

Appendix 14.C – JUNCTIONS 9 Outputs

Junctions 9	
PICADY 9 - Priority Intersection Module	
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Filename: Site 1.j9

Path: W:\2020\P20-114\junction9 modeling

Report generation date: 09/11/2020 13:21:43

- »Site 1 (R287/L3603 Junction) - Base year, 12hrs
- »Site 1 (R287/L3603 Junction) - Opening year, 12hrs
- »Site 1 (R287/L3603 Junction) - +5, 12hrs
- »Site 1 (R287/L3603 Junction) - +15, 12hrs
- »Site 1 (R287/L3603 Junction) - Opening year+QT, 12hrs
- »Site 1 (R287/L3603 Junction) - +5+QT, 12hrs
- »Site 1 (R287/L3603 Junction) - +15+QT, 12hrs

Summary of junction performance

	12hrs			
	Queue (Veh)	Delay (s)	RFC	LOS
Site 1 (R287/L3603 Junction) - Base year				
Stream B-CD	0.0	8.22	0.02	A
Stream B-AD	0.0	7.88	0.02	A
Stream A-BCD	0.0	5.09	0.04	A
Stream D-AB	0.1	7.38	0.06	A
Stream D-BC	0.0	9.21	0.02	A
Stream C-ABD	0.0	6.47	0.02	A
Site 1 (R287/L3603 Junction) - Opening year				
Stream B-CD	0.0	8.26	0.02	A
Stream B-AD	0.0	7.97	0.02	A
Stream A-BCD	0.1	5.09	0.04	A
Stream D-AB	0.1	7.40	0.06	A
Stream D-BC	0.0	9.30	0.02	A
Stream C-ABD	0.0	6.48	0.02	A
Site 1 (R287/L3603 Junction) - +5				
Stream B-CD	0.0	8.30	0.03	A
Stream B-AD	0.0	8.07	0.02	A
Stream A-BCD	0.1	5.10	0.04	A
Stream D-AB	0.1	7.42	0.06	A
Stream D-BC	0.0	9.38	0.02	A
Stream C-ABD	0.0	6.51	0.02	A
Site 1 (R287/L3603 Junction) - +15				
Stream B-CD	0.0	8.34	0.03	A
Stream B-AD	0.0	8.17	0.02	A
Stream A-BCD	0.1	5.11	0.05	A
Stream D-AB	0.1	7.45	0.07	A
Stream D-BC	0.0	9.47	0.02	A
Stream C-ABD	0.0	6.54	0.02	A
Site 1 (R287/L3603 Junction) - Opening year+QT				
Stream B-CD	0.0	8.68	0.03	A
Stream B-AD	0.0	9.89	0.04	A
Stream A-BCD	0.1	5.10	0.04	A
Stream D-AB	0.1	7.55	0.06	A
Stream D-BC	0.0	9.32	0.02	A
Stream C-ABD	0.0	10.00	0.03	B
Site 1 (R287/L3603 Junction) - +5+QT				
Stream B-CD	0.0	8.57	0.04	A
Stream B-AD	0.0	9.86	0.04	A
Stream A-BCD	0.1	5.11	0.04	A
Stream D-AB	0.1	7.57	0.06	A
Stream D-BC	0.0	9.41	0.02	A
Stream C-ABD	0.0	9.97	0.03	A
Site 1 (R287/L3603 Junction) - +15+QT				
Stream B-CD	0.0	8.50	0.04	A
Stream B-AD	0.0	9.84	0.04	A
Stream A-BCD	0.1	5.11	0.05	A
Stream D-AB	0.1	7.60	0.07	A
Stream D-BC	0.0	9.49	0.02	A
Stream C-ABD	0.0	9.94	0.04	A

