.114	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D5 - | Base + Com Dev + CaPCAM (2550) | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	8.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	8.19	A

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	918	✓	45.00
2	844	✓	110.00
3	1435	✓	35.00
4	806	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	Base + Com Dev + CaPCAM (2550)	AM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	775	100.000
2		ONE HOUR	✓	760	100.000
3		ONE HOUR	✓	410	100.000
4		ONE HOUR	✓	464	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	2	288	3	482
	2	231	0	0	529
	3	4	334	72	0
	4	81	181	202	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	11	0	2
	2	21	0	13	2
	3	25	12	1	4
	4	4	5	4	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	13.97	3.3	10.0	B	746	1118
2	6.85	1.9	5.9	A	746	1119
3	5.29	0.8	2.2	A	409	614
4	3.39	0.6	3.0	A	439	659

Main Results for each time segment**00:00 - 00:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	605	151	638	604	602	267	0.0	1.0	5.609	A
2	614	153	586	613	608	655	0.0	0.7	3.817	A
3	340	85	988	339	335	211	0.0	0.4	3.565	A
4	359	90	546	359	359	782	0.0	0.3	2.716	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	741	185	766	744	734	333	1.0	1.5	7.387	A
2	726	181	714	725	734	795	0.7	1.0	4.743	A
3	408	102	1180	407	406	260	0.4	0.6	4.262	A
4	444	111	656	443	442	930	0.3	0.5	3.009	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	877	219	919	871	882	415	1.5	3.3	12.217	B
2	906	227	834	906	897	955	1.0	1.9	6.629	A
3	487	122	1425	490	491	316	0.6	0.7	5.163	A
4	531	133	803	530	532	1112	0.5	0.6	3.386	A

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	899	225	917	901	896	414	3.3	3.3	13.965	B
2	894	223	853	897	898	965	1.9	1.2	6.850	A
3	489	122	1444	489	492	305	0.7	0.8	5.286	A
4	525	131	808	523	535	1125	0.6	0.5	3.345	A

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	734	184	742	732	746	332	3.3	2.0	8.242	A
2	726	181	689	729	738	785	1.2	0.8	5.139	A
3	397	99	1174	399	404	245	0.8	0.5	4.454	A
4	423	106	652	422	430	920	0.5	0.5	3.050	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	616	154	628	614	616	270	2.0	1.2	5.827	A
2	611	153	579	611	614	663	0.8	0.6	4.036	A
3	337	84	988	339	333	202	0.5	0.3	3.861	A
4	354	88	545	354	363	782	0.5	0.3	2.793	A

Queue Variation Results for each time segment**00:00 - 00:15**

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.03	0.00	0.02	2.56	3.65
2	0.71	0.00	0.00	1.77	2.74
3	0.38	0.00	0.00	0.90	1.49
4	0.29	0.00	0.00	0.58	0.88

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.50	0.00	0.63	3.15	3.95
2	1.04	0.00	0.06	2.66	3.49
3	0.61	0.00	0.00	1.49	1.91
4	0.49	0.00	0.00	0.92	1.59

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	3.29	0.00	1.81	7.48	9.95
2	1.92	0.00	0.74	4.23	5.90
3	0.66	0.00	0.00	1.56	1.93
4	0.63	0.00	0.00	1.54	3.00

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	3.29	0.00	1.96	7.48	9.98
2	1.22	0.00	0.22	2.99	3.71
3	0.76	0.00	0.00	1.68	2.24
4	0.54	0.00	0.00	1.11	1.74

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.95	0.00	0.61	4.65	6.48
2	0.84	0.00	0.00	1.98	2.83
3	0.47	0.00	0.00	1.21	1.77
4	0.52	0.00	0.00	1.18	2.24

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.17	0.00	0.24	2.74	3.49
2	0.58	0.00	0.00	1.39	1.90
3	0.34	0.00	0.00	0.83	1.39
4	0.27	0.00	0.00	0.66	1.24

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	146	984	0.148	146	149	0.0	0.2	4.323	A
			2	1, 2, 4	460	984	0.468	458	453	0.0	0.8	5.484	A
	Exit	1	1	(1, 2, 3, 4)	605			606	606	0.0	0.1	0.397	A
			1	1		267			267	270	0.0	0.0	0.000
2	Entry	1	1	3, 4	409	1320	0.310	407	400	0.0	0.5	3.736	A
			2	1, 2	205	1320	0.155	205	207	0.0	0.2	3.608	A
	Exit	1	1	(1, 2, 3, 4)	614			614	610	0.0	0.0	0.120	A
			1	1		655			655	654	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	153	1113	0.138	153	148	0.0	0.2	3.443	A
			2	2, 3	186	1113	0.168	186	186	0.0	0.2	3.648	A
	Exit	1	1	(1, 2, 3, 4)	340			340	336	0.0	0.0	0.007	A
			1	1		211			211	211	0.0	0.0	0.000
4	Entry	1	1	1, 2	136	1487	0.092	136	135	0.0	0.1	2.607	A
			2	2, 3, 4	223	1487	0.150	223	224	0.0	0.2	2.739	A
	Exit	1	1	(1, 2, 3, 4)	359			359	360	0.0	0.0	0.027	A
			1	1		782			782	768	0.0	0.0	0.000

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	201	925	0.217	201	198	0.2	0.3	4.762	A
			2	1, 2, 4	541	925	0.585	543	536	0.8	1.1	6.760	A
	Exit	1	1	(1, 2, 3, 4)	741			742	735	0.1	0.1	1.139	A
2	Entry	1	1	3, 4	479	1248	0.384	478	486	0.5	0.7	4.342	A
			2	1, 2	247	1248	0.198	247	247	0.2	0.3	4.323	A
	Exit	1	1	(1, 2, 3, 4)	726			726	735	0.0	0.1	0.405	A
3	Entry	1	1	1, 2, 4	178	1021	0.174	178	178	0.2	0.3	4.163	A
			2	2, 3	229	1021	0.225	228	227	0.2	0.4	4.310	A
	Exit	1	1	(1, 2, 3, 4)	408			408	407	0.0	0.0	0.016	A
4	Entry	1	1	1, 2	171	1419	0.120	170	170	0.1	0.1	2.844	A
			2	2, 3, 4	273	1419	0.192	272	273	0.2	0.3	3.047	A
	Exit	1	1	(1, 2, 3, 4)	444			444	443	0.0	0.0	0.039	A
	Exit	1	1		930			930	932	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	266	856	0.310	263	259	0.3	0.6	5.787	A
			2	1, 2, 4	610	856	0.713	608	623	1.1	1.6	8.831	A
	Exit	1	1	(1, 2, 3, 4)	877			875	885	0.1	1.1	4.214	A
2	Entry	1	1	3, 4	595	1180	0.504	594	593	0.7	1.0	5.449	A
			2	1, 2	311	1180	0.264	312	304	0.3	0.5	4.807	A
	Exit	1	1	(1, 2, 3, 4)	906			906	899	0.1	0.4	1.369	A
3	Entry	1	1	1, 2, 4	213	904	0.236	213	218	0.3	0.3	4.989	A
			2	2, 3	274	904	0.303	277	274	0.4	0.4	5.197	A
	Exit	1	1	(1, 2, 3, 4)	487			487	491	0.0	0.0	0.057	A
4	Entry	1	1	1, 2	209	1327	0.157	209	206	0.1	0.2	3.193	A
			2	2, 3, 4	322	1327	0.243	321	326	0.3	0.4	3.450	A
	Exit	1	1	(1, 2, 3, 4)	531			531	532	0.0	0.0	0.035	A
	Exit	1	1		1112			1112	1121	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	266	856	0.310	265	269	0.6	0.5	5.994	A
			2	1, 2, 4	639	856	0.746	636	628	1.6	1.8	9.376	A
	Exit	1	1	(1, 2, 3, 4)	899			904	897	1.1	1.0	5.565	A
2	Entry	1	1	3, 4	577	1169	0.494	579	590	1.0	0.7	5.583	A
			2	1, 2	318	1169	0.272	317	308	0.5	0.3	4.793	A
	Exit	1	1	(1, 2, 3, 4)	894			895	897	0.4	0.1	1.512	A
3	Entry	1	1	1, 2, 4	222	895	0.248	222	220	0.3	0.3	5.133	A
			2	2, 3	267	895	0.298	268	272	0.4	0.4	5.239	A
	Exit	1	1	(1, 2, 3, 4)	489			489	493	0.0	0.0	0.094	A
4	Entry	1	1	1, 2	206	1324	0.155	205	210	0.2	0.2	3.181	A
			2	2, 3, 4	319	1324	0.241	318	325	0.4	0.3	3.393	A
	Exit	1	1	(1, 2, 3, 4)	525			524	535	0.0	0.0	0.035	A
	Exit	1	1		1125			1125	1125	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	196	936	0.209	194	207	0.5	0.3	5.112	A
			2	1, 2, 4	537	936	0.573	538	539	1.8	1.1	7.283	A
	Exit	1	1	(1, 2, 3, 4)	734			733	742	1.0	0.5	1.547	A
2	Entry	1	1	3, 4	475	1262	0.376	476	484	0.7	0.6	4.695	A
			2	1, 2	252	1262	0.199	252	253	0.3	0.3	4.377	A
	Exit	1	1	(1, 2, 3, 4)	726			727	737	0.1	0.0	0.543	A
3	Entry	1	1	1, 2, 4	175	1024	0.171	176	178	0.3	0.2	4.385	A
			2	2, 3	222	1024	0.217	223	226	0.4	0.2	4.486	A
	Exit	1	1	(1, 2, 3, 4)	397			397	403	0.0	0.0	0.011	A
4	Entry	1	1	1, 2	165	1421	0.116	165	164	0.2	0.2	2.984	A
			2	2, 3, 4	258	1421	0.182	257	266	0.3	0.3	3.074	A
	Exit	1	1	(1, 2, 3, 4)	423			423	430	0.0	0.0	0.010	A
	Exit	1	1		920			920	933	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	159	988	0.161	158	160	0.3	0.3	4.502	A
			2	1, 2, 4	457	988	0.462	456	455	1.1	0.8	5.735	A
	Exit	1	1	(1, 2, 3, 4)	616			616	614	0.5	0.1	0.414	A
2	Entry	1	1	3, 4	407	1325	0.307	407	405	0.6	0.3	3.826	A
			2	1, 2	204	1325	0.154	204	208	0.3	0.2	3.976	A
	Exit	1	1	(1, 2, 3, 4)	611			610	612	0.0	0.1	0.166	A
3	Entry	1	1	1, 2, 4	154	1113	0.138	156	148	0.2	0.2	3.841	A
			2	2, 3	183	1113	0.164	183	185	0.2	0.2	3.865	A
	Exit	1	1	(1, 2, 3, 4)	337			337	332	0.0	0.0	0.006	A
4	Entry	1	1	1, 2	135	1488	0.091	135	139	0.2	0.1	2.700	A
			2	2, 3, 4	219	1488	0.147	219	224	0.3	0.2	2.845	A
	Exit	1	1	(1, 2, 3, 4)	354			354	362	0.0	0.0	0.004	A
	Exit	1	1		782			782	779	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.20	0.00	0.00	0.41	1.19
			2	0.76	0.00	0.00	1.84	2.42
	Exit	1	1	0.07	0.00	0.00	0.00	0.00
2	Entry	1	1	0.50	0.00	0.00	1.36	1.99
			2	0.18	0.00	0.00	0.26	0.72
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
3	Entry	1	1	0.17	0.00	0.00	0.39	0.73
			2	0.21	0.00	0.00	0.53	0.86
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.11	0.00	0.00	0.00	0.42
			2	0.16	0.00	0.00	0.26	0.72
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.28	0.00	0.00	0.72	1.39
			2	1.08	0.00	0.38	3.00	3.00
	Exit	1	1	0.15	0.00	0.00	0.00	0.59
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.65	0.00	0.00	1.84	3.00
			2	0.32	0.00	0.00	1.10	1.66
	Exit	1	1	0.06	0.00	0.00	0.00	-0.01
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.26	0.00	0.00	0.63	0.89
			2	0.36	0.00	0.00	0.94	1.49
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.13	0.00	0.00	0.17	0.63
			2	0.34	0.00	0.00	0.77	0.98
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.62	0.00	0.00	1.54	1.99
			2	1.55	0.00	1.08	3.00	3.00
	Exit	1	1	1.11	0.00	0.00	3.98	5.95
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.95	0.00	0.20	2.09	2.60
			2	0.52	0.00	0.00	1.54	1.98
	Exit	1	1	0.45	0.00	0.00	-0.05	2.95
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.30	0.00	0.00	0.75	2.00
			2	0.37	0.00	0.00	0.86	1.33
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.24	0.00	0.00	0.56	0.93
			2	0.40	0.00	0.00	0.90	1.49
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.49	0.00	0.00	1.27	3.00
			2	1.78	0.00	1.36	2.78	2.92
	Exit	1	1	1.00	0.00	0.00	3.97	5.49
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.74	0.00	0.00	2.09	2.60
			2	0.34	0.00	0.00	0.91	1.66
	Exit	1	1	0.14	0.00	0.00	0.00	0.49
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.33	0.00	0.00	0.81	1.39
			2	0.44	0.00	0.00	1.09	1.60
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.23	0.00	0.00	0.53	0.92
			2	0.31	0.00	0.00	0.75	0.99
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.35	0.00	0.00	0.85	1.33
			2	1.07	0.00	0.18	2.49	2.78
	Exit	1	1	0.53	0.00	0.00	0.90	3.48
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.57	0.00	0.00	1.39	1.90
			2	0.27	0.00	0.00	0.74	1.59
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.22	0.00	0.00	0.61	2.00
			2	0.25	0.00	0.00	0.61	0.89
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.19	0.00	0.00	0.45	0.84
			2	0.34	0.00	0.00	0.92	1.66
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.30	0.00	0.00	0.89	1.56
			2	0.82	0.00	0.08	1.91	3.00
	Exit	1	1	0.07	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.33	0.00	0.00	0.80	1.19
			2	0.19	0.00	0.00	0.36	0.99
	Exit	1	1	0.07	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.18	0.00	0.00	0.39	0.90
			2	0.16	0.00	0.00	0.33	0.75
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.11	0.00	0.00	-0.01	0.55
			2	0.16	0.00	0.00	0.30	0.69
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	143	36	1274	982	0.146	144	147	0.0	0.2	4.331	A
				3	2	0.56	580	457	0.005	2	2	0.0	0.0	3.848	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	1	0.33	303	247	0.005	1	1	0.0	0.0	6.095	A
				2	81	20	1274	984	0.083	82	84	0.0	0.0	4.178	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	377	94	1274	983	0.384	374	368	0.0	0.7	5.754	A
		2	1	1	1	0.33	-	-	-	1	1	0.0	0.0	0.676	A
				2	224	56	-	-	-	225	232	0.0	0.0	0.245	A
				3	2	0.56	-	-	-	2	2	0.0	0.0	0.326	A
				4	377	94	-	-	-	377	371	0.0	0.1	0.483	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	409	102	1653	1321	0.310	407	400	0.0	0.5	3.736	A
		2	2	1	205	51	1653	1318	0.155	205	207	0.0	0.2	3.608	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	205	51	-	-	-	205	208	0.0	0.0	0.100	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	409	102	-	-	-	409	402	0.0	0.0	0.129	A
3	Entry	1	1	1	3	0.65	769	567	0.005	2	3	0.0	0.0	3.740	A
				2	151	38	1585	1110	0.136	150	145	0.0	0.1	3.437	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	136	34	1585	1112	0.122	135	135	0.0	0.2	3.547	A
				3	51	13	1585	1113	0.046	51	52	0.0	0.0	3.888	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.65	-	-	-	3	3	0.0	0.0	0.000	A
				2	286	72	-	-	-	286	281	0.0	0.0	0.004	A
				3	51	13	-	-	-	51	52	0.0	0.0	0.023	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	58	14	1826	1485	0.039	58	59	0.0	0.0	2.691	A
				2	78	20	1826	1483	0.053	78	76	0.0	0.1	2.541	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	65	16	1826	1487	0.044	65	67	0.0	0.1	2.578	A
				3	157	39	1826	1482	0.106	157	158	0.0	0.1	2.806	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	58	14	-	-	-	58	59	0.0	0.0	0.031	A
				2	144	36	-	-	-	144	143	0.0	0.0	0.018	A
				3	157	39	-	-	-	157	158	0.0	0.0	0.033	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	198	50	1274	925	0.214	198	195	0.2	0.3	4.736	A
				3	3	0.68	618	449	0.006	3	3	0.0	0.0	6.304	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.56	467	345	0.007	2	2	0.0	0.0	7.106	A
				2	88	22	1274	926	0.095	88	88	0.0	0.1	4.996	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	451	113	1274	926	0.487	452	445	0.7	0.9	7.082	A
		2	1	1	2	0.56	-	-	-	2	2	0.0	0.0	1.639	A
				2	286	72	-	-	-	286	284	0.0	0.0	0.900	A
				3	3	0.68	-	-	-	3	3	0.0	0.0	1.174	A
				4	450	113	-	-	-	451	446	0.1	0.1	1.278	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	479	120	1653	1249	0.384	478	486	0.5	0.7	4.342	A
			2	1	247	62	1653	1250	0.197	247	247	0.2	0.3	4.323	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	247	62	-	-	-	247	248	0.0	0.0	0.423	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	479	120	-	-	-	479	487	0.0	0.0	0.398	A
3	Entry	1	1	1	6	1	847	551	0.011	6	5	0.0	0.0	5.107	A
				2	172	43	1585	1020	0.169	173	173	0.1	0.3	4.140	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	163	41	1585	1018	0.161	163	163	0.2	0.2	4.242	A
				3	66	16	1585	1021	0.065	65	64	0.0	0.1	4.464	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	6	1	-	-	-	6	5	0.0	0.0	0.000	A
				2	336	84	-	-	-	336	337	0.0	0.0	0.011	A
				3	66	16	-	-	-	66	65	0.0	0.0	0.042	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	78	20	1826	1419	0.055	78	78	0.0	0.1	2.950	A
				2	92	23	1826	1419	0.065	93	91	0.1	0.1	2.751	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	80	20	1826	1416	0.056	81	83	0.1	0.0	2.644	A
				3	193	48	1826	1414	0.137	192	190	0.1	0.3	3.219	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	78	20	-	-	-	78	78	0.0	0.0	0.044	A
				2	172	43	-	-	-	172	174	0.0	0.0	0.018	A
				3	193	48	-	-	-	193	191	0.0	0.0	0.057	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	262	66	1274	856	0.307	259	257	0.3	0.6	5.761	A
				3	3	0.83	618	413	0.008	3	3	0.0	0.0	7.814	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.42	505	342	0.005	2	2	0.0	0.0	10.502	B
				2	89	22	1274	852	0.105	89	92	0.1	0.2	6.372	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	519	130	1274	856	0.606	518	528	0.9	1.3	9.216	A
		2	1	1	2	0.42	-	-	-	2	2	0.0	0.0	3.257	A
				2	352	88	-	-	-	351	351	0.0	0.3	3.842	A
				3	3	0.86	-	-	-	3	3	0.0	0.0	3.737	A
				4	520	130	-	-	-	519	530	0.1	0.8	4.445	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	595	149	1653	1179	0.504	594	593	0.7	1.0	5.449	A
			2	1	311	78	1653	1178	0.264	312	304	0.3	0.5	4.807	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	312	78	-	-	-	311	305	0.0	0.2	1.290	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	594	149	-	-	-	595	594	0.0	0.3	1.403	A
3	Entry	1	1	1	6	2	1177	670	0.010	6	6	0.0	0.0	6.033	A
				2	206	52	1585	902	0.229	207	211	0.3	0.3	4.962	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	194	49	1585	902	0.215	195	193	0.2	0.3	4.981	A
				3	80	20	1585	894	0.089	82	81	0.1	0.1	5.661	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	6	2	-	-	-	6	6	0.0	0.0	0.071	A
				2	401	100	-	-	-	401	405	0.0	0.0	0.033	A
				3	80	20	-	-	-	80	81	0.0	0.0	0.163	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	95	24	1826	1330	0.072	95	93	0.1	0.1	3.419	A
				2	113	28	1826	1325	0.086	114	113	0.1	0.1	3.007	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	91	23	1826	1325	0.069	90	94	0.0	0.1	2.976	A
				3	231	58	1826	1328	0.174	230	231	0.3	0.2	3.641	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	95	24	-	-	-	95	93	0.0	0.0	0.024	A
				2	205	51	-	-	-	205	208	0.0	0.0	0.029	A
				3	231	58	-	-	-	231	231	0.0	0.0	0.046	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	262	65	1274	857	0.306	262	265	0.6	0.5	5.997	A
				3	4	0.95	732	489	0.008	4	3	0.0	0.0	5.790	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.50	631	422	0.005	2	3	0.0	0.0	8.284	A
				2	88	22	1274	859	0.102	88	90	0.2	0.2	6.972	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	549	137	1274	856	0.641	546	535	1.3	1.6	9.746	A
		2	1	1	2	0.50	-	-	-	2	3	0.0	0.0	4.757	A
				2	346	87	-	-	-	350	355	0.3	0.3	5.067	A
				3	4	0.92	-	-	-	4	3	0.0	0.0	5.080	A
				4	547	137	-	-	-	549	536	0.8	0.7	5.874	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	577	144	1653	1168	0.494	579	590	1.0	0.7	5.583	A
			2	1	318	79	1653	1169	0.272	317	308	0.5	0.3	4.793	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	317	79	-	-	-	318	308	0.2	0.0	1.452	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	576	144	-	-	-	577	589	0.3	0.1	1.538	A
3	Entry	1	1	1	8	2	1114	631	0.012	7	6	0.0	0.0	6.553	A
				2	214	53	1585	896	0.239	214	214	0.3	0.3	5.096	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	189	47	1585	893	0.212	190	193	0.3	0.3	5.019	A
				3	78	19	1585	897	0.087	77	79	0.1	0.1	5.717	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	8	2	-	-	-	8	6	0.0	0.0	0.021	A
				2	403	101	-	-	-	403	407	0.0	0.0	0.068	A
				3	78	19	-	-	-	78	79	0.0	0.0	0.221	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	88	22	1826	1322	0.066	87	92	0.1	0.1	3.326	A
				2	118	29	1826	1324	0.089	118	118	0.1	0.1	3.067	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	94	24	1826	1323	0.071	94	96	0.1	0.0	2.914	A
				3	225	56	1826	1324	0.170	224	230	0.2	0.3	3.591	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	88	22	-	-	-	88	92	0.0	0.0	0.024	A
				2	212	53	-	-	-	212	213	0.0	0.0	0.013	A
				3	225	56	-	-	-	225	230	0.0	0.0	0.058	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	194	49	1274	936	0.207	192	204	0.5	0.3	5.116	A
				3	2	0.48	656	473	0.004	2	3	0.0	0.0	4.889	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	1	0.30	454	328	0.004	1	2	0.0	0.0	7.007	A
				2	93	23	1274	935	0.099	93	89	0.2	0.1	5.391	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	443	111	1274	937	0.472	444	448	1.6	1.0	7.631	A
		2	1	1	1	0.30	-	-	-	1	2	0.0	0.0	0.585	A
				2	287	72	-	-	-	287	292	0.3	0.1	1.282	A
				3	2	0.48	-	-	-	2	3	0.0	0.0	0.708	A
				4	444	111	-	-	-	443	446	0.7	0.4	1.715	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	475	119	1653	1262	0.376	476	484	0.7	0.6	4.695	A
			2	1	252	63	1653	1260	0.200	252	253	0.3	0.3	4.377	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	252	63	-	-	-	252	253	0.0	0.0	0.538	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	474	119	-	-	-	475	484	0.1	0.0	0.546	A
3	Entry	1	1	1	4	0.98	973	613	0.006	4	5	0.0	0.0	6.282	A
				2	171	43	1585	1025	0.167	172	173	0.3	0.2	4.340	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	158	40	1585	1026	0.154	158	161	0.3	0.2	4.344	A
				3	64	16	1585	1024	0.063	65	65	0.1	0.1	4.805	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	0.98	-	-	-	4	5	0.0	0.0	0.000	A
				2	329	82	-	-	-	329	333	0.0	0.0	0.006	A
				3	64	16	-	-	-	64	65	0.0	0.0	0.036	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	74	19	1826	1421	0.052	75	75	0.1	0.1	3.148	A
				2	90	23	1826	1419	0.064	90	89	0.1	0.1	2.845	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	80	20	1826	1422	0.056	79	81	0.0	0.1	2.777	A
				3	178	45	1826	1420	0.126	178	185	0.3	0.2	3.204	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	74	19	-	-	-	74	75	0.0	0.0	0.015	A
				2	170	43	-	-	-	170	171	0.0	0.0	0.003	A
				3	178	45	-	-	-	178	185	0.0	0.0	0.014	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	157	39	1274	990	0.158	155	158	0.3	0.3	4.483	A
				3	2	0.56	568	434	0.005	2	2	0.0	0.0	5.616	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.50	366	283	0.007	2	1	0.0	0.0	7.484	A
				2	79	20	1274	987	0.080	80	80	0.1	0.1	4.397	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	376	94	1274	988	0.380	375	374	1.0	0.7	5.996	A
		2	1	1	2	0.50	-	-	-	2	1	0.0	0.0	0.707	A
				2	236	59	-	-	-	236	238	0.1	0.0	0.296	A
				3	2	0.56	-	-	-	2	2	0.0	0.0	0.034	A
				4	376	94	-	-	-	376	373	0.4	0.0	0.485	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	407	102	1653	1325	0.307	407	405	0.6	0.3	3.826	A
			2	1	204	51	1653	1327	0.154	204	208	0.3	0.2	3.976	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	204	51	-	-	-	204	208	0.0	0.1	0.158	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	407	102	-	-	-	407	404	0.0	0.0	0.169	A
3	Entry	1	1	1	5	1	894	632	0.007	5	5	0.0	0.0	4.622	A
				2	150	37	1585	1114	0.134	151	144	0.2	0.2	3.819	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	134	33	1585	1118	0.120	134	134	0.2	0.1	3.872	A
				3	49	12	1585	1117	0.044	49	51	0.1	0.0	3.851	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	5	0.0	0.0	0.000	A
				2	283	71	-	-	-	283	277	0.0	0.0	0.003	A
				3	49	12	-	-	-	49	51	0.0	0.0	0.024	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	60	15	1826	1487	0.040	59	63	0.1	0.1	2.849	A
				2	76	19	1826	1491	0.051	76	76	0.1	0.0	2.572	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	68	17	1826	1490	0.045	68	66	0.1	0.0	2.525	A
				3	151	38	1826	1491	0.101	151	158	0.2	0.1	2.978	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	60	15	-	-	-	60	63	0.0	0.0	0.000	A
				2	143	36	-	-	-	143	141	0.0	0.0	0.001	A
				3	151	38	-	-	-	151	158	0.0	0.0	0.008	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D6 - | Base + Com Dev + CaPCAM (2550) | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	7.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	7.19	A

