

Junctions 9	
PICADY 9 - Priority Intersection Module	
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Filename: Site 3.j9

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Report generation date: 21/04/2021 10:46:09

- »Site 3 (R284/L3603 Junction) - Base year, 12hrs
- »Site 3 (R284/L3603 Junction) - Opening year, 12hrs
- »Site 3 (R284/L3603 Junction) - +5, 12hrs
- »Site 3 (R284/L3603 Junction) - +15, 12hrs
- »Site 3 (R284/L3603 Junction) - Opening year+QT, 12hrs
- »Site 3 (R284/L3603 Junction) - +5+QT, 12hrs
- »Site 3 (R284/L3603 Junction) - +15+QT, 12hrs

Summary of junction performance

	12hrs			
	Queue (Veh)	Delay (s)	RFC	LOS
Site 3 (R284/L3603 Junction) - Base year				
Stream B-CD	0.0	8.82	0.03	A
Stream B-AD	0.0	9.49	0.03	A
Stream A-BCD	0.0	6.14	0.02	A
Stream D-AB	0.0	7.50	0.02	A
Stream D-BC	0.0	9.75	0.03	A
Stream C-ABD	0.0	5.02	0.02	A
Site 3 (R284/L3603 Junction) - Opening year				
Stream B-CD	0.0	9.01	0.03	A
Stream B-AD	0.0	9.67	0.04	A
Stream A-BCD	0.0	6.17	0.02	A
Stream D-AB	0.0	7.57	0.03	A
Stream D-BC	0.0	9.87	0.04	A
Stream C-ABD	0.0	5.03	0.02	A
Site 3 (R284/L3603 Junction) - +5				
Stream B-CD	0.0	9.22	0.04	A
Stream B-AD	0.0	9.87	0.04	A
Stream A-BCD	0.0	6.19	0.02	A
Stream D-AB	0.0	7.64	0.03	A
Stream D-BC	0.0	10.00	0.04	A
Stream C-ABD	0.0	5.03	0.03	A
Site 3 (R284/L3603 Junction) - +15				
Stream B-CD	0.0	9.45	0.04	A
Stream B-AD	0.1	10.08	0.05	B
Stream A-BCD	0.0	6.22	0.02	A
Stream D-AB	0.0	7.71	0.03	A
Stream D-BC	0.0	10.13	0.04	B
Stream C-ABD	0.0	5.03	0.03	A
Site 3 (R284/L3603 Junction) - Opening year+QT				
Stream B-CD	0.0	9.67	0.03	A
Stream B-AD	0.0	10.56	0.04	B
Stream A-BCD	0.0	6.16	0.02	A
Stream D-AB	0.0	7.81	0.03	A
Stream D-BC	0.0	10.00	0.04	A
Stream C-ABD	0.0	5.02	0.02	A
Site 3 (R284/L3603 Junction) - +5+QT				
Stream B-CD	0.0	9.83	0.04	A
Stream B-AD	0.1	10.70	0.05	B
Stream A-BCD	0.0	6.19	0.02	A
Stream D-AB	0.0	7.90	0.03	A
Stream D-BC	0.0	10.12	0.04	B
Stream C-ABD	0.0	5.03	0.03	A
Site 3 (R284/L3603 Junction) - +15+QT				
Stream B-CD	0.0	10.03	0.04	B
Stream B-AD	0.1	10.87	0.05	B
Stream A-BCD	0.0	6.22	0.02	A
Stream D-AB	0.0	7.99	0.03	A
Stream D-BC	0.0	10.26	0.04	B
Stream C-ABD	0.0	5.03	0.03	A

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

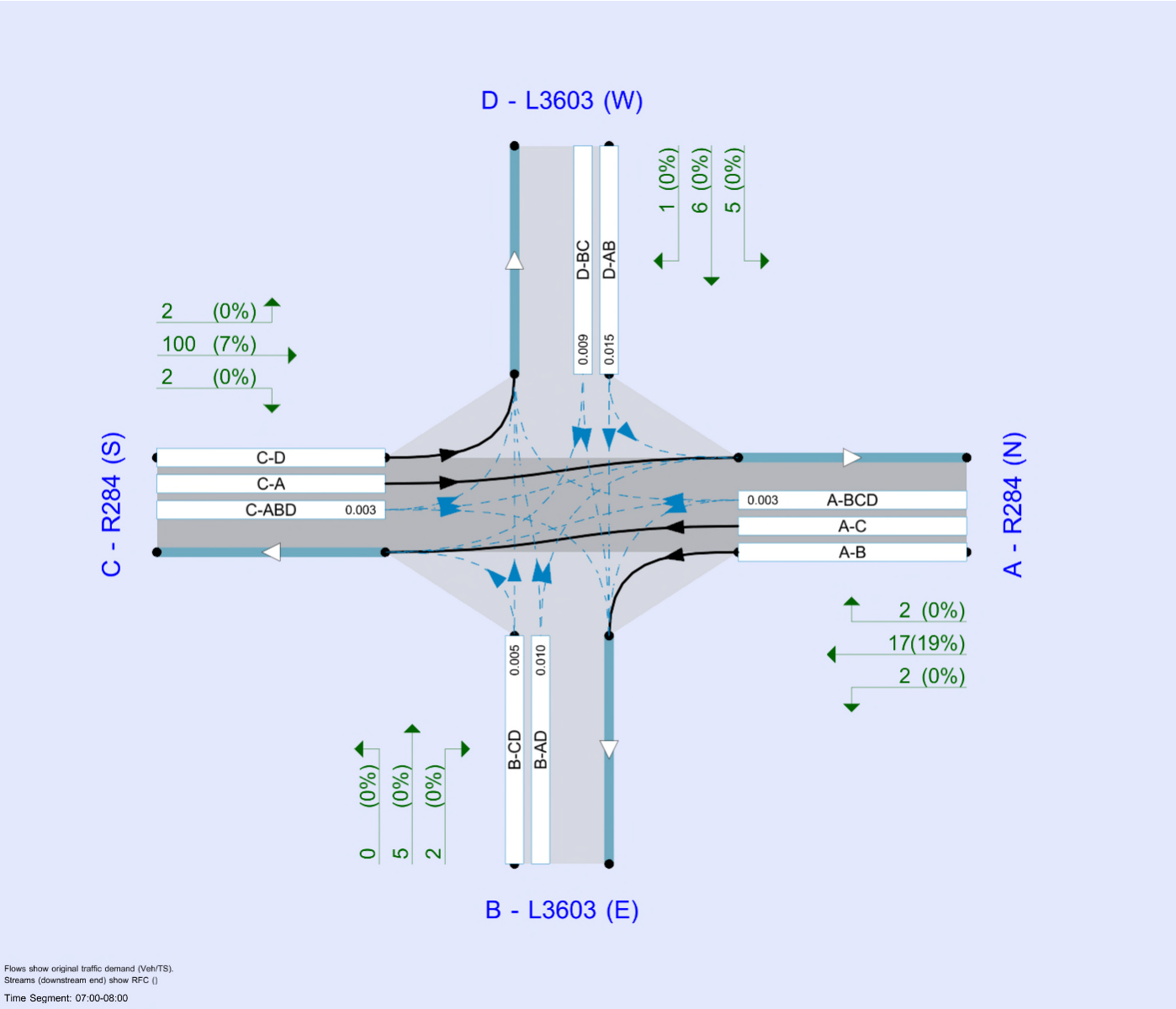
File summary

File Description

Title	P20-114
Location	Aghamore, Co. Sligo
Site number	3
Date	02/10/2020
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	PMCE\papadakisa
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	Veh	perTimeSegment	s	-Min	perMin



The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically	Relationship type	Relationship
D1	Base year	12hrs	DIRECT	07:00	19:00	720	60	✓		
D2	Opening year	12hrs	DIRECT	07:00	19:00	720	60	✓		
D3	+5	12hrs	DIRECT	07:00	19:00	720	60	✓		
D4	+15	12hrs	DIRECT	07:00	19:00	720	60	✓		
D5	Quarry Traffic	12hrs	DIRECT	07:00	19:00	720	60			
D6	Opening year+QT	12hrs	DIRECT	07:00	19:00	720	60	✓	Simple	D2+D5
D7	+5+QT	12hrs	DIRECT	07:00	19:00	720	60	✓	Simple	D3+D5
D8	+15+QT	12hrs	DIRECT	07:00	19:00	720	60	✓	Simple	D4+D5

Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Site 3 (R284/L3603 Junction)	✓	100.000	100.000

Site 3 (R284/L3603 Junction) - Base year, 12hrs

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 3	Crossroads	Two-way		1.56	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	R284 (N)		Major
B	L3603 (E)		Minor
C	R284 (S)		Major
D	L3603 (W)		Minor

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A - R284 (N)	6.20			75.0	✓	0.00
C - R284 (S)	6.20			250.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B - L3603 (E)	One lane plus flare	8.00	3.50	3.15	2.90	2.70		1.00	5	5
D - L3603 (W)	One lane plus flare	6.60	3.20	2.80	2.55	2.55		1.00	5	5

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/TS)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B	Slope for D-C
1	A-D	617.397	-	-	-	-	-	-	0.237	0.339	0.237	-	-	-
1	B-A	493.906	0.089	0.225	0.225	-	-	-	0.142	0.322	-	0.225	0.225	0.113
1	B-C	689.866	0.105	0.265	-	-	-	-	-	-	-	-	-	-
1	B-D, nearside lane	530.087	0.096	0.242	0.242	-	-	-	0.152	0.346	0.152	-	-	-
1	B-D, offside lane	493.906	0.089	0.225	0.225	-	-	-	0.142	0.322	0.142	-	-	-
1	C-B	718.741	0.276	0.276	0.394	-	-	-	-	-	-	-	-	-
1	D-A	645.919	-	-	-	-	-	-	0.248	-	0.098	-	-	-
1	D-B, nearside lane	496.318	0.143	0.143	0.324	-	-	-	0.227	0.227	0.090	-	-	-
1	D-B, offside lane	476.057	0.137	0.137	0.310	-	-	-	0.217	0.217	0.086	-	-	-
1	D-C	476.057	-	0.137	0.310	0.109	0.217	0.217	0.217	0.217	0.086	-	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

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

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

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	Base year	12hrs	DIRECT	07:00	19:00	720	60	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R284 (N)		DIRECT	✓	100.000
B - L3603 (E)		DIRECT	✓	100.000
C - R284 (S)		DIRECT	✓	100.000
D - L3603 (W)		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	2.00	17.00	2.00
	B - L3603 (E)	2.00	0.00	0.00	5.00
	C - R284 (S)	100.00	2.00	0.00	2.00
	D - L3603 (W)	5.00	6.00	1.00	0.00

Demand (Veh/TS)

08:00 - 09:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	1.00	59.00	10.00
	B - L3603 (E)	2.00	0.00	1.00	16.00
	C - R284 (S)	199.00	13.00	0.00	35.00
	D - L3603 (W)	2.00	4.00	4.00	0.00

Demand (Veh/TS)

09:00 - 10:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.00	47.00	7.00
	B - L3603 (E)	11.00	0.00	2.00	5.00
	C - R284 (S)	121.00	5.00	0.00	10.00
	D - L3603 (W)	5.00	9.00	6.00	0.00

Demand (Veh/TS)

10:00 - 11:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	7.00	49.00	4.00
	B - L3603 (E)	4.00	0.00	4.00	7.00
	C - R284 (S)	92.00	1.00	0.00	4.00
	D - L3603 (W)	5.00	3.00	5.00	0.00

Demand (Veh/TS)

11:00 - 12:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.00	67.00	3.00
	B - L3603 (E)	2.00	0.00	3.00	5.00
	C - R284 (S)	90.00	1.00	0.00	7.00
	D - L3603 (W)	5.00	7.00	6.00	0.00

Demand (Veh/TS)

12:00 - 13:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.00	66.00	5.00
	B - L3603 (E)	6.00	0.00	2.00	10.00
	C - R284 (S)	68.00	1.00	0.00	3.00
	D - L3603 (W)	2.00	6.00	5.00	0.00

13:00 - 14:00

Demand (Veh/TS)

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.00	70.00	9.00
	B - L3603 (E)	5.00	0.00	3.00	10.00
	C - R284 (S)	66.00	4.00	0.00	11.00
	D - L3603 (W)	7.00	2.00	4.00	0.00

Demand (Veh/TS)

14:00 - 15:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	9.00	77.00	11.00
	B - L3603 (E)	7.00	0.00	4.00	2.00
	C - R284 (S)	73.00	2.00	0.00	6.00
	D - L3603 (W)	4.00	7.00	7.00	0.00

Demand (Veh/TS)

15:00 - 16:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.00	99.00	4.00
	B - L3603 (E)	7.00	0.00	5.00	7.00
	C - R284 (S)	83.00	2.00	0.00	6.00
	D - L3603 (W)	1.00	7.00	6.00	0.00

Demand (Veh/TS)

16:00 - 17:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	12.00	132.00	9.00
	B - L3603 (E)	5.00	0.00	8.00	13.00
	C - R284 (S)	83.00	0.00	0.00	11.00
	D - L3603 (W)	10.00	4.00	8.00	0.00

Demand (Veh/TS)

17:00 - 18:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	6.00	178.00	9.00
	B - L3603 (E)	7.00	0.00	9.00	14.00
	C - R284 (S)	89.00	4.00	0.00	5.00
	D - L3603 (W)	9.00	8.00	10.00	0.00

Demand (Veh/TS)

18:00 - 19:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	6.00	136.00	8.00
	B - L3603 (E)	2.00	0.00	3.00	6.00
	C - R284 (S)	65.00	1.00	0.00	4.00
	D - L3603 (W)	7.00	4.00	8.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	19	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	7	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	4	0
	B - L3603 (E)	0	0	0	23
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	0	0

09:00 - 10:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	9	0
	B - L3603 (E)	18	0	0	25
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	13	0	0

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	11	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	0	50	0

10:00 - 11:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	25	5	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	0	0	0

11:00 - 12:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	7	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	1	0	0	0
	D - L3603 (W)	0	0	25	0