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

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

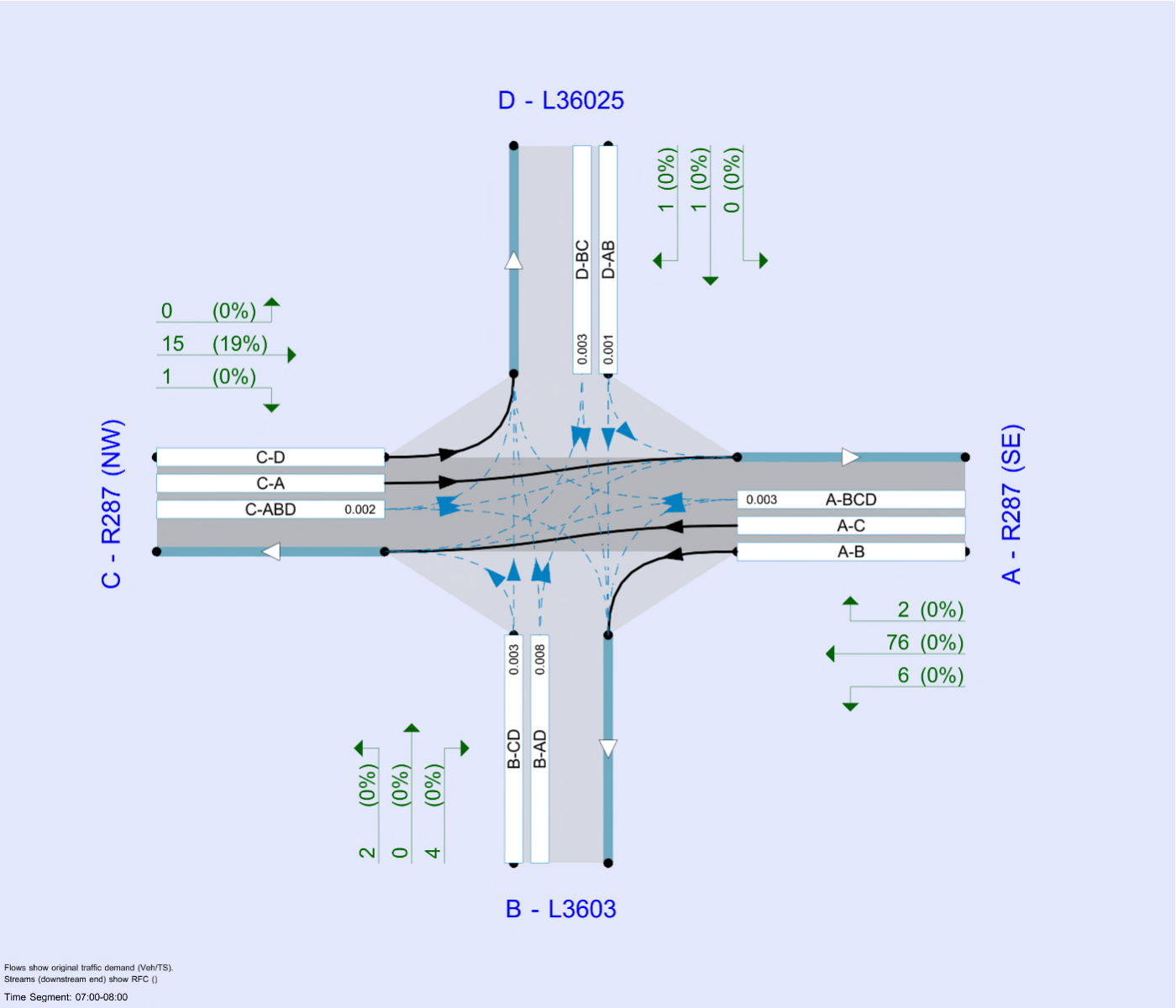
File summary

File Description

Title	P20-114
Location	Aghamore, Co. Sligo
Site number	1
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 1 (R287/L3603 Junction)	✓	100.000	100.000

Site 1 (R287/L3603 Junction) - Base year, 12hrs

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	D - L36025 - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 1	Crossroads	Two-way		1.66	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	R287 (SE)		Major
B	L3603		Minor
C	R287 (NW)		Major
D	L36025		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 - R287 (SE)	6.00			250.0	✓	0.00
C - R287 (NW)	6.00			125.0	✓	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	One lane plus flare	10.00	6.85	4.85	3.35	3.25	✓	1.00	5	5
D - L36025	One lane plus flare	7.00	3.80	3.25	3.15	2.25	✓	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	718.741	-	-	-	-	-	-	0.278	0.398	0.278	-	-	-
1	B-A	542.951	0.099	0.250	0.250	-	-	-	0.157	0.357	-	0.250	0.250	0.125
1	B-C	624.992	0.096	0.242	-	-	-	-	-	-	-	-	-	-
1	B-D, nearside lane	480.238	0.087	0.221	0.221	-	-	-	0.139	0.316	0.139	-	-	-
1	B-D, offside lane	542.951	0.099	0.250	0.250	-	-	-	0.157	0.357	0.157	-	-	-
1	C-B	646.352	0.250	0.250	0.358	-	-	-	-	-	-	-	-	-
1	D-A	658.475	-	-	-	-	-	-	0.255	-	0.101	-	-	-
1	D-B, nearside lane	505.966	0.147	0.147	0.333	-	-	-	0.233	0.233	0.092	-	-	-
1	D-B, offside lane	505.966	0.147	0.147	0.333	-	-	-	0.233	0.233	0.092	-	-	-
1	D-C	505.966	-	0.147	0.333	0.116	0.233	0.233	0.233	0.233	0.092	-	-	-