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	1845	✓	45.00
2	558	✓	110.00
3	740	✓	35.00
4	1173	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	Base + Com Dev + CaPCAM (2550)	PM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	356	100.000
2		ONE HOUR	✓	556	100.000
3		ONE HOUR	✓	733	100.000
4		ONE HOUR	✓	1294	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	11	238	2	105
	2	302	0	0	254
	3	2	719	12	0
	4	376	537	381	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	5	0	1
	2	4	0	11	2
	3	0	4	0	3
	4	1	1	1	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	10.99	1.6	4.5	B	340	511
2	3.65	0.6	3.0	A	521	781
3	3.57	0.9	4.0	A	699	1049
4	9.75	4.3	13.4	A	1208	1812

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	278	69	1298	277	272	526	0.0	0.6	5.416	A
2	426	106	392	428	428	1182	0.0	0.3	2.896	A
3	583	146	513	583	570	307	0.0	0.6	2.844	A
4	1004	251	821	1002	992	275	0.0	1.2	3.718	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	327	82	1536	328	321	662	0.6	0.7	6.847	A
2	533	133	476	534	518	1388	0.3	0.5	3.230	A
3	689	172	644	687	682	367	0.6	0.8	3.118	A
4	1197	299	993	1204	1194	337	1.2	1.5	5.121	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	407	102	1839	408	400	771	0.7	1.6	10.754	B
2	612	153	554	614	630	1694	0.5	0.4	3.599	A
3	822	205	741	820	827	427	0.8	0.9	3.491	A
4	1433	358	1172	1439	1430	390	1.5	3.6	9.745	A

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	407	102	1850	405	407	762	1.6	1.3	10.993	B
2	611	153	561	613	631	1694	0.4	0.6	3.649	A
3	832	208	740	832	822	435	0.9	0.8	3.574	A
4	1436	359	1174	1438	1436	397	3.6	4.3	9.314	A

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	348	87	1532	348	345	632	1.3	0.8	8.167	A
2	516	129	475	516	508	1406	0.6	0.5	3.443	A
3	676	169	626	678	688	365	0.8	0.4	3.230	A
4	1193	298	969	1195	1195	335	4.3	1.9	5.481	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	276	69	1285	275	278	537	0.8	0.4	6.335	A
2	427	107	372	425	424	1188	0.5	0.6	3.052	A
3	592	148	508	592	580	289	0.4	0.5	2.904	A
4	986	247	836	986	989	264	1.9	1.0	3.987	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.63	0.00	-0.03	1.18	1.69
2	0.25	0.00	0.00	0.70	2.00
3	0.59	0.00	0.00	1.30	2.45
4	1.22	0.00	0.50	2.48	3.23

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.67	0.00	0.00	1.66	1.94
2	0.45	0.00	0.00	0.97	1.82
3	0.76	0.00	0.00	1.78	4.00
4	1.47	0.00	0.50	3.30	4.45

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.57	0.00	0.58	3.30	4.23
2	0.41	0.00	0.00	0.85	1.23
3	0.94	0.00	0.04	1.86	2.73
4	3.61	0.00	2.17	6.60	11.73

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.28	0.00	0.22	2.95	4.45
2	0.59	0.00	0.00	1.48	3.00
3	0.79	0.00	0.07	1.30	2.45
4	4.27	0.00	2.08	9.90	13.35

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.84	0.00	0.09	1.98	2.61
2	0.49	0.00	0.00	0.98	1.61
3	0.39	0.00	0.00	2.00	2.00
4	1.88	0.00	0.91	3.98	4.61

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.41	0.00	0.00	0.85	1.23
2	0.57	0.00	0.00	0.93	2.23
3	0.51	0.00	0.00	0.97	1.82
4	1.02	0.00	0.28	2.23	2.86

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	103	693	0.149	102	102	0.0	0.2	5.211	A
			2	1, 2, 4	175	693	0.252	174	170	0.0	0.4	5.521	A
	Exit	1	1	(1, 2, 3, 4)	278			278	275	0.0	0.0	0.009	A
2	Entry	1	1	3, 4	199	1450	0.137	200	193	0.0	0.1	2.833	A
			2	1, 2	227	1450	0.157	228	235	0.0	0.2	2.912	A
	Exit	1	1	(1, 2, 3, 4)	426			426	429	0.0	0.0	0.020	A
3	Entry	1	1	1, 2, 4	291	1380	0.211	290	279	0.0	0.4	2.881	A
			2	2, 3	292	1380	0.212	293	291	0.0	0.2	2.803	A
	Exit	1	1	(1, 2, 3, 4)	583			583	572	0.0	0.0	0.002	A
4	Entry	1	1	1, 2	506	1313	0.385	503	492	0.0	0.7	3.490	A
			2	2, 3, 4	499	1313	0.380	499	500	0.0	0.5	3.579	A
			2	1	(1, 2, 3, 4)	1004			1004	997	0.0	0.0	0.183
	Exit	1	1		275			275	268	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	120	607	0.198	120	119	0.2	0.3	6.756	A
			2	1, 2, 4	207	607	0.341	208	202	0.4	0.4	6.858	A
	Exit	1	1	(1, 2, 3, 4)	327			327	321	0.0	0.0	0.027	A
2	Entry	1	1	3, 4	235	1399	0.168	236	229	0.1	0.2	3.016	A
			2	1, 2	299	1399	0.213	298	288	0.2	0.3	3.324	A
	Exit	1	1	(1, 2, 3, 4)	533			533	519	0.0	0.0	0.044	A
3	Entry	1	1	1, 2, 4	338	1307	0.258	336	338	0.4	0.5	3.074	A
			2	2, 3	352	1307	0.269	351	344	0.2	0.3	3.152	A
	Exit	1	1	(1, 2, 3, 4)	689			689	682	0.0	0.0	0.004	A
4	Entry	1	1	1, 2	600	1214	0.494	601	594	0.7	0.7	4.474	A
			2	2, 3, 4	601	1214	0.495	603	600	0.5	0.7	4.546	A
	Exit	1	1	(1, 2, 3, 4)	1197			1200	1195	0.0	0.1	0.610	A
	Exit	1	1		337			337	325	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	171	496	0.344	171	164	0.3	0.6	9.376	A
			2	1, 2, 4	236	496	0.476	238	237	0.4	0.8	10.598	B
	Exit	1	1	(1, 2, 3, 4)	407			407	404	0.0	0.1	0.640	A
2	Entry	1	1	3, 4	271	1353	0.201	273	283	0.2	0.1	3.364	A
			2	1, 2	341	1353	0.252	341	347	0.3	0.3	3.588	A
	Exit	1	1	(1, 2, 3, 4)	612			612	630	0.0	0.0	0.113	A
3	Entry	1	1	1, 2, 4	412	1253	0.329	412	412	0.5	0.4	3.492	A
			2	2, 3	411	1253	0.328	408	415	0.3	0.5	3.473	A
	Exit	1	1	(1, 2, 3, 4)	822			822	827	0.0	0.0	0.009	A
4	Entry	1	1	1, 2	724	1112	0.650	725	719	0.7	1.1	5.897	A
			2	2, 3, 4	716	1112	0.643	714	711	0.7	1.2	5.990	A
	Exit	1	1	(1, 2, 3, 4)	1433			1439	1434	0.1	1.3	3.793	A
	Exit	1	1		390			390	397	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	163	492	0.332	163	166	0.6	0.4	9.462	A
			2	1, 2, 4	243	492	0.494	242	240	0.8	0.7	11.286	B
	Exit	1	1	(1, 2, 3, 4)	407			406	405	0.1	0.1	0.449	A
2	Entry	1	1	3, 4	280	1349	0.208	282	282	0.1	0.2	3.329	A
			2	1, 2	330	1349	0.245	331	348	0.3	0.4	3.682	A
	Exit	1	1	(1, 2, 3, 4)	611			611	632	0.0	0.0	0.127	A
3	Entry	1	1	1, 2, 4	410	1253	0.327	408	409	0.4	0.5	3.581	A
			2	2, 3	422	1253	0.337	423	414	0.5	0.3	3.547	A
	Exit	1	1	(1, 2, 3, 4)	832			832	822	0.0	0.0	0.010	A
4	Entry	1	1	1, 2	712	1111	0.641	717	715	1.1	1.0	5.969	A
			2	2, 3, 4	719	1111	0.647	721	721	1.2	1.2	5.964	A
	Exit	1	1	(1, 2, 3, 4)	1436			1431	1436	1.3	2.1	3.362	A
	Exit	1	1		397			397	398	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	137	608	0.225	138	133	0.4	0.3	7.521	A
			2	1, 2, 4	212	608	0.348	211	212	0.7	0.5	8.194	A
		2	1	(1, 2, 3, 4)	348			348	344	0.1	0.0	0.237	A
	Exit	1	1		632			632	628	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	236	1401	0.168	235	229	0.2	0.3	3.167	A
			2	1, 2	280	1401	0.200	281	279	0.4	0.2	3.489	A
		2	1	(1, 2, 3, 4)	516			516	508	0.0	0.0	0.101	A
	Exit	1	1		1406			1406	1415	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	333	1317	0.253	334	340	0.5	0.2	3.290	A
			2	2, 3	344	1317	0.261	344	347	0.3	0.2	3.147	A
		2	1	(1, 2, 3, 4)	676			676	686	0.0	0.0	0.012	A
	Exit	1	1		365			365	367	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	596	1228	0.485	595	594	1.0	1.0	4.668	A
			2	2, 3, 4	598	1228	0.487	600	600	1.2	0.8	4.827	A
		2	1	(1, 2, 3, 4)	1193			1194	1193	2.1	0.1	0.735	A
	Exit	1	1		335			335	327	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	105	698	0.150	104	104	0.3	0.1	6.183	A
			2	1, 2, 4	171	698	0.244	170	174	0.5	0.3	6.356	A
		2	1	(1, 2, 3, 4)	276			276	276	0.0	0.0	0.043	A
	Exit	1	1		537			537	525	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	191	1462	0.131	190	195	0.3	0.2	2.871	A
			2	1, 2	236	1462	0.161	235	229	0.2	0.3	3.146	A
		2	1	(1, 2, 3, 4)	427			426	424	0.0	0.1	0.035	A
	Exit	1	1		1188			1188	1172	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	290	1383	0.210	290	289	0.2	0.3	2.906	A
			2	2, 3	302	1383	0.219	302	292	0.2	0.2	2.902	A
		2	1	(1, 2, 3, 4)	592			592	581	0.0	0.0	0.000	A
	Exit	1	1		289			289	297	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	504	1304	0.386	503	495	1.0	0.5	3.770	A
			2	2, 3, 4	483	1304	0.370	484	494	0.8	0.5	3.897	A
		2	1	(1, 2, 3, 4)	986			987	986	0.1	0.0	0.153	A
	Exit	1	1		264			264	277	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.22	0.00	0.00	0.54	0.83
			2	0.41	0.00	0.00	0.81	0.97
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.10	0.00	0.00	1.00	1.00
			2	0.16	0.00	0.00	0.23	0.86
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.37	0.00	0.00	0.83	1.23
			2	0.22	0.00	0.00	0.58	2.00
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.67	0.00	0.00	1.78	3.00
			2	0.55	0.00	0.00	1.18	1.69
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.31	0.00	0.00	0.86	2.00
			2	0.35	0.00	0.00	0.89	2.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.18	0.00	0.00	0.41	0.78
			2	0.27	0.00	0.00	0.73	1.73
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.47	0.00	0.00	0.98	1.61
			2	0.29	0.00	0.00	0.77	2.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.69	0.00	0.00	1.78	3.00
			2	0.67	0.00	0.00	1.58	3.00
	Exit	1	1	0.12	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.63	0.00	0.00	1.56	1.92
			2	0.84	0.00	0.15	1.84	3.00
	Exit	1	1	0.10	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.14	0.00	0.00	1.00	1.00
			2	0.27	0.00	0.00	0.70	1.23
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.43	0.00	0.00	0.92	1.48
			2	0.49	0.00	0.00	0.97	1.82
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.12	0.00	0.43	3.00	3.00
			2	1.22	0.00	0.65	3.00	3.00
	Exit	1	1	1.27	0.00	0.00	2.85	6.90
			1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.43	0.00	0.00	0.92	2.00
			2	0.75	0.00	0.00	2.32	2.74
	Exit	1	1	0.10	0.00	0.00	0.00	0.23
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.22	0.00	0.00	0.54	0.83
			2	0.35	0.00	0.00	0.89	1.48
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.47	0.00	0.00	0.97	1.82
			2	0.31	0.00	0.00	0.68	0.88
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.04	0.00	0.44	1.91	3.00
			2	1.16	0.00	0.47	2.41	2.78
	Exit	1	1	2.08	0.00	0.00	6.48	9.70
			1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.29	0.00	0.00	0.77	2.00
			2	0.55	0.00	0.00	1.18	1.69
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.25	0.00	0.00	0.59	0.85
			2	0.24	0.00	0.00	0.61	0.93
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.16	0.00	0.00	0.32	0.74
			2	0.24	0.00	0.00	0.65	2.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.02	0.00	0.34	3.00	3.00
			2	0.80	0.00	0.00	3.00	3.00
	Exit	1	1	0.06	0.00	0.00	0.00	1.00
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.12	0.00	0.00	1.00	1.00
			2	0.29	0.00	0.00	0.77	2.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.20	0.00	0.00	0.49	0.81
			2	0.31	0.00	0.00	0.72	0.95
	Exit	1	1	0.06	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.27	0.00	0.00	0.66	0.87
			2	0.24	0.00	0.00	0.54	0.83
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.49	0.00	0.00	0.89	2.00
			2	0.53	0.00	0.00	0.95	3.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	102	26	1165	690	0.148	101	100	0.0	0.2	5.214	A
				3	0.94	0.24	274	174	0.005	1	1	0.0	0.0	5.046	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	11	3	1005	614	0.017	11	10	0.0	0.0	6.234	A
				2	88	22	1165	692	0.128	89	85	0.0	0.2	5.141	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	76	19	1165	691	0.109	75	75	0.0	0.2	5.837	A
		2	1	1	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				2	191	48	-	-	-	191	187	0.0	0.0	0.005	A
				3	0.94	0.24	-	-	-	0.94	1	0.0	0.0	0.000	A
				4	76	19	-	-	-	76	76	0.0	0.0	0.021	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	199	50	1686	1450	0.137	200	193	0.0	0.1	2.833	A
		2	2	1	227	57	1686	1449	0.157	228	235	0.0	0.2	2.912	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	227	57	-	-	-	227	236	0.0	0.0	0.024	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	199	50	-	-	-	199	194	0.0	0.0	0.015	A
3	Entry	1	1	1	3	0.65	490	416	0.006	3	1	0.0	0.0	3.537	A
				2	287	72	1667	1380	0.208	287	277	0.0	0.4	2.878	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	282	70	1667	1381	0.204	282	281	0.0	0.2	2.789	A
				3	11	3	1569	1329	0.008	11	10	0.0	0.0	3.202	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.65	-	-	-	3	1	0.0	0.0	0.000	A
				2	570	142	-	-	-	570	561	0.0	0.0	0.002	A
				3	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	287	72	1783	1313	0.218	284	286	0.0	0.4	3.755	A
				2	219	55	1783	1315	0.167	219	206	0.0	0.2	3.123	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	205	51	1783	1317	0.155	204	204	0.0	0.2	3.136	A
				3	294	73	1783	1314	0.224	295	295	0.0	0.4	3.887	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	287	72	-	-	-	287	288	0.0	0.0	0.224	A
				2	423	106	-	-	-	424	412	0.0	0.0	0.144	A
				3	294	73	-	-	-	294	297	0.0	0.0	0.196	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	118	29	1165	611	0.193	117	117	0.2	0.3	6.764	A
				3	2	0.59	480	260	0.009	2	2	0.0	0.0	6.245	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	9	2	1119	595	0.016	9	9	0.0	0.0	7.474	A
				2	99	25	1165	609	0.162	99	97	0.2	0.2	6.247	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	99	25	1165	606	0.163	101	96	0.2	0.1	7.392	A
		2	1	1	9	2	-	-	-	9	10	0.0	0.0	0.000	A
				2	216	54	-	-	-	216	215	0.0	0.0	0.012	A
				3	2	0.59	-	-	-	2	2	0.0	0.0	0.000	A
				4	99	25	-	-	-	99	95	0.0	0.0	0.061	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	235	59	1686	1398	0.168	236	229	0.1	0.2	3.016	A
			2	1	299	75	1686	1399	0.213	298	288	0.2	0.3	3.324	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	299	75	-	-	-	299	289	0.0	0.0	0.055	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	235	59	-	-	-	235	230	0.0	0.0	0.031	A
3	Entry	1	1	1	1	0.35	491	392	0.004	1	1	0.0	0.0	2.330	A
				2	336	84	1667	1309	0.257	334	337	0.4	0.5	3.077	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	342	85	1667	1309	0.261	341	333	0.2	0.3	3.148	A
				3	10	2	1470	1152	0.009	10	10	0.0	0.0	3.286	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	1	0.35	-	-	-	1	1	0.0	0.0	0.000	A
				2	678	169	-	-	-	678	671	0.0	0.0	0.004	A
				3	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	352	88	1783	1218	0.289	354	346	0.4	0.5	4.928	A
				2	247	62	1783	1217	0.203	248	248	0.2	0.2	3.840	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	248	62	1783	1216	0.204	249	244	0.2	0.2	4.010	A
				3	353	88	1783	1218	0.290	354	356	0.4	0.5	4.913	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	351	88	-	-	-	352	347	0.0	0.0	0.663	A
				2	494	124	-	-	-	495	492	0.0	0.1	0.542	A
				3	352	88	-	-	-	353	356	0.0	0.0	0.652	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service		
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
				2	169	42	1165	496	0.342	169	162	0.3	0.6	9.421	A		
				3	1	0.35	480	218	0.006	1	2	0.0	0.0	5.711	A		
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
			2	1	10	3	1120	472	0.021	10	12	0.0	0.1	12.607	B		
				2	110	27	1165	497	0.221	110	111	0.2	0.4	9.037	A		
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
				4	116	29	1165	495	0.235	117	114	0.1	0.4	11.819	B		
		2	1	1	10	2	-	-	-	10	13	0.0	0.0	1.011	A		
				2	280	70	-	-	-	279	274	0.0	0.1	0.528	A		
				3	1	0.35	-	-	-	1	2	0.0	0.0	0.000	A		
				4	116	29	-	-	-	116	115	0.0	0.0	0.866	A		
		2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
						2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
						3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
						4	271	68	1686	1354	0.200	273	283	0.2	0.1	3.364	A
2	1				341	85	1686	1355	0.252	341	347	0.3	0.3	3.588	A		
	2				0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
	3				0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
	4				0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
2	1			1	341	85	-	-	-	341	347	0.0	0.0	0.095	A		
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
				4	271	68	-	-	-	271	283	0.0	0.0	0.134	A		
3	Entry			1	1	1	2	0.41	784	583	0.003	2	3	0.0	0.0	4.299	A
						2	410	102	1667	1254	0.327	410	409	0.5	0.4	3.487	A
						3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
						4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1		0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
			2		398	99	1667	1252	0.318	396	402	0.3	0.5	3.468	A		
			3		12	3	1634	1217	0.010	12	13	0.0	0.0	3.602	A		
			4		0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
		2	1	1	2	0.41	-	-	-	2	3	0.0	0.0	0.000	A		
				2	808	202	-	-	-	808	812	0.0	0.0	0.009	A		
				3	12	3	-	-	-	12	13	0.0	0.0	0.010	A		
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
		4	Entry	1	1	1	416	104	1783	1109	0.375	418	418	0.5	0.6	6.463	A
						2	307	77	1783	1112	0.276	307	302	0.2	0.5	5.113	A
						3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
						4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
2	1				0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
	2				301	75	1783	1109	0.271	301	300	0.2	0.4	5.187	A		
	3				415	104	1783	1113	0.373	413	411	0.5	0.8	6.575	A		
	4				0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		
2	1			1	416	104	-	-	-	416	418	0.0	0.5	3.780	A		
				2	604	151	-	-	-	609	604	0.1	0.4	3.711	A		
				3	414	103	-	-	-	415	412	0.0	0.4	3.925	A		
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A		

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	161	40	1165	492	0.327	160	163	0.6	0.4	9.472	A
				3	3	0.65	640	274	0.009	3	3	0.0	0.0	8.892	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	12	3	1097	460	0.027	12	13	0.1	0.0	12.717	B
				2	117	29	1165	493	0.238	116	112	0.4	0.4	9.881	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	113	28	1165	491	0.230	115	116	0.4	0.3	12.445	B
		2	1	1	12	3	-	-	-	12	12	0.0	0.0	0.379	A
				2	278	70	-	-	-	278	275	0.1	0.0	0.332	A
				3	3	0.65	-	-	-	3	3	0.0	0.0	0.061	A
				4	114	29	-	-	-	113	116	0.0	0.1	0.737	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	280	70	1686	1350	0.208	282	282	0.1	0.2	3.329	A
			2	1	330	83	1686	1349	0.245	331	348	0.3	0.4	3.682	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	330	83	-	-	-	330	349	0.0	0.0	0.136	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	280	70	-	-	-	280	283	0.0	0.0	0.117	A
3	Entry	1	1	1	2	0.47	752	557	0.003	2	2	0.0	0.0	5.632	A
				2	408	102	1667	1254	0.325	407	406	0.4	0.5	3.568	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	409	102	1667	1255	0.326	409	402	0.5	0.3	3.542	A
				3	14	3	1536	1152	0.012	14	12	0.0	0.0	3.708	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.47	-	-	-	2	2	0.0	0.0	0.168	A
				2	817	204	-	-	-	817	807	0.0	0.0	0.009	A
				3	14	3	-	-	-	14	12	0.0	0.0	0.012	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	414	104	1783	1113	0.372	417	419	0.6	0.8	6.503	A
				2	297	74	1783	1110	0.268	300	297	0.5	0.3	5.213	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	300	75	1783	1114	0.269	303	309	0.4	0.5	5.096	A
				3	419	105	1783	1109	0.377	418	412	0.8	0.7	6.617	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	416	104	-	-	-	414	419	0.5	0.6	3.375	A
				2	601	150	-	-	-	598	605	0.4	1.0	3.338	A
				3	418	105	-	-	-	419	412	0.4	0.4	3.384	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	135	34	1165	611	0.221	136	130	0.4	0.3	7.538	A
				3	2	0.47	525	252	0.007	2	3	0.0	0.0	6.692	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	10	3	1142	592	0.018	10	10	0.0	0.1	7.836	A
				2	101	25	1165	613	0.165	102	105	0.4	0.2	7.471	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	100	25	1165	610	0.164	100	98	0.3	0.3	8.968	A
		2	1	1	10	3	-	-	-	10	10	0.0	0.0	0.466	A
				2	236	59	-	-	-	236	233	0.0	0.0	0.130	A
				3	2	0.47	-	-	-	2	3	0.0	0.0	2.524	A
				4	100	25	-	-	-	100	98	0.1	0.0	0.398	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	236	59	1686	1402	0.168	235	229	0.2	0.3	3.167	A
			2	1	280	70	1686	1400	0.200	281	279	0.4	0.2	3.489	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	280	70	-	-	-	280	279	0.0	0.0	0.126	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	236	59	-	-	-	236	229	0.0	0.0	0.072	A
3	Entry	1	1	1	0.24	0.06	458	353	0.001	0.24	1	0.0	0.0	5.562	A
				2	332	83	1667	1319	0.252	333	339	0.5	0.2	3.281	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	330	83	1667	1319	0.250	331	334	0.3	0.2	3.140	A
				3	13	3	1601	1276	0.011	13	13	0.0	0.0	3.314	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0.24	0.06	-	-	-	0.24	1	0.0	0.0	0.000	A
				2	663	166	-	-	-	663	671	0.0	0.0	0.012	A
				3	13	3	-	-	-	13	13	0.0	0.0	0.043	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	344	86	1783	1228	0.280	341	337	0.8	0.6	5.140	A
				2	253	63	1783	1230	0.206	253	257	0.3	0.4	4.050	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	252	63	1783	1231	0.205	250	250	0.5	0.3	4.129	A
				3	346	87	1783	1226	0.282	350	351	0.7	0.5	5.323	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	343	86	-	-	-	344	336	0.6	0.0	0.768	A
				2	504	126	-	-	-	504	507	1.0	0.0	0.651	A
				3	346	87	-	-	-	346	350	0.4	0.0	0.822	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	102	26	1165	700	0.146	102	103	0.3	0.1	6.169	A
				3	2	0.59	343	201	0.012	2	1	0.0	0.0	7.301	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	9	2	982	588	0.015	9	9	0.1	0.0	6.386	A
				2	87	22	1165	701	0.124	88	83	0.2	0.0	5.504	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	75	19	1165	703	0.107	74	83	0.3	0.2	7.174	A
		2	1	1	9	2	-	-	-	9	8	0.0	0.0	0.049	A
				2	189	47	-	-	-	189	184	0.0	0.0	0.009	A
				3	2	0.59	-	-	-	2	1	0.0	0.0	0.000	A
				4	75	19	-	-	-	75	82	0.0	0.0	0.117	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	191	48	1686	1464	0.130	190	195	0.3	0.2	2.871	A
			2	1	236	59	1686	1461	0.161	235	229	0.2	0.3	3.146	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	236	59	-	-	-	236	230	0.0	0.1	0.046	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	191	48	-	-	-	191	195	0.0	0.0	0.022	A
3	Entry	1	1	1	1	0.29	555	461	0.003	1	1	0.0	0.0	3.319	A
				2	289	72	1667	1385	0.209	289	287	0.2	0.3	2.903	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	291	73	1667	1385	0.210	292	283	0.2	0.2	2.912	A
				3	11	3	1503	1246	0.009	11	8	0.0	0.0	2.585	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	1	0.29	-	-	-	1	1	0.0	0.0	0.000	A
				2	580	145	-	-	-	580	571	0.0	0.0	0.000	A
				3	11	3	-	-	-	11	8	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	291	73	1783	1305	0.223	292	285	0.6	0.2	4.199	A
				2	212	53	1783	1308	0.162	211	209	0.4	0.3	3.186	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	208	52	1783	1312	0.158	208	207	0.3	0.2	3.386	A
				3	275	69	1783	1307	0.211	276	287	0.5	0.3	4.266	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	291	73	-	-	-	291	284	0.0	0.0	0.173	A
				2	420	105	-	-	-	420	415	0.0	0.0	0.121	A
				3	275	69	-	-	-	275	286	0.0	0.0	0.180	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D9 - | Base + Com Dev + CaPCAM (5000) | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	9.63	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	9.63	A

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	999	✓	45.00
2	852	✓	110.00
3	1644	✓	35.00
4	947	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	Base + Com Dev + CaPCAM (5000)	AM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	803	100.000
2		ONE HOUR	✓	942	100.000
3		ONE HOUR	✓	447	100.000
4		ONE HOUR	✓	482	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	2	316	3	482
	2	317	0	0	625
	3	4	371	72	0
	4	81	199	202	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	11	0	2
	2	21	0	13	2
	3	25	12	1	4
	4	4	5	4	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	15.59	5.2	14.4	C	773	1160
2	9.12	3.2	11.4	A	939	1408
3	6.48	1.2	4.2	A	449	673
4	3.80	0.7	2.7	A	466	699