12:00 - 13:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	3	0	0	30
	D - L3603 (W)	0	0	0	0

13:00 - 14:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	8	4	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	7	0	0	0
	D - L3603 (W)	0	0	0	0

14:00 - 15:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	4	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	5	0	0	0
	D - L3603 (W)	0	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	17	1	0
	B - L3603 (E)	25	0	0	21
	C - R284 (S)	5	0	0	13
	D - L3603 (W)	0	0	0	0

16:00 - 17:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	0	0

17:00 - 18:00

Heavy Vehicle Percentages

18:00 - 19:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	8
	C - R284 (S)	1	0	0	0
	D - L3603 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-CD	0.03	8.82	0.0	A	7.88	94.57
B-AD	0.03	9.49	0.0	A	9.12	109.44
A-BCD	0.02	6.14	0.0	A	7.95	95.39
A-B					6.01	72.11
A-C					81.96	983.50
D-AB	0.02	7.50	0.0	A	8.00	95.99
D-BC	0.03	9.75	0.0	A	8.58	103.01
C-ABD	0.02	5.02	0.0	A	3.70	44.43
C-D					8.58	103.00
C-A					93.46	1121.57

Main Results for each time segment

07:00 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	2.51	2.51	505.99	0.005	2.51	0.0	0.0	7.149	A
B-AD	4.49	4.49	471.55	0.010	4.48	0.0	0.0	7.707	A
A-BCD	2.07	2.07	602.52	0.003	2.06	0.0	0.0	5.994	A
A-B	1.99	1.99			1.99				
A-C	16.94	16.94			16.94				
D-AB	8.01	8.01	550.70	0.015	7.99	0.0	0.0	6.632	A
D-BC	3.99	3.99	448.23	0.009	3.98	0.0	0.0	8.103	A
C-ABD	2.31	2.31	770.61	0.003	2.30	0.0	0.0	4.685	A
C-D	1.99	1.99			1.99				
C-A	99.70	99.70			99.70				

08:00 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.04	9.04	401.87	0.022	9.02	0.0	0.0	8.824	A
B-AD	9.96	9.96	373.35	0.027	9.95	0.0	0.0	9.426	A
A-BCD	11.12	11.12	597.43	0.019	11.10	0.0	0.0	6.140	A
A-B	0.98	0.98			0.98				
A-C	57.90	57.90			57.90				
D-AB	4.02	4.02	497.64	0.008	4.03	0.0	0.0	7.295	A
D-BC	5.98	5.98	411.56	0.015	5.97	0.0	0.0	8.875	A
C-ABD	18.02	18.02	839.57	0.021	18.00	0.0	0.0	4.384	A
C-D	34.25	34.25			34.25				
C-A	194.73	194.73			194.73				

09:00 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	4.57	4.57	440.41	0.010	4.58	0.0	0.0	8.547	A
B-AD	13.43	13.43	391.84	0.034	13.42	0.0	0.0	9.482	A
A-BCD	7.62	7.62	616.64	0.012	7.63	0.0	0.0	5.902	A
A-B	2.96	2.96			2.96				
A-C	46.42	46.42			46.42				
D-AB	9.56	9.56	490.29	0.020	9.55	0.0	0.0	7.360	A
D-BC	10.44	10.44	414.32	0.025	10.43	0.0	0.0	8.745	A
C-ABD	6.01	6.01	780.30	0.008	6.03	0.0	0.0	4.655	A
C-D	9.92	9.92			9.92				
C-A	120.06	120.06			120.06				

10:00 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	7.53	7.53	577.25	0.013	7.53	0.0	0.0	6.656	A
B-AD	7.47	7.47	464.30	0.016	7.49	0.0	0.0	8.846	A
A-BCD	4.39	4.39	629.46	0.007	4.40	0.0	0.0	5.753	A
A-B	6.95	6.95			6.95				
A-C	48.66	48.66			48.66				
D-AB	6.53	6.53	573.06	0.011	6.53	0.0	0.0	6.580	A
D-BC	6.47	6.47	320.43	0.020	6.48	0.0	0.0	9.747	A
C-ABD	1.15	1.15	757.85	0.002	1.15	0.0	0.0	4.753	A
C-D	3.99	3.99			3.99				
C-A	91.86	91.86			91.86				

11:00 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.51	5.51	576.31	0.010	5.52	0.0	0.0	6.306	A
B-AD	4.49	4.49	461.02	0.010	4.50	0.0	0.0	7.885	A
A-BCD	3.40	3.40	642.02	0.005	3.40	0.0	0.0	5.637	A
A-B	7.96	7.96			7.96				
A-C	66.64	66.64			66.64				
D-AB	8.55	8.55	541.13	0.016	8.54	0.0	0.0	6.758	A
D-BC	9.45	9.45	442.53	0.021	9.44	0.0	0.0	9.642	A
C-ABD	1.15	1.15	753.95	0.002	1.15	0.0	0.0	4.782	A
C-D	6.99	6.99			6.99				
C-A	89.86	89.86			89.86				

12:00 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	7.06	7.06	535.34	0.013	7.06	0.0	0.0	6.813	A
B-AD	10.94	10.94	464.42	0.024	10.92	0.0	0.0	7.938	A
A-BCD	5.65	5.65	647.71	0.009	5.64	0.0	0.0	5.607	A
A-B	7.93	7.93			7.93				
A-C	65.42	65.42			65.42				
D-AB	5.04	5.04	517.67	0.010	5.05	0.0	0.0	7.021	A
D-BC	7.96	7.96	386.32	0.021	7.96	0.0	0.0	8.803	A
C-ABD	1.11	1.11	738.23	0.002	1.11	0.0	0.0	4.890	A
C-D	3.00	3.00			3.00				
C-A	67.90	67.90			67.90				

13:00 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.05	8.05	546.73	0.015	8.05	0.0	0.0	6.682	A
B-AD	9.95	9.95	462.43	0.022	9.95	0.0	0.0	7.955	A
A-BCD	10.15	10.15	645.03	0.016	10.14	0.0	0.0	5.681	A
A-B	2.95	2.95			2.95				
A-C	68.90	68.90			68.90				
D-AB	8.01	8.01	577.89	0.014	8.00	0.0	0.0	6.316	A
D-BC	4.99	4.99	451.45	0.011	5.00	0.0	0.0	8.847	A
C-ABD	4.46	4.46	740.07	0.006	4.46	0.0	0.0	4.888	A
C-D	10.93	10.93			10.93				
C-A	65.60	65.60			65.60				

14:00 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.02	5.02	603.05	0.008	5.02	0.0	0.0	6.019	A
B-AD	7.98	7.98	460.46	0.017	7.99	0.0	0.0	7.957	A
A-BCD	12.67	12.67	652.93	0.019	12.67	0.0	0.0	5.610	A
A-B	8.83	8.83			8.83				
A-C	75.50	75.50			75.50				
D-AB	7.56	7.56	532.87	0.014	7.56	0.0	0.0	6.852	A
D-BC	10.44	10.44	441.95	0.024	10.43	0.0	0.0	8.342	A
C-ABD	2.24	2.24	736.36	0.003	2.24	0.0	0.0	4.904	A
C-D	5.98	5.98			5.98				
C-A	72.78	72.78			72.78				

15:00 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.55	8.55	573.59	0.015	8.55	0.0	0.0	6.370	A
B-AD	10.45	10.45	454.22	0.023	10.44	0.0	0.0	8.112	A
A-BCD	4.77	4.77	665.10	0.007	4.79	0.0	0.0	5.454	A
A-B	7.94	7.94			7.94				
A-C	98.29	98.29			98.29				
D-AB	4.55	4.55	484.44	0.009	4.55	0.0	0.0	7.500	A
D-BC	9.45	9.45	438.41	0.022	9.45	0.0	0.0	8.393	A
C-ABD	2.27	2.27	740.18	0.003	2.27	0.0	0.0	4.881	A
C-D	5.98	5.98			5.98				
C-A	82.75	82.75			82.75				

16:00 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	14.59	14.59	501.32	0.029	14.58	0.0	0.0	7.154	A
B-AD	11.41	11.41	363.18	0.031	11.40	0.0	0.0	9.306	A
A-BCD	11.38	11.38	689.04	0.017	11.37	0.0	0.0	5.311	A
A-B	11.80	11.80			11.80				
A-C	129.82	129.82			129.82				
D-AB	12.04	12.04	581.95	0.021	12.03	0.0	0.0	6.315	A
D-BC	9.96	9.96	429.92	0.023	9.96	0.0	0.0	8.571	A
C-ABD	0.00	0.00	670.92	0.000	0.00	0.0	0.0	0.000	A
C-D	11.00	11.00			11.00				
C-A	83.00	83.00			83.00				

17:00 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	16.11	16.11	546.31	0.029	16.11	0.0	0.0	7.101	A
B-AD	13.89	13.89	433.22	0.032	13.88	0.0	0.0	9.489	A
A-BCD	12.12	12.12	715.59	0.017	12.12	0.0	0.0	5.120	A
A-B	5.90	5.90			5.90				
A-C	174.98	174.98			174.98				
D-AB	13.10	13.10	549.00	0.024	13.09	0.0	0.0	6.716	A
D-BC	13.90	13.90	423.02	0.033	13.89	0.0	0.0	8.799	A
C-ABD	4.60	4.60	722.13	0.006	4.59	0.0	0.0	5.020	A
C-D	4.97	4.97			4.97				
C-A	88.43	88.43			88.43				

18:00 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.01	6.01	528.28	0.011	6.03	0.0	0.0	6.693	A
B-AD	4.99	4.99	427.89	0.012	5.01	0.0	0.0	8.214	A
A-BCD	10.06	10.06	694.38	0.014	10.06	0.0	0.0	5.264	A
A-B	5.91	5.91			5.91				
A-C	134.03	134.03			134.03				
D-AB	9.04	9.04	576.80	0.016	9.05	0.0	0.0	6.340	A
D-BC	9.96	9.96	437.79	0.023	9.97	0.0	0.0	8.416	A
C-ABD	1.11	1.11	718.51	0.002	1.11	0.0	0.0	5.023	A
C-D	3.99	3.99			3.99				
C-A	64.90	64.90			64.90				

Site 3 (R284/L3603 Junction) - Opening year, 12hrs

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 3	Crossroads	Two-way		1.59	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D2	Opening year	12hrs	DIRECT	07:00	19:00	720	60	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R284 (N)		DIRECT	✓	100.000
B - L3603 (E)		DIRECT	✓	100.000
C - R284 (S)		DIRECT	✓	100.000
D - L3603 (W)		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	2.16	18.57	2.16
	B - L3603 (E)	2.16	0.00	0.00	5.41
	C - R284 (S)	108.64	2.16	0.00	2.16
	D - L3603 (W)	5.41	6.49	1.08	0.00

Demand (Veh/TS)

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	1.08	64.10	10.82
	B - L3603 (E)	2.16	0.00	1.08	17.67
	C - R284 (S)	215.57	14.06	0.00	37.96
	D - L3603 (W)	2.16	4.42	4.33	0.00

Demand (Veh/TS)

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.25	51.21	7.57
	B - L3603 (E)	12.08	0.00	2.16	5.50
	C - R284 (S)	131.09	5.50	0.00	10.82
	D - L3603 (W)	5.41	9.83	6.49	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	7.57	53.46	4.42
	B - L3603 (E)	4.33	0.00	4.33	7.66
	C - R284 (S)	99.80	1.08	0.00	4.33
	D - L3603 (W)	5.41	3.25	5.59	0.00

Demand (Veh/TS)**11:00 - 12:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.74	72.76	3.25
	B - L3603 (E)	2.25	0.00	3.25	5.41
	C - R284 (S)	97.55	1.08	0.00	7.75
	D - L3603 (W)	5.41	7.57	6.49	0.00

Demand (Veh/TS)**12:00 - 13:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.66	71.85	5.41
	B - L3603 (E)	6.49	0.00	2.16	11.00
	C - R284 (S)	73.66	1.08	0.00	3.25
	D - L3603 (W)	2.16	6.67	5.50	0.00

Demand (Veh/TS)**13:00 - 14:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.25	75.82	9.74
	B - L3603 (E)	5.41	0.00	3.25	10.82
	C - R284 (S)	71.58	4.42	0.00	12.08
	D - L3603 (W)	7.57	2.16	4.33	0.00

Demand (Veh/TS)**14:00 - 15:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	9.83	83.57	11.90
	B - L3603 (E)	7.66	0.00	4.33	2.25
	C - R284 (S)	79.43	2.16	0.00	6.49
	D - L3603 (W)	4.33	7.66	7.66	0.00

Demand (Veh/TS)**15:00 - 16:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.66	107.47	4.33
	B - L3603 (E)	7.57	0.00	5.41	7.66
	C - R284 (S)	90.15	2.16	0.00	6.58
	D - L3603 (W)	1.08	7.66	6.58	0.00

Demand (Veh/TS)**16:00 - 17:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	13.16	142.99	9.74
	B - L3603 (E)	5.50	0.00	8.66	14.33
	C - R284 (S)	90.24	0.00	0.00	12.08
	D - L3603 (W)	10.82	4.33	8.66	0.00

Demand (Veh/TS)**17:00 - 18:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	6.58	192.85	9.74
	B - L3603 (E)	7.57	0.00	9.74	15.15
	C - R284 (S)	96.47	4.33	0.00	5.41
	D - L3603 (W)	9.74	8.66	10.82	0.00

Demand (Veh/TS)**18:00 - 19:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	6.49	147.32	8.66
	B - L3603 (E)	2.16	0.00	3.25	6.58
	C - R284 (S)	70.41	1.08	0.00	4.42
	D - L3603 (W)	7.57	4.33	8.66	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	20	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	8	0	0	0
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

08:00 - 09:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	4	0
		B - L3603 (E)	0	0	0	23
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

09:00 - 10:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	9	0
		B - L3603 (E)	18	0	0	25
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	13	0	0

Heavy Vehicle Percentages

10:00 - 11:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	11	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	3	0	0	0
		D - L3603 (W)	0	0	50	0