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 - R287 (SE)		DIRECT	✓	100.000
B - L3603		DIRECT	✓	100.000
C - R287 (NW)		DIRECT	✓	100.000
D - L36025		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)						
07:00 - 08:00	From	To				
			A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	6.00	76.00	2.00
		B - L3603	4.00	0.00	2.00	0.00
		C - R287 (NW)	15.00	1.00	0.00	0.00
		D - L36025	0.00	1.00	1.00	0.00

Demand (Veh/TS)						
08:00 - 09:00	From	To				
			A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	6.00	129.00	23.00
		B - L3603	2.00	0.00	7.00	10.00
		C - R287 (NW)	43.00	6.00	0.00	0.00
		D - L36025	3.00	0.00	4.00	0.00

Demand (Veh/TS)						
09:00 - 10:00	From	To				
			A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	3.00	98.00	17.00
		B - L3603	8.00	0.00	3.00	3.00
		C - R287 (NW)	50.00	5.00	0.00	2.00
		D - L36025	6.00	2.00	3.00	0.00

Demand (Veh/TS)						
10:00 - 11:00	From	To				
			A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	7.00	57.00	6.00
		B - L3603	4.00	0.00	2.00	1.00
		C - R287 (NW)	48.00	2.00	0.00	3.00
		D - L36025	6.00	4.00	7.00	0.00

Demand (Veh/TS)						
11:00 - 12:00	From	To				
			A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	2.00	38.00	6.00
		B - L3603	4.00	0.00	3.00	4.00
		C - R287 (NW)	56.00	7.00	0.00	2.00
		D - L36025	7.00	2.00	1.00	0.00

Demand (Veh/TS)						
12:00 - 13:00	From	To				
			A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	4.00	51.00	5.00
		B - L3603	7.00	0.00	1.00	1.00
		C - R287 (NW)	56.00	4.00	0.00	2.00
		D - L36025	15.00	1.00	1.00	0.00

13:00 - 14:00

Demand (Veh/TS)

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	4.00	54.00	8.00
	B - L3603	1.00	0.00	5.00	2.00
	C - R287 (NW)	57.00	8.00	0.00	5.00
	D - L36025	14.00	5.00	4.00	0.00

Demand (Veh/TS)

14:00 - 15:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	3.00	56.00	3.00
	B - L3603	3.00	0.00	5.00	3.00
	C - R287 (NW)	55.00	3.00	0.00	2.00
	D - L36025	8.00	4.00	7.00	0.00

Demand (Veh/TS)

15:00 - 16:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	7.00	63.00	6.00
	B - L3603	3.00	0.00	4.00	3.00
	C - R287 (NW)	78.00	2.00	0.00	3.00
	D - L36025	14.00	3.00	3.00	0.00

Demand (Veh/TS)

16:00 - 17:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	8.00	54.00	8.00
	B - L3603	2.00	0.00	0.00	1.00
	C - R287 (NW)	98.00	1.00	0.00	1.00
	D - L36025	15.00	11.00	1.00	0.00

Demand (Veh/TS)

17:00 - 18:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	3.00	56.00	10.00
	B - L3603	4.00	0.00	6.00	1.00
	C - R287 (NW)	121.00	1.00	0.00	4.00
	D - L36025	29.00	8.00	3.00	0.00

Demand (Veh/TS)

18:00 - 19:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	1.00	46.00	5.00
	B - L3603	4.00	0.00	0.00	1.00
	C - R287 (NW)	99.00	2.00	0.00	4.00
	D - L36025	23.00	4.00	4.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	0	0
	B - L3603	0	0	0	0
	C - R287 (NW)	19	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

08:00 - 09:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	1	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

09:00 - 10:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	1	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

10:00 - 11:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	5	0	0	0
	D - L36025	0	0	0	0

11:00 - 12:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	3	0
	B - L3603	0	0	0	0
	C - R287 (NW)	5	0	0	0
	D - L36025	0	0	0	0

12:00 - 13:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	3	0
	B - L3603	0	0	0	0
	C - R287 (NW)	4	29	0	0
	D - L36025	0	0	0	0

13:00 - 14:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	2	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

14:00 - 15:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	3	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	8	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	17	5	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

16:00 - 17:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	0	0	0	0
	D - L36025	0	0	0	0

17:00 - 18:00

Heavy Vehicle Percentages

18:00 - 19:00

From	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	0	0	0
	B - L3603	0	0	0	0
	C - R287 (NW)	1	0	0	0
	D - L36025	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	0.02	8.22	0.0	A	4.43	53.11
B-AD	0.02	7.88	0.0	A	5.07	60.89
A-BCD	0.04	5.09	0.0	A	9.29	111.51
A-B					4.44	53.31
A-C					63.85	766.18
D-AB	0.06	7.38	0.1	A	13.56	162.67
D-BC	0.02	9.21	0.0	A	5.11	61.33
C-ABD	0.02	6.47	0.0	A	3.87	46.45
C-D					2.32	27.81
C-A					64.31	771.74