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	641	160	659	641	634	356	0.0	1.2	5.873	A
2	785	196	587	786	760	713	0.0	1.2	4.540	A
3	355	89	1162	359	359	212	0.0	0.3	3.868	A
4	370	92	649	365	371	872	0.0	0.7	2.864	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	757	189	831	750	748	446	1.2	2.3	8.393	A
2	945	236	701	943	928	881	1.2	1.6	5.532	A
3	445	111	1376	447	451	268	0.3	0.7	4.678	A
4	471	118	809	469	468	1014	0.7	0.6	3.295	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	932	233	1007	922	917	506	2.3	5.2	15.590	C
2	1117	279	864	1106	1110	1065	1.6	2.9	8.284	A
3	540	135	1649	544	543	320	0.7	0.8	5.954	A
4	561	140	948	565	560	1246	0.6	0.4	3.749	A

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	917	229	991	908	923	507	5.2	4.4	15.415	C
2	1111	278	839	1110	1120	1060	2.9	3.2	9.120	A
3	542	136	1639	540	545	311	0.8	1.2	6.476	A
4	553	138	947	552	552	1232	0.4	0.6	3.803	A

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	760	190	819	759	780	434	4.4	1.5	9.643	A
2	913	228	699	913	921	879	3.2	1.7	5.994	A
3	442	110	1354	436	444	258	1.2	0.9	5.211	A
4	463	116	790	463	458	1000	0.6	0.5	3.321	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	632	158	682	630	637	354	1.5	1.0	6.253	A
2	762	190	587	761	763	725	1.7	0.9	4.613	A
3	368	92	1132	368	372	217	0.9	0.5	4.238	A
4	376	94	659	377	381	841	0.5	0.3	3.050	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.15	0.00	0.20	2.57	3.70
2	1.20	0.00	0.26	2.49	2.70
3	0.33	0.00	0.00	0.90	3.00
4	0.65	0.00	0.00	2.08	2.74

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	2.30	0.00	1.14	4.85	7.70
2	1.56	0.00	0.55	3.70	4.70
3	0.70	0.00	0.00	1.64	3.00
4	0.61	0.00	0.00	1.28	1.85

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	5.15	0.00	2.73	11.20	11.30
2	2.92	0.00	0.80	6.85	11.40
3	0.82	0.00	0.00	1.82	2.57
4	0.44	0.00	0.00	1.07	1.62

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	4.41	0.00	2.25	10.40	14.40
2	3.23	0.00	1.60	6.85	6.95
3	1.24	0.00	0.14	2.91	4.23
4	0.62	0.00	0.00	1.48	2.35

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.55	0.00	0.75	2.95	3.68
2	1.68	0.00	0.68	4.13	5.35
3	0.91	0.00	0.00	1.73	2.85
4	0.53	0.00	0.00	1.28	1.85

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.02	0.00	0.00	2.63	3.23
2	0.86	0.00	0.00	1.88	2.85
3	0.55	0.00	0.00	1.47	2.43
4	0.30	0.00	0.00	0.71	0.92

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	173	970	0.178	173	172	0.0	0.3	4.435	A
			2	1, 2, 4	468	970	0.483	468	462	0.0	0.8	5.643	A
	Exit	1	1	(1, 2, 3, 4)	641			641	639	0.0	0.0	0.542	A
			1	1		356			356	349	0.0	0.0	0.000
2	Entry	1	1	3, 4	499	1319	0.378	498	478	0.0	0.7	4.035	A
			2	1, 2	288	1319	0.218	288	281	0.0	0.4	4.039	A
	Exit	1	1	(1, 2, 3, 4)	785			786	764	0.0	0.2	0.504	A
			1	1		713			713	718	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	166	1034	0.160	167	159	0.0	0.2	3.758	A
			2	2, 3	190	1034	0.183	192	200	0.0	0.2	3.943	A
	Exit	1	1	(1, 2, 3, 4)	355			355	360	0.0	0.0	0.007	A
			1	1		212			212	212	0.0	0.0	0.000
4	Entry	1	1	1, 2	142	1419	0.100	140	143	0.0	0.2	2.720	A
			2	2, 3, 4	227	1419	0.160	226	228	0.0	0.4	2.938	A
	Exit	1	1	(1, 2, 3, 4)	370			369	373	0.0	0.0	0.010	A
			1	1		872			872	844	0.0	0.0	0.000

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	216	892	0.242	216	218	0.3	0.4	5.262	A
			2	1, 2, 4	538	892	0.603	535	530	0.8	1.4	7.421	A
	Exit	1	1	(1, 2, 3, 4)	757			754	751	0.0	0.5	1.560	A
2	Entry	1	1	3, 4	584	1255	0.465	583	573	0.7	0.8	4.781	A
			2	1, 2	359	1255	0.286	360	355	0.4	0.6	4.501	A
	Exit	1	1	(1, 2, 3, 4)	945			943	929	0.2	0.2	0.845	A
3	Entry	1	1	1, 2, 4	206	937	0.220	205	204	0.2	0.3	4.501	A
			2	2, 3	241	937	0.258	243	248	0.2	0.4	4.718	A
	Exit	1	1	(1, 2, 3, 4)	445			447	453	0.0	0.0	0.057	A
4	Entry	1	1	1, 2	185	1322	0.140	185	179	0.2	0.3	3.111	A
			2	2, 3, 4	286	1322	0.217	284	288	0.4	0.3	3.356	A
	Exit	1	1	(1, 2, 3, 4)	471			471	468	0.0	0.0	0.033	A
	Exit	1	1		1014			1014	1003	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	283	814	0.348	287	285	0.4	0.5	6.529	A
			2	1, 2, 4	638	814	0.784	634	633	1.4	2.0	9.826	A
	Exit	1	1	(1, 2, 3, 4)	932			922	920	0.5	2.6	6.723	A
2	Entry	1	1	3, 4	702	1163	0.604	705	699	0.8	0.8	5.904	A
			2	1, 2	405	1163	0.348	401	411	0.6	0.8	5.245	A
	Exit	1	1	(1, 2, 3, 4)	1117			1107	1111	0.2	1.3	2.590	A
3	Entry	1	1	1, 2, 4	241	813	0.297	240	245	0.3	0.5	5.777	A
			2	2, 3	299	813	0.367	304	298	0.4	0.3	5.949	A
	Exit	1	1	(1, 2, 3, 4)	540			540	543	0.0	0.0	0.082	A
4	Entry	1	1	1, 2	223	1239	0.180	224	225	0.3	0.2	3.463	A
			2	2, 3, 4	339	1239	0.274	341	336	0.3	0.3	3.792	A
	Exit	1	1	(1, 2, 3, 4)	561			561	560	0.0	0.0	0.089	A
	Exit	1	1		1246			1246	1234	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	284	821	0.346	284	287	0.5	0.5	6.638	A
			2	1, 2, 4	627	821	0.764	624	636	2.0	1.9	10.015	B
	Exit	1	1	(1, 2, 3, 4)	917			911	922	2.6	2.0	6.402	A
2	Entry	1	1	3, 4	707	1177	0.600	706	701	0.8	1.3	6.086	A
			2	1, 2	406	1177	0.345	404	420	0.8	0.8	5.475	A
	Exit	1	1	(1, 2, 3, 4)	1111			1113	1122	1.3	1.1	3.245	A
3	Entry	1	1	1, 2, 4	250	818	0.305	249	249	0.5	0.5	6.075	A
			2	2, 3	293	818	0.358	290	296	0.3	0.7	6.425	A
	Exit	1	1	(1, 2, 3, 4)	542			542	546	0.0	0.1	0.205	A
4	Entry	1	1	1, 2	217	1240	0.175	217	217	0.2	0.2	3.549	A
			2	2, 3, 4	336	1240	0.271	335	335	0.3	0.4	3.874	A
	Exit	1	1	(1, 2, 3, 4)	553			553	553	0.0	0.0	0.057	A
	Exit	1	1		1232			1232	1234	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	226	898	0.251	225	230	0.5	0.3	5.342	A
			2	1, 2, 4	536	898	0.596	534	550	1.9	1.2	8.001	A
	Exit	1	1	(1, 2, 3, 4)	760			761	776	2.0	0.1	2.427	A
2	Entry	1	1	3, 4	562	1256	0.447	561	572	1.3	0.8	5.018	A
			2	1, 2	352	1256	0.280	352	350	0.8	0.6	4.808	A
	Exit	1	1	(1, 2, 3, 4)	913			913	918	1.1	0.3	1.057	A
3	Entry	1	1	1, 2, 4	197	947	0.208	195	197	0.5	0.3	5.031	A
			2	2, 3	243	947	0.257	241	247	0.7	0.5	5.071	A
	Exit	1	1	(1, 2, 3, 4)	442			440	442	0.1	0.2	0.155	A
4	Entry	1	1	1, 2	183	1334	0.137	183	177	0.2	0.2	3.102	A
			2	2, 3, 4	281	1334	0.210	280	281	0.4	0.3	3.409	A
	Exit	1	1	(1, 2, 3, 4)	463			463	457	0.0	0.0	0.031	A
	Exit	1	1		1000			1000	1029	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	176	960	0.183	177	175	0.3	0.1	4.376	A
			2	1, 2, 4	455	960	0.475	453	462	1.2	0.8	6.237	A
	Exit	1	1	(1, 2, 3, 4)	632			632	635	0.1	0.1	0.506	A
2	Entry	1	1	3, 4	472	1319	0.358	473	476	0.8	0.4	4.199	A
			2	1, 2	290	1319	0.220	289	286	0.6	0.4	4.271	A
	Exit	1	1	(1, 2, 3, 4)	762			762	760	0.3	0.0	0.392	A
3	Entry	1	1	1, 2, 4	163	1047	0.155	162	165	0.3	0.3	4.213	A
			2	2, 3	205	1047	0.196	206	207	0.5	0.3	4.236	A
	Exit	1	1	(1, 2, 3, 4)	368			368	371	0.2	0.0	0.018	A
4	Entry	1	1	1, 2	141	1413	0.100	142	148	0.2	0.1	2.918	A
			2	2, 3, 4	235	1413	0.166	234	233	0.3	0.2	3.096	A
	Exit	1	1	(1, 2, 3, 4)	376			376	380	0.0	0.0	0.022	A
	Exit	1	1		841			841	849	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.32	0.00	0.00	0.93	1.54
			2	0.80	0.00	0.00	1.95	3.00
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
2	Entry	1	1	0.65	0.00	0.00	1.68	3.00
			2	0.39	0.00	0.00	1.10	3.00
	Exit	1	1	0.15	0.00	0.00	0.00	0.00
3	Entry	1	1	0.18	0.00	0.00	0.43	0.84
			2	0.15	0.00	0.00	0.00	0.85
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.23	0.00	0.00	0.48	1.35
			2	0.39	0.00	0.00	0.88	3.00
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.39	0.00	0.00	1.23	1.78
			2	1.38	0.00	0.82	3.00	3.00
		2	1	0.53	0.00	0.00	1.20	3.70
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.76	0.00	0.00	1.74	3.00
			2	0.59	0.00	0.00	1.60	4.00
		2	1	0.20	0.00	0.00	0.00	0.35
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.33	0.00	0.00	0.81	2.00
			2	0.36	0.00	0.00	0.95	1.54
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.26	0.00	0.00	1.00	1.00
			2	0.35	0.00	0.00	0.85	1.43
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.53	0.00	0.00	1.43	1.84
			2	2.00	0.00	1.91	2.82	2.93
		2	1	2.62	0.00	0.00	7.70	8.60
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.85	0.00	0.00	3.00	3.00
			2	0.82	0.00	0.00	2.23	2.78
		2	1	1.26	0.00	0.00	4.20	8.35
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.52	0.00	0.00	2.00	2.00
			2	0.30	0.00	0.00	0.78	2.00
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.15	0.00	0.00	0.30	0.71
			2	0.29	0.00	0.00	0.72	2.00
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.48	0.00	0.00	1.68	3.00
			2	1.94	0.00	1.82	3.00	3.00
		2	1	1.98	0.00	0.00	7.40	10.70
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	1.33	0.00	0.67	3.00	3.00
			2	0.77	0.00	0.00	3.00	3.00
		2	1	1.12	0.00	0.00	3.47	4.50
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.48	0.00	0.00	1.40	3.00
			2	0.70	0.00	0.00	1.67	3.00
		2	1	0.06	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.21	0.00	0.00	0.49	0.85
			2	0.41	0.00	0.00	1.08	1.74
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.29	0.00	0.00	0.82	2.00
			2	1.17	0.00	0.44	3.00	3.00
	Exit	1	1	0.09	0.00	0.00	0.00	-0.30
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.80	0.00	0.10	1.70	3.00
			2	0.61	0.00	0.00	2.07	2.62
	Exit	1	1	0.29	0.00	0.00	0.40	2.23
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.27	0.00	0.00	0.80	2.00
			2	0.47	0.00	0.00	1.07	1.62
	Exit	1	1	0.17	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.21	0.00	0.00	0.54	0.87
			2	0.32	0.00	0.00	0.84	1.43
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.12	0.00	0.00	0.07	0.62
			2	0.82	0.00	0.00	3.00	3.00
	Exit	1	1	0.08	0.00	0.00	0.00	0.23
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.42	0.00	0.00	1.20	1.67
			2	0.42	0.00	0.00	1.55	3.00
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.29	0.00	0.00	0.72	2.00
			2	0.26	0.00	0.00	0.68	1.23
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.09	0.00	0.00	0.00	0.43
			2	0.21	0.00	0.00	1.00	1.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	170	42	1265	972	0.175	170	170	0.0	0.3	4.445	A
				3	3	0.82	651	511	0.006	3	3	0.0	0.0	3.898	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	2	0.41	383	307	0.005	2	1	0.0	0.0	4.701	A
				2	92	23	1265	969	0.095	93	95	0.0	0.1	4.470	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	374	94	1265	969	0.386	374	365	0.0	0.7	5.928	A
		2	1	1	2	0.41	-	-	-	2	1	0.0	0.0	0.365	A
				2	261	65	-	-	-	261	267	0.0	0.0	0.432	A
				3	3	0.82	-	-	-	3	3	0.0	0.0	0.727	A
				4	374	94	-	-	-	374	368	0.0	0.0	0.615	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	499	125	1651	1319	0.378	498	478	0.0	0.7	4.035	A
		2	2	1	288	72	1651	1322	0.218	288	281	0.0	0.4	4.039	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	287	72	-	-	-	288	283	0.0	0.1	0.509	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	498	124	-	-	-	499	481	0.0	0.0	0.501	A
3	Entry	1	1	1	4	1	921	650	0.006	5	4	0.0	0.0	5.667	A
				2	162	40	1559	1035	0.156	162	155	0.0	0.2	3.709	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	135	34	1559	1033	0.131	137	147	0.0	0.1	3.939	A
				3	55	14	1559	1038	0.053	56	52	0.0	0.0	3.953	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	1	-	-	-	4	4	0.0	0.0	0.000	A
				2	297	74	-	-	-	297	303	0.0	0.0	0.003	A
				3	55	14	-	-	-	55	53	0.0	0.0	0.028	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	62	16	1810	1416	0.044	61	62	0.0	0.1	2.792	A
				2	79	20	1810	1414	0.056	78	81	0.0	0.1	2.664	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	74	18	1810	1423	0.052	73	71	0.0	0.1	2.629	A
				3	154	38	1810	1419	0.108	153	157	0.0	0.3	3.077	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	62	16	-	-	-	62	62	0.0	0.0	0.001	A
				2	154	38	-	-	-	153	153	0.0	0.0	0.005	A
				3	154	38	-	-	-	154	158	0.0	0.0	0.017	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	213	53	1265	895	0.238	213	215	0.3	0.4	5.241	A
				3	3	0.68	690	506	0.005	3	3	0.0	0.0	6.715	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.55	556	396	0.006	2	2	0.0	0.0	10.266	B
				2	102	26	1265	894	0.114	101	99	0.1	0.2	5.552	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	434	109	1265	895	0.485	431	430	0.7	1.2	7.801	A
		2	1	1	2	0.55	-	-	-	2	2	0.0	0.0	0.527	A
				2	316	79	-	-	-	315	315	0.0	0.2	1.209	A
				3	3	0.68	-	-	-	3	3	0.0	0.0	0.045	A
				4	437	109	-	-	-	434	432	0.0	0.4	1.809	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	584	146	1651	1252	0.466	583	573	0.7	0.8	4.781	A
			2	1	359	90	1651	1253	0.286	360	355	0.4	0.6	4.501	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	359	90	-	-	-	359	355	0.1	0.1	0.866	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	585	146	-	-	-	584	574	0.0	0.1	0.834	A
3	Entry	1	1	1	4	1	992	614	0.007	4	5	0.0	0.0	4.807	A
				2	201	50	1559	935	0.216	201	199	0.2	0.3	4.494	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	178	45	1559	939	0.190	179	183	0.1	0.3	4.735	A
				3	63	16	1559	937	0.067	63	64	0.0	0.0	4.673	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	1	-	-	-	4	5	0.0	0.0	0.000	A
				2	379	95	-	-	-	380	384	0.0	0.0	0.051	A
				3	62	16	-	-	-	63	64	0.0	0.0	0.091	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	79	20	1810	1328	0.060	80	76	0.1	0.1	3.293	A
				2	106	26	1810	1325	0.080	105	104	0.1	0.2	2.977	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	82	21	1810	1320	0.062	82	89	0.1	0.1	3.031	A
				3	204	51	1810	1323	0.154	202	199	0.3	0.3	3.499	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	79	20	-	-	-	79	76	0.0	0.0	0.020	A
				2	188	47	-	-	-	188	193	0.0	0.0	0.021	A
				3	204	51	-	-	-	204	199	0.0	0.0	0.049	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	279	70	1265	812	0.344	283	281	0.4	0.5	6.531	A
				3	4	1	709	454	0.009	4	4	0.0	0.0	6.388	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	3	0.64	613	397	0.006	3	2	0.0	0.0	10.213	B
				2	90	23	1265	812	0.111	91	95	0.2	0.2	7.647	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	545	136	1265	813	0.671	541	536	1.2	1.8	10.177	B
		2	1	1	3	0.64	-	-	-	3	2	0.0	0.0	9.401	A
				2	381	95	-	-	-	369	376	0.2	1.3	6.089	A
				3	4	1	-	-	-	4	4	0.0	0.0	5.616	A
				4	544	136	-	-	-	545	538	0.4	1.3	7.124	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	702	175	1651	1163	0.603	705	699	0.8	0.8	5.904	A
		2	2	1	405	101	1651	1162	0.348	401	411	0.6	0.8	5.245	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	410	103	-	-	-	405	412	0.1	0.6	2.607	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	706	177	-	-	-	702	699	0.1	0.7	2.581	A
3	Entry	1	1	1	5	1	1039	554	0.008	5	5	0.0	0.0	7.145	A
				2	237	59	1559	813	0.291	235	239	0.3	0.5	5.750	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	214	54	1559	811	0.264	218	215	0.3	0.2	5.690	A
				3	85	21	1559	814	0.104	86	83	0.0	0.1	6.550	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	5	0.0	0.0	0.362	A
				2	451	113	-	-	-	451	454	0.0	0.0	0.062	A
				3	85	21	-	-	-	85	83	0.0	0.0	0.162	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	97	24	1810	1235	0.079	97	92	0.1	0.1	3.612	A
				2	125	31	1810	1235	0.102	127	132	0.2	0.1	3.358	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	111	28	1810	1237	0.090	111	104	0.1	0.1	3.209	A
				3	228	57	1810	1237	0.184	230	232	0.3	0.2	4.052	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	97	24	-	-	-	97	92	0.0	0.0	0.045	A
				2	236	59	-	-	-	236	237	0.0	0.0	0.060	A
				3	228	57	-	-	-	228	231	0.0	0.0	0.135	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	282	70	1265	818	0.345	282	284	0.5	0.5	6.624	A
				3	2	0.55	709	464	0.005	2	3	0.0	0.0	7.818	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	3	0.68	613	403	0.007	3	3	0.0	0.0	10.367	B
				2	92	23	1265	821	0.112	95	99	0.2	0.2	7.306	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	533	133	1265	821	0.649	526	534	1.8	1.8	10.472	B
		2	1	1	3	0.68	-	-	-	3	3	0.0	0.0	7.220	A
				2	375	94	-	-	-	373	383	1.3	0.7	5.987	A
				3	2	0.55	-	-	-	2	3	0.0	0.0	7.474	A
				4	537	134	-	-	-	533	534	1.3	1.3	6.666	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	707	177	1651	1178	0.600	706	701	0.8	1.3	6.086	A
			2	1	406	101	1651	1176	0.345	404	420	0.8	0.8	5.475	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	405	101	-	-	-	406	419	0.6	0.4	3.147	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	706	177	-	-	-	707	703	0.7	0.7	3.294	A
3	Entry	1	1	1	7	2	968	500	0.015	7	6	0.0	0.0	9.762	A
				2	242	61	1559	815	0.297	242	243	0.5	0.5	5.995	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	216	54	1559	815	0.265	214	217	0.2	0.5	6.124	A
				3	76	19	1559	806	0.094	77	79	0.1	0.2	7.174	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	8	2	-	-	-	7	6	0.0	0.0	0.099	A
				2	458	115	-	-	-	459	461	0.0	0.0	0.167	A
				3	77	19	-	-	-	76	79	0.0	0.0	0.411	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	92	23	1810	1228	0.075	93	91	0.1	0.1	3.783	A
				2	125	31	1810	1231	0.101	124	126	0.1	0.2	3.382	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	104	26	1810	1237	0.084	103	103	0.1	0.1	3.358	A
				3	233	58	1810	1237	0.188	232	232	0.2	0.3	4.101	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	92	23	-	-	-	92	91	0.0	0.0	0.016	A
				2	229	57	-	-	-	229	229	0.0	0.0	0.042	A
				3	233	58	-	-	-	233	232	0.0	0.0	0.087	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	223	56	1265	899	0.248	222	227	0.5	0.3	5.337	A
				3	3	0.77	594	420	0.007	3	3	0.0	0.0	5.718	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.50	536	373	0.005	2	2	0.0	0.0	10.087	B
				2	93	23	1265	898	0.103	93	91	0.2	0.2	6.007	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	441	110	1265	900	0.490	439	457	1.8	1.0	8.360	A
		2	1	1	2	0.50	-	-	-	2	2	0.0	0.0	1.490	A
				2	315	79	-	-	-	315	318	0.7	0.0	2.187	A
				3	3	0.77	-	-	-	3	3	0.0	0.0	1.844	A
				4	440	110	-	-	-	441	454	1.3	0.1	2.589	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	562	140	1651	1256	0.447	561	572	1.3	0.8	5.018	A
			2	1	352	88	1651	1255	0.280	352	350	0.8	0.6	4.808	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	352	88	-	-	-	352	349	0.4	0.2	1.071	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	561	140	-	-	-	562	569	0.7	0.1	1.050	A
3	Entry	1	1	1	4	1	968	582	0.007	4	5	0.0	0.0	5.841	A
				2	193	48	1559	948	0.204	191	192	0.5	0.3	5.012	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	179	45	1559	946	0.189	178	180	0.5	0.3	4.923	A
				3	64	16	1559	945	0.068	63	67	0.2	0.2	5.429	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	1	-	-	-	4	5	0.0	0.0	0.000	A
				2	374	93	-	-	-	372	370	0.0	0.2	0.141	A
				3	64	16	-	-	-	64	67	0.0	0.0	0.237	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	76	19	1810	1336	0.057	76	72	0.1	0.1	3.382	A
				2	107	27	1810	1333	0.080	107	105	0.2	0.1	2.907	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	89	22	1810	1332	0.066	88	86	0.1	0.1	2.964	A
				3	192	48	1810	1329	0.145	192	194	0.3	0.2	3.603	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	76	19	-	-	-	76	72	0.0	0.0	0.030	A
				2	195	49	-	-	-	195	191	0.0	0.0	0.021	A
				3	192	48	-	-	-	192	194	0.0	0.0	0.040	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	173	43	1265	959	0.180	174	173	0.3	0.1	4.392	A
				3	3	0.64	556	410	0.006	3	2	0.0	0.0	3.334	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	1	0.32	345	259	0.005	2	1	0.0	0.0	7.720	A
				2	84	21	1265	959	0.088	83	89	0.2	0.2	4.756	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	370	92	1265	959	0.385	369	372	1.0	0.6	6.560	A
		2	1	1	1	0.32	-	-	-	1	1	0.0	0.0	0.954	A
				2	258	64	-	-	-	258	261	0.0	0.0	0.401	A
				3	3	0.64	-	-	-	3	2	0.0	0.0	0.000	A
				4	370	92	-	-	-	370	371	0.1	0.1	0.576	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	472	118	1651	1318	0.358	473	476	0.8	0.4	4.199	A
			2	1	290	72	1651	1319	0.220	289	286	0.6	0.4	4.271	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	290	72	-	-	-	290	285	0.2	0.0	0.457	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	472	118	-	-	-	472	475	0.1	0.0	0.359	A
3	Entry	1	1	1	2	0.55	661	438	0.005	2	3	0.0	0.0	5.573	A
				2	160	40	1559	1050	0.153	160	162	0.3	0.3	4.193	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	149	37	1559	1046	0.143	150	150	0.3	0.2	4.209	A
				3	56	14	1559	1048	0.053	57	57	0.2	0.1	4.303	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.55	-	-	-	2	3	0.0	0.0	0.000	A
				2	310	77	-	-	-	310	311	0.2	0.0	0.013	A
				3	56	14	-	-	-	56	57	0.0	0.0	0.038	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	61	15	1810	1413	0.043	61	60	0.1	0.0	2.965	A
				2	81	20	1810	1412	0.057	82	87	0.1	0.0	2.886	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	76	19	1810	1410	0.054	77	76	0.1	0.1	2.741	A
				3	158	40	1810	1414	0.112	158	157	0.2	0.1	3.266	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	61	15	-	-	-	61	60	0.0	0.0	0.000	A
				2	157	39	-	-	-	157	163	0.0	0.0	0.012	A
				3	158	40	-	-	-	158	156	0.0	0.0	0.040	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D10 - | Base + Com Dev + CaPCAM (5000) | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	17.97	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	17.97	C

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	2115	✓	45.00
2	554	✓	110.00
3	897	✓	35.00
4	1439	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	Base + Com Dev + CaPCAM (5000)	PM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	459	100.000
2		ONE HOUR	✓	671	100.000
3		ONE HOUR	✓	866	100.000
4		ONE HOUR	✓	1402	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	11	341	2	105
	2	370	0	0	301
	3	2	852	12	0
	4	376	645	381	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	5	0	1
	2	4	0	11	2
	3	0	4	0	3
	4	1	1	1	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	21.11	3.0	9.6	C	435	653
2	4.04	0.9	3.0	A	638	958
3	4.20	1.3	3.8	A	829	1243
4	32.59	13.4	42.2	D	1295	1942