Heavy Vehicle Percentages

11:00 - 12:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	25	5	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	3	0	0	0
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

12:00 - 13:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	8	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	1	0	0	0
		D - L3603 (W)	0	0	25	0

Heavy Vehicle Percentages

13:00 - 14:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	2	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	3	0	0	30
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

14:00 - 15:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	9	5	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	7	0	0	0
		D - L3603 (W)	0	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	0	4	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	5	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

16:00 - 17:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	17	2	0
	B - L3603 (E)	25	0	0	22
	C - R284 (S)	5	0	0	13
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

17:00 - 18:00

From	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

18:00 - 19:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	9
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-CD	0.03	9.01	0.0	A	8.58	103.00
B-AD	0.04	9.67	0.0	A	9.95	119.40
A-BCD	0.02	6.17	0.0	A	8.73	104.80
A-B					6.53	78.36
A-C					88.83	1065.95
D-AB	0.03	7.57	0.0	A	8.68	104.17
D-BC	0.04	9.87	0.0	A	9.34	112.11
C-ABD	0.02	5.03	0.0	A	4.10	49.17
C-D					9.34	112.13
C-A					101.31	1215.74

Main Results for each time segment

07:00 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	2.72	2.72	503.78	0.005	2.71	0.0	0.0	7.183	A
B-AD	4.86	4.86	469.49	0.010	4.85	0.0	0.0	7.747	A
A-BCD	2.24	2.24	601.15	0.004	2.24	0.0	0.0	6.010	A
A-B	2.16	2.16			2.16				
A-C	18.50	18.50			18.50				
D-AB	8.66	8.66	548.00	0.016	8.65	0.0	0.0	6.674	A
D-BC	4.32	4.32	445.68	0.010	4.31	0.0	0.0	8.156	A
C-ABD	2.52	2.52	774.84	0.003	2.52	0.0	0.0	4.660	A
C-D	2.16	2.16			2.16				
C-A	108.28	108.28			108.28				

08:00 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.96	9.96	394.25	0.025	9.94	0.0	0.0	9.012	A
B-AD	10.95	10.95	366.80	0.030	10.94	0.0	0.0	9.610	A
A-BCD	12.15	12.15	595.96	0.020	12.13	0.0	0.0	6.167	A
A-B	1.06	1.06			1.06				
A-C	62.79	62.79			62.79				
D-AB	4.40	4.40	491.38	0.009	4.40	0.0	0.0	7.391	A
D-BC	6.51	6.51	406.02	0.016	6.51	0.0	0.0	9.010	A
C-ABD	20.05	20.05	849.71	0.024	20.02	0.0	0.0	4.341	A
C-D	37.06	37.06			37.06				
C-A	210.48	210.48			210.48				

09:00 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.00	5.00	435.88	0.011	5.01	0.0	0.0	8.685	A
B-AD	14.74	14.74	387.04	0.038	14.73	0.0	0.0	9.644	A
A-BCD	8.31	8.31	616.69	0.013	8.32	0.0	0.0	5.904	A
A-B	3.20	3.20			3.20				
A-C	50.51	50.51			50.51				
D-AB	10.40	10.40	485.17	0.021	10.38	0.0	0.0	7.446	A
D-BC	11.33	11.33	410.11	0.028	11.32	0.0	0.0	8.849	A
C-ABD	6.72	6.72	785.32	0.009	6.74	0.0	0.0	4.630	A
C-D	10.73	10.73			10.73				
C-A	129.96	129.96			129.96				

10:00 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.20	8.20	574.15	0.014	8.19	0.0	0.0	6.705	A
B-AD	8.12	8.12	461.59	0.018	8.14	0.0	0.0	8.950	A
A-BCD	4.89	4.89	630.55	0.008	4.90	0.0	0.0	5.746	A
A-B	7.51	7.51			7.51				
A-C	53.04	53.04			53.04				
D-AB	7.06	7.06	570.23	0.012	7.07	0.0	0.0	6.630	A
D-BC	7.18	7.18	317.62	0.023	7.19	0.0	0.0	9.867	A
C-ABD	1.25	1.25	760.95	0.002	1.26	0.0	0.0	4.732	A
C-D	4.32	4.32			4.32				
C-A	99.64	99.64			99.64				

11:00 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.96	5.96	573.55	0.010	5.97	0.0	0.0	6.344	A
B-AD	4.94	4.94	458.09	0.011	4.95	0.0	0.0	7.946	A
A-BCD	3.72	3.72	644.14	0.006	3.72	0.0	0.0	5.622	A
A-B	8.69	8.69			8.69				
A-C	72.33	72.33			72.33				
D-AB	9.25	9.25	538.19	0.017	9.25	0.0	0.0	6.805	A
D-BC	10.22	10.22	439.61	0.023	10.21	0.0	0.0	9.759	A
C-ABD	1.26	1.26	756.91	0.002	1.26	0.0	0.0	4.765	A
C-D	7.74	7.74			7.74				
C-A	97.39	97.39			97.39				

12:00 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	7.74	7.74	531.93	0.015	7.74	0.0	0.0	6.866	A
B-AD	11.91	11.91	461.77	0.026	11.90	0.0	0.0	8.002	A
A-BCD	6.17	6.17	650.38	0.009	6.17	0.0	0.0	5.588	A
A-B	8.57	8.57			8.57				
A-C	71.17	71.17			71.17				
D-AB	5.55	5.55	514.09	0.011	5.56	0.0	0.0	7.078	A
D-BC	8.78	8.78	384.27	0.023	8.79	0.0	0.0	8.879	A
C-ABD	1.21	1.21	739.71	0.002	1.21	0.0	0.0	4.880	A
C-D	3.24	3.24			3.24				
C-A	73.54	73.54			73.54				

13:00 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.72	8.72	543.80	0.016	8.72	0.0	0.0	6.727	A
B-AD	10.76	10.76	459.71	0.023	10.76	0.0	0.0	8.019	A
A-BCD	11.09	11.09	647.23	0.017	11.08	0.0	0.0	5.672	A
A-B	3.19	3.19			3.19				
A-C	74.52	74.52			74.52				
D-AB	8.67	8.67	575.95	0.015	8.66	0.0	0.0	6.345	A
D-BC	5.40	5.40	448.63	0.012	5.41	0.0	0.0	8.914	A
C-ABD	4.98	4.98	741.99	0.007	4.97	0.0	0.0	4.878	A
C-D	12.00	12.00			12.00				
C-A	71.10	71.10			71.10				

14:00 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.47	5.47	599.25	0.009	5.48	0.0	0.0	6.062	A
B-AD	8.77	8.77	457.17	0.019	8.77	0.0	0.0	8.030	A
A-BCD	13.88	13.88	655.86	0.021	13.87	0.0	0.0	5.593	A
A-B	9.62	9.62			9.62				
A-C	81.80	81.80			81.80				
D-AB	8.23	8.23	529.29	0.016	8.23	0.0	0.0	6.908	A
D-BC	11.43	11.43	438.86	0.026	11.41	0.0	0.0	8.422	A
C-ABD	2.45	2.45	737.86	0.003	2.45	0.0	0.0	4.896	A
C-D	6.47	6.47			6.47				
C-A	79.16	79.16			79.16				

15:00 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.31	9.31	569.49	0.016	9.30	0.0	0.0	6.425	A
B-AD	11.34	11.34	450.70	0.025	11.33	0.0	0.0	8.193	A
A-BCD	5.24	5.24	669.09	0.008	5.26	0.0	0.0	5.425	A
A-B	8.59	8.59			8.59				
A-C	106.62	106.62			106.62				
D-AB	4.97	4.97	480.67	0.010	4.98	0.0	0.0	7.569	A
D-BC	10.35	10.35	435.07	0.024	10.36	0.0	0.0	8.477	A
C-ABD	2.49	2.49	742.07	0.003	2.49	0.0	0.0	4.871	A
C-D	6.56	6.56			6.56				
C-A	89.85	89.85			89.85				

16:00 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	15.93	15.93	493.03	0.032	15.92	0.0	0.0	7.282	A
B-AD	12.55	12.55	357.77	0.035	12.55	0.0	0.0	9.464	A
A-BCD	12.56	12.56	695.01	0.018	12.55	0.0	0.0	5.274	A
A-B	12.92	12.92			12.92				
A-C	140.40	140.40			140.40				
D-AB	13.03	13.03	578.94	0.023	13.01	0.0	0.0	6.360	A
D-BC	10.77	10.77	425.80	0.025	10.77	0.0	0.0	8.673	A
C-ABD	0.00	0.00	666.61	0.000	0.00	0.0	0.0	0.000	A
C-D	12.08	12.08			12.08				
C-A	90.24	90.24			90.24				

17:00 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	17.45	17.45	540.88	0.032	17.44	0.0	0.0	7.217	A
B-AD	15.01	15.01	428.07	0.035	15.00	0.0	0.0	9.673	A
A-BCD	13.45	13.45	723.93	0.019	13.44	0.0	0.0	5.071	A
A-B	6.46	6.46			6.46				
A-C	189.26	189.26			189.26				
D-AB	14.18	14.18	545.30	0.026	14.17	0.0	0.0	6.777	A
D-BC	15.03	15.03	418.52	0.036	15.02	0.0	0.0	8.921	A
C-ABD	5.04	5.04	722.54	0.007	5.03	0.0	0.0	5.021	A
C-D	5.37	5.37			5.37				
C-A	95.80	95.80			95.80				

18:00 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.55	6.55	522.52	0.013	6.57	0.0	0.0	6.760	A
B-AD	5.44	5.44	423.12	0.013	5.47	0.0	0.0	8.301	A
A-BCD	11.09	11.09	700.81	0.016	11.10	0.0	0.0	5.225	A
A-B	6.39	6.39			6.39				
A-C	144.98	144.98			144.98				
D-AB	9.78	9.78	574.33	0.017	9.79	0.0	0.0	6.376	A
D-BC	10.78	10.78	434.54	0.025	10.79	0.0	0.0	8.497	A
C-ABD	1.21	1.21	718.63	0.002	1.21	0.0	0.0	5.026	A
C-D	4.41	4.41			4.41				
C-A	70.29	70.29			70.29				

Site 3 (R284/L3603 Junction) - +5, 12hrs

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 3	Crossroads	Two-way		1.62	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D3	+5	12hrs	DIRECT	07:00	19:00	720	60	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R284 (N)		DIRECT	✓	100.000
B - L3603 (E)		DIRECT	✓	100.000
C - R284 (S)		DIRECT	✓	100.000
D - L3603 (W)		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	2.33	20.20	2.33
	B - L3603 (E)	2.33	0.00	0.00	5.82
	C - R284 (S)	117.43	2.33	0.00	2.33
	D - L3603 (W)	5.82	6.98	1.16	0.00

Demand (Veh/TS)

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	1.16	69.29	11.64
	B - L3603 (E)	2.33	0.00	1.16	19.46
	C - R284 (S)	232.22	15.13	0.00	40.94
	D - L3603 (W)	2.33	4.86	4.66	0.00

Demand (Veh/TS)

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.49	55.54	8.15
	B - L3603 (E)	13.22	0.00	2.33	6.03
	C - R284 (S)	141.24	6.03	0.00	11.64
	D - L3603 (W)	5.82	10.68	6.98	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	8.15	58.07	4.86
	B - L3603 (E)	4.66	0.00	4.66	8.36
	C - R284 (S)	107.70	1.16	0.00	4.66
	D - L3603 (W)	5.82	3.49	6.24	0.00

Demand (Veh/TS)**11:00 - 12:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	9.52	78.60	3.49
	B - L3603 (E)	2.54	0.00	3.49	5.82
	C - R284 (S)	105.16	1.16	0.00	8.56
	D - L3603 (W)	5.82	8.15	6.98	0.00

Demand (Veh/TS)**12:00 - 13:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	9.31	77.86	5.82
	B - L3603 (E)	6.98	0.00	2.33	12.06
	C - R284 (S)	79.35	1.16	0.00	3.49
	D - L3603 (W)	2.33	7.40	6.03	0.00

Demand (Veh/TS)**13:00 - 14:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	3.49	81.68	10.47
	B - L3603 (E)	5.82	0.00	3.49	11.64
	C - R284 (S)	77.23	4.86	0.00	13.22
	D - L3603 (W)	8.15	2.33	4.66	0.00

Demand (Veh/TS)**14:00 - 15:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	10.68	90.24	12.80
	B - L3603 (E)	8.36	0.00	4.66	2.54
	C - R284 (S)	86.00	2.33	0.00	6.98
	D - L3603 (W)	4.66	8.36	8.36	0.00

Demand (Veh/TS)**15:00 - 16:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	9.31	116.05	4.66
	B - L3603 (E)	8.15	0.00	5.82	8.36
	C - R284 (S)	97.43	2.33	0.00	7.19
	D - L3603 (W)	1.16	8.36	7.19	0.00

Demand (Veh/TS)**16:00 - 17:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	14.38	154.04	10.47
	B - L3603 (E)	6.03	0.00	9.31	15.76
	C - R284 (S)	97.64	0.00	0.00	13.22
	D - L3603 (W)	11.64	4.66	9.31	0.00

Demand (Veh/TS)**17:00 - 18:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	7.19	207.78	10.47
	B - L3603 (E)	8.15	0.00	10.47	16.29
	C - R284 (S)	104.00	4.66	0.00	5.82
	D - L3603 (W)	10.47	9.31	11.64	0.00

Demand (Veh/TS)**18:00 - 19:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	6.98	158.70	9.31
	B - L3603 (E)	2.33	0.00	3.49	7.19
	C - R284 (S)	75.86	1.16	0.00	4.86
	D - L3603 (W)	8.15	4.66	9.31	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	21	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	8	0	0	0
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

08:00 - 09:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	4	0
		B - L3603 (E)	0	0	0	25
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

09:00 - 10:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	10	0
		B - L3603 (E)	19	0	0	25
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	14	0	0

Heavy Vehicle Percentages

10:00 - 11:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	12	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	3	0	0	0
		D - L3603 (W)	0	0	50	0