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	2.00	2.00	604.85	0.003	2.00	0.0	0.0	5.971	A
B-AD	4.00	4.00	519.33	0.008	3.99	0.0	0.0	6.984	A
A-BCD	2.24	2.24	762.88	0.003	2.24	0.0	0.0	4.732	A
A-B	5.98	5.98			5.98				
A-C	75.78	75.78			75.78				
D-AB	0.50	0.50	488.53	0.001	0.50	0.0	0.0	7.375	A
D-BC	1.50	1.50	488.87	0.003	1.50	0.0	0.0	7.385	A
C-ABD	1.02	1.02	633.91	0.002	1.02	0.0	0.0	5.687	A
C-D	0.00	0.00			0.00				
C-A	14.98	14.98			14.98				

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	548.21	0.022	12.00	0.0	0.0	6.713	A
B-AD	6.98	6.98	466.13	0.015	6.97	0.0	0.0	7.840	A
A-BCD	27.77	27.77	785.93	0.035	27.73	0.0	0.0	4.747	A
A-B	5.79	5.79			5.79				
A-C	124.44	124.44			124.44				
D-AB	3.00	3.00	615.01	0.005	3.00	0.0	0.0	5.881	A
D-BC	4.00	4.00	454.17	0.009	3.99	0.0	0.0	7.996	A
C-ABD	6.44	6.44	632.34	0.010	6.43	0.0	0.0	5.753	A
C-D	0.00	0.00			0.00				
C-A	42.56	42.56			42.56				

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	4.52	4.52	555.02	0.008	4.54	0.0	0.0	6.539	A
B-AD	9.48	9.48	484.95	0.020	9.47	0.0	0.0	7.570	A
A-BCD	19.60	19.60	763.10	0.026	19.61	0.0	0.0	4.841	A
A-B	2.92	2.92			2.92				
A-C	95.48	95.48			95.48				
D-AB	7.01	7.01	597.16	0.012	7.00	0.0	0.0	6.099	A
D-BC	3.99	3.99	456.39	0.009	3.99	0.0	0.0	7.958	A
C-ABD	5.44	5.44	648.47	0.008	5.44	0.0	0.0	5.595	A
C-D	1.98	1.98			1.98				
C-A	49.58	49.58			49.58				

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	2.50	2.50	591.46	0.004	2.51	0.0	0.0	6.111	A
B-AD	4.50	4.50	497.53	0.009	4.51	0.0	0.0	7.301	A
A-BCD	6.57	6.57	741.62	0.009	6.59	0.0	0.0	4.893	A
A-B	6.94	6.94			6.94				
A-C	56.49	56.49			56.49				
D-AB	8.03	8.03	591.96	0.014	8.03	0.0	0.0	6.164	A
D-BC	8.97	8.97	482.01	0.019	8.96	0.0	0.0	7.609	A
C-ABD	2.17	2.17	660.51	0.003	2.17	0.0	0.0	5.470	A
C-D	2.99	2.99			2.99				
C-A	47.84	47.84			47.84				

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	5.02	5.02	574.98	0.009	5.01	0.0	0.0	6.315	A
B-AD	5.98	5.98	488.01	0.012	5.98	0.0	0.0	7.467	A
A-BCD	6.35	6.35	722.87	0.009	6.35	0.0	0.0	5.026	A
A-B	1.98	1.98			1.98				
A-C	37.67	37.67			37.67				
D-AB	8.00	8.00	614.78	0.013	8.00	0.0	0.0	5.932	A
D-BC	2.00	2.00	417.57	0.005	2.01	0.0	0.0	8.662	A
C-ABD	7.66	7.66	670.35	0.011	7.65	0.0	0.0	5.428	A
C-D	1.98	1.98			1.98				
C-A	55.36	55.36			55.36				

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	1.51	1.51	529.69	0.003	1.51	0.0	0.0	6.817	A
B-AD	7.49	7.49	504.86	0.015	7.49	0.0	0.0	7.237	A
A-BCD	5.41	5.41	733.31	0.007	5.41	0.0	0.0	4.946	A
A-B	3.97	3.97			3.97				
A-C	50.62	50.62			50.62				
D-AB	15.50	15.50	635.13	0.024	15.49	0.0	0.0	5.809	A
D-BC	1.50	1.50	412.00	0.004	1.50	0.0	0.0	8.769	A
C-ABD	4.38	4.38	667.15	0.007	4.39	0.0	0.0	5.433	A
C-D	1.99	1.99			1.99				
C-A	55.63	55.63			55.63				