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	361	90	1455	361	357	578	0.0	0.8	6.341	A
2	518	129	392	518	518	1425	0.0	0.4	3.020	A
3	679	170	607	678	674	303	0.0	0.6	3.021	A
4	1061	265	973	1060	1059	312	0.0	1.3	4.121	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	418	105	1738	418	421	714	0.8	1.0	8.836	A
2	633	158	452	632	624	1704	0.4	0.7	3.478	A
3	816	204	733	813	806	350	0.6	1.0	3.436	A
4	1274	319	1174	1278	1272	373	1.3	2.2	6.682	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	512	128	2100	515	515	857	1.0	2.7	17.141	C
2	769	192	547	770	761	2067	0.7	0.9	4.044	A
3	997	249	893	995	991	424	1.0	1.3	4.147	A
4	1563	391	1437	1521	1514	452	2.2	12.9	20.628	C

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	530	132	2131	534	527	864	2.7	3.0	21.111	C
2	772	193	561	771	765	2104	0.9	0.8	3.935	A
3	997	249	901	999	992	430	1.3	1.0	4.195	A
4	1539	385	1441	1553	1555	460	12.9	13.4	32.594	D

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	430	107	1723	430	437	693	3.0	1.1	11.204	B
2	617	154	467	618	619	1686	0.8	0.5	3.563	A
3	800	200	722	801	807	362	1.0	0.8	3.535	A
4	1260	315	1152	1264	1313	372	13.4	2.4	10.433	B

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	362	91	1461	361	360	588	1.1	0.8	7.465	A
2	522	130	382	523	523	1440	0.5	0.4	3.154	A
3	683	171	609	683	682	296	0.8	0.6	3.193	A
4	1072	268	980	1069	1073	312	2.4	1.6	4.690	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.82	0.00	0.00	1.90	2.71
2	0.40	0.00	0.00	0.82	1.21
3	0.60	0.00	0.00	1.45	1.95
4	1.27	0.00	0.35	2.69	3.68

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.02	0.00	0.28	2.24	2.77
2	0.65	0.00	0.00	1.57	2.26
3	0.98	0.00	0.01	2.12	3.53
4	2.24	0.00	0.99	5.18	7.03

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	2.71	0.00	1.29	6.28	9.61
2	0.88	0.00	0.03	1.91	3.01
3	1.34	0.00	0.53	2.69	3.81
4	12.88	0.44	9.08	27.53	36.05

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	2.98	0.00	1.67	6.52	7.86
2	0.83	0.00	0.00	1.86	2.72
3	0.99	0.00	0.07	2.01	3.34
4	13.41	0.00	8.64	31.37	42.15

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.12	0.00	0.37	2.32	2.88
2	0.53	0.00	0.00	1.42	1.94
3	0.78	0.00	0.01	1.68	2.12
4	2.41	0.00	1.38	4.93	6.03

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.84	0.00	0.00	1.88	3.18
2	0.42	0.00	0.00	0.97	1.73
3	0.63	0.00	0.00	1.51	2.01
4	1.59	0.00	0.74	3.32	4.01

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	153	643	0.238	152	147	0.0	0.4	5.983	A
			2	1, 2, 4	208	643	0.324	209	210	0.0	0.4	6.495	A
	Exit	1	1	(1, 2, 3, 4)	361			361	360	0.0	0.0	0.056	A
			1	1		578			578	581	0.0	0.0	0.000
2	Entry	1	1	3, 4	230	1450	0.159	231	229	0.0	0.1	2.871	A
			2	1, 2	288	1450	0.198	287	289	0.0	0.2	3.079	A
	Exit	1	1	(1, 2, 3, 4)	518			518	519	0.0	0.0	0.033	A
			1	1		1425			1425	1422	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	334	1319	0.253	334	334	0.0	0.3	3.021	A
			2	2, 3	344	1319	0.261	343	340	0.0	0.3	3.016	A
	Exit	1	1	(1, 2, 3, 4)	679			679	677	0.0	0.0	0.002	A
			1	1		303			303	297	0.0	0.0	0.000
4	Entry	1	1	1, 2	527	1229	0.429	527	527	0.0	0.5	3.940	A
			2	2, 3, 4	532	1229	0.433	533	532	0.0	0.6	3.851	A
	Exit	1	1	(1, 2, 3, 4)	1061			1059	1064	0.0	0.1	0.224	A
			1	1		312			312	309	0.0	0.0	0.000

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	180	547	0.329	181	180	0.4	0.4	8.022	A
			2	1, 2, 4	239	547	0.436	238	241	0.4	0.7	9.003	A
	Exit	1	1	(1, 2, 3, 4)	418			419	422	0.0	0.0	0.247	A
2	Entry	1	1	3, 4	281	1414	0.199	280	276	0.1	0.3	3.226	A
			2	1, 2	351	1414	0.248	352	347	0.2	0.3	3.486	A
	Exit	1	1	(1, 2, 3, 4)	633			633	625	0.0	0.0	0.109	A
3	Entry	1	1	1, 2, 4	410	1251	0.328	407	401	0.3	0.5	3.424	A
			2	2, 3	405	1251	0.324	405	405	0.3	0.4	3.435	A
	Exit	1	1	(1, 2, 3, 4)	816			816	808	0.0	0.0	0.006	A
4	Entry	1	1	1, 2	641	1121	0.572	643	637	0.5	0.8	5.272	A
			2	2, 3, 4	633	1121	0.565	636	636	0.6	0.9	5.243	A
	Exit	1	1	(1, 2, 3, 4)	1274			1274	1275	0.1	0.5	1.422	A
	Exit	1	1		373			373	368	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	229	425	0.539	232	230	0.4	0.9	13.432	B
			2	1, 2, 4	283	425	0.665	283	285	0.7	1.3	15.258	C
	Exit	1	1	(1, 2, 3, 4)	512			512	520	0.0	0.6	2.657	A
2	Entry	1	1	3, 4	340	1357	0.250	340	337	0.3	0.3	3.503	A
			2	1, 2	431	1357	0.317	430	424	0.3	0.6	3.967	A
	Exit	1	1	(1, 2, 3, 4)	769			770	762	0.0	0.0	0.283	A
3	Entry	1	1	1, 2, 4	494	1165	0.424	493	494	0.5	0.6	4.103	A
			2	2, 3	504	1165	0.432	502	497	0.4	0.7	4.082	A
	Exit	1	1	(1, 2, 3, 4)	997			997	992	0.0	0.0	0.054	A
4	Entry	1	1	1, 2	763	979	0.779	760	755	0.8	1.8	7.190	A
			2	2, 3, 4	760	979	0.776	760	760	0.9	1.7	7.333	A
	Exit	1	1	(1, 2, 3, 4)	1563			1524	1521	0.5	9.4	13.335	B
	Exit	1	1		452			452	451	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	239	415	0.576	239	235	0.9	1.0	15.334	C
			2	1, 2, 4	295	415	0.711	295	292	1.3	1.4	17.137	C
	Exit	1	1	(1, 2, 3, 4)	530			534	528	0.6	0.6	4.769	A
2	Entry	1	1	3, 4	342	1349	0.254	342	337	0.3	0.3	3.568	A
			2	1, 2	429	1349	0.318	429	428	0.6	0.5	3.872	A
	Exit	1	1	(1, 2, 3, 4)	772			772	764	0.0	0.1	0.199	A
3	Entry	1	1	1, 2, 4	497	1161	0.428	498	495	0.6	0.5	4.129	A
			2	2, 3	501	1161	0.431	501	497	0.7	0.5	4.168	A
	Exit	1	1	(1, 2, 3, 4)	997			998	991	0.0	0.0	0.047	A
4	Entry	1	1	1, 2	777	977	0.796	779	775	1.8	1.7	7.794	A
			2	2, 3, 4	772	977	0.790	775	780	1.7	1.5	7.799	A
	Exit	1	1	(1, 2, 3, 4)	1539			1549	1554	9.4	10.2	24.789	C
	Exit	1	1		460			460	454	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	183	553	0.332	184	189	1.0	0.4	9.748	A
			2	1, 2, 4	246	553	0.446	245	248	1.4	0.7	11.053	B
	Exit	1	1	(1, 2, 3, 4)	430			430	432	0.6	0.1	0.775	A
2	Entry	1	1	3, 4	275	1405	0.196	275	273	0.3	0.2	3.308	A
			2	1, 2	342	1405	0.243	343	347	0.5	0.3	3.536	A
	Exit	1	1	(1, 2, 3, 4)	617			617	618	0.1	0.0	0.129	A
3	Entry	1	1	1, 2, 4	401	1257	0.319	401	403	0.5	0.4	3.512	A
			2	2, 3	399	1257	0.318	400	404	0.5	0.4	3.539	A
	Exit	1	1	(1, 2, 3, 4)	800			800	806	0.0	0.0	0.009	A
4	Entry	1	1	1, 2	632	1132	0.558	633	658	1.7	1.0	5.732	A
			2	2, 3, 4	630	1132	0.557	631	655	1.5	1.0	5.807	A
	Exit	1	1	(1, 2, 3, 4)	1260			1262	1308	10.2	0.4	4.764	A
	Exit	1	1		372			372	371	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	152	641	0.237	152	151	0.4	0.3	7.079	A
			2	1, 2, 4	210	641	0.328	209	209	0.7	0.5	7.560	A
	Exit	1	1	(1, 2, 3, 4)	362			362	359	0.1	0.0	0.106	A
2	Entry	1	1	3, 4	234	1456	0.160	234	233	0.2	0.2	2.989	A
			2	1, 2	288	1456	0.198	289	289	0.3	0.2	3.208	A
	Exit	1	1	(1, 2, 3, 4)	522			522	522	0.0	0.0	0.045	A
3	Entry	1	1	1, 2, 4	342	1318	0.259	342	341	0.4	0.3	3.154	A
			2	2, 3	341	1318	0.259	341	341	0.4	0.3	3.229	A
	Exit	1	1	(1, 2, 3, 4)	683			683	682	0.0	0.0	0.002	A
4	Entry	1	1	1, 2	540	1225	0.441	538	536	1.0	0.8	4.310	A
			2	2, 3, 4	532	1225	0.434	531	537	1.0	0.7	4.341	A
	Exit	1	1	(1, 2, 3, 4)	1072			1072	1071	0.4	0.1	0.367	A
	Exit	1	1		312			312	311	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.36	0.00	0.00	0.89	1.39
			2	0.44	0.00	0.00	0.98	1.67
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
2	Entry	1	1	0.15	0.00	0.00	0.24	0.67
			2	0.25	0.00	0.00	0.59	0.90
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
3	Entry	1	1	0.31	0.00	0.00	0.75	0.98
			2	0.28	0.00	0.00	0.74	1.12
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.54	0.00	0.00	1.36	1.89
			2	0.59	0.00	0.00	1.42	1.94
	Exit	1	1	0.13	0.00	0.00	0.00	0.01
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.36	0.00	0.00	0.84	2.00
			2	0.66	0.00	0.00	1.34	1.94
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.30	0.00	0.00	0.73	0.97
			2	0.34	0.00	0.00	0.84	1.51
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.55	0.00	0.00	1.21	1.80
			2	0.42	0.00	0.00	1.01	1.75
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.84	0.00	0.01	1.97	3.00
			2	0.95	0.00	0.24	3.00	3.00
	Exit	1	1	0.45	0.00	0.00	0.44	3.26
			1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.87	0.00	0.11	1.93	2.47
			2	1.26	0.00	0.58	2.54	2.79
	Exit	1	1	0.57	0.00	0.00	0.82	4.05
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.29	0.00	0.00	0.73	0.97
			2	0.55	0.00	0.00	1.44	2.13
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.61	0.00	0.00	1.19	1.75
			2	0.71	0.00	0.00	1.66	3.00
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.80	0.00	1.44	3.00	3.00
			2	1.69	0.00	1.21	3.00	3.00
	Exit	1	1	9.39	0.00	5.21	25.03	32.03
			1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	1.01	0.00	0.31	3.00	3.00
			2	1.42	0.00	0.73	2.68	2.89
	Exit	1	1	0.56	0.00	0.00	1.02	4.02
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.32	0.00	0.00	0.82	1.28
			2	0.46	0.00	0.00	1.15	1.79
	Exit	1	1	0.05	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.48	0.00	0.00	0.94	1.67
			2	0.50	0.00	0.00	1.18	1.71
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.68	0.00	1.23	2.72	2.87
			2	1.49	0.00	0.96	3.00	3.00
	Exit	1	1	10.25	0.00	4.69	27.55	38.20
			1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.38	0.00	0.00	0.90	1.39
			2	0.70	0.00	-0.01	1.50	1.91
	Exit	1	1	0.05	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.22	0.00	0.00	0.52	0.85
			2	0.30	0.00	0.00	0.83	1.46
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.40	0.00	0.00	0.85	1.12
			2	0.37	0.00	0.00	0.82	1.12
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.02	0.00	0.32	3.00	3.00
			2	1.00	0.00	0.27	3.00	3.00
	Exit	1	1	0.39	0.00	0.00	1.02	2.68
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.30	0.00	0.00	0.75	1.01
			2	0.50	0.00	0.00	1.32	1.79
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.18	0.00	0.00	0.38	0.94
			2	0.23	0.00	0.00	0.58	1.01
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.31	0.00	0.00	0.75	0.98
			2	0.32	0.00	0.00	0.75	0.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.83	0.00	0.09	1.80	3.00
			2	0.70	0.00	0.00	1.74	3.00
	Exit	1	1	0.06	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	151	38	1135	645	0.234	151	146	0.0	0.4	5.971	A
				3	2	0.40	330	203	0.008	2	1	0.0	0.0	7.300	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	8	2	957	576	0.013	8	8	0.0	0.1	7.089	A
				2	120	30	1135	641	0.187	120	122	0.0	0.2	6.058	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	81	20	1135	644	0.125	81	80	0.0	0.2	7.076	A
		2	1	1	8	2	-	-	-	8	8	0.0	0.0	0.225	A
				2	271	68	-	-	-	271	271	0.0	0.0	0.030	A
				3	2	0.40	-	-	-	2	1	0.0	0.0	0.000	A
				4	81	20	-	-	-	81	80	0.0	0.0	0.123	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	230	58	1686	1450	0.159	231	229	0.0	0.1	2.871	A
		2	2	1	288	72	1686	1451	0.198	287	289	0.0	0.2	3.079	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	288	72	-	-	-	288	290	0.0	0.0	0.039	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	230	58	-	-	-	230	230	0.0	0.0	0.025	A
3	Entry	1	1	1	1	0.34	515	425	0.003	1	1	0.0	0.0	3.006	A
				2	333	83	1646	1320	0.252	333	333	0.0	0.3	3.021	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	334	84	1646	1319	0.253	333	330	0.0	0.3	3.005	A
				3	10	3	1472	1187	0.009	10	9	0.0	0.0	3.393	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	1	0.34	-	-	-	1	1	0.0	0.0	0.000	A
				2	667	167	-	-	-	667	666	0.0	0.0	0.002	A
				3	10	3	-	-	-	10	9	0.0	0.0	0.025	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	282	70	1752	1229	0.229	282	283	0.0	0.3	4.343	A
				2	245	61	1752	1229	0.200	245	244	0.0	0.2	3.472	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	243	61	1752	1231	0.198	242	246	0.0	0.3	3.420	A
				3	289	72	1752	1230	0.235	291	286	0.0	0.3	4.223	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	282	71	-	-	-	282	285	0.0	0.1	0.276	A
				2	489	122	-	-	-	488	492	0.0	0.0	0.183	A
				3	290	72	-	-	-	289	287	0.0	0.1	0.241	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	178	45	1135	548	0.325	179	178	0.4	0.4	8.006	A
				3	2	0.49	437	219	0.009	2	2	0.0	0.0	9.487	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	9	2	1027	501	0.018	9	10	0.1	0.0	9.561	A
				2	136	34	1135	550	0.248	136	140	0.2	0.3	8.298	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	93	23	1135	549	0.169	92	92	0.2	0.3	9.980	A
		2	1	1	9	2	-	-	-	9	9	0.0	0.0	0.277	A
				2	315	79	-	-	-	315	318	0.0	0.0	0.186	A
				3	2	0.49	-	-	-	2	2	0.0	0.0	0.401	A
				4	93	23	-	-	-	93	92	0.0	0.0	0.443	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	281	70	1686	1415	0.199	280	276	0.1	0.3	3.226	A
			2	1	351	88	1686	1416	0.248	352	347	0.2	0.3	3.486	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	351	88	-	-	-	351	348	0.0	0.0	0.129	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	281	70	-	-	-	281	277	0.0	0.0	0.084	A
3	Entry	1	1	1	2	0.44	533	406	0.004	2	2	0.0	0.0	3.528	A
				2	408	102	1646	1250	0.327	406	400	0.3	0.5	3.424	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	393	98	1646	1251	0.314	393	394	0.3	0.4	3.421	A
				3	12	3	1536	1178	0.011	13	11	0.0	0.0	3.932	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.44	-	-	-	2	2	0.0	0.0	0.000	A
				2	802	200	-	-	-	801	795	0.0	0.0	0.006	A
				3	12	3	-	-	-	12	11	0.0	0.0	0.026	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	350	87	1752	1122	0.312	351	343	0.3	0.5	5.833	A
				2	291	73	1752	1122	0.260	291	294	0.2	0.3	4.618	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	299	75	1752	1122	0.266	300	294	0.3	0.4	4.600	A
				3	334	84	1752	1120	0.299	336	342	0.3	0.5	5.794	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	350	87	-	-	-	350	343	0.1	0.1	1.481	A
				2	590	148	-	-	-	590	588	0.0	0.2	1.350	A
				3	335	84	-	-	-	334	343	0.1	0.1	1.486	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	228	57	1135	426	0.534	230	229	0.4	0.9	13.422	B
				3	2	0.42	406	160	0.010	2	2	0.0	0.0	14.860	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	12	3	1052	400	0.029	11	11	0.0	0.1	16.408	C
				2	158	40	1135	423	0.374	160	160	0.3	0.6	14.009	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	113	28	1135	427	0.264	112	114	0.3	0.6	16.818	C
		2	1	1	11	3	-	-	-	12	11	0.0	0.0	3.719	A
				2	385	96	-	-	-	386	391	0.0	0.4	2.273	A
				3	2	0.44	-	-	-	2	2	0.0	0.0	3.219	A
				4	113	28	-	-	-	113	115	0.0	0.2	3.792	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	340	85	1686	1358	0.250	340	337	0.3	0.3	3.503	A
			2	1	431	108	1686	1360	0.317	430	424	0.3	0.6	3.967	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	430	108	-	-	-	431	425	0.0	0.0	0.318	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	339	85	-	-	-	340	337	0.0	0.0	0.240	A
3	Entry	1	1	1	2	0.47	589	422	0.004	2	2	0.0	0.0	4.723	A
				2	492	123	1646	1166	0.422	491	492	0.5	0.6	4.100	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	490	123	1646	1167	0.420	489	484	0.4	0.7	4.058	A
				3	13	3	1591	1128	0.012	13	13	0.0	0.0	4.919	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.47	-	-	-	2	2	0.0	0.0	0.030	A
				2	982	245	-	-	-	982	977	0.0	0.0	0.054	A
				3	13	3	-	-	-	13	13	0.0	0.0	0.103	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	416	104	1752	981	0.424	414	405	0.5	1.1	7.969	A
				2	347	87	1752	978	0.355	346	349	0.3	0.7	6.284	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	351	88	1752	980	0.359	351	348	0.4	0.7	6.373	A
				3	409	102	1752	980	0.417	409	411	0.5	1.0	8.145	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	426	106	-	-	-	416	408	0.1	2.5	13.638	B
				2	715	179	-	-	-	698	700	0.2	4.2	12.970	B
				3	422	105	-	-	-	409	413	0.1	2.7	13.654	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	237	59	1135	414	0.572	237	233	0.9	1.0	15.339	C
				3	2	0.45	444	166	0.011	2	2	0.0	0.0	14.757	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	12	3	1084	398	0.031	13	13	0.1	0.0	18.273	C
				2	165	41	1135	416	0.397	165	163	0.6	0.8	15.767	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	117	29	1135	415	0.283	118	117	0.6	0.6	18.875	C
		2	1	1	12	3	-	-	-	12	12	0.0	0.0	5.999	A
				2	400	100	-	-	-	402	397	0.4	0.4	4.318	A
				3	2	0.44	-	-	-	2	2	0.0	0.0	4.735	A
				4	116	29	-	-	-	117	116	0.2	0.1	6.124	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	342	86	1686	1350	0.254	342	337	0.3	0.3	3.568	A
			2	1	429	107	1686	1350	0.318	429	428	0.6	0.5	3.872	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	429	107	-	-	-	429	427	0.0	0.0	0.219	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	343	86	-	-	-	342	337	0.0	0.0	0.174	A
3	Entry	1	1	1	3	0.67	662	472	0.006	3	2	0.0	0.0	4.298	A
				2	494	124	1646	1161	0.426	495	493	0.6	0.5	4.128	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	487	122	1646	1160	0.420	488	483	0.7	0.5	4.156	A
				3	14	3	1591	1126	0.012	14	14	0.0	0.0	4.584	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.67	-	-	-	3	2	0.0	0.0	0.093	A
				2	981	245	-	-	-	981	975	0.0	0.0	0.046	A
				3	14	3	-	-	-	14	14	0.0	0.0	0.147	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	418	104	1752	975	0.429	419	414	1.1	1.0	8.697	A
				2	359	90	1752	978	0.367	360	361	0.7	0.7	6.758	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	358	89	1752	976	0.366	360	358	0.7	0.5	6.789	A
				3	414	104	1752	977	0.424	415	422	1.0	0.9	8.655	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	419	105	-	-	-	418	414	2.5	3.0	24.872	C
				2	706	177	-	-	-	717	718	4.2	4.4	24.670	C
				3	414	103	-	-	-	414	421	2.7	2.8	24.908	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	182	45	1135	551	0.330	183	187	1.0	0.4	9.745	A
				3	2	0.42	393	181	0.009	2	2	0.0	0.0	10.062	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	8	2	1027	483	0.017	8	10	0.0	0.0	12.275	B
				2	141	35	1135	550	0.257	141	141	0.8	0.4	10.008	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	96	24	1135	551	0.175	96	98	0.6	0.3	12.366	B
		2	1	1	8	2	-	-	-	8	10	0.0	0.0	1.351	A
				2	323	81	-	-	-	323	324	0.4	0.0	0.620	A
				3	2	0.42	-	-	-	2	2	0.0	0.0	0.362	A
				4	96	24	-	-	-	96	97	0.1	0.0	1.219	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	275	69	1686	1405	0.196	275	273	0.3	0.2	3.308	A
			2	1	342	85	1686	1406	0.243	343	347	0.5	0.3	3.536	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	342	85	-	-	-	342	346	0.0	0.0	0.129	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	275	69	-	-	-	275	272	0.0	0.0	0.129	A
3	Entry	1	1	1	2	0.40	570	429	0.004	2	2	0.0	0.0	3.990	A
				2	399	100	1646	1255	0.318	400	401	0.5	0.4	3.510	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	389	97	1646	1256	0.310	389	394	0.5	0.4	3.522	A
				3	11	3	1481	1128	0.010	11	10	0.0	0.0	4.187	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.40	-	-	-	2	2	0.0	0.0	0.000	A
				2	788	197	-	-	-	788	795	0.0	0.0	0.009	A
				3	11	3	-	-	-	11	10	0.0	0.0	0.063	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	341	85	1752	1132	0.301	341	354	1.0	0.7	6.405	A
				2	291	73	1752	1130	0.257	292	304	0.7	0.3	4.947	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	280	70	1752	1129	0.248	281	294	0.5	0.4	5.028	A
				3	350	88	1752	1132	0.309	350	360	0.9	0.6	6.444	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	340	85	-	-	-	341	353	3.0	0.1	4.755	A
				2	570	143	-	-	-	571	596	4.4	0.2	4.695	A
				3	349	87	-	-	-	350	359	2.8	0.1	4.886	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	150	38	1135	643	0.234	150	149	0.4	0.3	7.065	A
				3	2	0.42	374	208	0.008	2	2	0.0	0.0	8.343	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	8	2	1008	565	0.014	8	9	0.0	0.0	8.139	A
				2	124	31	1135	642	0.193	123	123	0.4	0.3	6.968	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	79	20	1135	645	0.122	78	78	0.3	0.2	8.400	A
		2	1	1	8	2	-	-	-	8	8	0.0	0.0	0.191	A
				2	274	69	-	-	-	274	272	0.0	0.0	0.067	A
				3	2	0.42	-	-	-	2	2	0.0	0.0	0.000	A
				4	78	20	-	-	-	79	77	0.0	0.0	0.229	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	234	58	1686	1456	0.160	234	233	0.2	0.2	2.989	A
			2	1	288	72	1686	1455	0.198	289	289	0.3	0.2	3.208	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	288	72	-	-	-	288	289	0.0	0.0	0.058	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	234	58	-	-	-	234	233	0.0	0.0	0.030	A
3	Entry	1	1	1	1	0.30	506	403	0.003	1	1	0.0	0.0	3.037	A
				2	341	85	1646	1318	0.258	341	340	0.4	0.3	3.154	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	332	83	1646	1321	0.252	332	332	0.4	0.3	3.220	A
				3	9	2	1545	1232	0.007	9	9	0.0	0.0	3.559	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	1	0.30	-	-	-	1	1	0.0	0.0	0.000	A
				2	673	168	-	-	-	673	671	0.0	0.0	0.002	A
				3	9	2	-	-	-	9	9	0.0	0.0	0.004	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	291	73	1752	1227	0.237	290	287	0.7	0.5	4.737	A
				2	249	62	1752	1227	0.203	248	249	0.3	0.4	3.820	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	245	61	1752	1229	0.200	245	245	0.4	0.3	3.795	A
				3	287	72	1752	1226	0.234	286	292	0.6	0.4	4.799	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	291	73	-	-	-	291	286	0.1	0.0	0.391	A
				2	495	124	-	-	-	495	494	0.2	0.0	0.324	A
				3	287	72	-	-	-	287	292	0.1	0.0	0.415	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D11 - | Base + Com Dev + CaPCAM (2550) 30/70 SPLIT | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	9.43	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	9.43	A

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	952	✓	45.00
2	908	✓	110.00
3	1453	✓	35.00
4	817	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	Base + Com Dev + CaPCAM (2550) 30/70 SPLIT	AM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	815	100.000
2		ONE HOUR	✓	722	100.000
3		ONE HOUR	✓	419	100.000
4		ONE HOUR	✓	468	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	284	3	526	
	2	230	0	492	
	3	4	343	72	0
	4	81	185	202	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	11	0	2
	2	21	0	13	2
	3	25	12	1	4
	4	4	5	4	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	17.63	5.0	13.6	C	790	1185
2	6.67	1.8	5.4	A	716	1074
3	5.16	0.8	2.5	A	422	633
4	3.44	0.5	1.9	A	448	673