Heavy Vehicle Percentages

11:00 - 12:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	25	5	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	3	0	0	0
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

12:00 - 13:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	9	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	0	25	0

Heavy Vehicle Percentages

13:00 - 14:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	0	2	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	3	0	0	31
		D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

14:00 - 15:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	9	5	0
		B - L3603 (E)	0	0	0	0
		C - R284 (S)	8	0	0	0
		D - L3603 (W)	0	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	0	4	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	5	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

16:00 - 17:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	18	2	0
	B - L3603 (E)	25	0	0	23
	C - R284 (S)	6	0	0	14
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

17:00 - 18:00

From	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

18:00 - 19:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	9
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-CD	0.04	9.22	0.0	A	9.31	111.67
B-AD	0.04	9.87	0.0	A	10.81	129.72
A-BCD	0.02	6.19	0.0	A	9.54	114.52
A-B					7.06	84.75
A-C					95.77	1149.26
D-AB	0.03	7.64	0.0	A	9.37	112.46
D-BC	0.04	10.00	0.0	A	10.12	121.44
C-ABD	0.03	5.03	0.0	A	4.51	54.16
C-D					10.13	121.51
C-A					109.23	1310.81

Main Results for each time segment

07:00 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	2.92	2.92	501.48	0.006	2.92	0.0	0.0	7.219	A
B-AD	5.22	5.22	467.36	0.011	5.21	0.0	0.0	7.789	A
A-BCD	2.42	2.42	599.74	0.004	2.41	0.0	0.0	6.026	A
A-B	2.32	2.32			2.32				
A-C	20.12	20.12			20.12				
D-AB	9.32	9.32	545.21	0.017	9.30	0.0	0.0	6.716	A
D-BC	4.65	4.65	443.04	0.010	4.64	0.0	0.0	8.211	A
C-ABD	2.75	2.75	779.08	0.004	2.75	0.0	0.0	4.636	A
C-D	2.32	2.32			2.32				
C-A	117.01	117.01			117.01				

08:00 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	10.94	10.94	386.35	0.028	10.92	0.0	0.0	9.216	A
B-AD	12.00	12.00	360.02	0.033	11.98	0.0	0.0	9.810	A
A-BCD	13.20	13.20	594.52	0.022	13.18	0.0	0.0	6.193	A
A-B	1.14	1.14			1.14				
A-C	67.75	67.75			67.75				
D-AB	4.79	4.79	484.92	0.010	4.80	0.0	0.0	7.497	A
D-BC	7.06	7.06	400.39	0.018	7.05	0.0	0.0	9.152	A
C-ABD	22.17	22.17	859.89	0.026	22.15	0.0	0.0	4.300	A
C-D	39.89	39.89			39.89				
C-A	226.23	226.23			226.23				

09:00 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.45	5.45	431.03	0.013	5.46	0.0	0.0	8.837	A
B-AD	16.13	16.13	382.00	0.042	16.12	0.0	0.0	9.821	A
A-BCD	9.01	9.01	616.76	0.015	9.02	0.0	0.0	5.908	A
A-B	3.44	3.44			3.44				
A-C	54.72	54.72			54.72				
D-AB	11.25	11.25	479.82	0.023	11.23	0.0	0.0	7.538	A
D-BC	12.24	12.24	405.76	0.030	12.22	0.0	0.0	8.959	A
C-ABD	7.48	7.48	790.32	0.009	7.50	0.0	0.0	4.608	A
C-D	11.53	11.53			11.53				
C-A	139.90	139.90			139.90				

10:00 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.88	8.88	570.86	0.016	8.87	0.0	0.0	6.758	A
B-AD	8.79	8.79	458.75	0.019	8.81	0.0	0.0	9.066	A
A-BCD	5.44	5.44	631.67	0.009	5.44	0.0	0.0	5.740	A
A-B	8.08	8.08			8.08				
A-C	57.57	57.57			57.57				
D-AB	7.60	7.60	567.07	0.013	7.61	0.0	0.0	6.689	A
D-BC	7.95	7.95	314.69	0.025	7.95	0.0	0.0	9.998	A
C-ABD	1.37	1.37	763.99	0.002	1.37	0.0	0.0	4.713	A
C-D	4.65	4.65			4.65				
C-A	107.50	107.50			107.50				

11:00 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.42	6.42	570.70	0.011	6.42	0.0	0.0	6.381	A
B-AD	5.43	5.43	455.09	0.012	5.44	0.0	0.0	8.007	A
A-BCD	4.04	4.04	646.28	0.006	4.05	0.0	0.0	5.607	A
A-B	9.46	9.46			9.46				
A-C	78.11	78.11			78.11				
D-AB	9.96	9.96	535.18	0.019	9.95	0.0	0.0	6.853	A
D-BC	10.99	10.99	436.63	0.025	10.98	0.0	0.0	9.884	A
C-ABD	1.37	1.37	759.88	0.002	1.37	0.0	0.0	4.746	A
C-D	8.55	8.55			8.55				
C-A	104.97	104.97			104.97				

12:00 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.45	8.45	528.35	0.016	8.44	0.0	0.0	6.923	A
B-AD	12.92	12.92	459.03	0.028	12.90	0.0	0.0	8.069	A
A-BCD	6.72	6.72	653.11	0.010	6.71	0.0	0.0	5.568	A
A-B	9.21	9.21			9.21				
A-C	77.05	77.05			77.05				
D-AB	6.09	6.09	510.30	0.012	6.10	0.0	0.0	7.139	A
D-BC	9.67	9.67	382.19	0.025	9.67	0.0	0.0	8.957	A
C-ABD	1.31	1.31	741.13	0.002	1.31	0.0	0.0	4.875	A
C-D	3.49	3.49			3.49				
C-A	79.21	79.21			79.21				

13:00 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.38	9.38	540.82	0.017	9.38	0.0	0.0	6.773	A
B-AD	11.56	11.56	456.95	0.025	11.57	0.0	0.0	8.084	A
A-BCD	12.06	12.06	649.40	0.019	12.05	0.0	0.0	5.664	A
A-B	3.43	3.43			3.43				
A-C	80.16	80.16			80.16				
D-AB	9.32	9.32	573.96	0.016	9.32	0.0	0.0	6.375	A
D-BC	5.81	5.81	445.77	0.013	5.82	0.0	0.0	8.985	A
C-ABD	5.54	5.54	743.95	0.007	5.53	0.0	0.0	4.868	A
C-D	13.12	13.12			13.12				
C-A	76.65	76.65			76.65				

14:00 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.95	5.95	595.16	0.010	5.95	0.0	0.0	6.109	A
B-AD	9.60	9.60	453.77	0.021	9.61	0.0	0.0	8.104	A
A-BCD	15.12	15.12	658.78	0.023	15.12	0.0	0.0	5.576	A
A-B	10.44	10.44			10.44				
A-C	88.17	88.17			88.17				
D-AB	8.91	8.91	525.51	0.017	8.91	0.0	0.0	6.967	A
D-BC	12.45	12.45	435.68	0.029	12.44	0.0	0.0	8.505	A
C-ABD	2.66	2.66	739.35	0.004	2.67	0.0	0.0	4.887	A
C-D	6.96	6.96			6.96				
C-A	85.69	85.69			85.69				

15:00 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	10.07	10.07	565.22	0.018	10.07	0.0	0.0	6.484	A
B-AD	12.25	12.25	447.09	0.027	12.24	0.0	0.0	8.278	A
A-BCD	5.73	5.73	673.11	0.009	5.74	0.0	0.0	5.397	A
A-B	9.23	9.23			9.23				
A-C	115.06	115.06			115.06				
D-AB	5.41	5.41	476.75	0.011	5.42	0.0	0.0	7.639	A
D-BC	11.30	11.30	431.65	0.026	11.30	0.0	0.0	8.564	A
C-ABD	2.71	2.71	743.98	0.004	2.71	0.0	0.0	4.863	A
C-D	7.17	7.17			7.17				
C-A	97.08	97.08			97.08				

16:00 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	17.33	17.33	484.13	0.036	17.31	0.0	0.0	7.425	A
B-AD	13.77	13.77	352.13	0.039	13.76	0.0	0.0	9.634	A
A-BCD	13.79	13.79	700.98	0.020	13.77	0.0	0.0	5.238	A
A-B	14.10	14.10			14.10				
A-C	151.01	151.01			151.01				
D-AB	14.02	14.02	575.84	0.024	14.00	0.0	0.0	6.407	A
D-BC	11.59	11.59	421.56	0.027	11.59	0.0	0.0	8.780	A
C-ABD	0.00	0.00	662.16	0.000	0.00	0.0	0.0	0.000	A
C-D	13.22	13.22			13.22				
C-A	97.64	97.64			97.64				

17:00 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	18.78	18.78	535.38	0.035	18.78	0.0	0.0	7.341	A
B-AD	16.14	16.14	422.86	0.038	16.13	0.0	0.0	9.870	A
A-BCD	14.83	14.83	732.33	0.020	14.83	0.0	0.0	5.022	A
A-B	7.05	7.05			7.05				
A-C	203.57	203.57			203.57				
D-AB	15.26	15.26	541.54	0.028	15.26	0.0	0.0	6.839	A
D-BC	16.16	16.16	413.96	0.039	16.15	0.0	0.0	9.049	A
C-ABD	5.49	5.49	722.97	0.008	5.48	0.0	0.0	5.021	A
C-D	5.77	5.77			5.77				
C-A	103.21	103.21			103.21				

18:00 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	7.11	7.11	516.48	0.014	7.13	0.0	0.0	6.834	A
B-AD	5.90	5.90	418.19	0.014	5.93	0.0	0.0	8.392	A
A-BCD	12.16	12.16	707.25	0.017	12.17	0.0	0.0	5.185	A
A-B	6.86	6.86			6.86				
A-C	155.96	155.96			155.96				
D-AB	10.52	10.52	571.83	0.018	10.53	0.0	0.0	6.415	A
D-BC	11.59	11.59	431.25	0.027	11.60	0.0	0.0	8.578	A
C-ABD	1.31	1.31	718.76	0.002	1.32	0.0	0.0	5.027	A
C-D	4.86	4.86			4.86				
C-A	75.72	75.72			75.72				

Site 3 (R284/L3603 Junction) - +15, 12hrs

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 3	Crossroads	Two-way		1.65	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D4	+15	12hrs	DIRECT	07:00	19:00	720	60	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R284 (N)		DIRECT	✓	100.000
B - L3603 (E)		DIRECT	✓	100.000
C - R284 (S)		DIRECT	✓	100.000
D - L3603 (W)		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	2.48	21.89	2.48
	B - L3603 (E)	2.48	0.00	0.00	6.21
	C - R284 (S)	126.15	2.48	0.00	2.48
	D - L3603 (W)	6.21	7.45	1.24	0.00

Demand (Veh/TS)

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	1.24	74.45	12.42
	B - L3603 (E)	2.48	0.00	1.24	21.43
	C - R284 (S)	248.34	16.15	0.00	43.86
	D - L3603 (W)	2.48	5.36	4.97	0.00

Demand (Veh/TS)

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.73	59.93	8.69
	B - L3603 (E)	14.44	0.00	2.48	6.60
	C - R284 (S)	151.07	6.60	0.00	12.42
	D - L3603 (W)	6.21	11.57	7.45	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.69	62.80	5.36
	B - L3603 (E)	4.97	0.00	4.97	9.08
	C - R284 (S)	115.44	1.24	0.00	4.97
	D - L3603 (W)	6.21	3.73	6.99	0.00

Demand (Veh/TS)**11:00 - 12:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	10.32	84.38	3.73
	B - L3603 (E)	2.87	0.00	3.73	6.21
	C - R284 (S)	112.56	1.24	0.00	9.47
	D - L3603 (W)	6.21	8.69	7.45	0.00

Demand (Veh/TS)**12:00 - 13:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	9.94	83.92	6.21
	B - L3603 (E)	7.45	0.00	2.48	13.20
	C - R284 (S)	84.85	1.24	0.00	3.73
	D - L3603 (W)	2.48	8.23	6.60	0.00

Demand (Veh/TS)**13:00 - 14:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.73	87.33	11.18
	B - L3603 (E)	6.21	0.00	3.73	12.42
	C - R284 (S)	82.75	5.36	0.00	14.44
	D - L3603 (W)	8.69	2.48	4.97	0.00

Demand (Veh/TS)**14:00 - 15:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	11.57	96.81	13.66
	B - L3603 (E)	9.08	0.00	4.97	2.87
	C - R284 (S)	92.61	2.48	0.00	7.45
	D - L3603 (W)	4.97	9.08	9.08	0.00

Demand (Veh/TS)**15:00 - 16:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	9.94	124.52	4.97
	B - L3603 (E)	8.69	0.00	6.21	9.08
	C - R284 (S)	104.65	2.48	0.00	7.84
	D - L3603 (W)	1.24	9.08	7.84	0.00

Demand (Veh/TS)**16:00 - 17:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	15.68	164.73	11.18
	B - L3603 (E)	6.60	0.00	9.94	17.31
	C - R284 (S)	105.03	0.00	0.00	14.44
	D - L3603 (W)	12.42	4.97	9.94	0.00

Demand (Veh/TS)**17:00 - 18:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	7.84	222.26	11.18
	B - L3603 (E)	8.69	0.00	11.18	17.39
	C - R284 (S)	111.32	4.97	0.00	6.21
	D - L3603 (W)	11.18	9.94	12.42	0.00

Demand (Veh/TS)**18:00 - 19:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	7.45	169.70	9.94
	B - L3603 (E)	2.48	0.00	3.73	7.84
	C - R284 (S)	81.12	1.24	0.00	5.36
	D - L3603 (W)	8.69	4.97	9.94	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	22	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	9	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	5	0
	B - L3603 (E)	0	0	0	26
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	11	0
	B - L3603 (E)	20	0	0	25
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	14	0	0

Heavy Vehicle Percentages

10:00 - 11:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	13	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	4	0	0	0
	D - L3603 (W)	0	0	50	0

Heavy Vehicle Percentages

11:00 - 12:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	25	6	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	4	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