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	6.00	6.00	642.60	0.009	6.00	0.0	0.0	5.654	A
B-AD	2.00	2.00	459.15	0.004	2.01	0.0	0.0	7.874	A
A-BCD	8.69	8.69	731.59	0.012	8.68	0.0	0.0	4.977	A
A-B	3.95	3.95			3.95				
A-C	53.36	53.36			53.36				
D-AB	16.52	16.52	599.35	0.028	16.52	0.0	0.0	6.176	A
D-BC	6.48	6.48	442.45	0.015	6.47	0.0	0.0	8.257	A
C-ABD	9.06	9.06	531.33	0.017	9.05	0.0	0.0	6.427	A
C-D	4.91	4.91			4.91				
C-A	56.03	56.03			56.03				

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	6.51	6.51	602.50	0.011	6.51	0.0	0.0	6.039	A
B-AD	4.49	4.49	485.28	0.009	4.49	0.0	0.0	7.486	A
A-BCD	3.26	3.26	736.93	0.004	3.27	0.0	0.0	4.912	A
A-B	2.99	2.99			2.99				
A-C	55.75	55.75			55.75				
D-AB	10.03	10.03	600.22	0.017	10.04	0.0	0.0	6.101	A
D-BC	8.97	8.97	480.80	0.019	8.97	0.0	0.0	7.628	A
C-ABD	3.28	3.28	665.90	0.005	3.29	0.0	0.0	6.466	A
C-D	1.99	1.99			1.99				
C-A	54.73	54.73			54.73				

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	5.51	5.51	590.72	0.009	5.51	0.0	0.0	6.153	A
B-AD	4.49	4.49	478.51	0.009	4.49	0.0	0.0	7.593	A
A-BCD	6.63	6.63	737.15	0.009	6.62	0.0	0.0	4.926	A
A-B	6.94	6.94			6.94				
A-C	62.43	62.43			62.43				
D-AB	15.51	15.51	573.02	0.027	15.50	0.0	0.0	6.274	A
D-BC	4.49	4.49	405.72	0.011	4.50	0.0	0.0	8.972	A
C-ABD	2.27	2.27	678.36	0.003	2.27	0.0	0.0	5.322	A
C-D	2.99	2.99			2.99				
C-A	77.74	77.74			77.74				

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	0.50	0.50	452.11	0.001	0.51	0.0	0.0	7.973	A
B-AD	2.50	2.50	504.02	0.005	2.50	0.0	0.0	7.180	A
A-BCD	8.75	8.75	726.83	0.012	8.74	0.0	0.0	5.005	A
A-B	7.90	7.90			7.90				
A-C	53.35	53.35			53.35				
D-AB	20.51	20.51	564.06	0.036	20.50	0.0	0.0	6.844	A
D-BC	6.49	6.49	452.61	0.014	6.48	0.0	0.0	8.069	A
C-ABD	1.17	1.17	690.71	0.002	1.17	0.0	0.0	5.220	A
C-D	1.00	1.00			1.00				
C-A	97.83	97.83			97.83				

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	6.50	6.50	641.48	0.010	6.50	0.0	0.0	5.668	A
B-AD	4.50	4.50	461.06	0.010	4.49	0.0	0.0	7.884	A
A-BCD	10.89	10.89	719.33	0.015	10.89	0.0	0.0	5.087	A
A-B	2.95	2.95			2.95				
A-C	55.15	55.15			55.15				
D-AB	33.03	33.03	598.32	0.055	33.01	0.0	0.1	6.367	A
D-BC	6.97	6.97	397.74	0.018	6.97	0.0	0.0	9.212	A
C-ABD	1.21	1.21	708.90	0.002	1.21	0.0	0.0	5.094	A
C-D	3.99	3.99			3.99				
C-A	120.79	120.79			120.79				

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	0.50	0.50	438.56	0.001	0.51	0.0	0.0	8.218	A
B-AD	4.50	4.50	499.34	0.009	4.50	0.0	0.0	7.274	A
A-BCD	5.35	5.35	717.95	0.007	5.36	0.0	0.0	5.063	A
A-B	0.99	0.99			0.99				
A-C	45.66	45.66			45.66				
D-AB	25.02	25.02	612.91	0.041	25.04	0.1	0.0	6.123	A
D-BC	5.98	5.98	405.23	0.015	5.98	0.0	0.0	9.018	A
C-ABD	2.35	2.35	699.18	0.003	2.34	0.0	0.0	5.162	A
C-D	3.99	3.99			3.99				
C-A	98.67	98.67			98.67				

Site 1 (R287/L3603 Junction) - Opening year, 12hrs

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	D - L36025 - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 1	Crossroads	Two-way		1.67	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 - R287 (SE)		DIRECT	✓	100.000
B - L3603		DIRECT	✓	100.000
C - R287 (NW)		DIRECT	✓	100.000
D - L36025		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00	From	To			
			A - R287 (SE)	B - L3603	C - R287 (NW)
		A - R287 (SE)	0.00	6.58	82.22
		B - L3603	4.33	0.00	2.25
		C - R287 (NW)	16.41	1.08	0.00
		D - L36025	0.00	1.08	1.08