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	657	164	645	658	643	281	0.0	1.1	6.024	A
2	583	146	626	586	588	676	0.0	0.6	3.919	A
3	347	87	1004	347	345	208	0.0	0.3	3.602	A
4	367	92	559	366	369	792	0.0	0.3	2.723	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	771	193	775	773	767	331	1.1	1.8	8.711	A
2	698	174	737	699	697	811	0.6	1.0	4.789	A
3	417	104	1184	419	414	252	0.3	0.5	4.212	A
4	435	109	672	435	437	930	0.3	0.4	2.999	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	945	236	938	945	932	413	1.8	4.3	15.304	C
2	869	217	905	869	862	979	1.0	1.8	6.472	A
3	494	123	1457	495	503	316	0.5	0.7	5.083	A
4	546	137	806	546	541	1147	0.4	0.5	3.341	A

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	945	236	967	940	934	407	4.3	5.0	17.626	C
2	862	215	911	859	861	995	1.8	1.7	6.667	A
3	515	129	1448	515	508	322	0.7	0.8	5.160	A
4	543	136	829	544	545	1134	0.5	0.5	3.442	A

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	777	194	767	778	786	337	5.0	1.9	9.563	A
2	705	176	748	706	703	798	1.7	0.8	5.041	A
3	415	104	1196	416	418	258	0.8	0.7	4.490	A
4	429	107	676	429	441	937	0.5	0.3	3.078	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	643	161	650	642	647	275	1.9	1.2	6.448	A
2	582	145	619	582	593	673	0.8	0.8	4.111	A
3	346	86	989	346	342	213	0.7	0.4	3.870	A
4	370	93	555	370	372	780	0.3	0.3	2.789	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.14	0.00	0.25	2.73	3.57
2	0.56	0.00	0.00	1.23	2.13
3	0.31	0.00	0.00	0.78	1.18
4	0.27	0.00	0.00	0.68	1.11

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.79	0.00	0.64	4.04	5.33
2	0.98	0.00	0.00	2.49	3.11
3	0.51	0.00	0.00	1.25	1.90
4	0.37	0.00	0.00	0.83	1.33

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	4.30	0.00	2.68	9.33	12.55
2	1.78	0.00	0.81	3.79	5.41
3	0.71	0.00	0.00	1.78	2.46
4	0.53	0.00	0.00	1.35	1.81

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	4.95	0.00	2.66	10.70	13.55
2	1.68	0.00	0.63	3.90	5.33
3	0.79	0.00	0.00	1.77	2.53
4	0.51	0.00	0.00	1.25	1.90

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.91	0.00	0.83	4.10	6.38
2	0.79	0.00	0.00	1.82	2.91
3	0.66	0.00	0.00	1.74	2.46
4	0.34	0.00	0.00	0.87	1.42

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.18	0.00	0.14	3.03	3.87
2	0.77	0.00	0.00	1.79	2.94
3	0.40	0.00	0.00	0.85	1.21
4	0.30	0.00	0.00	0.75	1.08

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	163	979	0.166	163	160	0.0	0.2	4.408	A
			2	1, 2, 4	495	979	0.505	495	483	0.0	0.9	5.759	A
	Exit	1	1	(1, 2, 3, 4)	657			658	647	0.0	0.1	0.580	A
			1	1		281			281	281	0.0	0.0	0.000
2	Entry	1	1	3, 4	374	1295	0.288	375	377	0.0	0.3	3.719	A
			2	1, 2	209	1295	0.162	211	211	0.0	0.2	3.908	A
	Exit	1	1	(1, 2, 3, 4)	583			583	590	0.0	0.0	0.139	A
			1	1		676			676	671	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	155	1105	0.141	156	152	0.0	0.1	3.555	A
			2	2, 3	191	1105	0.173	192	192	0.0	0.2	3.628	A
	Exit	1	1	(1, 2, 3, 4)	347			347	346	0.0	0.0	0.007	A
			1	1		208			208	213	0.0	0.0	0.000
4	Entry	1	1	1, 2	144	1479	0.097	143	143	0.0	0.1	2.624	A
			2	2, 3, 4	223	1479	0.151	223	225	0.0	0.1	2.767	A
	Exit	1	1	(1, 2, 3, 4)	367			367	370	0.0	0.0	0.011	A
			1	1		792			792	779	0.0	0.0	0.000

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	206	920	0.223	205	201	0.2	0.4	4.981	A
			2	1, 2, 4	566	920	0.616	568	565	0.9	1.1	7.373	A
	Exit	1	1	(1, 2, 3, 4)	771			772	768	0.1	0.4	1.937	A
2	Entry	1	1	3, 4	447	1233	0.363	448	450	0.3	0.6	4.443	A
			2	1, 2	251	1233	0.204	251	247	0.2	0.4	4.375	A
	Exit	1	1	(1, 2, 3, 4)	698			699	699	0.0	0.0	0.368	A
3	Entry	1	1	1, 2, 4	189	1019	0.185	189	185	0.1	0.2	4.141	A
			2	2, 3	229	1019	0.224	229	229	0.2	0.3	4.247	A
	Exit	1	1	(1, 2, 3, 4)	417			418	415	0.0	0.0	0.011	A
4	Entry	1	1	1, 2	168	1409	0.119	169	170	0.1	0.1	2.868	A
			2	2, 3, 4	267	1409	0.189	266	267	0.1	0.3	3.037	A
	Exit	1	1	(1, 2, 3, 4)	435			435	438	0.0	0.0	0.027	A
	Exit	1	1		930			930	931	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	272	846	0.321	273	267	0.4	0.5	6.111	A
			2	1, 2, 4	672	846	0.794	672	666	1.1	1.9	9.640	A
	Exit	1	1	(1, 2, 3, 4)	945			944	936	0.4	2.0	6.610	A
2	Entry	1	1	3, 4	561	1139	0.492	561	556	0.6	0.9	5.390	A
			2	1, 2	309	1139	0.271	308	306	0.4	0.6	5.042	A
	Exit	1	1	(1, 2, 3, 4)	869			870	864	0.0	0.3	1.190	A
3	Entry	1	1	1, 2, 4	223	889	0.251	224	225	0.2	0.3	5.001	A
			2	2, 3	271	889	0.305	271	278	0.3	0.4	5.035	A
	Exit	1	1	(1, 2, 3, 4)	494			494	504	0.0	0.0	0.063	A
4	Entry	1	1	1, 2	215	1326	0.162	214	213	0.1	0.3	3.099	A
			2	2, 3, 4	331	1326	0.250	332	328	0.3	0.3	3.439	A
	Exit	1	1	(1, 2, 3, 4)	546			546	542	0.0	0.0	0.036	A
	Exit	1	1		1147			1147	1140	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	275	833	0.330	273	267	0.5	0.6	6.111	A
			2	1, 2, 4	666	833	0.799	667	666	1.9	1.9	9.971	A
	Exit	1	1	(1, 2, 3, 4)	945			941	934	2.0	2.5	8.696	A
2	Entry	1	1	3, 4	551	1136	0.485	547	551	0.9	1.0	5.528	A
			2	1, 2	310	1136	0.273	312	310	0.6	0.4	5.261	A
	Exit	1	1	(1, 2, 3, 4)	862			861	860	0.3	0.3	1.224	A
3	Entry	1	1	1, 2, 4	232	894	0.260	232	230	0.3	0.4	5.037	A
			2	2, 3	283	894	0.316	283	279	0.4	0.4	5.174	A
	Exit	1	1	(1, 2, 3, 4)	515			515	509	0.0	0.0	0.046	A
4	Entry	1	1	1, 2	209	1311	0.159	209	212	0.3	0.2	3.176	A
			2	2, 3, 4	334	1311	0.255	335	333	0.3	0.3	3.517	A
	Exit	1	1	(1, 2, 3, 4)	543			543	545	0.0	0.0	0.057	A
	Exit	1	1		1134			1134	1137	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	202	924	0.219	201	209	0.6	0.3	5.224	A
			2	1, 2, 4	575	924	0.623	577	577	1.9	1.2	7.711	A
		2	1	(1, 2, 3, 4)	777			777	782	2.5	0.4	2.528	A
	Exit	1	1		337			337	335	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	448	1227	0.365	448	450	1.0	0.4	4.655	A
			2	1, 2	256	1227	0.209	258	253	0.4	0.3	4.455	A
		2	1	(1, 2, 3, 4)	705			704	701	0.3	0.1	0.455	A
	Exit	1	1		798			798	812	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	185	1014	0.183	186	188	0.4	0.3	4.421	A
			2	2, 3	229	1014	0.226	230	230	0.4	0.4	4.503	A
		2	1	(1, 2, 3, 4)	415			415	417	0.0	0.0	0.023	A
	Exit	1	1		258			258	259	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	162	1407	0.115	162	168	0.2	0.1	2.930	A
			2	2, 3, 4	267	1407	0.190	267	273	0.3	0.2	3.136	A
		2	1	(1, 2, 3, 4)	429			429	440	0.0	0.0	0.020	A
	Exit	1	1		937			937	942	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	160	977	0.164	160	162	0.3	0.2	4.488	A
			2	1, 2, 4	485	977	0.496	482	485	1.2	0.9	6.121	A
		2	1	(1, 2, 3, 4)	643			644	645	0.4	0.1	0.723	A
	Exit	1	1		275			275	282	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	375	1299	0.289	375	380	0.4	0.4	3.891	A
			2	1, 2	207	1299	0.159	208	213	0.3	0.3	4.052	A
		2	1	(1, 2, 3, 4)	582			582	593	0.1	0.0	0.171	A
	Exit	1	1		673			673	669	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	154	1112	0.138	154	151	0.3	0.2	3.826	A
			2	2, 3	192	1112	0.172	193	192	0.4	0.2	3.890	A
		2	1	(1, 2, 3, 4)	346			346	341	0.0	0.0	0.007	A
	Exit	1	1		213			213	218	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	142	1481	0.096	142	142	0.1	0.1	2.627	A
			2	2, 3, 4	228	1481	0.154	228	229	0.2	0.2	2.877	A
		2	1	(1, 2, 3, 4)	370			370	371	0.0	0.0	0.009	A
	Exit	1	1		780			780	785	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.17	0.00	0.00	0.38	0.82
			2	0.86	0.00	0.00	2.13	2.59
		2	1	0.11	0.00	0.00	0.00	0.33
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.31	0.00	0.00	0.74	0.94
			2	0.23	0.00	0.00	0.52	1.13
		2	1	0.02	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.13	0.00	0.00	0.22	0.63
			2	0.18	0.00	0.00	0.41	0.87
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.13	0.00	0.00	0.00	0.70
			2	0.14	0.00	0.00	0.23	0.67
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.35	0.00	0.00	1.09	1.69
			2	1.06	0.00	0.30	3.00	3.00
		2	1	0.38	0.00	0.00	0.38	2.33
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.59	0.00	0.00	1.57	3.00
			2	0.37	0.00	0.00	1.18	1.65
		2	1	0.02	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.21	0.00	0.00	0.52	0.95
			2	0.30	0.00	0.00	0.80	2.00
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.11	0.00	0.00	0.02	0.54
			2	0.25	0.00	0.00	0.62	0.92
		2	1	0.01	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.46	0.00	0.00	1.28	1.72
			2	1.87	0.00	1.74	2.79	2.90
		2	1	1.98	0.00	0.00	6.06	9.41
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.89	0.00	0.01	3.00	3.00
			2	0.60	0.00	0.00	1.72	2.29
		2	1	0.28	0.00	0.00	0.06	1.88
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.29	0.00	0.00	0.73	1.24
			2	0.41	0.00	0.00	0.95	1.60
		2	1	0.01	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.25	0.00	0.00	0.65	0.95
			2	0.28	0.00	0.00	0.70	0.94
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.59	0.00	0.00	1.52	3.00
			2	1.87	0.00	1.76	2.81	2.92
		2	1	2.49	0.00	0.00	7.72	10.22
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.95	0.00	0.14	3.00	3.00
			2	0.40	0.00	0.00	1.25	1.74
		2	1	0.33	0.00	0.00	0.38	1.83
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.36	0.00	0.00	0.88	1.42
			2	0.43	0.00	0.00	0.91	1.47
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.23	0.00	0.00	0.59	0.86
			2	0.28	0.00	0.00	0.71	1.09
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.34	0.00	0.00	0.90	1.43
			2	1.19	0.00	0.46	3.00	3.00
	Exit	1	1	0.38	0.00	0.00	0.77	2.93
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.45	0.00	0.00	0.98	1.85
			2	0.27	0.00	0.00	0.66	1.44
	Exit	1	1	0.07	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.26	0.00	0.00	0.68	0.96
			2	0.40	0.00	0.00	1.18	1.65
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.11	0.00	0.00	0.08	0.57
			2	0.22	0.00	0.00	0.59	2.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.17	0.00	0.00	0.25	0.90
			2	0.88	0.00	0.00	2.25	2.65
	Exit	1	1	0.13	0.00	0.00	0.00	0.44
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.40	0.00	0.00	0.95	1.67
			2	0.33	0.00	0.00	1.16	1.76
	Exit	1	1	0.04	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.20	0.00	0.00	0.51	0.81
			2	0.20	0.00	0.00	0.49	0.83
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.14	0.00	0.00	0.15	0.71
			2	0.16	0.00	0.00	0.36	0.72
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	161	40	1272	978	0.165	161	158	0.0	0.2	4.406	A
				3	2	0.45	503	399	0.005	2	2	0.0	0.0	4.590	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	1	0.31	434	360	0.003	1	2	0.0	0.0	5.520	A
				2	76	19	1272	981	0.077	77	79	0.0	0.1	4.413	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	418	104	1272	978	0.427	417	402	0.0	0.8	6.000	A
		2	1	1	1	0.31	-	-	-	1	2	0.0	0.0	0.333	A
				2	236	59	-	-	-	237	238	0.0	0.0	0.412	A
				3	2	0.45	-	-	-	2	2	0.0	0.0	0.321	A
				4	418	105	-	-	-	418	406	0.0	0.1	0.673	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	374	93	1645	1294	0.289	375	377	0.0	0.3	3.719	A
			2	1	209	52	1645	1294	0.162	211	211	0.0	0.2	3.908	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	210	52	-	-	-	209	212	0.0	0.0	0.145	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	373	93	-	-	-	374	378	0.0	0.0	0.136	A
3	Entry	1	1	1	3	0.79	730	545	0.006	3	3	0.0	0.0	4.269	A
				2	152	38	1582	1106	0.138	152	149	0.0	0.1	3.541	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	139	35	1582	1106	0.126	140	139	0.0	0.1	3.612	A
				3	52	13	1582	1108	0.047	52	54	0.0	0.1	3.663	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.79	-	-	-	3	3	0.0	0.0	0.000	A
				2	292	73	-	-	-	292	289	0.0	0.0	0.002	A
				3	52	13	-	-	-	52	54	0.0	0.0	0.029	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	66	16	1825	1480	0.044	66	65	0.0	0.0	2.713	A
				2	78	19	1825	1476	0.053	77	78	0.0	0.1	2.550	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	68	17	1825	1476	0.046	69	69	0.0	0.0	2.595	A
				3	155	39	1825	1476	0.105	154	157	0.0	0.1	2.840	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	66	16	-	-	-	66	65	0.0	0.0	0.006	A
				2	146	37	-	-	-	146	147	0.0	0.0	0.003	A
				3	155	39	-	-	-	155	157	0.0	0.0	0.021	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	203	51	1272	921	0.221	203	199	0.2	0.3	4.980	A
				3	2	0.54	640	468	0.005	2	3	0.0	0.0	5.022	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.54	503	367	0.006	2	2	0.0	0.0	7.749	A
				2	83	21	1272	918	0.090	83	83	0.1	0.1	5.168	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	481	120	1272	921	0.523	483	481	0.8	0.9	7.718	A
		2	1	1	2	0.54	-	-	-	2	2	0.0	0.0	2.850	A
				2	286	71	-	-	-	286	282	0.0	0.1	1.555	A
				3	2	0.54	-	-	-	2	3	0.0	0.0	2.052	A
				4	481	120	-	-	-	481	481	0.1	0.3	2.137	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	447	112	1645	1234	0.363	448	450	0.3	0.6	4.443	A
			2	1	251	63	1645	1232	0.204	251	247	0.2	0.4	4.375	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	250	63	-	-	-	251	247	0.0	0.0	0.347	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	447	112	-	-	-	447	452	0.0	0.0	0.377	A
3	Entry	1	1	1	5	1	919	599	0.008	5	4	0.0	0.0	5.226	A
				2	184	46	1582	1021	0.180	185	180	0.1	0.2	4.116	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	167	42	1582	1021	0.164	167	166	0.1	0.2	4.120	A
				3	62	15	1582	1023	0.060	62	64	0.1	0.1	4.547	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	4	0.0	0.0	0.000	A
				2	351	88	-	-	-	351	347	0.0	0.0	0.004	A
				3	62	15	-	-	-	62	64	0.0	0.0	0.044	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	73	18	1825	1409	0.052	73	75	0.0	0.0	2.953	A
				2	95	24	1825	1409	0.068	95	95	0.1	0.1	2.799	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	78	19	1825	1410	0.055	78	80	0.0	0.1	2.822	A
				3	189	47	1825	1407	0.134	188	187	0.1	0.2	3.129	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	73	18	-	-	-	73	75	0.0	0.0	0.015	A
				2	173	43	-	-	-	173	175	0.0	0.0	0.021	A
				3	189	47	-	-	-	189	187	0.0	0.0	0.039	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	269	67	1272	846	0.318	270	264	0.3	0.5	6.113	A
				3	3	0.72	609	411	0.007	3	3	0.0	0.0	5.921	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	2	0.61	518	345	0.007	2	2	0.0	0.0	10.216	B
				2	83	21	1272	847	0.098	84	80	0.1	0.2	6.760	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	587	147	1272	846	0.693	586	583	0.9	1.7	10.001	B
		2	1	1	2	0.57	-	-	-	2	2	0.0	0.0	5.458	A
				2	353	88	-	-	-	352	345	0.1	0.7	6.080	A
				3	3	0.74	-	-	-	3	3	0.0	0.0	4.375	A
				4	587	147	-	-	-	587	586	0.3	1.3	6.913	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	561	140	1645	1138	0.493	561	556	0.6	0.9	5.390	A
		2	2	1	309	77	1645	1138	0.272	308	306	0.4	0.6	5.042	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	309	77	-	-	-	309	307	0.0	0.1	1.203	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	560	140	-	-	-	561	558	0.0	0.2	1.184	A
3	Entry	1	1	1	5	1	1128	649	0.008	5	5	0.0	0.0	6.362	A
				2	218	55	1582	888	0.246	219	220	0.2	0.3	4.971	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	192	48	1582	887	0.216	192	197	0.2	0.3	4.892	A
				3	79	20	1582	885	0.089	80	80	0.1	0.1	5.355	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	5	0.0	0.0	0.178	A
				2	410	103	-	-	-	410	418	0.0	0.0	0.042	A
				3	79	20	-	-	-	79	80	0.0	0.0	0.153	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	98	25	1825	1318	0.075	98	95	0.0	0.1	3.239	A
				2	117	29	1825	1323	0.088	116	118	0.1	0.1	2.986	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	98	25	1825	1325	0.074	98	97	0.1	0.1	2.943	A
				3	233	58	1825	1323	0.176	234	231	0.2	0.2	3.646	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	98	25	-	-	-	98	95	0.0	0.0	0.026	A
				2	214	54	-	-	-	215	215	0.0	0.0	0.024	A
				3	233	58	-	-	-	233	231	0.0	0.0	0.050	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	271	68	1272	835	0.325	269	264	0.5	0.6	6.096	A
				3	4	0.92	708	468	0.008	4	3	0.0	0.0	7.191	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.49	472	317	0.006	2	2	0.0	0.0	9.548	A
				2	77	19	1272	836	0.092	78	79	0.2	0.1	7.312	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	587	147	1272	833	0.704	587	586	1.7	1.7	10.295	B
		2	1	1	2	0.49	-	-	-	2	2	0.0	0.0	8.980	A
				2	351	88	-	-	-	349	343	0.7	0.9	8.048	A
				3	4	0.92	-	-	-	4	3	0.0	0.0	8.550	A
				4	588	147	-	-	-	587	586	1.3	1.6	9.045	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	551	138	1645	1137	0.484	547	551	0.9	1.0	5.528	A
			2	1	310	77	1645	1138	0.272	312	310	0.6	0.4	5.261	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	311	78	-	-	-	310	309	0.1	0.1	1.217	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	551	138	-	-	-	551	551	0.2	0.2	1.227	A
3	Entry	1	1	1	5	1	1090	620	0.008	5	6	0.0	0.0	6.617	A
				2	227	57	1582	895	0.253	227	224	0.3	0.4	5.001	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	203	51	1582	897	0.226	203	199	0.3	0.3	4.979	A
				3	80	20	1582	897	0.089	80	80	0.1	0.1	5.612	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	6	0.0	0.0	0.014	A
				2	430	107	-	-	-	430	423	0.0	0.0	0.035	A
				3	80	20	-	-	-	80	80	0.0	0.0	0.103	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	88	22	1825	1312	0.067	88	93	0.1	0.1	3.368	A
				2	121	30	1825	1313	0.092	121	119	0.1	0.1	3.024	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	97	24	1825	1308	0.074	97	98	0.1	0.1	2.997	A
				3	237	59	1825	1313	0.181	238	235	0.2	0.2	3.731	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	88	22	-	-	-	88	93	0.0	0.0	0.061	A
				2	218	55	-	-	-	218	217	0.0	0.0	0.030	A
				3	237	59	-	-	-	237	235	0.0	0.0	0.081	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	200	50	1272	923	0.216	199	207	0.6	0.3	5.207	A
				3	2	0.61	594	423	0.006	3	3	0.0	0.0	6.457	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.45	457	324	0.006	2	2	0.0	0.0	8.417	A
				2	87	22	1272	923	0.094	86	83	0.1	0.1	5.470	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	487	122	1272	922	0.528	489	492	1.7	1.0	8.053	A
		2	1	1	2	0.47	-	-	-	2	2	0.0	0.0	4.220	A
				2	287	72	-	-	-	286	288	0.9	0.1	2.294	A
				3	2	0.61	-	-	-	2	3	0.0	0.0	3.078	A
				4	487	122	-	-	-	487	489	1.6	0.3	2.645	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	448	112	1645	1226	0.365	448	450	1.0	0.4	4.655	A
			2	1	256	64	1645	1226	0.209	258	253	0.4	0.3	4.455	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	257	64	-	-	-	256	253	0.1	0.0	0.421	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	448	112	-	-	-	448	448	0.2	0.0	0.471	A
3	Entry	1	1	1	5	1	872	554	0.009	5	4	0.0	0.0	6.529	A
				2	181	45	1582	1013	0.178	181	183	0.4	0.3	4.378	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	161	40	1582	1011	0.160	162	164	0.3	0.3	4.362	A
				3	68	17	1582	1012	0.067	68	66	0.1	0.1	4.822	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	4	0.0	0.0	0.078	A
				2	342	86	-	-	-	342	347	0.0	0.0	0.014	A
				3	68	17	-	-	-	68	66	0.0	0.0	0.063	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	73	18	1825	1407	0.052	73	76	0.1	0.1	3.099	A
				2	89	22	1825	1405	0.063	89	92	0.1	0.1	2.791	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	80	20	1825	1403	0.057	80	83	0.1	0.1	2.856	A
				3	187	47	1825	1404	0.133	187	190	0.2	0.2	3.256	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	73	18	-	-	-	73	76	0.0	0.0	0.025	A
				2	169	42	-	-	-	169	174	0.0	0.0	0.014	A
				3	187	47	-	-	-	187	190	0.0	0.0	0.024	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	157	39	1272	976	0.161	157	159	0.3	0.2	4.484	A
				3	3	0.63	632	485	0.005	3	2	0.0	0.0	4.733	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.40	480	367	0.004	2	2	0.0	0.0	5.731	A
				2	77	19	1272	978	0.078	76	78	0.1	0.1	4.539	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	406	102	1272	976	0.416	405	405	1.0	0.8	6.407	A
		2	1	1	2	0.41	-	-	-	2	2	0.0	0.0	0.528	A
				2	234	58	-	-	-	234	237	0.1	0.0	0.532	A
				3	3	0.63	-	-	-	3	2	0.0	0.0	0.677	A
				4	405	101	-	-	-	406	404	0.3	0.1	0.827	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	375	94	1645	1301	0.288	375	380	0.4	0.4	3.891	A
			2	1	207	52	1645	1301	0.159	208	213	0.3	0.3	4.052	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	207	52	-	-	-	207	213	0.0	0.0	0.171	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	375	94	-	-	-	375	379	0.0	0.0	0.171	A
3	Entry	1	1	1	4	0.99	815	562	0.007	4	4	0.0	0.0	4.744	A
				2	150	37	1582	1114	0.135	150	147	0.3	0.2	3.803	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	140	35	1582	1111	0.126	140	137	0.3	0.1	3.818	A
				3	52	13	1582	1111	0.047	52	55	0.1	0.1	4.053	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	0.99	-	-	-	4	4	0.0	0.0	0.000	A
				2	290	72	-	-	-	290	283	0.0	0.0	0.002	A
				3	52	13	-	-	-	52	55	0.0	0.0	0.027	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	62	16	1825	1480	0.042	62	63	0.1	0.1	2.719	A
				2	80	20	1825	1476	0.054	80	79	0.1	0.1	2.553	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	70	18	1825	1480	0.047	70	69	0.1	0.0	2.589	A
				3	158	39	1825	1481	0.107	158	160	0.2	0.1	2.999	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	62	16	-	-	-	62	63	0.0	0.0	0.005	A
				2	150	38	-	-	-	150	148	0.0	0.0	0.002	A
				3	158	39	-	-	-	158	160	0.0	0.0	0.016	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D12 - | Base + Com Dev + CaPCAM (2550) 30/70 SPLIT | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	7.93	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	7.93	A

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	1904	✓	45.00
2	564	✓	110.00
3	736	✓	35.00
4	1212	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	Base + Com Dev + CaPCAM (2550) 30/70 SPLIT	PM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	339	100.000
2		ONE HOUR	✓	533	100.000
3		ONE HOUR	✓	761	100.000
4		ONE HOUR	✓	1316	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	11	221	2	105
	2	289	0	0	244
	3	2	747	12	0
	4	376	559	381	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	5	0	1
	2	4	0	11	2
	3	0	4	0	3
	4	1	1	1	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	12.09	1.5	5.1	B	323	484
2	3.65	0.5	2.1	A	506	759
3	3.55	0.9	2.7	A	725	1087
4	11.24	4.8	14.3	B	1207	1811

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	265	66	1299	266	265	527	0.0	0.4	5.600	A
2	420	105	381	420	409	1185	0.0	0.3	2.872	A
3	592	148	506	592	595	295	0.0	0.5	2.781	A
4	999	250	828	999	997	270	0.0	1.2	3.721	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	305	76	1582	305	309	609	0.4	0.6	6.910	A
2	484	121	460	487	494	1428	0.3	0.3	3.138	A
3	717	179	587	715	715	359	0.5	0.6	3.156	A
4	1206	302	987	1204	1190	316	1.2	1.6	5.314	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	397	99	1911	393	383	770	0.6	1.5	11.532	B
2	596	149	570	599	607	1734	0.3	0.5	3.619	A
3	876	219	734	878	878	435	0.6	0.8	3.541	A
4	1449	362	1222	1459	1445	389	1.6	4.8	10.451	B