12:00 - 13:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	9	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	25	0

Heavy Vehicle Percentages

13:00 - 14:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	3	0	0	31
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

14:00 - 15:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	10	6	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	8	0	0	0
	D - L3603 (W)	0	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	5	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	6	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

16:00 - 17:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	18	2	0
	B - L3603 (E)	25	0	0	25
	C - R284 (S)	6	0	0	14
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

17:00 - 18:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	0
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	0	0	0

Heavy Vehicle Percentages

18:00 - 19:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	0	2	0
	B - L3603 (E)	0	0	0	10
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-CD	0.04	9.45	0.0	A	10.04	120.43
B-AD	0.05	10.08	0.1	B	11.69	140.33
A-BCD	0.02	6.22	0.0	A	10.35	124.20
A-B					7.60	91.16
A-C					102.58	1230.99
D-AB	0.03	7.71	0.0	A	10.05	120.59
D-BC	0.04	10.13	0.0	B	10.90	130.85
C-ABD	0.03	5.03	0.0	A	4.94	59.27
C-D					10.92	131.03
C-A					116.98	1403.77

Main Results for each time segment

07:00 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	3.12	3.12	499.12	0.006	3.12	0.0	0.0	7.257	A
B-AD	5.57	5.57	465.17	0.012	5.56	0.0	0.0	7.832	A
A-BCD	2.59	2.59	598.27	0.004	2.59	0.0	0.0	6.042	A
A-B	2.47	2.47			2.47				
A-C	21.80	21.80			21.80				
D-AB	9.95	9.95	542.35	0.018	9.93	0.0	0.0	6.760	A
D-BC	4.96	4.96	440.34	0.011	4.95	0.0	0.0	8.268	A
C-ABD	2.97	2.97	783.13	0.004	2.97	0.0	0.0	4.614	A
C-D	2.47	2.47			2.47				
C-A	125.67	125.67			125.67				

08:00 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	12.02	12.02	377.73	0.032	11.99	0.0	0.0	9.450	A
B-AD	13.13	13.13	352.69	0.037	13.11	0.0	0.0	10.035	B
A-BCD	14.24	14.24	593.17	0.024	14.21	0.0	0.0	6.219	A
A-B	1.21	1.21			1.21				
A-C	72.66	72.66			72.66				
D-AB	5.20	5.20	478.25	0.011	5.20	0.0	0.0	7.609	A
D-BC	7.61	7.61	394.83	0.019	7.60	0.0	0.0	9.296	A
C-ABD	24.32	24.32	869.67	0.028	24.29	0.0	0.0	4.262	A
C-D	42.63	42.63			42.63				
C-A	241.40	241.40			241.40				

09:00 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.91	5.91	425.53	0.014	5.93	0.0	0.0	9.020	A
B-AD	17.61	17.61	376.42	0.047	17.60	0.0	0.0	10.024	B
A-BCD	9.70	9.70	616.86	0.016	9.71	0.0	0.0	5.914	A
A-B	3.67	3.67			3.67				
A-C	58.99	58.99			58.99				
D-AB	12.10	12.10	474.02	0.026	12.08	0.0	0.0	7.637	A
D-BC	13.13	13.13	401.18	0.033	13.12	0.0	0.0	9.074	A
C-ABD	8.31	8.31	795.03	0.010	8.34	0.0	0.0	4.585	A
C-D	12.29	12.29			12.29				
C-A	149.49	149.49			149.49				

10:00 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.56	9.56	567.24	0.017	9.56	0.0	0.0	6.816	A
B-AD	9.46	9.46	455.82	0.021	9.48	0.0	0.0	9.196	A
A-BCD	6.04	6.04	632.78	0.010	6.05	0.0	0.0	5.734	A
A-B	8.61	8.61			8.61				
A-C	62.20	62.20			62.20				
D-AB	8.12	8.12	559.70	0.015	8.13	0.0	0.0	6.798	A
D-BC	8.80	8.80	312.00	0.028	8.81	0.0	0.0	10.133	B
C-ABD	1.48	1.48	766.79	0.002	1.48	0.0	0.0	4.697	A
C-D	4.96	4.96			4.96				
C-A	115.21	115.21			115.21				

11:00 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.85	6.85	567.80	0.012	6.86	0.0	0.0	6.419	A
B-AD	5.96	5.96	452.07	0.013	5.97	0.0	0.0	8.069	A
A-BCD	4.37	4.37	648.36	0.007	4.37	0.0	0.0	5.596	A
A-B	10.26	10.26			10.26				
A-C	83.82	83.82			83.82				
D-AB	10.63	10.63	532.19	0.020	10.63	0.0	0.0	6.901	A
D-BC	11.72	11.72	433.63	0.027	11.72	0.0	0.0	10.022	B
C-ABD	1.48	1.48	762.72	0.002	1.48	0.0	0.0	4.729	A
C-D	9.45	9.45			9.45				
C-A	112.35	112.35			112.35				

12:00 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.19	9.19	524.53	0.018	9.19	0.0	0.0	6.984	A
B-AD	13.94	13.94	456.25	0.031	13.92	0.0	0.0	8.138	A
A-BCD	7.25	7.25	655.82	0.011	7.24	0.0	0.0	5.549	A
A-B	9.83	9.83			9.83				
A-C	82.99	82.99			82.99				
D-AB	6.68	6.68	506.14	0.013	6.68	0.0	0.0	7.209	A
D-BC	10.63	10.63	380.17	0.028	10.64	0.0	0.0	9.041	A
C-ABD	1.41	1.41	742.36	0.002	1.41	0.0	0.0	4.867	A
C-D	3.72	3.72			3.72				
C-A	84.69	84.69			84.69				

13:00 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	10.02	10.02	537.86	0.019	10.02	0.0	0.0	6.819	A
B-AD	12.34	12.34	454.22	0.027	12.34	0.0	0.0	8.146	A
A-BCD	13.00	13.00	651.39	0.020	12.99	0.0	0.0	5.657	A
A-B	3.65	3.65			3.65				
A-C	85.59	85.59			85.59				
D-AB	9.95	9.95	571.97	0.017	9.95	0.0	0.0	6.404	A
D-BC	6.20	6.20	442.93	0.014	6.21	0.0	0.0	9.059	A
C-ABD	6.16	6.16	745.91	0.008	6.15	0.0	0.0	4.858	A
C-D	14.32	14.32			14.32				
C-A	82.07	82.07			82.07				

14:00 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.43	6.43	590.54	0.011	6.44	0.0	0.0	6.162	A
B-AD	10.49	10.49	450.31	0.023	10.49	0.0	0.0	8.185	A
A-BCD	16.34	16.34	661.55	0.025	16.34	0.0	0.0	5.560	A
A-B	11.28	11.28			11.28				
A-C	94.41	94.41			94.41				
D-AB	9.61	9.61	521.43	0.018	9.60	0.0	0.0	7.032	A
D-BC	13.53	13.53	432.42	0.031	13.51	0.0	0.0	8.593	A
C-ABD	2.87	2.87	740.76	0.004	2.88	0.0	0.0	4.875	A
C-D	7.42	7.42			7.42				
C-A	92.25	92.25			92.25				

15:00 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	10.84	10.84	560.70	0.019	10.83	0.0	0.0	6.546	A
B-AD	13.15	13.15	443.45	0.030	13.14	0.0	0.0	8.365	A
A-BCD	6.21	6.21	676.94	0.009	6.23	0.0	0.0	5.373	A
A-B	9.85	9.85			9.85				
A-C	123.37	123.37			123.37				
D-AB	5.87	5.87	472.68	0.012	5.87	0.0	0.0	7.711	A
D-BC	12.30	12.30	428.19	0.029	12.30	0.0	0.0	8.657	A
C-ABD	2.93	2.93	745.84	0.004	2.93	0.0	0.0	4.851	A
C-D	7.81	7.81			7.81				
C-A	104.24	104.24			104.24				

16:00 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	18.76	18.76	473.89	0.040	18.74	0.0	0.0	7.591	A
B-AD	15.09	15.09	345.98	0.044	15.08	0.0	0.0	9.826	A
A-BCD	15.01	15.01	706.69	0.021	15.00	0.0	0.0	5.205	A
A-B	15.35	15.35			15.35				
A-C	161.23	161.23			161.23				
D-AB	14.96	14.96	572.68	0.026	14.95	0.0	0.0	6.454	A
D-BC	12.36	12.36	417.26	0.030	12.36	0.0	0.0	8.890	A
C-ABD	0.00	0.00	657.64	0.000	0.00	0.0	0.0	0.000	A
C-D	14.44	14.44			14.44				
C-A	105.03	105.03			105.03				

17:00 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	20.06	20.06	529.98	0.038	20.05	0.0	0.0	7.477	A
B-AD	17.21	17.21	417.73	0.041	17.20	0.0	0.0	10.084	B
A-BCD	16.23	16.23	740.45	0.022	16.23	0.0	0.0	4.974	A
A-B	7.67	7.67			7.67				
A-C	217.38	217.38			217.38				
D-AB	16.30	16.30	537.82	0.030	16.29	0.0	0.0	6.902	A
D-BC	17.24	17.24	409.49	0.042	17.22	0.0	0.0	9.177	A
C-ABD	5.93	5.93	723.34	0.008	5.92	0.0	0.0	5.023	A
C-D	6.16	6.16			6.16				
C-A	110.41	110.41			110.41				

18:00 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	7.67	7.67	509.87	0.015	7.70	0.0	0.0	6.915	A
B-AD	6.38	6.38	413.00	0.015	6.41	0.0	0.0	8.484	A
A-BCD	13.23	13.23	713.44	0.019	13.23	0.0	0.0	5.146	A
A-B	7.31	7.31			7.31				
A-C	166.55	166.55			166.55				
D-AB	11.24	11.24	569.38	0.020	11.25	0.0	0.0	6.449	A
D-BC	12.36	12.36	428.02	0.029	12.38	0.0	0.0	8.663	A
C-ABD	1.41	1.41	718.90	0.002	1.42	0.0	0.0	5.028	A
C-D	5.35	5.35			5.35				
C-A	80.96	80.96			80.96				

Site 3 (R284/L3603 Junction) - Opening year+QT, 12hrs

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 3	Crossroads	Two-way		1.76	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically	Relationship type	Relationship
D6	Opening year+QT	12hrs	DIRECT	07:00	19:00	720	60	✓	Simple	D2+D5

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R284 (N)		DIRECT	✓	100.000
B - L3603 (E)		DIRECT	✓	100.000
C - R284 (S)		DIRECT	✓	100.000
D - L3603 (W)		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	2.43	18.57	2.16
	B - L3603 (E)	2.44	0.00	0.00	6.20
	C - R284 (S)	108.64	2.16	0.00	2.16
	D - L3603 (W)	5.41	6.81	1.08	0.00

Demand (Veh/TS)

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	1.66	64.10	10.82
	B - L3603 (E)	2.46	0.00	1.08	18.50
	C - R284 (S)	215.57	14.27	0.00	37.96
	D - L3603 (W)	2.16	4.99	4.33	0.00

Demand (Veh/TS)

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.46	51.21	7.57
	B - L3603 (E)	12.41	0.00	2.16	6.44
	C - R284 (S)	131.09	5.50	0.00	10.82
	D - L3603 (W)	5.41	10.09	6.49	0.00

10:00 - 11:00

Demand (Veh/TS)

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	7.71	53.46	4.42
	B - L3603 (E)	4.60	0.00	4.33	8.44
	C - R284 (S)	99.80	1.08	0.00	4.33
	D - L3603 (W)	5.41	3.41	5.59	0.00

Demand (Veh/TS)

11:00 - 12:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.89	72.76	3.25
	B - L3603 (E)	2.50	0.00	3.25	6.10
	C - R284 (S)	97.55	1.08	0.00	7.75
	D - L3603 (W)	5.41	7.75	6.49	0.00

Demand (Veh/TS)

12:00 - 13:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.76	71.85	5.41
	B - L3603 (E)	6.73	0.00	2.16	11.69
	C - R284 (S)	73.66	1.08	0.00	3.25
	D - L3603 (W)	2.16	6.80	5.50	0.00

Demand (Veh/TS)

13:00 - 14:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.42	75.82	9.74
	B - L3603 (E)	5.75	0.00	3.25	11.78
	C - R284 (S)	71.58	4.42	0.00	12.08
	D - L3603 (W)	7.57	2.38	4.33	0.00

Demand (Veh/TS)

14:00 - 15:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	10.02	83.57	11.90
	B - L3603 (E)	8.02	0.00	4.33	3.28
	C - R284 (S)	79.43	2.16	0.00	6.49
	D - L3603 (W)	4.33	7.90	7.66	0.00

Demand (Veh/TS)

15:00 - 16:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.81	107.47	4.33
	B - L3603 (E)	7.81	0.00	5.41	8.34
	C - R284 (S)	90.15	2.16	0.00	6.58
	D - L3603 (W)	1.08	7.85	6.58	0.00

Demand (Veh/TS)

16:00 - 17:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	13.28	142.99	9.74
	B - L3603 (E)	5.72	0.00	8.66	14.96
	C - R284 (S)	90.24	0.00	0.00	12.08
	D - L3603 (W)	10.82	4.47	8.66	0.00

Demand (Veh/TS)

17:00 - 18:00

		To			
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	6.62	192.85	9.74
	B - L3603 (E)	7.84	0.00	9.74	15.90
	C - R284 (S)	96.47	4.33	0.00	5.41
	D - L3603 (W)	9.74	8.71	10.82	0.00

18:00 - 19:00

Demand (Veh/TS)

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	6.58	147.32	8.66
	B - L3603 (E)	3.15	0.00	3.98	8.14
	C - R284 (S)	70.41	1.08	0.00	4.42
	D - L3603 (W)	7.57	4.43	8.66	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	16	20	0
	B - L3603 (E)	16	0	0	18
	C - R284 (S)	8	0	0	0
	D - L3603 (W)	0	7	0	0

Heavy Vehicle Percentages

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	31	4	0
	B - L3603 (E)	17	0	0	29
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	11	0	0