Demand (Veh/TS)

08:00 - 09:00	From	To			
			A - R287 (SE)	B - L3603	C - R287 (NW)
		A - R287 (SE)	0.00	6.49	139.65
		B - L3603	2.16	0.00	7.66
		C - R287 (NW)	46.61	6.76	0.00
		D - L36025	3.25	0.00	4.33

09:00 - 10:00

Demand (Veh/TS)

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.34	106.12	18.39
	B - L3603	8.66	0.00	3.34	3.25
	C - R287 (NW)	54.18	5.50	0.00	2.16
	D - L36025	6.49	2.16	3.25	0.00

Demand (Veh/TS)**10:00 - 11:00**

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	7.57	61.85	6.49
	B - L3603	4.33	0.00	2.16	1.08
	C - R287 (NW)	52.02	2.25	0.00	3.25
	D - L36025	6.49	4.33	7.57	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	2.16	41.29	6.49
	B - L3603	4.33	0.00	3.34	4.33
	C - R287 (NW)	60.85	7.75	0.00	2.16
	D - L36025	7.57	2.16	1.08	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	4.33	55.27	5.41
	B - L3603	7.75	0.00	1.08	1.08
	C - R287 (NW)	60.85	4.42	0.00	2.16
	D - L36025	16.23	1.08	1.08	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	4.33	58.60	8.66
	B - L3603	1.08	0.00	5.59	2.16
	C - R287 (NW)	61.85	8.92	0.00	5.41
	D - L36025	15.24	5.41	4.33	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.25	60.68	3.25
	B - L3603	3.25	0.00	5.59	3.25
	C - R287 (NW)	59.59	3.25	0.00	2.16
	D - L36025	8.66	4.33	7.57	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	7.66	68.34	6.49
	B - L3603	3.25	0.00	4.42	3.25
	C - R287 (NW)	84.57	2.25	0.00	3.25
	D - L36025	15.24	3.25	3.25	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	8.83	58.69	8.66
	B - L3603	2.16	0.00	0.00	1.08
	C - R287 (NW)	106.20	1.17	0.00	1.08
	D - L36025	16.23	11.90	1.08	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.25	60.77	10.82
	B - L3603	4.33	0.00	6.67	1.08
	C - R287 (NW)	130.91	1.08	0.00	4.33
	D - L36025	31.38	8.66	3.25	0.00

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

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	1.08	49.77	5.41
	B - L3603	4.33	0.00	0.00	1.08
	C - R287 (NW)	107.20	2.16	0.00	4.33
	D - L36025	24.88	4.33	4.33	0.00

Vehicle Mix**Heavy Vehicle Percentages****07:00 - 08:00**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	0	0
	B - L3603	0	0	0	0
	C - R287 (NW)	20	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages**08:00 - 09:00**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	1	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages**09:00 - 10:00**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	1	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages**10:00 - 11:00**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages**11:00 - 12:00**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	6	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages**12:00 - 13:00**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	3	0
	B - L3603	0	0	0	0
	C - R287 (NW)	5	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages**13:00 - 14:00**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	4	30	0	0
	D - L36025	0	0	0	0

14:00 - 15:00**Heavy Vehicle Percentages**

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	2	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	3	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	9	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	18	5	0
	B - L3603	0	0	0	0
	C - R287 (NW)	2	0	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	0	0	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	0	0	0
	B - L3603	0	0	0	0
	C - R287 (NW)	1	0	0	0
	D - L36025	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	0.02	8.26	0.0	A	4.87	58.45
B-AD	0.02	7.97	0.0	A	5.50	66.05
A-BCD	0.04	5.09	0.1	A	10.16	121.89
A-B					4.84	58.05
A-C					69.11	829.27
D-AB	0.06	7.40	0.1	A	14.68	176.18
D-BC	0.02	9.30	0.0	A	5.53	66.34
C-ABD	0.02	6.48	0.0	A	4.33	52.00
C-D					2.51	30.06
C-A					69.67	836.08

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	2.25	2.25	605.32	0.004	2.25	0.0	0.0	5.968	A
B-AD	4.33	4.33	515.71	0.008	4.32	0.0	0.0	7.038	A
A-BCD	2.45	2.45	766.48	0.003	2.44	0.0	0.0	4.711	A
A-B	6.56	6.56			6.56				
A-C	81.96	81.96			81.96				
D-AB	0.54	0.54	487.00	0.001	0.54	0.0	0.0	7.399	A
D-BC	1.62	1.62	487.37	0.003	1.62	0.0	0.0	7.410	A
C-ABD	1.11	1.11	632.95	0.002	1.11	0.0	0.0	5.697	A
C-D	0.00	0.00			0.00				
C-A	16.38	16.38			16.38				