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	384	96	1896	389	386	753	1.5	0.9	12.089	B
2	614	153	558	614	605	1728	0.5	0.4	3.653	A
3	863	216	737	862	866	434	0.8	0.9	3.548	A
4	1443	361	1201	1448	1457	398	4.8	4.5	11.242	B

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	328	82	1565	329	325	624	0.9	0.8	8.170	A
2	497	124	482	497	501	1412	0.4	0.5	3.408	A
3	716	179	612	714	710	366	0.9	0.8	3.139	A
4	1188	297	994	1195	1209	332	4.5	1.4	5.713	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	259	65	1277	258	261	516	0.8	0.5	6.202	A
2	425	106	380	424	427	1154	0.5	0.4	3.016	A
3	583	146	508	580	586	296	0.8	0.7	2.935	A
4	960	240	828	964	984	259	1.4	0.6	4.107	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.39	0.00	0.00	0.92	1.54
2	0.29	0.00	0.00	0.72	0.95
3	0.53	0.00	0.00	0.93	1.56
4	1.21	0.00	0.46	2.50	3.63

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.59	0.00	0.00	1.45	1.83
2	0.29	0.00	0.00	0.73	1.08
3	0.57	0.00	0.00	1.21	1.75
4	1.61	0.00	0.50	4.17	5.42

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.45	0.00	0.39	3.17	5.08
2	0.52	0.00	0.00	1.13	2.08
3	0.81	0.00	0.06	1.68	2.13
4	4.77	0.00	2.55	9.50	14.25

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.92	0.00	-0.03	2.36	2.89
2	0.44	0.00	0.00	0.92	1.54
3	0.90	0.00	0.11	1.90	2.65
4	4.45	0.00	2.38	11.25	13.50

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.77	0.00	0.06	1.59	1.93
2	0.49	0.00	0.00	1.28	1.69
3	0.80	0.00	-0.02	1.85	2.45
4	1.44	0.00	0.65	2.88	3.81

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.55	0.00	0.00	1.30	2.25
2	0.41	0.00	0.00	0.92	1.54
3	0.67	0.00	0.00	1.72	2.42
4	0.61	0.00	0.00	0.83	2.08

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	97	693	0.140	98	97	0.0	0.1	5.453	A
			2	1, 2, 4	168	693	0.242	168	167	0.0	0.2	5.664	A
	Exit	1	1	(1, 2, 3, 4)	265			265	266	0.0	0.0	0.013	A
			1	1		527			527	528	0.0	0.0	0.000
2	Entry	1	1	3, 4	194	1457	0.133	193	185	0.0	0.2	2.749	A
			2	1, 2	227	1457	0.156	227	225	0.0	0.1	2.939	A
	Exit	1	1	(1, 2, 3, 4)	420			420	411	0.0	0.0	0.020	A
			1	1		1185			1185	1182	0.0	0.0	0.000
3	Entry	1	1	1, 2, 4	286	1384	0.207	287	291	0.0	0.1	2.782	A
			2	2, 3	305	1384	0.221	304	304	0.0	0.4	2.777	A
	Exit	1	1	(1, 2, 3, 4)	592			592	597	0.0	0.0	0.001	A
			1	1		295			295	294	0.0	0.0	0.000
4	Entry	1	1	1, 2	506	1309	0.386	506	502	0.0	0.6	3.520	A
			2	2, 3, 4	493	1309	0.377	493	495	0.0	0.6	3.593	A
	Exit	1	1	(1, 2, 3, 4)	999			999	1002	0.0	0.0	0.165	A
			1	1		270			270	263	0.0	0.0	0.000

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	115	592	0.195	116	115	0.1	0.2	6.446	A
			2	1, 2, 4	190	592	0.320	190	195	0.2	0.4	7.084	A
		2	1	(1, 2, 3, 4)	305			305	310	0.0	0.0	0.060	A
	Exit	1	1		609			609	615	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	221	1409	0.157	223	227	0.2	0.1	2.971	A
			2	1, 2	263	1409	0.186	264	267	0.1	0.2	3.223	A
		2	1	(1, 2, 3, 4)	484			484	494	0.0	0.0	0.031	A
	Exit	1	1		1428			1428	1412	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	357	1338	0.267	356	354	0.1	0.3	3.159	A
			2	2, 3	360	1338	0.269	359	361	0.4	0.3	3.133	A
		2	1	(1, 2, 3, 4)	717			717	715	0.0	0.0	0.010	A
	Exit	1	1		359			359	358	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	592	1219	0.486	593	589	0.6	0.6	4.577	A
			2	2, 3, 4	612	1219	0.502	612	600	0.6	0.8	4.530	A
		2	1	(1, 2, 3, 4)	1206			1204	1190	0.0	0.3	0.761	A
	Exit	1	1		316			316	323	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	156	473	0.329	155	151	0.2	0.4	9.932	A
			2	1, 2, 4	240	473	0.508	237	233	0.4	0.9	11.380	B
		2	1	(1, 2, 3, 4)	397			396	386	0.0	0.2	0.685	A
	Exit	1	1		770			770	761	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	265	1343	0.197	265	274	0.1	0.2	3.455	A
			2	1, 2	331	1343	0.246	333	333	0.2	0.3	3.523	A
		2	1	(1, 2, 3, 4)	596			596	607	0.0	0.0	0.127	A
	Exit	1	1		1734			1734	1729	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	434	1256	0.345	434	436	0.3	0.4	3.547	A
			2	2, 3	443	1256	0.352	443	441	0.3	0.5	3.517	A
		2	1	(1, 2, 3, 4)	876			876	879	0.0	0.0	0.009	A
	Exit	1	1		435			435	431	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	736	1085	0.678	736	723	0.6	1.2	6.058	A
			2	2, 3, 4	723	1085	0.666	723	722	0.8	1.4	6.023	A
		2	1	(1, 2, 3, 4)	1449			1458	1450	0.3	2.2	4.395	A
	Exit	1	1		389			389	391	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	159	479	0.331	162	157	0.4	0.3	10.436	B
			2	1, 2, 4	226	479	0.473	228	229	0.9	0.7	12.001	B
		2	1	(1, 2, 3, 4)	384			385	385	0.2	0.0	0.747	A
	Exit	1	1		753			753	756	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	289	1350	0.214	287	278	0.2	0.3	3.441	A
			2	1, 2	325	1350	0.240	327	328	0.3	0.1	3.659	A
		2	1	(1, 2, 3, 4)	614			614	605	0.0	0.0	0.095	A
	Exit	1	1		1728			1728	1734	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	431	1254	0.344	430	433	0.4	0.5	3.548	A
			2	2, 3	432	1254	0.345	433	433	0.5	0.4	3.526	A
		2	1	(1, 2, 3, 4)	863			863	866	0.0	0.0	0.011	A
	Exit	1	1		434			434	434	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	725	1097	0.661	722	728	1.2	1.3	6.196	A
			2	2, 3, 4	726	1097	0.662	726	729	1.4	1.3	6.158	A
		2	1	(1, 2, 3, 4)	1443			1452	1457	2.2	1.8	5.076	A
	Exit	1	1		398			398	391	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	122	598	0.204	122	122	0.3	0.3	7.188	A
			2	1, 2, 4	206	598	0.345	207	203	0.7	0.5	8.354	A
		2	1	(1, 2, 3, 4)	328			328	325	0.0	0.0	0.245	A
	Exit	1	1		624			624	637	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	224	1396	0.161	225	223	0.3	0.2	3.265	A
			2	1, 2	272	1396	0.195	271	279	0.1	0.3	3.390	A
		2	1	(1, 2, 3, 4)	497			497	502	0.0	0.0	0.074	A
	Exit	1	1		1412			1412	1418	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	355	1324	0.268	353	351	0.5	0.4	3.178	A
			2	2, 3	361	1324	0.273	360	359	0.4	0.4	3.099	A
		2	1	(1, 2, 3, 4)	716			716	709	0.0	0.0	0.001	A
	Exit	1	1		366			366	364	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	594	1215	0.489	596	605	1.3	0.6	4.803	A
			2	2, 3, 4	596	1215	0.490	599	603	1.3	0.7	4.830	A
		2	1	(1, 2, 3, 4)	1188			1190	1204	1.8	0.1	0.906	A
	Exit	1	1		332			332	326	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	96	701	0.136	95	97	0.3	0.2	5.918	A
			2	1, 2, 4	163	701	0.232	162	164	0.5	0.3	6.359	A
		2	1	(1, 2, 3, 4)	259			259	260	0.0	0.0	0.012	A
	Exit	1	1		516			516	529	0.0	0.0	0.000	A
2	Entry	1	1	3, 4	184	1457	0.126	183	190	0.2	0.2	2.913	A
			2	1, 2	241	1457	0.165	241	237	0.3	0.2	3.056	A
		2	1	(1, 2, 3, 4)	425			425	426	0.0	0.0	0.024	A
	Exit	1	1		1154			1154	1166	0.0	0.0	0.000	A
3	Entry	1	1	1, 2, 4	283	1382	0.204	281	290	0.4	0.3	2.953	A
			2	2, 3	300	1382	0.217	298	296	0.4	0.3	2.917	A
		2	1	(1, 2, 3, 4)	583			583	586	0.0	0.0	0.000	A
	Exit	1	1		296			296	294	0.0	0.0	0.000	A
4	Entry	1	1	1, 2	478	1308	0.365	480	493	0.6	0.3	3.854	A
			2	2, 3, 4	482	1308	0.368	484	491	0.7	0.3	3.984	A
		2	1	(1, 2, 3, 4)	960			960	981	0.1	0.0	0.189	A
	Exit	1	1		259			259	268	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.15	0.00	0.00	0.21	0.75
			2	0.24	0.00	0.00	0.57	0.82
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.20	0.00	0.00	1.00	1.00
			2	0.09	0.00	0.00	1.00	1.00
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.13	0.00	0.00	-0.10	0.65
			2	0.40	0.00	0.00	0.77	0.93
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.61	0.00	0.00	1.50	3.00
			2	0.60	0.00	0.00	1.25	1.88
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.23	0.00	0.00	0.57	0.82
			2	0.36	0.00	0.00	0.78	0.96
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.07	0.00	0.00	0.00	1.00
			2	0.23	0.00	0.00	0.56	1.08
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.25	0.00	0.00	0.68	2.00
			2	0.32	0.00	0.00	0.75	0.96
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.59	0.00	0.00	1.64	3.00
			2	0.76	0.00	0.00	1.83	3.00
		2	1	0.27	0.00	0.00	0.00	2.08
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.40	0.00	0.00	0.90	1.65
			2	0.89	0.00	0.12	3.00	3.00
		2	1	0.16	0.00	0.00	0.00	0.13
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.23	0.00	0.00	0.30	3.00
			2	0.25	0.00	0.00	0.68	2.00
		2	1	0.04	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.37	0.00	0.00	0.82	1.08
			2	0.45	0.00	0.00	0.93	1.45
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.20	0.00	0.58	3.00	3.00
			2	1.41	0.00	0.74	3.00	3.00
		2	1	2.16	0.00	0.00	6.25	9.50
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.25	0.00	0.00	0.65	0.94
			2	0.65	0.00	0.00	1.65	3.00
		2	1	0.01	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.29	0.00	0.00	0.83	1.45
			2	0.15	0.00	0.00	0.28	0.69
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.45	0.00	0.00	0.93	2.00
			2	0.44	0.00	0.00	0.92	1.54
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.27	0.00	0.72	3.00	3.00
			2	1.35	0.00	0.76	3.00	3.00
		2	1	1.84	0.00	0.00	6.50	10.25
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.25	0.00	0.00	0.62	0.84
			2	0.49	0.00	0.00	1.19	1.66
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.21	0.00	0.00	0.54	0.85
			2	0.28	0.00	0.00	0.71	1.08
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.41	0.00	0.00	0.91	1.45
			2	0.39	0.00	0.00	0.80	0.97
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.64	0.00	0.00	1.54	1.85
			2	0.71	0.00	-0.02	1.58	3.00
	Exit	1	1	0.08	0.00	0.00	0.00	0.08
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.17	0.00	0.00	0.31	0.78
			2	0.35	0.00	0.00	0.88	1.56
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.24	0.00	0.00	0.63	0.94
			2	0.17	0.00	0.00	0.41	0.75
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.35	0.00	0.00	0.81	2.00
			2	0.32	0.00	0.00	0.72	0.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.35	0.00	0.00	0.82	1.42
			2	0.27	0.00	0.00	0.64	0.85
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	94	24	1160	691	0.136	96	96	0.0	0.1	5.443	A
				3	3	0.64	371	236	0.011	3	2	0.0	0.0	6.068	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	9	2	897	559	0.016	9	8	0.0	0.0	5.594	A
				2	83	21	1160	690	0.120	82	81	0.0	0.1	5.236	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	76	19	1160	693	0.110	77	78	0.0	0.1	6.095	A
		2	1	1	9	2	-	-	-	9	9	0.0	0.0	0.000	A
				2	177	44	-	-	-	177	177	0.0	0.0	0.006	A
				3	3	0.64	-	-	-	3	2	0.0	0.0	0.000	A
				4	76	19	-	-	-	76	79	0.0	0.0	0.028	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	194	49	1685	1453	0.134	193	185	0.0	0.2	2.749	A
			2	1	227	57	1685	1455	0.156	227	225	0.0	0.1	2.939	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	227	57	-	-	-	227	225	0.0	0.0	0.025	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	194	49	-	-	-	194	185	0.0	0.0	0.014	A
3	Entry	1	1	1	0.96	0.24	333	284	0.003	0.96	0.91	0.0	0.0	2.020	A
				2	285	71	1666	1386	0.206	286	290	0.0	0.1	2.784	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	296	74	1666	1384	0.214	295	295	0.0	0.4	2.769	A
				3	9	2	1489	1249	0.007	9	9	0.0	0.0	3.022	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0.96	0.24	-	-	-	0.96	0.91	0.0	0.0	0.000	A
				2	582	145	-	-	-	582	588	0.0	0.0	0.001	A
				3	9	2	-	-	-	9	9	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	291	73	1778	1307	0.223	290	294	0.0	0.4	3.818	A
				2	215	54	1778	1308	0.164	215	208	0.0	0.2	3.098	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	209	52	1778	1307	0.160	210	211	0.0	0.2	3.161	A
				3	284	71	1778	1310	0.217	283	284	0.0	0.4	3.916	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	291	73	-	-	-	291	295	0.0	0.0	0.179	A
				2	424	106	-	-	-	424	421	0.0	0.0	0.137	A
				3	284	71	-	-	-	284	285	0.0	0.0	0.191	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	113	28	1160	593	0.191	114	113	0.1	0.2	6.446	A
				3	2	0.52	387	204	0.010	2	2	0.0	0.0	6.472	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	7	2	1037	546	0.013	7	8	0.0	0.0	7.535	A
				2	90	23	1160	591	0.153	90	90	0.1	0.2	6.416	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	92	23	1160	590	0.156	93	96	0.1	0.2	7.640	A
		2	1	1	7	2	-	-	-	7	8	0.0	0.0	0.000	A
				2	204	51	-	-	-	204	203	0.0	0.0	0.035	A
				3	2	0.52	-	-	-	2	2	0.0	0.0	0.011	A
				4	92	23	-	-	-	92	97	0.0	0.0	0.119	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	221	55	1685	1409	0.157	223	227	0.2	0.1	2.971	A
			2	1	263	66	1685	1409	0.186	264	267	0.1	0.2	3.223	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	263	66	-	-	-	263	268	0.0	0.0	0.039	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	221	55	-	-	-	221	226	0.0	0.0	0.022	A
3	Entry	1	1	1	1	0.32	578	469	0.003	1	2	0.0	0.0	3.974	A
				2	356	89	1666	1340	0.265	355	352	0.1	0.3	3.155	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	349	87	1666	1339	0.261	348	350	0.4	0.3	3.121	A
				3	11	3	1555	1253	0.009	11	12	0.0	0.0	3.474	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	1	0.32	-	-	-	1	2	0.0	0.0	0.000	A
				2	704	176	-	-	-	704	702	0.0	0.0	0.009	A
				3	11	3	-	-	-	11	12	0.0	0.0	0.046	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	336	84	1778	1217	0.276	336	338	0.4	0.4	5.000	A
				2	256	64	1778	1220	0.209	256	252	0.2	0.2	4.010	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	265	66	1778	1219	0.217	266	256	0.2	0.2	3.860	A
				3	347	87	1778	1220	0.285	346	344	0.4	0.6	5.026	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	337	84	-	-	-	336	338	0.0	0.1	0.734	A
				2	522	131	-	-	-	520	508	0.0	0.1	0.715	A
				3	347	87	-	-	-	347	345	0.0	0.0	0.854	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	153	38	1160	471	0.325	153	148	0.2	0.4	9.932	A
				3	2	0.60	449	200	0.012	2	2	0.0	0.0	9.908	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	11	3	1052	433	0.025	11	12	0.0	0.0	12.317	B
				2	104	26	1160	468	0.222	102	103	0.2	0.4	9.346	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	126	31	1160	470	0.268	124	117	0.2	0.5	13.009	B
		2	1	1	10	3	-	-	-	11	12	0.0	0.0	1.706	A
				2	257	64	-	-	-	257	253	0.0	0.1	0.451	A
				3	2	0.60	-	-	-	2	2	0.0	0.0	0.795	A
				4	126	32	-	-	-	126	119	0.0	0.1	1.062	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	265	66	1685	1341	0.198	265	274	0.1	0.2	3.455	A
			2	1	331	83	1685	1341	0.247	333	333	0.2	0.3	3.523	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	331	83	-	-	-	331	333	0.0	0.0	0.133	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	265	66	-	-	-	265	274	0.0	0.0	0.120	A
3	Entry	1	1	1	3	0.64	711	530	0.005	3	2	0.0	0.0	3.786	A
				2	431	108	1666	1257	0.343	432	434	0.3	0.4	3.545	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	430	108	1666	1258	0.342	431	429	0.3	0.4	3.505	A
				3	12	3	1622	1228	0.010	13	12	0.0	0.0	3.946	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.64	-	-	-	3	2	0.0	0.0	0.069	A
				2	862	215	-	-	-	862	865	0.0	0.0	0.009	A
				3	12	3	-	-	-	12	12	0.0	0.0	0.013	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	424	106	1778	1086	0.390	423	414	0.4	0.7	6.687	A
				2	312	78	1778	1088	0.286	313	309	0.2	0.5	5.216	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	303	76	1778	1087	0.279	303	304	0.2	0.6	5.238	A
				3	420	105	1778	1086	0.386	420	418	0.6	0.8	6.596	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	421	105	-	-	-	424	415	0.1	0.6	4.557	A
				2	610	153	-	-	-	615	617	0.1	0.8	4.212	A
				3	418	104	-	-	-	420	419	0.0	0.8	4.505	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	156	39	1160	480	0.326	159	155	0.4	0.2	10.423	B
				3	2	0.56	510	209	0.011	2	2	0.0	0.0	11.171	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	12	3	1145	468	0.026	12	13	0.0	0.0	12.735	B
				2	102	26	1160	483	0.212	104	103	0.4	0.3	10.030	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	112	28	1160	477	0.234	111	113	0.5	0.4	13.625	B
		2	1	1	12	3	-	-	-	12	13	0.0	0.0	1.356	A
				2	259	65	-	-	-	259	257	0.1	0.0	0.570	A
				3	2	0.56	-	-	-	2	3	0.0	0.0	0.000	A
				4	112	28	-	-	-	112	113	0.1	0.0	1.080	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	289	72	1685	1353	0.214	287	278	0.2	0.3	3.441	A
			2	1	325	81	1685	1352	0.240	327	328	0.3	0.1	3.659	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	325	81	-	-	-	325	327	0.0	0.0	0.101	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	289	72	-	-	-	289	278	0.0	0.0	0.088	A
3	Entry	1	1	1	3	0.76	711	536	0.006	3	3	0.0	0.0	4.891	A
				2	428	107	1666	1252	0.342	426	430	0.4	0.5	3.540	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	420	105	1666	1254	0.335	421	420	0.4	0.4	3.511	A
				3	12	3	1577	1191	0.010	12	13	0.0	0.0	3.983	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.76	-	-	-	3	3	0.0	0.0	0.000	A
				2	848	212	-	-	-	848	850	0.0	0.0	0.011	A
				3	12	3	-	-	-	12	13	0.0	0.0	0.038	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	411	103	1778	1099	0.373	411	413	0.7	0.7	6.751	A
				2	315	79	1778	1099	0.286	312	315	0.5	0.5	5.470	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	306	77	1778	1097	0.279	305	311	0.6	0.5	5.293	A
				3	420	105	1778	1097	0.383	420	418	0.8	0.9	6.800	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	409	102	-	-	-	411	413	0.6	0.6	5.254	A
				2	617	154	-	-	-	621	625	0.8	0.7	4.966	A
				3	416	104	-	-	-	420	419	0.8	0.5	5.065	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	120	30	1160	598	0.200	120	121	0.2	0.3	7.190	A
				3	2	0.48	402	197	0.010	2	2	0.0	0.0	7.073	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	8	2	1021	526	0.016	8	9	0.0	0.0	8.456	A
				2	90	23	1160	596	0.151	91	91	0.3	0.2	7.320	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	108	27	1160	600	0.180	108	103	0.4	0.3	9.220	A
		2	1	1	8	2	-	-	-	8	9	0.0	0.0	0.576	A
				2	210	52	-	-	-	210	212	0.0	0.0	0.125	A
				3	2	0.48	-	-	-	2	2	0.0	0.0	0.000	A
				4	108	27	-	-	-	108	102	0.0	0.0	0.457	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	224	56	1685	1396	0.161	225	223	0.3	0.2	3.265	A
			2	1	272	68	1685	1394	0.195	271	279	0.1	0.3	3.390	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	272	68	-	-	-	272	279	0.0	0.0	0.081	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	224	56	-	-	-	224	222	0.0	0.0	0.065	A
3	Entry	1	1	1	2	0.48	578	463	0.004	2	2	0.0	0.0	3.563	A
				2	353	88	1666	1323	0.267	351	349	0.5	0.4	3.176	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	350	88	1666	1325	0.265	350	348	0.4	0.4	3.085	A
				3	11	3	1533	1224	0.009	10	11	0.0	0.0	3.503	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.48	-	-	-	2	2	0.0	0.0	0.000	A
				2	704	176	-	-	-	704	697	0.0	0.0	0.001	A
				3	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	341	85	1778	1214	0.281	342	348	0.7	0.4	5.292	A
				2	253	63	1778	1213	0.208	255	258	0.5	0.2	4.142	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	244	61	1778	1215	0.201	245	252	0.5	0.2	4.216	A
				3	351	88	1778	1214	0.289	353	351	0.9	0.5	5.272	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	341	85	-	-	-	341	347	0.6	0.1	0.927	A
				2	496	124	-	-	-	497	507	0.7	0.0	0.871	A
				3	351	88	-	-	-	351	350	0.5	0.0	0.936	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	94	24	1160	698	0.135	94	96	0.3	0.2	5.925	A
				3	1	0.32	279	168	0.008	1	1	0.0	0.0	5.330	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	7	2	990	590	0.012	8	9	0.0	0.0	7.525	A
				2	80	20	1160	700	0.114	79	76	0.2	0.2	5.892	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	76	19	1160	701	0.109	76	78	0.3	0.1	6.666	A
		2	1	1	7	2	-	-	-	7	9	0.0	0.0	0.044	A
				2	174	44	-	-	-	174	172	0.0	0.0	0.006	A
				3	1	0.32	-	-	-	1	1	0.0	0.0	0.000	A
				4	77	19	-	-	-	76	78	0.0	0.0	0.023	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	184	46	1685	1458	0.126	183	190	0.2	0.2	2.913	A
			2	1	241	60	1685	1457	0.165	241	237	0.3	0.2	3.056	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	241	60	-	-	-	241	236	0.0	0.0	0.034	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	184	46	-	-	-	184	190	0.0	0.0	0.013	A
3	Entry	1	1	1	2	0.40	555	462	0.003	2	2	0.0	0.0	3.534	A
				2	281	70	1666	1380	0.204	280	289	0.4	0.3	2.950	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	292	73	1666	1381	0.212	291	289	0.4	0.3	2.905	A
				3	8	2	1266	1043	0.008	8	8	0.0	0.0	3.367	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.40	-	-	-	2	2	0.0	0.0	0.000	A
				2	573	143	-	-	-	573	577	0.0	0.0	0.000	A
				3	8	2	-	-	-	8	7	0.0	0.0	0.004	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	265	66	1778	1309	0.202	265	282	0.4	0.3	4.133	A
				2	213	53	1778	1306	0.163	215	211	0.2	0.1	3.482	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	196	49	1778	1307	0.150	197	205	0.2	0.1	3.546	A
				3	286	71	1778	1308	0.219	287	285	0.5	0.2	4.300	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	265	66	-	-	-	265	281	0.1	0.0	0.201	A
				2	409	102	-	-	-	409	415	0.0	0.0	0.149	A
				3	286	71	-	-	-	286	284	0.0	0.0	0.236	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D13 - | Base + Com Dev + CaPCAM (5000) 30/70 SPLIT | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	15.62	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	15.62	C

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	1029	✓	45.00
2	949	✓	110.00
3	1679	✓	35.00
4	985	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D13	Base + Com Dev + CaPCAM (5000) 30/70 SPLIT	AM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	882	100.000
2		ONE HOUR	✓	868	100.000
3		ONE HOUR	✓	465	100.000
4		ONE HOUR	✓	491	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	2	308	3	569
	2	316	0	0	552
	3	4	389	72	0
	4	81	208	202	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	11	0	2
	2	21	0	13	2
	3	25	12	1	4
	4	4	5	4	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	34.29	10.7	35.5	D	851	1277
2	8.66	2.5	7.8	A	864	1297
3	6.35	0.9	2.7	A	468	702
4	3.80	0.6	1.9	A	469	703

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	680	170	706	683	683	355	0.0	1.4	6.864	A
2	707	177	643	706	702	747	0.0	1.0	4.165	A
3	391	98	1137	391	387	212	0.0	0.5	3.868	A
4	382	96	680	382	383	848	0.0	0.4	2.856	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	838	210	842	836	841	424	1.4	2.7	10.459	B
2	843	211	777	846	845	902	1.0	1.3	5.578	A
3	458	114	1368	458	458	255	0.5	0.6	4.722	A
4	463	116	803	464	464	1024	0.4	0.4	3.266	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1018	255	1025	1013	997	517	2.7	8.9	25.783	D
2	1044	261	948	1042	1036	1090	1.3	2.3	7.738	A
3	556	139	1676	559	561	314	0.6	0.8	5.889	A
4	560	140	983	560	562	1252	0.4	0.6	3.709	A

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1033	258	1032	1018	1023	525	8.9	10.7	34.294	D
2	1043	261	950	1048	1039	1100	2.3	2.5	8.655	A
3	558	140	1683	560	563	315	0.8	0.9	6.347	A
4	568	142	987	570	566	1255	0.6	0.5	3.795	A