Heavy Vehicle Percentages

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	9	9	0
	B - L3603 (E)	22	0	0	42
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	16	0	0

Heavy Vehicle Percentages

10:00 - 11:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	3	11	0
	B - L3603 (E)	8	0	0	13
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	7	50	0

Heavy Vehicle Percentages

11:00 - 12:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	27	5	0
	B - L3603 (E)	14	0	0	16
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	3	0	0

Heavy Vehicle Percentages

12:00 - 13:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	2	8	0
	B - L3603 (E)	5	0	0	9
	C - R284 (S)	1	0	0	0
	D - L3603 (W)	0	3	25	0

Heavy Vehicle Percentages

13:00 - 14:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	7	2	0
	B - L3603 (E)	8	0	0	12
	C - R284 (S)	3	0	0	30
	D - L3603 (W)	0	13	0	0

14:00 - 15:00

Heavy Vehicle Percentages

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	11	5	0
	B - L3603 (E)	6	0	0	45
	C - R284 (S)	7	0	0	0
	D - L3603 (W)	0	4	0	0

Heavy Vehicle Percentages**15:00 - 16:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	3	4	0
	B - L3603 (E)	4	0	0	12
	C - R284 (S)	5	0	0	0
	D - L3603 (W)	0	3	0	0

Heavy Vehicle Percentages**16:00 - 17:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	18	2	0
	B - L3603 (E)	30	0	0	27
	C - R284 (S)	5	0	0	13
	D - L3603 (W)	0	5	0	0

Heavy Vehicle Percentages**17:00 - 18:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	1	2	0
	B - L3603 (E)	5	0	0	7
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	1	0	0

Heavy Vehicle Percentages**18:00 - 19:00**

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	2	2	0
	B - L3603 (E)	25	0	0	8
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-CD	0.03	9.67	0.0	A	9.09	109.07
B-AD	0.04	10.56	0.0	B	10.71	128.48
A-BCD	0.02	6.16	0.0	A	8.74	104.83
A-B					6.71	80.54
A-C					88.83	1065.94
D-AB	0.03	7.81	0.0	A	8.79	105.47
D-BC	0.04	10.00	0.0	A	9.45	113.37
C-ABD	0.02	5.02	0.0	A	4.12	49.46
C-D					9.34	112.12
C-A					101.31	1215.66

Main Results for each time segment

07:00 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	3.12	3.12	425.22	0.007	3.11	0.0	0.0	8.528	A
B-AD	5.52	5.52	399.53	0.014	5.51	0.0	0.0	9.136	A
A-BCD	2.24	2.24	601.20	0.004	2.24	0.0	0.0	6.009	A
A-B	2.42	2.42			2.42				
A-C	18.50	18.50			18.50				
D-AB	8.82	8.82	529.67	0.017	8.81	0.0	0.0	6.910	A
D-BC	4.48	4.48	423.75	0.011	4.47	0.0	0.0	8.586	A
C-ABD	2.52	2.52	774.68	0.003	2.52	0.0	0.0	4.661	A
C-D	2.16	2.16			2.16				
C-A	108.28	108.28			108.28				

08:00 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	10.40	10.40	377.26	0.028	10.37	0.0	0.0	9.673	A
B-AD	11.65	11.65	344.62	0.034	11.63	0.0	0.0	10.557	B
A-BCD	12.16	12.16	596.14	0.020	12.14	0.0	0.0	6.165	A
A-B	1.63	1.63			1.63				
A-C	62.79	62.79			62.79				
D-AB	4.68	4.68	456.34	0.010	4.69	0.0	0.0	7.815	A
D-BC	6.79	6.79	390.65	0.017	6.79	0.0	0.0	9.423	A
C-ABD	20.34	20.34	849.45	0.024	20.31	0.0	0.0	4.344	A
C-D	37.05	37.05			37.05				
C-A	210.40	210.40			210.40				

09:00 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.49	5.49	400.54	0.014	5.51	0.0	0.0	9.124	A
B-AD	15.53	15.53	365.24	0.043	15.52	0.0	0.0	10.315	B
A-BCD	8.31	8.31	616.73	0.013	8.32	0.0	0.0	5.908	A
A-B	3.41	3.41			3.41				
A-C	50.51	50.51			50.51				
D-AB	10.53	10.53	475.16	0.022	10.52	0.0	0.0	7.697	A
D-BC	11.46	11.46	403.81	0.028	11.45	0.0	0.0	9.069	A
C-ABD	6.72	6.72	785.19	0.009	6.74	0.0	0.0	4.631	A
C-D	10.73	10.73			10.73				
C-A	129.96	129.96			129.96				

10:00 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.59	8.59	529.44	0.016	8.59	0.0	0.0	7.401	A
B-AD	8.77	8.77	416.94	0.021	8.79	0.0	0.0	9.602	A
A-BCD	4.89	4.89	630.58	0.008	4.90	0.0	0.0	5.749	A
A-B	7.65	7.65			7.65				
A-C	53.04	53.04			53.04				
D-AB	7.15	7.15	556.69	0.013	7.16	0.0	0.0	6.795	A
D-BC	7.26	7.26	314.67	0.023	7.27	0.0	0.0	9.998	A
C-ABD	1.25	1.25	760.86	0.002	1.26	0.0	0.0	4.734	A
C-D	4.32	4.32			4.32				
C-A	99.64	99.64			99.64				

11:00 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.32	6.32	520.11	0.012	6.32	0.0	0.0	6.953	A
B-AD	5.53	5.53	397.39	0.014	5.54	0.0	0.0	8.962	A
A-BCD	3.72	3.72	644.16	0.006	3.72	0.0	0.0	5.624	A
A-B	8.83	8.83			8.83				
A-C	72.33	72.33			72.33				
D-AB	9.34	9.34	528.76	0.018	9.34	0.0	0.0	6.940	A
D-BC	10.31	10.31	434.17	0.024	10.30	0.0	0.0	9.873	A
C-ABD	1.26	1.26	756.82	0.002	1.26	0.0	0.0	4.766	A
C-D	7.74	7.74			7.74				
C-A	97.39	97.39			97.39				

12:00 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.10	8.10	496.39	0.016	8.09	0.0	0.0	7.423	A
B-AD	12.49	12.49	432.59	0.029	12.47	0.0	0.0	8.785	A
A-BCD	6.18	6.18	650.41	0.009	6.17	0.0	0.0	5.588	A
A-B	8.68	8.68			8.68				
A-C	71.17	71.17			71.17				
D-AB	5.62	5.62	503.98	0.011	5.62	0.0	0.0	7.211	A
D-BC	8.85	8.85	381.00	0.023	8.85	0.0	0.0	8.975	A
C-ABD	1.21	1.21	739.64	0.002	1.21	0.0	0.0	4.881	A
C-D	3.24	3.24			3.24				
C-A	73.54	73.54			73.54				

13:00 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.22	9.22	498.25	0.019	9.21	0.0	0.0	7.316	A
B-AD	11.56	11.56	417.44	0.028	11.56	0.0	0.0	8.726	A
A-BCD	11.10	11.10	647.26	0.017	11.09	0.0	0.0	5.671	A
A-B	3.36	3.36			3.36				
A-C	74.52	74.52			74.52				
D-AB	8.77	8.77	559.74	0.016	8.77	0.0	0.0	6.531	A
D-BC	5.50	5.50	441.82	0.012	5.51	0.0	0.0	8.942	A
C-ABD	4.98	4.98	741.88	0.007	4.97	0.0	0.0	4.878	A
C-D	12.00	12.00			12.00				
C-A	71.10	71.10			71.10				

14:00 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.00	6.00	520.95	0.012	6.01	0.0	0.0	6.806	A
B-AD	9.63	9.63	402.73	0.024	9.64	0.0	0.0	9.034	A
A-BCD	13.88	13.88	655.90	0.021	13.88	0.0	0.0	5.592	A
A-B	9.81	9.81			9.81				
A-C	81.80	81.80			81.80				
D-AB	8.35	8.35	515.64	0.016	8.34	0.0	0.0	7.084	A
D-BC	11.54	11.54	432.22	0.027	11.53	0.0	0.0	8.593	A
C-ABD	2.45	2.45	737.74	0.003	2.45	0.0	0.0	4.897	A
C-D	6.47	6.47			6.47				
C-A	79.16	79.16			79.16				

15:00 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.65	9.65	533.22	0.018	9.65	0.0	0.0	7.063	A
B-AD	11.90	11.90	421.65	0.028	11.90	0.0	0.0	9.012	A
A-BCD	5.24	5.24	669.12	0.008	5.26	0.0	0.0	5.425	A
A-B	8.74	8.74			8.74				
A-C	106.62	106.62			106.62				
D-AB	5.07	5.07	466.61	0.011	5.07	0.0	0.0	7.770	A
D-BC	10.45	10.45	429.35	0.024	10.45	0.0	0.0	8.602	A
C-ABD	2.49	2.49	741.97	0.003	2.49	0.0	0.0	4.874	A
C-D	6.56	6.56			6.56				
C-A	89.85	89.85			89.85				

16:00 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	16.26	16.26	477.91	0.034	16.25	0.0	0.0	7.595	A
B-AD	13.07	13.07	344.07	0.038	13.07	0.0	0.0	9.984	A
A-BCD	12.56	12.56	695.03	0.018	12.55	0.0	0.0	5.274	A
A-B	13.04	13.04			13.04				
A-C	140.40	140.40			140.40				
D-AB	13.10	13.10	571.80	0.023	13.09	0.0	0.0	6.477	A
D-BC	10.85	10.85	421.54	0.026	10.84	0.0	0.0	8.779	A
C-ABD	0.00	0.00	666.54	0.000	0.00	0.0	0.0	0.000	A
C-D	12.08	12.08			12.08				
C-A	90.24	90.24			90.24				

17:00 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	17.84	17.84	519.25	0.034	17.84	0.0	0.0	7.508	A
B-AD	15.64	15.64	404.44	0.039	15.63	0.0	0.0	10.184	B
A-BCD	13.45	13.45	723.94	0.019	13.45	0.0	0.0	5.070	A
A-B	6.50	6.50			6.50				
A-C	189.26	189.26			189.26				
D-AB	14.20	14.20	543.23	0.026	14.20	0.0	0.0	6.822	A
D-BC	15.06	15.06	417.20	0.036	15.05	0.0	0.0	8.979	A
C-ABD	5.04	5.04	722.52	0.007	5.03	0.0	0.0	5.021	A
C-D	5.37	5.37			5.37				
C-A	95.80	95.80			95.80				

18:00 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.08	8.08	524.55	0.015	8.10	0.0	0.0	6.936	A
B-AD	7.19	7.19	387.03	0.019	7.21	0.0	0.0	8.957	A
A-BCD	11.10	11.10	700.82	0.016	11.10	0.0	0.0	5.225	A
A-B	6.47	6.47			6.47				
A-C	144.98	144.98			144.98				
D-AB	9.83	9.83	567.75	0.017	9.84	0.0	0.0	6.431	A
D-BC	10.83	10.83	431.04	0.025	10.84	0.0	0.0	8.546	A
C-ABD	1.21	1.21	718.57	0.002	1.21	0.0	0.0	5.024	A
C-D	4.41	4.41			4.41				
C-A	70.29	70.29			70.29				

Site 3 (R284/L3603 Junction) - +5+QT, 12hrs

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 3	Crossroads	Two-way		1.78	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically	Relationship type	Relationship
D7	+5+QT	12hrs	DIRECT	07:00	19:00	720	60	✓	Simple	D3+D5

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R284 (N)		DIRECT	✓	100.000
B - L3603 (E)		DIRECT	✓	100.000
C - R284 (S)		DIRECT	✓	100.000
D - L3603 (W)		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	2.59	20.20	2.33
	B - L3603 (E)	2.61	0.00	0.00	6.61
	C - R284 (S)	117.43	2.33	0.00	2.33
	D - L3603 (W)	5.82	7.30	1.16	0.00

Demand (Veh/TS)

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	1.74	69.29	11.64
	B - L3603 (E)	2.62	0.00	1.16	20.29
	C - R284 (S)	232.22	15.33	0.00	40.94
	D - L3603 (W)	2.33	5.43	4.66	0.00

Demand (Veh/TS)

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.71	55.54	8.15
	B - L3603 (E)	13.55	0.00	2.33	6.97
	C - R284 (S)	141.24	6.03	0.00	11.64
	D - L3603 (W)	5.82	10.95	6.98	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	8.28	58.07	4.86
	B - L3603 (E)	4.93	0.00	4.66	9.13
	C - R284 (S)	107.70	1.16	0.00	4.66
	D - L3603 (W)	5.82	3.66	6.24	0.00

Demand (Veh/TS)**11:00 - 12:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	9.66	78.60	3.49
	B - L3603 (E)	2.78	0.00	3.49	6.51
	C - R284 (S)	105.16	1.16	0.00	8.56
	D - L3603 (W)	5.82	8.32	6.98	0.00

Demand (Veh/TS)**12:00 - 13:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	9.42	77.86	5.82
	B - L3603 (E)	7.23	0.00	2.33	12.75
	C - R284 (S)	79.35	1.16	0.00	3.49
	D - L3603 (W)	2.33	7.53	6.03	0.00

Demand (Veh/TS)**13:00 - 14:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	3.66	81.68	10.47
	B - L3603 (E)	6.16	0.00	3.49	12.60
	C - R284 (S)	77.23	4.86	0.00	13.22
	D - L3603 (W)	8.15	2.54	4.66	0.00

Demand (Veh/TS)**14:00 - 15:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	10.88	90.24	12.80
	B - L3603 (E)	8.72	0.00	4.66	3.56
	C - R284 (S)	86.00	2.33	0.00	6.98
	D - L3603 (W)	4.66	8.59	8.36	0.00

Demand (Veh/TS)**15:00 - 16:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	9.46	116.05	4.66
	B - L3603 (E)	8.38	0.00	5.82	9.03
	C - R284 (S)	97.43	2.33	0.00	7.19
	D - L3603 (W)	1.16	8.54	7.19	0.00