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	13.10	13.10	545.01	0.024	13.08	0.0	0.0	6.767	A
B-AD	7.55	7.55	462.25	0.016	7.54	0.0	0.0	7.916	A
A-BCD	30.52	30.52	791.41	0.039	30.47	0.0	0.1	4.730	A
A-B	6.24	6.24			6.24				
A-C	134.27	134.27			134.27				
D-AB	3.25	3.25	613.98	0.005	3.24	0.0	0.0	5.893	A
D-BC	4.33	4.33	450.62	0.010	4.32	0.0	0.0	8.066	A
C-ABD	7.30	7.30	631.28	0.012	7.29	0.0	0.0	5.771	A
C-D	0.00	0.00			0.00				
C-A	46.07	46.07			46.07				

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	4.99	4.99	553.84	0.009	5.00	0.0	0.0	6.558	A
B-AD	10.25	10.25	480.99	0.021	10.24	0.0	0.0	7.646	A
A-BCD	21.46	21.46	766.81	0.028	21.48	0.1	0.0	4.829	A
A-B	3.24	3.24			3.24				
A-C	103.14	103.14			103.14				
D-AB	7.58	7.58	595.49	0.013	7.57	0.0	0.0	6.122	A
D-BC	4.32	4.32	453.47	0.010	4.32	0.0	0.0	8.014	A
C-ABD	6.02	6.02	648.68	0.009	6.03	0.0	0.0	5.598	A
C-D	2.14	2.14			2.14				
C-A	53.68	53.68			53.68				

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	2.71	2.71	589.72	0.005	2.71	0.0	0.0	6.134	A
B-AD	4.86	4.86	495.13	0.010	4.88	0.0	0.0	7.345	A
A-BCD	7.16	7.16	743.49	0.010	7.19	0.0	0.0	4.883	A
A-B	7.50	7.50			7.50				
A-C	61.25	61.25			61.25				
D-AB	8.69	8.69	590.20	0.015	8.69	0.0	0.0	6.190	A
D-BC	9.70	9.70	479.93	0.020	9.69	0.0	0.0	7.654	A
C-ABD	2.46	2.46	661.66	0.004	2.47	0.0	0.0	5.466	A
C-D	3.23	3.23			3.23				
C-A	51.83	51.83			51.83				

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	5.52	5.52	574.36	0.010	5.51	0.0	0.0	6.327	A
B-AD	6.47	6.47	485.87	0.013	6.47	0.0	0.0	7.508	A
A-BCD	6.91	6.91	723.11	0.010	6.91	0.0	0.0	5.030	A
A-B	2.14	2.14			2.14				
A-C	40.90	40.90			40.90				
D-AB	8.66	8.66	613.16	0.014	8.66	0.0	0.0	5.954	A
D-BC	2.16	2.16	415.64	0.005	2.18	0.0	0.0	8.708	A
C-ABD	8.55	8.55	672.37	0.013	8.54	0.0	0.0	5.418	A
C-D	2.14	2.14			2.14				
C-A	60.08	60.08			60.08				

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	1.63	1.63	527.55	0.003	1.64	0.0	0.0	6.844	A
B-AD	8.28	8.28	502.52	0.016	8.28	0.0	0.0	7.283	A
A-BCD	5.89	5.89	734.40	0.008	5.89	0.0	0.0	4.943	A
A-B	4.29	4.29			4.29				
A-C	54.82	54.82			54.82				
D-AB	16.77	16.77	633.66	0.026	16.76	0.0	0.0	5.835	A
D-BC	1.62	1.62	410.08	0.004	1.62	0.0	0.0	8.813	A
C-ABD	4.88	4.88	668.95	0.007	4.88	0.0	0.0	5.421	A
C-D	2.15	2.15			2.15				
C-A	60.41	60.41			60.41				

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	6.67	6.67	643.44	0.010	6.67	0.0	0.0	5.652	A
B-AD	2.16	2.16	455.16	0.005	2.17	0.0	0.0	7.947	A
A-BCD	9.47	9.47	732.49	0.013	9.46	0.0	0.0	4.976	A
A-B	4.27	4.27			4.27				
A-C	57.84	57.84			57.84				
D-AB	17.97	17.97	597.75	0.030	17.96	0.0	0.0	6.208	A
D-BC	7.01	7.01	439.57	0.016	6.99	0.0	0.0	8.322	A
C-ABD	10.22	10.22	530.58	0.019	10.21	0.0	0.0	6.447	A
C-D	5.31	5.31			5.31				
C-A	60.65	60.65			60.65				