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	846	211	834	849	875	423	10.7	2.5	16.114	C
2	841	210	791	844	856	892	2.5	1.4	6.120	A
3	461	115	1378	463	462	256	0.9	0.7	5.063	A
4	454	113	804	454	462	1037	0.5	0.4	3.350	A

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	692	173	701	692	705	357	2.5	1.4	7.636	A
2	708	177	646	708	710	747	1.4	1.0	4.611	A
3	382	95	1143	382	387	211	0.7	0.5	4.248	A
4	386	96	672	386	386	853	0.4	0.4	3.041	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.35	0.00	0.29	3.13	4.58
2	0.95	0.00	0.00	2.43	3.49
3	0.51	0.00	0.00	1.18	1.78
4	0.36	0.00	0.00	0.80	1.24

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	2.70	0.00	1.50	5.98	8.09
2	1.32	0.00	0.45	2.81	3.68
3	0.58	0.00	0.00	1.35	2.09
4	0.41	0.00	0.00	0.92	1.81

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	8.85	0.00	4.88	21.30	29.15
2	2.30	0.00	0.92	5.78	7.82
3	0.83	0.00	0.00	1.92	2.57
4	0.57	0.00	0.00	1.31	1.90

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	10.69	0.00	5.63	27.45	35.45
2	2.52	0.00	1.31	5.74	6.93
3	0.90	0.00	0.14	1.92	2.68
4	0.54	0.00	0.00	1.16	1.69

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	2.54	0.00	1.34	5.59	8.15
2	1.36	0.00	0.34	2.86	3.83
3	0.66	0.00	0.00	1.57	2.16
4	0.44	0.00	0.00	0.95	1.68

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.42	0.00	0.47	3.11	4.41
2	1.01	0.00	0.08	2.45	2.92
3	0.50	0.00	0.00	0.96	1.75
4	0.40	0.00	0.00	0.92	1.50

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	177	948	0.187	177	172	0.0	0.2	4.512	A
			2	1, 2, 4	504	948	0.532	507	511	0.0	0.9	6.340	A
	Exit	2	1	(1, 2, 3, 4)	680			681	687	0.0	0.2	0.959	A
2	Entry	1	1	3, 4	418	1284	0.326	419	416	0.0	0.5	3.861	A
			2	1, 2	288	1284	0.224	287	286	0.0	0.4	4.081	A
	Exit	2	1	(1, 2, 3, 4)	707			706	706	0.0	0.1	0.223	A
3	Entry	1	1	1, 2, 4	174	1045	0.167	174	173	0.0	0.3	3.830	A
			2	2, 3	217	1045	0.208	218	215	0.0	0.3	3.877	A
	Exit	2	1	(1, 2, 3, 4)	391			391	389	0.0	0.0	0.012	A
4	Entry	1	1	1, 2	151	1399	0.108	152	150	0.0	0.1	2.753	A
			2	2, 3, 4	231	1399	0.165	230	233	0.0	0.2	2.903	A
			2	1	(1, 2, 3, 4)	382			382	385	0.0	0.0	0.012
	Exit	2	1	1	848			848	847	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	231	887	0.260	230	232	0.2	0.3	5.516	A
			2	1, 2, 4	607	887	0.685	606	609	0.9	1.6	8.265	A
	Exit	1	1	(1, 2, 3, 4)	838			838	844	0.2	0.8	2.901	A
2	Entry	1	1	3, 4	504	1210	0.417	504	504	0.5	0.7	4.828	A
			2	1, 2	341	1210	0.282	342	341	0.4	0.5	4.736	A
	Exit	1	1	(1, 2, 3, 4)	843			845	847	0.1	0.1	0.782	A
3	Entry	1	1	1, 2, 4	210	942	0.223	209	209	0.3	0.3	4.641	A
			2	2, 3	248	942	0.263	249	249	0.3	0.3	4.732	A
	Exit	1	1	(1, 2, 3, 4)	458			458	458	0.0	0.0	0.031	A
4	Entry	1	1	1, 2	185	1326	0.140	184	182	0.1	0.2	3.039	A
			2	2, 3, 4	278	1326	0.210	279	282	0.2	0.2	3.361	A
	Exit	1	1	(1, 2, 3, 4)	463			463	465	0.0	0.0	0.030	A
	Exit	1	1		1024			1024	1027	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	303	806	0.376	302	294	0.3	0.7	6.900	A
			2	1, 2, 4	711	806	0.883	712	703	1.6	2.2	11.002	B
	Exit	1	1	(1, 2, 3, 4)	1018			1014	1001	0.8	6.0	15.902	C
2	Entry	1	1	3, 4	622	1115	0.558	621	618	0.7	1.0	5.896	A
			2	1, 2	421	1115	0.378	421	418	0.5	0.7	5.444	A
	Exit	1	1	(1, 2, 3, 4)	1044			1043	1038	0.1	0.6	2.004	A
3	Entry	1	1	1, 2, 4	260	804	0.324	261	260	0.3	0.4	5.639	A
			2	2, 3	296	804	0.368	298	301	0.3	0.4	5.910	A
	Exit	1	1	(1, 2, 3, 4)	556			556	562	0.0	0.0	0.103	A
4	Entry	1	1	1, 2	220	1218	0.181	220	226	0.2	0.2	3.448	A
			2	2, 3, 4	339	1218	0.278	339	336	0.2	0.3	3.773	A
	Exit	1	1	(1, 2, 3, 4)	560			560	563	0.0	0.0	0.067	A
	Exit	1	1		1252			1252	1240	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	304	802	0.379	305	305	0.7	0.6	7.032	A
			2	1, 2, 4	712	802	0.887	713	718	2.2	2.2	11.457	B
	Exit	1	1	(1, 2, 3, 4)	1033			1016	1022	6.0	7.9	24.086	C
2	Entry	1	1	3, 4	623	1114	0.560	623	615	1.0	1.1	6.106	A
			2	1, 2	425	1114	0.382	425	423	0.7	0.7	5.801	A
	Exit	1	1	(1, 2, 3, 4)	1043			1049	1039	0.6	0.7	2.661	A
3	Entry	1	1	1, 2, 4	256	801	0.319	256	258	0.4	0.4	5.984	A
			2	2, 3	303	801	0.378	304	304	0.4	0.5	6.377	A
	Exit	1	1	(1, 2, 3, 4)	558			558	563	0.0	0.0	0.148	A
4	Entry	1	1	1, 2	229	1216	0.189	229	225	0.2	0.2	3.539	A
			2	2, 3, 4	338	1216	0.278	340	341	0.3	0.3	3.863	A
	Exit	1	1	(1, 2, 3, 4)	568			568	566	0.0	0.0	0.060	A
	Exit	1	1		1255			1255	1252	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	235	891	0.264	234	242	0.6	0.4	5.724	A
			2	1, 2, 4	615	891	0.691	615	633	2.2	1.4	9.027	A
	Exit	1	1	(1, 2, 3, 4)	846			850	872	7.9	0.7	8.065	A
2	Entry	1	1	3, 4	503	1202	0.418	504	509	1.1	0.6	5.143	A
			2	1, 2	340	1202	0.283	340	348	0.7	0.5	5.135	A
	Exit	1	1	(1, 2, 3, 4)	841			843	853	0.7	0.2	0.986	A
3	Entry	1	1	1, 2, 4	209	937	0.223	210	209	0.4	0.3	5.000	A
			2	2, 3	251	937	0.268	252	254	0.5	0.4	5.075	A
	Exit	1	1	(1, 2, 3, 4)	461			461	461	0.0	0.0	0.022	A
4	Entry	1	1	1, 2	176	1325	0.133	176	180	0.2	0.2	3.111	A
			2	2, 3, 4	277	1325	0.209	278	282	0.3	0.2	3.434	A
	Exit	1	1	(1, 2, 3, 4)	454			453	462	0.0	0.0	0.043	A
	Exit	1	1		1037			1037	1063	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	181	950	0.190	180	184	0.4	0.2	4.811	A
			2	1, 2, 4	512	950	0.539	513	521	1.4	1.0	6.856	A
	Exit	1	1	(1, 2, 3, 4)	692			693	702	0.7	0.2	1.302	A
2	Entry	1	1	3, 4	420	1282	0.328	419	422	0.6	0.6	4.172	A
			2	1, 2	288	1282	0.225	289	288	0.5	0.4	4.453	A
	Exit	1	1	(1, 2, 3, 4)	708			709	710	0.2	0.1	0.340	A
3	Entry	1	1	1, 2, 4	173	1043	0.166	173	175	0.3	0.2	4.198	A
			2	2, 3	209	1043	0.201	209	212	0.4	0.3	4.268	A
	Exit	1	1	(1, 2, 3, 4)	382			382	386	0.0	0.0	0.012	A
4	Entry	1	1	1, 2	153	1404	0.109	153	148	0.2	0.2	2.927	A
			2	2, 3, 4	233	1404	0.166	233	238	0.2	0.2	3.091	A
	Exit	1	1	(1, 2, 3, 4)	386			386	386	0.0	0.0	0.013	A
	Exit	1	1		853			853	862	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.23	0.00	0.00	0.57	0.91
			2	0.91	0.00	0.05	2.33	2.68
	Exit	1	1	0.22	0.00	0.00	0.00	1.11
2	Entry	1	1	0.50	0.00	0.00	1.36	1.87
			2	0.37	0.00	0.00	1.16	1.95
	Exit	1	1	0.08	0.00	0.00	0.00	0.00
3	Entry	1	1	0.25	0.00	0.00	0.72	1.37
			2	0.26	0.00	0.00	0.66	0.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.13	0.00	0.00	0.15	0.62
			2	0.24	0.00	0.00	0.58	0.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.34	0.00	0.00	0.90	1.46
			2	1.58	0.00	1.04	2.72	2.89
	Exit	1	1	0.77	0.00	0.00	2.70	4.89
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.72	0.00	0.00	1.85	3.00
			2	0.48	0.00	0.00	1.49	2.22
	Exit	1	1	0.11	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.31	0.00	0.00	0.84	1.45
			2	0.27	0.00	0.00	0.68	0.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.21	0.00	0.00	0.53	0.90
			2	0.19	0.00	0.00	0.45	0.92
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.66	0.00	0.00	1.77	3.00
			2	2.23	0.00	2.17	2.85	2.93
	Exit	1	1	5.96	0.00	0.88	17.27	25.45
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	1.04	0.00	0.27	2.42	2.72
			2	0.70	0.00	0.00	1.88	2.46
	Exit	1	1	0.57	0.00	0.00	1.77	3.69
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.41	0.00	0.00	0.99	1.56
			2	0.42	0.00	0.00	0.93	1.59
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.23	0.00	0.00	0.60	0.94
			2	0.34	0.00	0.00	0.80	1.16
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.56	0.00	0.00	1.44	1.79
			2	2.24	0.00	2.18	2.86	2.94
	Exit	1	1	7.89	0.00	1.50	24.48	31.45
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	1.13	0.00	0.22	2.59	2.81
			2	0.73	0.00	0.00	1.96	3.00
	Exit	1	1	0.65	0.00	0.00	1.66	3.69
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.38	0.00	0.00	0.92	1.43
			2	0.52	0.00	0.00	1.11	1.67
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.21	0.00	0.00	0.54	0.81
			2	0.31	0.00	0.00	0.77	1.18
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.43	0.00	0.00	1.35	1.82
			2	1.44	0.00	0.86	2.67	2.84
	Exit	1	1	0.66	0.00	0.00	2.19	3.73
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.60	0.00	0.00	1.56	3.00
			2	0.53	0.00	0.00	1.52	1.93
	Exit	1	1	0.22	0.00	0.00	0.00	0.48
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.28	0.00	0.00	0.72	1.16
			2	0.39	0.00	0.00	0.89	1.34
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.19	0.00	0.00	0.43	0.85
			2	0.24	0.00	0.00	0.61	0.98
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.24	0.00	0.00	0.63	0.95
			2	0.98	0.00	0.21	2.28	2.66
	Exit	1	1	0.20	0.00	0.00	0.00	0.92
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.57	0.00	0.00	1.36	1.87
			2	0.38	0.00	0.00	0.99	2.16
	Exit	1	1	0.06	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.22	0.00	0.00	0.56	0.94
			2	0.28	0.00	0.00	0.69	0.96
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.15	0.00	0.00	0.23	0.79
			2	0.25	0.00	0.00	0.61	0.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	175	44	1262	949	0.184	175	170	0.0	0.2	4.510	A
				3	2	0.55	469	368	0.006	2	2	0.0	0.0	4.648	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.38	416	327	0.005	2	2	0.0	0.0	6.496	A
				2	76	19	1262	947	0.080	76	78	0.0	0.1	4.611	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	427	107	1262	948	0.451	429	431	0.0	0.8	6.627	A
		2	1	1	2	0.39	-	-	-	2	2	0.0	0.0	1.510	A
				2	250	62	-	-	-	251	249	0.0	0.0	0.710	A
				3	2	0.55	-	-	-	2	2	0.0	0.0	0.274	A
				4	426	107	-	-	-	427	434	0.0	0.2	1.092	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	418	105	1640	1285	0.326	419	416	0.0	0.5	3.861	A
			2	1	288	72	1640	1285	0.224	287	286	0.0	0.4	4.081	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	288	72	-	-	-	288	288	0.0	0.0	0.245	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	419	105	-	-	-	418	418	0.0	0.1	0.211	A
3	Entry	1	1	1	4	0.99	863	616	0.006	4	4	0.0	0.0	4.844	A
				2	170	43	1555	1046	0.163	170	169	0.0	0.3	3.808	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	158	40	1555	1047	0.151	159	159	0.0	0.2	3.807	A
				3	59	15	1555	1047	0.056	59	55	0.0	0.1	4.058	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	0.99	-	-	-	4	4	0.0	0.0	0.038	A
				2	329	82	-	-	-	329	330	0.0	0.0	0.006	A
				3	59	15	-	-	-	59	56	0.0	0.0	0.041	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	63	16	1805	1399	0.045	63	63	0.0	0.0	2.975	A
				2	89	22	1805	1397	0.063	89	87	0.0	0.1	2.593	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	79	20	1805	1400	0.057	79	78	0.0	0.1	2.683	A
				3	152	38	1805	1400	0.108	151	156	0.0	0.2	3.012	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	63	16	-	-	-	63	63	0.0	0.0	0.017	A
				2	168	42	-	-	-	168	166	0.0	0.0	0.006	A
				3	152	38	-	-	-	152	156	0.0	0.0	0.016	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	227	57	1262	887	0.256	227	229	0.2	0.3	5.512	A
				3	3	0.80	674	475	0.007	3	3	0.0	0.0	5.836	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.58	509	359	0.006	2	2	0.0	0.0	8.843	A
				2	85	21	1262	885	0.096	85	83	0.1	0.1	6.002	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	520	130	1262	886	0.587	519	523	0.8	1.4	8.592	A
		2	1	1	2	0.57	-	-	-	2	2	0.0	0.0	1.914	A
				2	312	78	-	-	-	313	313	0.0	0.2	2.493	A
				3	3	0.80	-	-	-	3	3	0.0	0.0	1.852	A
				4	521	130	-	-	-	520	526	0.2	0.6	3.133	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	504	126	1640	1209	0.417	504	504	0.5	0.7	4.828	A
			2	1	341	85	1640	1210	0.282	342	341	0.4	0.5	4.736	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	340	85	-	-	-	341	342	0.0	0.1	0.816	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	503	126	-	-	-	504	505	0.1	0.1	0.762	A
3	Entry	1	1	1	4	1	806	491	0.008	4	4	0.0	0.0	6.647	A
				2	206	51	1555	941	0.219	205	205	0.3	0.3	4.608	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	185	46	1555	939	0.196	185	185	0.2	0.2	4.583	A
				3	63	16	1555	938	0.068	64	64	0.1	0.1	5.124	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	4	1	-	-	-	4	4	0.0	0.0	0.000	A
				2	390	98	-	-	-	390	391	0.0	0.0	0.017	A
				3	63	16	-	-	-	63	64	0.0	0.0	0.111	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	76	19	1805	1322	0.058	76	75	0.0	0.1	3.206	A
				2	109	27	1805	1321	0.083	109	106	0.1	0.1	2.919	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	91	23	1805	1325	0.069	91	91	0.1	0.1	2.932	A
				3	187	47	1805	1324	0.141	188	191	0.2	0.1	3.565	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	76	19	-	-	-	76	76	0.0	0.0	0.025	A
				2	200	50	-	-	-	200	198	0.0	0.0	0.010	A
				3	187	47	-	-	-	187	191	0.0	0.0	0.052	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	299	75	1262	805	0.372	298	290	0.3	0.7	6.887	A
				3	3	0.80	747	486	0.007	3	3	0.0	0.0	7.877	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.58	476	309	0.008	2	2	0.0	0.0	11.163	B
				2	77	19	1262	808	0.096	78	79	0.1	0.2	8.219	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	632	158	1262	806	0.784	631	621	1.4	2.0	11.328	B
		2	1	1	2	0.61	-	-	-	2	2	0.0	0.0	21.546	C
				2	379	95	-	-	-	377	371	0.2	2.2	15.335	C
				3	3	0.83	-	-	-	3	3	0.0	0.0	16.476	C
				4	633	158	-	-	-	632	624	0.6	3.7	16.192	C
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	622	156	1640	1115	0.558	621	618	0.7	1.0	5.896	A
			2	1	421	105	1640	1116	0.378	421	418	0.5	0.7	5.444	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	421	105	-	-	-	421	419	0.1	0.2	1.994	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	623	156	-	-	-	622	620	0.1	0.4	2.010	A
3	Entry	1	1	1	6	2	1009	535	0.012	6	6	0.0	0.0	8.259	A
				2	254	63	1555	803	0.316	255	254	0.3	0.4	5.588	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	216	54	1555	806	0.268	218	223	0.2	0.3	5.678	A
				3	81	20	1555	807	0.100	81	78	0.1	0.2	6.508	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	6	2	-	-	-	6	6	0.0	0.0	0.241	A
				2	470	117	-	-	-	470	478	0.0	0.0	0.083	A
				3	81	20	-	-	-	81	79	0.0	0.0	0.203	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	88	22	1805	1219	0.072	88	92	0.1	0.1	3.701	A
				2	132	33	1805	1219	0.108	132	134	0.1	0.1	3.272	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	109	27	1805	1219	0.090	109	109	0.1	0.1	3.335	A
				3	230	57	1805	1218	0.189	230	227	0.1	0.2	3.982	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	88	22	-	-	-	88	92	0.0	0.0	0.071	A
				2	242	60	-	-	-	242	243	0.0	0.0	0.049	A
				3	230	57	-	-	-	230	228	0.0	0.0	0.085	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	301	75	1262	800	0.376	302	301	0.7	0.6	7.029	A
				3	3	0.75	674	428	0.007	3	3	0.0	0.0	7.277	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.57	601	383	0.006	2	2	0.0	0.0	11.876	B
				2	78	20	1262	805	0.097	78	79	0.2	0.2	8.840	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	631	158	1262	802	0.787	632	637	2.0	2.1	11.753	B
		2	1	1	2	0.57	-	-	-	2	2	0.0	0.0	19.596	C
				2	385	96	-	-	-	380	380	2.2	2.8	23.089	C
				3	3	0.77	-	-	-	3	3	0.0	0.0	21.527	C
				4	643	161	-	-	-	631	637	3.7	5.1	24.661	C
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	623	156	1640	1115	0.559	623	615	1.0	1.1	6.106	A
			2	1	425	106	1640	1114	0.382	425	423	0.7	0.7	5.801	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	421	105	-	-	-	425	424	0.2	0.2	2.710	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	622	155	-	-	-	623	616	0.4	0.5	2.632	A
3	Entry	1	1	1	5	1	1042	549	0.009	5	6	0.0	0.0	7.869	A
				2	251	63	1555	802	0.313	251	253	0.4	0.4	5.946	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	225	56	1555	803	0.280	226	225	0.3	0.4	6.179	A
				3	78	19	1555	804	0.097	78	79	0.2	0.1	6.884	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	6	0.0	0.0	0.321	A
				2	476	119	-	-	-	476	478	0.0	0.0	0.117	A
				3	78	19	-	-	-	78	79	0.0	0.0	0.311	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	92	23	1805	1214	0.076	92	93	0.1	0.1	3.814	A
				2	138	34	1805	1214	0.113	137	132	0.1	0.1	3.343	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	106	27	1805	1216	0.087	106	108	0.1	0.1	3.346	A
				3	232	58	1805	1215	0.191	235	233	0.2	0.2	4.103	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	92	23	-	-	-	92	93	0.0	0.0	0.044	A
				2	244	61	-	-	-	244	240	0.0	0.0	0.035	A
				3	233	58	-	-	-	232	233	0.0	0.0	0.091	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	232	58	1262	890	0.261	231	239	0.6	0.4	5.728	A
				3	3	0.66	694	485	0.005	3	3	0.0	0.0	5.416	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	2	0.50	423	292	0.007	2	2	0.0	0.0	8.908	A
				2	80	20	1262	890	0.090	80	77	0.2	0.1	6.441	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	533	133	1262	891	0.598	533	554	2.1	1.3	9.357	A
		2	1	1	2	0.50	-	-	-	2	2	0.0	0.0	5.324	A
				2	311	78	-	-	-	312	316	2.8	0.2	7.480	A
				3	3	0.66	-	-	-	3	3	0.0	0.0	6.090	A
				4	530	133	-	-	-	533	551	5.1	0.5	8.393	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	503	126	1640	1203	0.418	504	509	1.1	0.6	5.143	A
			2	1	340	85	1640	1202	0.283	340	348	0.7	0.5	5.135	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	340	85	-	-	-	340	347	0.2	0.1	1.070	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	502	125	-	-	-	503	507	0.5	0.1	0.938	A
3	Entry	1	1	1	5	1	969	568	0.009	5	5	0.0	0.0	5.786	A
				2	205	51	1555	937	0.219	206	204	0.4	0.3	4.984	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	188	47	1555	936	0.201	190	188	0.4	0.2	4.940	A
				3	63	16	1555	936	0.068	63	66	0.1	0.1	5.422	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	5	0.0	0.0	0.034	A
				2	393	98	-	-	-	393	391	0.0	0.0	0.014	A
				3	63	16	-	-	-	63	66	0.0	0.0	0.059	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	77	19	1805	1326	0.058	77	75	0.1	0.1	3.255	A
				2	99	25	1805	1324	0.075	99	105	0.1	0.1	3.007	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	87	22	1805	1325	0.065	87	92	0.1	0.0	2.931	A
				3	191	48	1805	1322	0.144	191	190	0.2	0.2	3.674	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	77	19	-	-	-	77	75	0.0	0.0	0.043	A
				2	185	46	-	-	-	185	196	0.0	0.0	0.021	A
				3	191	48	-	-	-	191	190	0.0	0.0	0.065	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	179	45	1262	949	0.188	177	181	0.4	0.2	4.804	A
				3	2	0.55	601	446	0.005	2	2	0.0	0.0	5.247	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	1	0.28	396	295	0.004	1	2	0.0	0.0	6.786	A
				2	78	20	1262	949	0.082	77	80	0.1	0.2	5.075	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	433	108	1262	949	0.456	434	439	1.3	0.8	7.159	A
		2	1	1	1	0.28	-	-	-	1	2	0.0	0.0	1.021	A
				2	256	64	-	-	-	257	261	0.2	0.1	1.061	A
				3	2	0.55	-	-	-	2	2	0.0	0.0	1.214	A
				4	433	108	-	-	-	433	437	0.5	0.1	1.436	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	420	105	1640	1281	0.328	419	422	0.6	0.6	4.172	A
			2	1	288	72	1640	1282	0.225	289	288	0.5	0.4	4.453	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	288	72	-	-	-	288	287	0.1	0.0	0.376	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	421	105	-	-	-	420	422	0.1	0.0	0.320	A
3	Entry	1	1	1	3	0.83	732	481	0.007	3	3	0.0	0.0	4.407	A
				2	169	42	1555	1043	0.162	170	172	0.3	0.2	4.194	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	156	39	1555	1042	0.150	156	157	0.2	0.2	4.195	A
				3	53	13	1555	1042	0.051	53	54	0.1	0.1	4.460	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.83	-	-	-	3	3	0.0	0.0	0.047	A
				2	326	81	-	-	-	326	329	0.0	0.0	0.005	A
				3	53	13	-	-	-	53	54	0.0	0.0	0.045	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	64	16	1805	1399	0.046	64	63	0.1	0.1	3.039	A
				2	89	22	1805	1403	0.064	89	85	0.1	0.1	2.843	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	77	19	1805	1401	0.055	77	77	0.0	0.1	2.749	A
				3	155	39	1805	1401	0.111	156	160	0.2	0.2	3.254	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	64	16	-	-	-	64	63	0.0	0.0	0.009	A
				2	167	42	-	-	-	167	162	0.0	0.0	0.007	A
				3	155	39	-	-	-	155	160	0.0	0.0	0.021	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

D14 - | Base + Com Dev + CaPCAM (5000) 30/70 SPLIT | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 2 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Geometry	Arm 3 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Warning	Demand Sets	D5 - Base + Com Dev + CaPCAM (2550) AM	Demand Set 5: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D9 - Base + Com Dev + CaPCAM (5000) AM	Demand Set 7: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D11 - Base + Com Dev + CaPCAM (2550) 30/70 SPLIT AM	Demand Set 9: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Demand Sets	D13 - Base + Com Dev + CaPCAM (5000) 30/70 SPLIT AM	Demand Set 11: Scenario Name includes Time Period Name ('AM'). Are you sure this is correct?
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
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	Estimate circulating flows	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Large Roundabout	✓		1, 2, 3, 4	23.92	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	23.92	C

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Has entry-to-exit separation	Entry-to-exit separation (m)
1	2216	✓	45.00
2	558	✓	110.00
3	844	✓	35.00
4	1462	✓	110.00

Slope / Intercept / Capacity

[same as above]

Lane Simulation: Arm options

[same as above]

Lanes

[same as above]

Entry Lane slope and intercept

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D14	Base + Com Dev + CaPCAM (5000) 30/70 SPLIT	PM	ONE HOUR	00:00	01:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	425	100.000
2		ONE HOUR	✓	627	100.000
3		ONE HOUR	✓	921	100.000
4		ONE HOUR	✓	1446	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	11	307	2	105
	2	344	0	0	283
	3	2	907	12	0
	4	376	689	381	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

Heavy Vehicle %

	To				
	1	2	3	4	
From	1	0	5	0	1
	2	4	0	11	2
	3	0	4	0	3
	4	1	1	1	0

Cyclist %

	To				
	1	2	3	4	
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (PCU)	Max 95th percentile Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	21.27	3.0	9.2	C	409	613
2	3.83	0.7	2.4	A	596	894
3	4.25	1.4	4.1	A	877	1316
4	46.56	24.1	65.1	E	1339	2009

Main Results for each time segment

00:00 - 00:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	326	82	1534	325	330	564	0.0	0.7	6.412	A
2	496	124	384	497	490	1475	0.0	0.4	3.023	A
3	725	181	584	726	721	298	0.0	0.5	3.040	A
4	1088	272	1007	1091	1087	303	0.0	1.3	4.222	A