Demand (Veh/TS)**16:00 - 17:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	14.50	154.04	10.47
	B - L3603 (E)	6.25	0.00	9.31	16.39
	C - R284 (S)	97.64	0.00	0.00	13.22
	D - L3603 (W)	11.64	4.80	9.31	0.00

Demand (Veh/TS)**17:00 - 18:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	7.23	207.78	10.47
	B - L3603 (E)	8.41	0.00	10.47	17.05
	C - R284 (S)	104.00	4.66	0.00	5.82
	D - L3603 (W)	10.47	9.36	11.64	0.00

Demand (Veh/TS)**18:00 - 19:00**

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0.00	7.07	158.70	9.31
	B - L3603 (E)	3.32	0.00	4.22	8.75
	C - R284 (S)	75.86	1.16	0.00	4.86
	D - L3603 (W)	8.15	4.76	9.31	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	15	21	0
		B - L3603 (E)	15	0	0	17
		C - R284 (S)	8	0	0	0
		D - L3603 (W)	0	6	0	0

Heavy Vehicle Percentages

08:00 - 09:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	30	4	0
		B - L3603 (E)	16	0	0	29
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	10	0	0

Heavy Vehicle Percentages

09:00 - 10:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	8	10	0
		B - L3603 (E)	22	0	0	41
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	17	0	0

Heavy Vehicle Percentages

10:00 - 11:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	2	12	0
		B - L3603 (E)	8	0	0	12
		C - R284 (S)	3	0	0	0
		D - L3603 (W)	0	7	50	0

Heavy Vehicle Percentages

11:00 - 12:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	27	5	0
		B - L3603 (E)	13	0	0	15
		C - R284 (S)	3	0	0	0
		D - L3603 (W)	0	3	0	0

Heavy Vehicle Percentages

12:00 - 13:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	2	9	0
		B - L3603 (E)	5	0	0	8
		C - R284 (S)	2	0	0	0
		D - L3603 (W)	0	2	25	0

Heavy Vehicle Percentages

13:00 - 14:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	7	2	0
		B - L3603 (E)	8	0	0	11
		C - R284 (S)	3	0	0	31
		D - L3603 (W)	0	12	0	0

Heavy Vehicle Percentages

14:00 - 15:00		To				
	From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
		A - R284 (N)	0	12	5	0
		B - L3603 (E)	6	0	0	41
		C - R284 (S)	8	0	0	0
		D - L3603 (W)	0	4	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	2	4	0
	B - L3603 (E)	4	0	0	11
	C - R284 (S)	5	0	0	0
	D - L3603 (W)	0	3	0	0

Heavy Vehicle Percentages

16:00 - 17:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	19	2	0
	B - L3603 (E)	29	0	0	28
	C - R284 (S)	6	0	0	14
	D - L3603 (W)	0	4	0	0

Heavy Vehicle Percentages

17:00 - 18:00

From	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	1	2	0
	B - L3603 (E)	5	0	0	6
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	1	0	0

Heavy Vehicle Percentages

18:00 - 19:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	2	2	0
	B - L3603 (E)	23	0	0	8
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-CD	0.04	9.83	0.0	A	9.81	117.75
B-AD	0.05	10.70	0.1	B	11.57	138.78
A-BCD	0.02	6.19	0.0	A	9.55	114.56
A-B					7.24	86.92
A-C					95.77	1149.25
D-AB	0.03	7.90	0.0	A	9.48	113.76
D-BC	0.04	10.12	0.0	B	10.22	122.70
C-ABD	0.03	5.03	0.0	A	4.54	54.46
C-D					10.12	121.50
C-A					109.23	1310.73

Main Results for each time segment

07:00 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	3.33	3.33	427.39	0.008	3.32	0.0	0.0	8.488	A
B-AD	5.89	5.89	401.45	0.015	5.88	0.0	0.0	9.100	A
A-BCD	2.42	2.42	599.79	0.004	2.42	0.0	0.0	6.025	A
A-B	2.58	2.58			2.58				
A-C	20.12	20.12			20.12				
D-AB	9.48	9.48	528.16	0.018	9.46	0.0	0.0	6.939	A
D-BC	4.81	4.81	422.64	0.011	4.79	0.0	0.0	8.615	A
C-ABD	2.75	2.75	778.92	0.004	2.75	0.0	0.0	4.637	A
C-D	2.32	2.32			2.32				
C-A	117.01	117.01			117.01				

08:00 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	11.38	11.38	371.26	0.031	11.36	0.0	0.0	9.833	A
B-AD	12.70	12.70	340.24	0.037	12.67	0.0	0.0	10.697	B
A-BCD	13.22	13.22	594.70	0.022	13.19	0.0	0.0	6.191	A
A-B	1.70	1.70			1.70				
A-C	67.75	67.75			67.75				
D-AB	5.08	5.08	452.77	0.011	5.08	0.0	0.0	7.898	A
D-BC	7.34	7.34	386.32	0.019	7.33	0.0	0.0	9.542	A
C-ABD	22.47	22.47	859.63	0.026	22.44	0.0	0.0	4.303	A
C-D	39.87	39.87			39.87				
C-A	226.15	226.15			226.15				

09:00 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	5.94	5.94	398.42	0.015	5.96	0.0	0.0	9.244	A
B-AD	16.91	16.91	362.38	0.047	16.90	0.0	0.0	10.445	B
A-BCD	9.01	9.01	616.80	0.015	9.03	0.0	0.0	5.909	A
A-B	3.65	3.65			3.65				
A-C	54.72	54.72			54.72				
D-AB	11.38	11.38	470.66	0.024	11.37	0.0	0.0	7.773	A
D-BC	12.37	12.37	399.99	0.031	12.35	0.0	0.0	9.165	A
C-ABD	7.48	7.48	790.19	0.009	7.50	0.0	0.0	4.609	A
C-D	11.53	11.53			11.53				
C-A	139.90	139.90			139.90				

10:00 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.27	9.27	529.33	0.018	9.27	0.0	0.0	7.410	A
B-AD	9.44	9.44	417.26	0.023	9.46	0.0	0.0	9.668	A
A-BCD	5.44	5.44	631.70	0.009	5.44	0.0	0.0	5.743	A
A-B	8.21	8.21			8.21				
A-C	57.57	57.57			57.57				
D-AB	7.69	7.69	554.68	0.014	7.70	0.0	0.0	6.839	A
D-BC	8.03	8.03	312.01	0.026	8.04	0.0	0.0	10.124	B
C-ABD	1.37	1.37	763.90	0.002	1.37	0.0	0.0	4.715	A
C-D	4.65	4.65			4.65				
C-A	107.50	107.50			107.50				

11:00 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.77	6.77	520.60	0.013	6.78	0.0	0.0	6.954	A
B-AD	6.01	6.01	399.07	0.015	6.02	0.0	0.0	8.957	A
A-BCD	4.04	4.04	646.31	0.006	4.05	0.0	0.0	5.609	A
A-B	9.60	9.60			9.60				
A-C	78.11	78.11			78.11				
D-AB	10.05	10.05	526.42	0.019	10.04	0.0	0.0	6.980	A
D-BC	11.08	11.08	431.57	0.026	11.07	0.0	0.0	9.990	A
C-ABD	1.37	1.37	759.80	0.002	1.37	0.0	0.0	4.746	A
C-D	8.55	8.55			8.55				
C-A	104.97	104.97			104.97				

12:00 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.81	8.81	495.66	0.018	8.80	0.0	0.0	7.444	A
B-AD	13.50	13.50	432.08	0.031	13.48	0.0	0.0	8.801	A
A-BCD	6.72	6.72	653.13	0.010	6.71	0.0	0.0	5.568	A
A-B	9.32	9.32			9.32				
A-C	77.05	77.05			77.05				
D-AB	6.16	6.16	501.12	0.012	6.16	0.0	0.0	7.260	A
D-BC	9.73	9.73	379.22	0.026	9.73	0.0	0.0	9.047	A
C-ABD	1.31	1.31	741.07	0.002	1.31	0.0	0.0	4.873	A
C-D	3.49	3.49			3.49				
C-A	79.21	79.21			79.21				

13:00 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.88	9.88	498.19	0.020	9.88	0.0	0.0	7.326	A
B-AD	12.37	12.37	417.46	0.030	12.37	0.0	0.0	8.748	A
A-BCD	12.06	12.06	649.43	0.019	12.05	0.0	0.0	5.663	A
A-B	3.60	3.60			3.60				
A-C	80.16	80.16			80.16				
D-AB	9.43	9.43	558.84	0.017	9.42	0.0	0.0	6.549	A
D-BC	5.91	5.91	439.44	0.013	5.92	0.0	0.0	9.010	A
C-ABD	5.54	5.54	743.84	0.007	5.53	0.0	0.0	4.869	A
C-D	13.12	13.12			13.12				
C-A	76.65	76.65			76.65				

14:00 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.47	6.47	522.92	0.012	6.48	0.0	0.0	6.798	A
B-AD	10.46	10.46	403.46	0.026	10.46	0.0	0.0	9.052	A
A-BCD	15.13	15.13	658.82	0.023	15.12	0.0	0.0	5.576	A
A-B	10.63	10.63			10.63				
A-C	88.17	88.17			88.17				
D-AB	9.03	9.03	512.92	0.018	9.03	0.0	0.0	7.133	A
D-BC	12.57	12.57	429.59	0.029	12.55	0.0	0.0	8.666	A
C-ABD	2.66	2.66	739.23	0.004	2.67	0.0	0.0	4.887	A
C-D	6.96	6.96			6.96				
C-A	85.69	85.69			85.69				

15:00 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	10.42	10.42	531.59	0.020	10.41	0.0	0.0	7.083	A
B-AD	12.81	12.81	420.21	0.030	12.80	0.0	0.0	9.046	A
A-BCD	5.73	5.73	673.14	0.009	5.75	0.0	0.0	5.397	A
A-B	9.38	9.38			9.38				
A-C	115.06	115.06			115.06				
D-AB	5.51	5.51	463.87	0.012	5.51	0.0	0.0	7.827	A
D-BC	11.39	11.39	426.42	0.027	11.39	0.0	0.0	8.682	A
C-ABD	2.71	2.71	743.89	0.004	2.71	0.0	0.0	4.863	A
C-D	7.17	7.17			7.17				
C-A	97.08	97.08			97.08				

16:00 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	17.66	17.66	470.52	0.038	17.64	0.0	0.0	7.720	A
B-AD	14.29	14.29	339.91	0.042	14.28	0.0	0.0	10.122	B
A-BCD	13.79	13.79	701.01	0.020	13.78	0.0	0.0	5.238	A
A-B	14.22	14.22			14.22				
A-C	151.01	151.01			151.01				
D-AB	14.09	14.09	569.17	0.025	14.08	0.0	0.0	6.516	A
D-BC	11.66	11.66	417.62	0.028	11.66	0.0	0.0	8.880	A
C-ABD	0.00	0.00	662.10	0.000	0.00	0.0	0.0	0.000	A
C-D	13.22	13.22			13.22				
C-A	97.64	97.64			97.64				

17:00 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	19.18	19.18	515.26	0.037	19.17	0.0	0.0	7.618	A
B-AD	16.76	16.76	401.01	0.042	16.75	0.0	0.0	10.352	B
A-BCD	14.84	14.84	732.33	0.020	14.83	0.0	0.0	5.021	A
A-B	7.09	7.09			7.09				
A-C	203.57	203.57			203.57				
D-AB	15.29	15.29	539.60	0.028	15.28	0.0	0.0	6.882	A
D-BC	16.19	16.19	412.72	0.039	16.17	0.0	0.0	9.104	A
C-ABD	5.49	5.49	722.94	0.008	5.48	0.0	0.0	5.022	A
C-D	5.77	5.77			5.77				
C-A	103.21	103.21			103.21				

18:00 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	8.64	8.64	518.66	0.017	8.66	0.0	0.0	7.001	A
B-AD	7.65	7.65	384.84	0.020	7.68	0.0	0.0	9.013	A
A-BCD	12.17	12.17	707.27	0.017	12.17	0.0	0.0	5.185	A
A-B	6.95	6.95			6.95				
A-C	155.96	155.96			155.96				
D-AB	10.58	10.58	565.69	0.019	10.59	0.0	0.0	6.465	A
D-BC	11.64	11.64	427.98	0.027	11.65	0.0	0.0	8.625	A
C-ABD	1.31	1.31	718.71	0.002	1.32	0.0	0.0	5.025	A
C-D	4.86	4.86			4.86				
C-A	75.72	75.72			75.72				

Site 3 (R284/L3603 Junction) - +15+QT, 12hrs

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 3	Crossroads	Two-way		1.80	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically	Relationship type	Relationship
D8	+15+QT	12hrs	DIRECT	07:00	19:00	720	60	✓	Simple	D4+D5

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R284 (N)		DIRECT	✓	100.000
B - L3603 (E)		DIRECT	✓	100.000
C - R284 (S)		DIRECT	✓	100.000
D - L3603 (W)		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	2.75	21.89	2.48
	B - L3603 (E)	2.76	0.00	0.00	7.00
	C - R284 (S)	126.15	2.48	0.00	2.48
	D - L3603 (W)	6.21	7.77	1.24	0.00

Demand (Veh/TS)

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	1.82	74.45	12.42
	B - L3603 (E)	2.78	0.00	1.24	22.26
	C - R284 (S)	248.34	16.35	0.00	43.86
	D - L3603 (W)	2.48	5.93	4.97	0.00

Demand (Veh/TS)

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.94	59.93	8.69
	B - L3603 (E)	14.77	0.00	2.48	7.54
	C - R284 (S)	151.07	6.60	0.00	12.42
	D - L3603 (W)	6.21	11.83	7.45	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	8.83	62.80	5.36
	B - L3603 (E)	5.24	0.00	4.97	9.86
	C - R284 (S)	115.44	1.24	0.00	4.97
	D - L3603 (W)	6.21	3.89	6.99	0.00

Demand (Veh/TS)

11:00 - 12:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	10.47	84.38	3.73
	B - L3603 (E)	3.12	0.00	3.73	6.90
	C - R284 (S)	112.56	1.24	0.00	9.47
	D - L3603 (W)	6.21	8.87	7.45	0.00

Demand (Veh/TS)

12:00 - 13:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	10.04	83.92	6.21
	B - L3603 (E)	7.70	0.00	2.48	13.89
	C - R284 (S)	84.85	1.24	0.00	3.73
	D - L3603 (W)	2.48	8.36	6.60	0.00

Demand (Veh/TS)

13:00 - 14:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	3.90	87.33	11.18
	B - L3603 (E)	6.55	0.00	3.73	13.38
	C - R284 (S)	82.75	5.36	0.00	14.44
	D - L3603 (W)	8.69	2.70	4.97	0.00

Demand (Veh/TS)

14:00 - 15:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	11.76	96.81	13.66
	B - L3603 (E)	9.44	0.00	4.97	3.90
	C - R284 (S)	92.61	2.48	0.00	7.45
	D - L3603 (W)	4.97	9.32	9.08	0.00

Demand (Veh/TS)

15:00 - 16:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	10.09	124.52	4.97
	B - L3603 (E)	8.93	0.00	6.21	9.76
	C - R284 (S)	104.65	2.48	0.00	7.84
	D - L3603 (W)	1.24	9.27	7.84	0.00

Demand (Veh/TS)

16:00 - 17:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	15.80	164.73	11.18
	B - L3603 (E)	6.82	0.00	9.94	17.94
	C - R284 (S)	105.03	0.00	0.00	14.44
	D - L3603 (W)	12.42	5.11	9.94	0.00

Demand (Veh/TS)

17:00 - 18:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	7.88	222.26	11.18
	B - L3603 (E)	8.96	0.00	11.18	18.15
	C - R284 (S)	111.32	4.97	0.00	6.21
	D - L3603 (W)	11.18	9.99	12.42	0.00

Demand (Veh/TS)

18:00 - 19:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0.00	7.54	169.70	9.94
	B - L3603 (E)	3.47	0.00	4.46	9.40
	C - R284 (S)	81.12	1.24	0.00	5.36
	D - L3603 (W)	8.69	5.07	9.94	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	14	22	0
	B - L3603 (E)	14	0	0	16
	C - R284 (S)	9	0	0	0
	D - L3603 (W)	0	6	0	0

Heavy Vehicle Percentages

08:00 - 09:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	29	5	0
	B - L3603 (E)	15	0	0	30
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	9	0	0

Heavy Vehicle Percentages

09:00 - 10:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	8	11	0
	B - L3603 (E)	23	0	0	40
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	17	0	0

Heavy Vehicle Percentages

10:00 - 11:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	2	13	0
	B - L3603 (E)	7	0	0	11
	C - R284 (S)	4	0	0	0
	D - L3603 (W)	0	6	50	0

Heavy Vehicle Percentages

11:00 - 12:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	27	6	0
	B - L3603 (E)	11	0	0	14
	C - R284 (S)	4	0	0	0
	D - L3603 (W)	0	3	0	0

Heavy Vehicle Percentages

12:00 - 13:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	2	9	0
	B - L3603 (E)	5	0	0	7
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	2	25	0

Heavy Vehicle Percentages

13:00 - 14:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	6	2	0
	B - L3603 (E)	7	0	0	10
	C - R284 (S)	3	0	0	31
	D - L3603 (W)	0	11	0	0

Heavy Vehicle Percentages

14:00 - 15:00

	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
From	A - R284 (N)	0	12	6	0
	B - L3603 (E)	5	0	0	38
	C - R284 (S)	8	0	0	0
	D - L3603 (W)	0	4	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	2	5	0
	B - L3603 (E)	4	0	0	10
	C - R284 (S)	6	0	0	0
	D - L3603 (W)	0	3	0	0

Heavy Vehicle Percentages

16:00 - 17:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	19	2	0
	B - L3603 (E)	29	0	0	29
	C - R284 (S)	6	0	0	14
	D - L3603 (W)	0	4	0	0

Heavy Vehicle Percentages

17:00 - 18:00

From	To				
		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	1	2	0
	B - L3603 (E)	4	0	0	6
	C - R284 (S)	3	0	0	0
	D - L3603 (W)	0	1	0	0

Heavy Vehicle Percentages

18:00 - 19:00

	To				
From		A - R284 (N)	B - L3603 (E)	C - R284 (S)	D - L3603 (W)
	A - R284 (N)	0	2	2	0
	B - L3603 (E)	22	0	0	9
	C - R284 (S)	2	0	0	0
	D - L3603 (W)	0	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-CD	0.04	10.03	0.0	B	10.54	126.53
B-AD	0.05	10.87	0.1	B	12.45	149.38
A-BCD	0.02	6.22	0.0	A	10.35	124.24
A-B					7.78	93.33
A-C					102.58	1230.99
D-AB	0.03	7.99	0.0	A	10.16	121.89
D-BC	0.04	10.26	0.0	B	11.01	132.11
C-ABD	0.03	5.03	0.0	A	4.97	59.58
C-D					10.92	131.01
C-A					116.97	1403.67

Main Results for each time segment

07:00 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	3.53	3.53	428.90	0.008	3.52	0.0	0.0	8.462	A
B-AD	6.24	6.24	402.75	0.015	6.22	0.0	0.0	9.078	A
A-BCD	2.59	2.59	598.32	0.004	2.59	0.0	0.0	6.042	A
A-B	2.73	2.73			2.73				
A-C	21.80	21.80			21.80				
D-AB	10.11	10.11	526.38	0.019	10.09	0.0	0.0	6.972	A
D-BC	5.12	5.12	421.24	0.012	5.11	0.0	0.0	8.650	A
C-ABD	2.97	2.97	782.96	0.004	2.97	0.0	0.0	4.615	A
C-D	2.47	2.47			2.47				
C-A	125.67	125.67			125.67				

08:00 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	12.46	12.46	364.40	0.034	12.43	0.0	0.0	10.026	B
B-AD	13.83	13.83	335.13	0.041	13.80	0.0	0.0	10.868	B
A-BCD	14.25	14.25	593.35	0.024	14.23	0.0	0.0	6.217	A
A-B	1.78	1.78			1.78				
A-C	72.66	72.66			72.66				
D-AB	5.49	5.49	448.72	0.012	5.49	0.0	0.0	7.988	A
D-BC	7.89	7.89	381.90	0.021	7.89	0.0	0.0	9.668	A
C-ABD	24.63	24.63	869.42	0.028	24.59	0.0	0.0	4.264	A
C-D	42.62	42.62			42.62				
C-A	241.31	241.31			241.31				

09:00 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.41	6.41	395.47	0.016	6.43	0.0	0.0	9.396	A
B-AD	18.39	18.39	358.82	0.051	18.38	0.0	0.1	10.605	B
A-BCD	9.70	9.70	616.91	0.016	9.71	0.0	0.0	5.912	A
A-B	3.88	3.88			3.88				
A-C	58.99	58.99			58.99				
D-AB	12.23	12.23	465.61	0.026	12.22	0.0	0.0	7.859	A
D-BC	13.26	13.26	395.86	0.034	13.25	0.0	0.0	9.269	A
C-ABD	8.31	8.31	794.90	0.010	8.34	0.0	0.0	4.587	A
C-D	12.29	12.29			12.29				
C-A	149.49	149.49			149.49				

10:00 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.96	9.96	528.54	0.019	9.95	0.0	0.0	7.431	A
B-AD	10.11	10.11	417.10	0.024	10.13	0.1	0.0	9.756	A
A-BCD	6.04	6.04	632.81	0.010	6.05	0.0	0.0	5.737	A
A-B	8.75	8.75			8.75				
A-C	62.20	62.20			62.20				
D-AB	8.20	8.20	551.49	0.015	8.22	0.0	0.0	6.901	A
D-BC	8.89	8.89	309.20	0.029	8.89	0.0	0.0	10.264	B
C-ABD	1.48	1.48	766.70	0.002	1.48	0.0	0.0	4.697	A
C-D	4.96	4.96			4.96				
C-A	115.21	115.21			115.21				

11:00 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	7.20	7.20	520.54	0.014	7.21	0.0	0.0	6.964	A
B-AD	6.54	6.54	400.41	0.016	6.55	0.0	0.0	8.961	A
A-BCD	4.37	4.37	648.39	0.007	4.37	0.0	0.0	5.596	A
A-B	10.40	10.40			10.40				
A-C	83.82	83.82			83.82				
D-AB	10.72	10.72	523.98	0.020	10.72	0.0	0.0	7.022	A
D-BC	11.81	11.81	428.91	0.028	11.80	0.0	0.0	10.122	B
C-ABD	1.48	1.48	762.63	0.002	1.48	0.0	0.0	4.729	A
C-D	9.45	9.45			9.45				
C-A	112.35	112.35			112.35				

12:00 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.55	9.55	494.43	0.019	9.55	0.0	0.0	7.474	A
B-AD	14.52	14.52	431.25	0.034	14.50	0.0	0.0	8.824	A
A-BCD	7.25	7.25	655.84	0.011	7.25	0.0	0.0	5.549	A
A-B	9.93	9.93			9.93				
A-C	82.99	82.99			82.99				
D-AB	6.74	6.74	497.81	0.014	6.75	0.0	0.0	7.320	A
D-BC	10.70	10.70	377.45	0.028	10.70	0.0	0.0	9.128	A
C-ABD	1.41	1.41	742.29	0.002	1.41	0.0	0.0	4.867	A
C-D	3.72	3.72			3.72				
C-A	84.69	84.69			84.69				

13:00 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	10.52	10.52	497.71	0.021	10.52	0.0	0.0	7.342	A
B-AD	13.14	13.14	417.09	0.032	13.14	0.0	0.0	8.776	A
A-BCD	13.00	13.00	651.42	0.020	12.99	0.0	0.0	5.657	A
A-B	3.82	3.82			3.82				
A-C	85.59	85.59			85.59				
D-AB	10.06	10.06	557.76	0.018	10.05	0.0	0.0	6.568	A
D-BC	6.30	6.30	437.02	0.014	6.31	0.0	0.0	9.079	A
C-ABD	6.16	6.16	745.80	0.008	6.15	0.0	0.0	4.859	A
C-D	14.32	14.32			14.32				
C-A	82.07	82.07			82.07				

14:00 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	6.96	6.96	523.80	0.013	6.97	0.0	0.0	6.806	A
B-AD	11.35	11.35	403.81	0.028	11.35	0.0	0.0	9.080	A
A-BCD	16.35	16.35	661.59	0.025	16.34	0.0	0.0	5.559	A
A-B	11.47	11.47			11.47				
A-C	94.41	94.41			94.41				
D-AB	9.73	9.73	509.77	0.019	9.72	0.0	0.0	7.189	A
D-BC	13.64	13.64	426.82	0.032	13.63	0.0	0.0	8.745	A
C-ABD	2.87	2.87	740.64	0.004	2.88	0.0	0.0	4.878	A
C-D	7.42	7.42			7.42				
C-A	92.25	92.25			92.25				

15:00 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	11.19	11.19	529.40	0.021	11.18	0.0	0.0	7.112	A
B-AD	13.71	13.71	418.45	0.033	13.70	0.0	0.0	9.088	A
A-BCD	6.21	6.21	676.97	0.009	6.23	0.0	0.0	5.373	A
A-B	10.00	10.00			10.00				
A-C	123.37	123.37			123.37				
D-AB	5.96	5.96	460.83	0.013	5.97	0.0	0.0	7.888	A
D-BC	12.39	12.39	423.40	0.029	12.39	0.0	0.0	8.765	A
C-ABD	2.93	2.93	745.75	0.004	2.93	0.0	0.0	4.852	A
C-D	7.81	7.81			7.81				
C-A	104.24	104.24			104.24				

16:00 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	19.09	19.09	461.68	0.041	19.07	0.0	0.0	7.870	A
B-AD	15.61	15.61	335.12	0.047	15.60	0.0	0.0	10.284	B
A-BCD	15.02	15.02	706.72	0.021	15.00	0.0	0.0	5.205	A
A-B	15.46	15.46			15.46				
A-C	161.23	161.23			161.23				
D-AB	15.04	15.04	566.40	0.027	15.02	0.0	0.0	6.558	A
D-BC	12.43	12.43	413.59	0.030	12.43	0.0	0.0	8.984	A
C-ABD	0.00	0.00	657.59	0.000	0.00	0.0	0.0	0.000	A
C-D	14.44	14.44			14.44				
C-A	105.03	105.03			105.03				

17:00 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	20.46	20.46	511.13	0.040	20.45	0.0	0.0	7.742	A
B-AD	17.83	17.83	397.40	0.045	17.82	0.0	0.1	10.539	B
A-BCD	16.23	16.23	740.46	0.022	16.23	0.0	0.0	4.976	A
A-B	7.71	7.71			7.71				
A-C	217.38	217.38			217.38				
D-AB	16.33	16.33	536.00	0.030	16.32	0.0	0.0	6.942	A
D-BC	17.26	17.26	408.32	0.042	17.25	0.0	0.0	9.230	A
C-ABD	5.93	5.93	723.32	0.008	5.92	0.0	0.0	5.023	A
C-D	6.16	6.16			6.16				
C-A	110.41	110.41			110.41				

18:00 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	9.20	9.20	512.27	0.018	9.23	0.0	0.0	7.075	A
B-AD	8.13	8.13	382.25	0.021	8.16	0.1	0.0	9.077	A
A-BCD	13.23	13.23	713.46	0.019	13.23	0.0	0.0	5.148	A
A-B	7.40	7.40			7.40				
A-C	166.55	166.55			166.55				
D-AB	11.29	11.29	563.60	0.020	11.30	0.0	0.0	6.502	A
D-BC	12.41	12.41	424.94	0.029	12.43	0.0	0.0	8.706	A
C-ABD	1.41	1.41	718.85	0.002	1.42	0.0	0.0	5.029	A
C-D	5.35	5.35			5.35				
C-A	80.96	80.96			80.96				