00:15 - 00:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	411	103	1819	412	396	662	0.7	1.1	9.166	A
2	578	145	471	580	576	1760	0.4	0.5	3.344	A
3	848	212	689	848	853	362	0.5	0.8	3.422	A
4	1308	327	1167	1315	1302	370	1.3	2.6	7.327	A

00:30 - 00:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	497	124	2206	493	483	818	1.1	3.0	17.504	C
2	716	179	549	717	710	2149	0.5	0.7	3.811	A
3	1050	262	845	1048	1042	422	0.8	1.4	4.141	A
4	1622	406	1453	1571	1552	440	2.6	16.4	23.962	C

00:45 - 01:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	483	121	2226	489	486	824	3.0	2.6	21.266	C
2	710	178	567	712	714	2148	0.7	0.7	3.830	A
3	1060	265	843	1059	1060	437	1.4	1.3	4.251	A
4	1615	404	1471	1580	1577	431	16.4	24.1	46.561	E

01:00 - 01:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	393	98	1835	394	404	677	2.6	1.1	12.383	B
2	582	146	465	584	582	1763	0.7	0.5	3.494	A
3	862	216	686	864	857	363	1.3	0.7	3.510	A
4	1308	327	1203	1309	1387	347	24.1	2.9	15.906	C

01:15 - 01:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	342	85	1533	341	337	562	1.1	0.7	7.520	A
2	495	124	391	495	492	1483	0.5	0.4	3.174	A
3	718	180	586	719	715	302	0.7	0.6	3.177	A
4	1095	274	1000	1095	1103	305	2.9	1.5	4.909	A

Queue Variation Results for each time segment

00:00 - 00:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.74	0.00	-0.01	1.59	2.08
2	0.41	0.00	0.00	0.92	1.54
3	0.49	0.00	0.00	1.06	1.65
4	1.26	0.00	0.48	2.45	3.35

00:15 - 00:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.05	0.00	0.25	2.08	2.95
2	0.49	0.00	0.00	1.18	1.78
3	0.83	0.00	0.04	1.73	2.68
4	2.60	0.00	1.39	5.54	6.89

00:30 - 00:45

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	3.04	0.00	1.60	6.48	9.23
2	0.65	0.00	0.00	1.61	2.41
3	1.38	0.00	0.47	3.07	3.80
4	16.43	0.51	12.85	34.90	45.23

00:45 - 01:00

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	2.62	0.00	1.44	5.89	7.61
2	0.68	0.00	0.00	1.56	2.27
3	1.32	0.00	0.46	2.94	4.05
4	24.08	1.07	19.17	48.93	65.11

01:00 - 01:15

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	1.11	0.00	0.32	2.46	3.18
2	0.50	0.00	0.00	1.06	1.70
3	0.73	0.00	0.00	1.49	2.09
4	2.87	0.00	1.49	6.32	8.73

01:15 - 01:30

Arm	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	0.74	0.00	0.00	1.76	2.38
2	0.38	0.00	0.00	0.89	1.45
3	0.57	0.00	0.00	1.16	1.69
4	1.45	0.00	0.60	2.95	3.77

Lane Results

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

Lanes: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	133	620	0.214	133	133	0.0	0.3	6.088	A
			2	1, 2, 4	194	620	0.313	193	196	0.0	0.5	6.557	A
	Exit	2	1	(1, 2, 3, 4)	326			326	333	0.0	0.0	0.042	A
2	Entry	1	1	3, 4	225	1455	0.154	224	219	0.0	0.2	2.823	A
			2	1, 2	272	1455	0.187	272	270	0.0	0.2	3.100	A
	Exit	2	1	(1, 2, 3, 4)	496			496	491	0.0	0.0	0.049	A
3	Entry	1	1	1, 2, 4	359	1334	0.269	359	356	0.0	0.3	3.053	A
			2	2, 3	366	1334	0.274	367	364	0.0	0.2	3.019	A
	Exit	2	1	(1, 2, 3, 4)	725			725	723	0.0	0.0	0.004	A
4	Entry	1	1	1, 2	541	1211	0.447	542	544	0.0	0.6	3.951	A
			2	2, 3, 4	547	1211	0.452	548	543	0.0	0.6	3.943	A
			2	1	(1, 2, 3, 4)	1088			1088	1092	0.0	0.1	0.275
	Exit	2	1	1	303			303	298	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	174	526	0.331	174	165	0.3	0.4	8.365	A
			2	1, 2, 4	237	526	0.452	238	231	0.5	0.6	9.325	A
	Exit	1	1	(1, 2, 3, 4)	411			411	397	0.0	0.0	0.235	A
2	Entry	1	1	3, 4	271	1402	0.193	271	262	0.2	0.3	3.212	A
			2	1, 2	307	1402	0.219	309	314	0.2	0.2	3.342	A
	Exit	1	1	(1, 2, 3, 4)	578			578	576	0.0	0.0	0.062	A
3	Entry	1	1	1, 2, 4	420	1277	0.329	421	421	0.3	0.4	3.397	A
			2	2, 3	428	1277	0.335	428	432	0.2	0.4	3.412	A
	Exit	1	1	(1, 2, 3, 4)	848			848	854	0.0	0.0	0.018	A
4	Entry	1	1	1, 2	657	1126	0.584	658	650	0.6	1.0	5.353	A
			2	2, 3, 4	655	1126	0.582	656	652	0.6	1.0	5.457	A
	Exit	1	1	(1, 2, 3, 4)	1308			1312	1306	0.1	0.6	1.919	A
	Exit	1	1		370			370	356	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	220	398	0.552	219	211	0.4	1.0	13.702	B
			2	1, 2, 4	277	398	0.694	274	271	0.6	1.5	15.488	C
	Exit	1	1	(1, 2, 3, 4)	497			496	488	0.0	0.6	2.728	A
2	Entry	1	1	3, 4	322	1355	0.237	322	318	0.3	0.3	3.491	A
			2	1, 2	394	1355	0.291	394	392	0.2	0.3	3.782	A
	Exit	1	1	(1, 2, 3, 4)	716			716	710	0.0	0.0	0.161	A
3	Entry	1	1	1, 2, 4	523	1192	0.439	521	516	0.4	0.7	4.083	A
			2	2, 3	527	1192	0.442	527	526	0.4	0.6	4.077	A
	Exit	1	1	(1, 2, 3, 4)	1050			1050	1044	0.0	0.0	0.061	A
4	Entry	1	1	1, 2	786	973	0.809	786	776	1.0	1.8	7.516	A
			2	2, 3, 4	787	973	0.809	785	776	1.0	1.9	7.467	A
	Exit	1	1	(1, 2, 3, 4)	1622			1574	1559	0.6	12.7	16.434	C
	Exit	1	1		440			440	434	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	217	392	0.554	217	215	1.0	0.9	15.803	C
			2	1, 2, 4	270	392	0.690	272	271	1.5	1.3	17.999	C
	Exit	1	1	(1, 2, 3, 4)	483			487	485	0.6	0.4	4.250	A
2	Entry	1	1	3, 4	313	1345	0.233	313	319	0.3	0.3	3.448	A
			2	1, 2	398	1345	0.296	399	396	0.3	0.4	3.758	A
	Exit	1	1	(1, 2, 3, 4)	710			711	715	0.0	0.0	0.213	A
3	Entry	1	1	1, 2, 4	523	1193	0.439	523	525	0.7	0.7	4.182	A
			2	2, 3	536	1193	0.450	537	535	0.6	0.6	4.161	A
	Exit	1	1	(1, 2, 3, 4)	1060			1060	1060	0.0	0.0	0.080	A
4	Entry	1	1	1, 2	788	963	0.818	789	786	1.8	1.7	8.105	A
			2	2, 3, 4	789	963	0.820	790	791	1.9	1.8	8.231	A
	Exit	1	1	(1, 2, 3, 4)	1615			1578	1576	12.7	20.6	38.410	E
	Exit	1	1		431			431	435	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	169	520	0.324	168	172	0.9	0.4	10.526	B
			2	1, 2, 4	225	520	0.432	225	232	1.3	0.7	12.086	B
	Exit	1	1	(1, 2, 3, 4)	393			394	399	0.4	0.0	1.010	A
2	Entry	1	1	3, 4	256	1406	0.182	256	259	0.3	0.3	3.302	A
			2	1, 2	326	1406	0.232	328	323	0.4	0.2	3.483	A
	Exit	1	1	(1, 2, 3, 4)	582			583	581	0.0	0.0	0.092	A
3	Entry	1	1	1, 2, 4	425	1278	0.333	427	424	0.7	0.3	3.508	A
			2	2, 3	437	1278	0.342	437	433	0.6	0.4	3.492	A
	Exit	1	1	(1, 2, 3, 4)	862			862	855	0.0	0.0	0.010	A
4	Entry	1	1	1, 2	653	1106	0.590	653	694	1.7	1.0	5.950	A
			2	2, 3, 4	656	1106	0.593	656	693	1.8	1.0	6.133	A
	Exit	1	1	(1, 2, 3, 4)	1308			1309	1381	20.6	0.8	9.992	A
	Exit	1	1		347			347	355	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	2, 3	141	620	0.227	140	137	0.4	0.3	6.881	A
			2	1, 2, 4	201	620	0.325	201	200	0.7	0.5	7.755	A
	Exit	1	1	(1, 2, 3, 4)	342			342	336	0.0	0.0	0.120	A
2	Entry	1	1	3, 4	222	1450	0.153	222	221	0.3	0.2	3.031	A
			2	1, 2	273	1450	0.189	274	271	0.2	0.2	3.206	A
	Exit	1	1	(1, 2, 3, 4)	495			495	492	0.0	0.0	0.047	A
3	Entry	1	1	1, 2, 4	355	1333	0.266	356	354	0.3	0.3	3.187	A
			2	2, 3	363	1333	0.273	364	361	0.4	0.3	3.159	A
	Exit	1	1	(1, 2, 3, 4)	718			718	714	0.0	0.0	0.004	A
4	Entry	1	1	1, 2	541	1215	0.445	541	549	1.0	0.6	4.414	A
			2	2, 3, 4	554	1215	0.457	554	554	1.0	0.7	4.474	A
	Exit	1	1	(1, 2, 3, 4)	1095			1095	1100	0.8	0.1	0.472	A
	Exit	1	1		305			305	303	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.26	0.00	0.00	0.66	0.93
			2	0.47	0.00	0.00	0.96	1.57
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
2	Entry	1	1	0.17	0.00	0.00	0.38	0.75
			2	0.23	0.00	0.00	0.57	1.06
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
3	Entry	1	1	0.27	0.00	0.00	0.69	0.98
			2	0.21	0.00	0.00	0.51	0.78
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
4	Entry	1	1	0.60	0.00	0.00	1.28	1.74
			2	0.59	0.00	0.00	1.15	1.88
	Exit	1	1	0.07	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00

00:15 - 00:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.40	0.00	0.00	0.89	1.37
			2	0.62	0.00	0.00	1.43	1.85
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.26	0.00	0.00	0.63	0.88
			2	0.23	0.00	0.00	0.58	0.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.40	0.00	0.00	0.88	1.45
			2	0.42	0.00	0.00	0.89	1.45
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.99	0.00	0.29	3.00	3.00
			2	0.98	0.00	0.29	3.00	3.00
	Exit	1	1	0.63	0.00	0.00	1.88	4.15
			1	0.00	0.00	0.00	0.00	0.00

00:30 - 00:45

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.95	0.00	0.19	3.00	3.00
			2	1.47	0.00	0.90	3.00	3.00
	Exit	1	1	0.62	0.00	0.00	1.45	4.61
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.27	0.00	0.00	0.69	1.31
			2	0.35	0.00	0.00	0.85	1.49
	Exit	1	1	0.04	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.71	0.00	0.00	1.62	1.92
			2	0.65	0.00	0.00	1.45	1.92
	Exit	1	1	0.03	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.79	0.00	1.39	2.75	2.90
			2	1.90	0.00	1.55	3.00	3.00
	Exit	1	1	12.74	0.00	9.07	30.63	41.15
			1	0.00	0.00	0.00	0.00	0.00

00:45 - 01:00

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.90	0.00	-0.01	2.29	2.69
			2	1.34	0.00	0.73	2.55	2.79
	Exit	1	1	0.38	0.00	0.00	0.23	2.61
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.27	0.00	0.00	0.66	0.91
			2	0.38	0.00	0.00	0.97	1.53
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.69	0.00	0.00	1.66	3.00
			2	0.63	0.00	0.00	1.43	1.85
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.74	0.00	1.34	2.72	2.88
			2	1.79	0.00	1.32	2.75	2.89
	Exit	1	1	20.55	0.00	15.38	45.30	60.90
			1	0.00	0.00	0.00	0.00	0.00

01:00 - 01:15

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.43	0.00	0.00	0.93	1.50
			2	0.66	0.00	0.00	1.50	1.89
	Exit	1	1	0.02	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.28	0.00	0.00	0.67	0.95
			2	0.21	0.00	0.00	0.53	0.90
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.31	0.00	0.00	0.73	0.96
			2	0.42	0.00	0.00	0.88	1.38
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	1.03	0.00	0.37	1.99	2.53
			2	1.02	0.00	0.38	3.00	3.00
	Exit	1	1	0.82	0.00	0.00	3.18	5.11
			1	0.00	0.00	0.00	0.00	0.00

01:15 - 01:30

Arm	Side	Lane level	Lane	Mean (PCU)	Q05 (PCU)	Q50 (PCU)	Q90 (PCU)	Q95 (PCU)
1	Entry	1	1	0.27	0.00	0.00	0.68	0.96
			2	0.46	0.00	0.00	0.96	1.50
	Exit	1	1	0.01	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
2	Entry	1	1	0.17	0.00	0.00	0.29	0.85
			2	0.21	0.00	0.00	0.52	0.93
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
3	Entry	1	1	0.27	0.00	0.00	0.66	0.93
			2	0.29	0.00	0.00	0.73	0.99
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00
4	Entry	1	1	0.64	0.00	0.00	1.53	1.85
			2	0.69	0.00	0.00	1.57	3.00
	Exit	1	1	0.12	0.00	0.00	0.00	0.00
			1	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

00:00 - 00:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	131	33	1124	618	0.212	131	131	0.0	0.3	6.090	A
				3	2	0.44	394	244	0.007	2	2	0.0	0.0	5.928	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	8	2	1012	591	0.014	8	9	0.0	0.0	6.914	A
				2	106	26	1124	619	0.171	106	109	0.0	0.2	6.065	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	80	20	1124	621	0.128	79	78	0.0	0.3	7.174	A
		2	1	1	8	2	-	-	-	8	9	0.0	0.0	0.012	A
				2	237	59	-	-	-	237	243	0.0	0.0	0.021	A
				3	2	0.44	-	-	-	2	2	0.0	0.0	0.070	A
				4	80	20	-	-	-	80	79	0.0	0.0	0.108	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	225	56	1685	1454	0.154	224	219	0.0	0.2	2.823	A
			2	1	272	68	1685	1455	0.187	272	270	0.0	0.2	3.100	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	271	68	-	-	-	272	271	0.0	0.0	0.058	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	225	56	-	-	-	225	220	0.0	0.0	0.038	A
3	Entry	1	1	1	2	0.47	519	429	0.004	2	2	0.0	0.0	3.558	A
				2	357	89	1652	1335	0.268	357	355	0.0	0.3	3.051	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	357	89	1652	1334	0.268	358	356	0.0	0.2	3.012	A
				3	9	2	1444	1190	0.008	9	8	0.0	0.0	3.331	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.47	-	-	-	2	2	0.0	0.0	0.091	A
				2	714	179	-	-	-	714	713	0.0	0.0	0.003	A
				3	9	2	-	-	-	9	8	0.0	0.0	0.032	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	280	70	1749	1210	0.232	281	282	0.0	0.3	4.369	A
				2	261	65	1749	1210	0.216	261	261	0.0	0.3	3.500	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	262	66	1749	1210	0.217	262	259	0.0	0.3	3.469	A
				3	284	71	1749	1210	0.235	287	285	0.0	0.3	4.376	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	280	70	-	-	-	280	284	0.0	0.0	0.300	A
				2	523	131	-	-	-	523	522	0.0	0.0	0.243	A
				3	284	71	-	-	-	284	286	0.0	0.0	0.307	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:15 - 00:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	172	43	1124	526	0.327	172	164	0.3	0.4	8.340	A
				3	2	0.55	453	217	0.010	2	2	0.0	0.0	10.467	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	10	2	1048	491	0.020	10	10	0.0	0.0	10.336	B
				2	128	32	1124	525	0.243	129	126	0.2	0.3	8.298	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	100	25	1124	527	0.190	99	95	0.3	0.3	10.535	B
		2	1	1	10	2	-	-	-	10	10	0.0	0.0	0.373	A
				2	299	75	-	-	-	299	290	0.0	0.0	0.183	A
				3	2	0.55	-	-	-	2	2	0.0	0.0	0.290	A
				4	100	25	-	-	-	100	95	0.0	0.0	0.375	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	271	68	1685	1403	0.193	271	262	0.2	0.3	3.212	A
			2	1	307	77	1685	1404	0.219	309	314	0.2	0.2	3.342	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	307	77	-	-	-	307	314	0.0	0.0	0.069	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	271	68	-	-	-	271	262	0.0	0.0	0.053	A
3	Entry	1	1	1	2	0.38	623	486	0.003	2	2	0.0	0.0	4.411	A
				2	418	105	1652	1278	0.327	419	419	0.3	0.4	3.392	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	417	104	1652	1277	0.327	417	421	0.2	0.4	3.395	A
				3	11	3	1530	1189	0.009	11	11	0.0	0.0	4.032	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.38	-	-	-	2	2	0.0	0.0	0.000	A
				2	836	209	-	-	-	835	841	0.0	0.0	0.017	A
				3	11	3	-	-	-	11	11	0.0	0.0	0.071	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	342	86	1749	1125	0.304	342	338	0.3	0.5	5.955	A
				2	315	79	1749	1126	0.280	316	313	0.3	0.4	4.702	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	307	77	1749	1127	0.273	307	307	0.3	0.5	4.764	A
				3	347	87	1749	1126	0.308	349	345	0.3	0.5	6.072	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	341	85	-	-	-	342	339	0.0	0.2	1.991	A
				2	621	155	-	-	-	623	621	0.0	0.3	1.822	A
				3	346	87	-	-	-	347	346	0.0	0.2	2.023	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:30 - 00:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	217	54	1124	397	0.547	216	209	0.4	0.9	13.691	B
				3	2	0.60	483	178	0.013	2	2	0.0	0.0	14.657	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	11	3	1077	388	0.029	11	12	0.0	0.1	17.320	C
				2	146	36	1124	399	0.366	146	144	0.3	0.6	13.899	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	119	30	1124	399	0.299	117	116	0.3	0.7	17.191	C
		2	1	1	12	3	-	-	-	11	12	0.0	0.0	3.526	A
				2	364	91	-	-	-	363	356	0.0	0.4	2.420	A
				3	2	0.61	-	-	-	2	2	0.0	0.0	4.377	A
				4	120	30	-	-	-	119	117	0.0	0.2	3.512	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	322	80	1685	1354	0.238	322	318	0.3	0.3	3.491	A
			2	1	394	98	1685	1355	0.291	394	392	0.2	0.3	3.782	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	394	98	-	-	-	394	392	0.0	0.0	0.170	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	322	80	-	-	-	322	318	0.0	0.0	0.149	A
3	Entry	1	1	1	3	0.83	796	578	0.006	3	3	0.0	0.0	4.954	A
				2	519	130	1652	1192	0.436	518	513	0.4	0.7	4.078	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	515	129	1652	1192	0.432	515	513	0.4	0.6	4.057	A
				3	12	3	1565	1135	0.011	12	13	0.0	0.0	4.836	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	3	0.83	-	-	-	3	3	0.0	0.0	0.030	A
				2	1034	259	-	-	-	1034	1028	0.0	0.0	0.060	A
				3	12	3	-	-	-	12	13	0.0	0.0	0.145	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	410	102	1749	973	0.421	410	405	0.5	0.9	8.343	A
				2	377	94	1749	973	0.387	376	372	0.4	0.8	6.616	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	379	95	1749	974	0.389	378	371	0.5	0.8	6.557	A
				3	408	102	1749	973	0.419	407	405	0.5	1.1	8.300	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	423	106	-	-	-	410	406	0.2	3.3	16.540	C
				2	778	195	-	-	-	756	746	0.3	6.0	16.267	C
				3	421	105	-	-	-	408	407	0.2	3.4	16.635	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

00:45 - 01:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	215	54	1124	392	0.547	215	213	0.9	0.9	15.801	C
				3	3	0.63	477	164	0.015	3	2	0.0	0.0	15.954	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	13	3	1089	383	0.034	13	12	0.1	0.1	19.123	C
				2	141	35	1124	389	0.363	141	142	0.6	0.7	16.450	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	116	29	1124	391	0.297	118	116	0.7	0.6	19.720	C
		2	1	1	13	3	-	-	-	13	12	0.0	0.0	3.863	A
				2	353	88	-	-	-	356	355	0.4	0.3	3.811	A
				3	3	0.63	-	-	-	3	2	0.0	0.0	7.321	A
				4	115	29	-	-	-	116	116	0.2	0.1	5.529	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	313	78	1685	1345	0.233	313	319	0.3	0.3	3.448	A
			2	1	398	100	1685	1343	0.297	399	396	0.3	0.4	3.758	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	398	99	-	-	-	398	396	0.0	0.0	0.217	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	312	78	-	-	-	313	319	0.0	0.0	0.209	A
3	Entry	1	1	1	2	0.52	709	512	0.004	2	2	0.0	0.0	4.826	A
				2	521	130	1652	1193	0.437	520	523	0.7	0.7	4.179	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	525	131	1652	1193	0.440	525	522	0.6	0.6	4.136	A
				3	12	3	1608	1160	0.010	12	13	0.0	0.0	5.099	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.52	-	-	-	2	2	0.0	0.0	0.516	A
				2	1046	261	-	-	-	1046	1044	0.0	0.0	0.078	A
				3	12	3	-	-	-	12	13	0.0	0.0	0.192	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	410	102	1749	964	0.425	411	407	0.9	1.1	9.068	A
				2	378	95	1749	964	0.392	379	379	0.8	0.7	7.071	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	367	92	1749	964	0.381	368	371	0.8	0.7	7.294	A
				3	422	106	1749	964	0.438	422	420	1.1	1.1	9.057	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	421	105	-	-	-	410	407	3.3	5.4	38.581	E
				2	761	190	-	-	-	745	749	6.0	9.7	38.133	E
				3	432	108	-	-	-	422	420	3.4	5.5	38.739	E
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:00 - 01:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	167	42	1124	523	0.319	166	170	0.9	0.4	10.513	B
				3	2	0.50	424	187	0.011	2	2	0.0	0.0	11.624	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	10	3	1077	482	0.021	11	11	0.1	0.0	13.338	B
				2	123	31	1124	522	0.237	123	125	0.7	0.3	10.711	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	91	23	1124	523	0.175	91	97	0.6	0.3	13.653	B
		2	1	1	10	3	-	-	-	10	11	0.0	0.0	1.642	A
				2	290	72	-	-	-	290	291	0.3	0.0	0.842	A
				3	2	0.49	-	-	-	2	2	0.0	0.0	0.644	A
				4	91	23	-	-	-	91	95	0.1	0.0	1.438	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	256	64	1685	1404	0.183	256	259	0.3	0.3	3.302	A
			2	1	326	82	1685	1405	0.232	328	323	0.4	0.2	3.483	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	326	81	-	-	-	326	323	0.0	0.0	0.108	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	256	64	-	-	-	256	259	0.0	0.0	0.073	A
3	Entry	1	1	1	2	0.58	545	419	0.006	2	2	0.0	0.0	4.168	A
				2	423	106	1652	1278	0.331	425	423	0.7	0.3	3.506	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	425	106	1652	1278	0.333	426	422	0.6	0.4	3.478	A
				3	12	3	1556	1197	0.010	11	11	0.0	0.0	4.012	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.58	-	-	-	2	2	0.0	0.0	0.004	A
				2	848	212	-	-	-	848	842	0.0	0.0	0.009	A
				3	12	3	-	-	-	12	11	0.0	0.0	0.035	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	337	84	1749	1107	0.304	336	360	1.1	0.7	6.596	A
				2	316	79	1749	1108	0.285	317	334	0.7	0.4	5.252	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	306	77	1749	1107	0.277	306	324	0.7	0.5	5.336	A
				3	350	88	1749	1107	0.316	350	369	1.1	0.6	6.833	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	337	84	-	-	-	337	359	5.4	0.2	10.311	B
				2	622	155	-	-	-	622	655	9.7	0.4	9.738	A
				3	350	87	-	-	-	350	367	5.5	0.2	10.135	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

01:15 - 01:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	139	35	1124	620	0.225	139	136	0.4	0.3	6.869	A
				3	1	0.31	324	177	0.007	1	1	0.0	0.0	8.037	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	7	2	959	524	0.014	7	8	0.0	0.0	8.125	A
				2	111	28	1124	617	0.180	111	111	0.3	0.3	7.049	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	83	21	1124	620	0.133	83	82	0.3	0.2	8.640	A
		2	1	1	7	2	-	-	-	7	8	0.0	0.0	0.270	A
				2	250	63	-	-	-	250	246	0.0	0.0	0.067	A
				3	1	0.31	-	-	-	1	1	0.0	0.0	0.000	A
				4	83	21	-	-	-	83	81	0.0	0.0	0.261	A
2	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	222	55	1685	1449	0.153	222	221	0.3	0.2	3.031	A
			2	1	273	68	1685	1450	0.189	274	271	0.2	0.2	3.206	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	273	68	-	-	-	273	271	0.0	0.0	0.054	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	222	55	-	-	-	222	221	0.0	0.0	0.039	A
3	Entry	1	1	1	2	0.39	519	419	0.004	2	2	0.0	0.0	3.480	A
				2	354	88	1652	1333	0.265	354	352	0.3	0.3	3.186	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	355	89	1652	1334	0.266	355	352	0.4	0.3	3.145	A
				3	8	2	1496	1210	0.007	8	9	0.0	0.0	3.663	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	2	0.39	-	-	-	2	2	0.0	0.0	0.000	A
				2	709	177	-	-	-	709	704	0.0	0.0	0.004	A
				3	8	2	-	-	-	8	9	0.0	0.0	0.008	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4	Entry	1	1	1	280	70	1749	1212	0.231	280	286	0.7	0.5	4.906	A
				2	260	65	1749	1215	0.214	261	263	0.4	0.2	3.881	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	262	66	1749	1214	0.216	262	264	0.5	0.3	3.985	A
				3	292	73	1749	1214	0.241	292	290	0.6	0.4	4.920	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	280	70	-	-	-	280	285	0.2	0.0	0.508	A
				2	523	131	-	-	-	523	526	0.4	0.1	0.429	A
				3	292	73	-	-	-	292	289	0.2	0.0	0.517	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A