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	7.22	7.22	601.88	0.012	7.22	0.0	0.0	6.053	A
B-AD	4.86	4.86	483.05	0.010	4.85	0.0	0.0	7.527	A
A-BCD	3.55	3.55	738.44	0.005	3.56	0.0	0.0	4.902	A
A-B	3.23	3.23			3.23				
A-C	60.38	60.38			60.38				
D-AB	10.85	10.85	598.45	0.018	10.87	0.0	0.0	6.128	A
D-BC	9.70	9.70	478.64	0.020	9.70	0.0	0.0	7.675	A
C-ABD	3.58	3.58	667.53	0.005	3.59	0.0	0.0	6.482	A
C-D	2.15	2.15			2.15				
C-A	59.27	59.27			59.27				

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	6.05	6.05	589.33	0.010	6.05	0.0	0.0	6.171	A
B-AD	4.86	4.86	475.61	0.010	4.86	0.0	0.0	7.646	A
A-BCD	7.24	7.24	738.73	0.010	7.23	0.0	0.0	4.919	A
A-B	7.59	7.59			7.59				
A-C	67.67	67.67			67.67				
D-AB	16.87	16.87	569.06	0.030	16.86	0.0	0.0	6.326	A
D-BC	4.86	4.86	403.29	0.012	4.86	0.0	0.0	9.037	A
C-ABD	2.59	2.59	681.02	0.004	2.59	0.0	0.0	5.301	A
C-D	3.23	3.23			3.23				
C-A	84.24	84.24			84.24				

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	0.54	0.54	449.48	0.001	0.55	0.0	0.0	8.020	A
B-AD	2.70	2.70	500.61	0.005	2.71	0.0	0.0	7.229	A
A-BCD	9.54	9.54	727.61	0.013	9.54	0.0	0.0	5.004	A
A-B	8.72	8.72			8.72				
A-C	57.92	57.92			57.92				
D-AB	22.19	22.19	561.30	0.040	22.18	0.0	0.0	6.914	A
D-BC	7.02	7.02	449.57	0.016	7.01	0.0	0.0	8.134	A
C-ABD	1.39	1.39	694.31	0.002	1.39	0.0	0.0	5.194	A
C-D	1.08	1.08			1.08				
C-A	105.99	105.99			105.99				

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	7.22	7.22	641.72	0.011	7.21	0.0	0.0	5.673	A
B-AD	4.86	4.86	456.39	0.011	4.86	0.0	0.0	7.972	A
A-BCD	11.88	11.88	719.52	0.017	11.87	0.0	0.0	5.094	A
A-B	3.19	3.19			3.19				
A-C	59.76	59.76			59.76				
D-AB	35.74	35.74	595.31	0.060	35.72	0.0	0.1	6.432	A
D-BC	7.54	7.54	394.73	0.019	7.53	0.0	0.0	9.297	A
C-ABD	1.34	1.34	714.04	0.002	1.34	0.0	0.0	5.061	A
C-D	4.32	4.32			4.32				
C-A	130.66	130.66			130.66				

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	0.55	0.55	436.44	0.001	0.56	0.0	0.0	8.259	A
B-AD	4.86	4.86	496.42	0.010	4.86	0.0	0.0	7.325	A
A-BCD	5.82	5.82	717.91	0.008	5.83	0.0	0.0	5.068	A
A-B	1.07	1.07			1.07				
A-C	49.36	49.36			49.36				
D-AB	27.07	27.07	610.44	0.044	27.09	0.1	0.0	6.173	A
D-BC	6.47	6.47	402.86	0.016	6.47	0.0	0.0	9.081	A
C-ABD	2.57	2.57	703.60	0.004	2.57	0.0	0.0	5.131	A
C-D	4.31	4.31			4.31				
C-A	106.80	106.80			106.80				

Site 1 (R287/L3603 Junction) - +5, 12hrs

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	D - L36025 - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 1	Crossroads	Two-way		1.69	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	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 - R287 (SE)		DIRECT	✓	100.000
B - L3603		DIRECT	✓	100.000
C - R287 (NW)		DIRECT	✓	100.000
D - L36025		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

		To			
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	7.19	88.45	2.33
	B - L3603	4.66	0.00	2.54	0.00
	C - R287 (NW)	17.88	1.16	0.00	0.00
	D - L36025	0.00	1.16	1.16	0.00

Demand (Veh/TS)

08:00 - 09:00

		To			
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	6.98	150.34	26.77
	B - L3603	2.33	0.00	8.36	11.64
	C - R287 (NW)	50.25	7.61	0.00	0.00
	D - L36025	3.49	0.00	4.66	0.00

Demand (Veh/TS)

09:00 - 10:00

		To			
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.70	114.26	19.78
	B - L3603	9.31	0.00	3.70	3.49
	C - R287 (NW)	58.40	6.03	0.00	2.33
	D - L36025	6.98	2.33	3.49	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	8.15	66.75	6.98
	B - L3603	4.66	0.00	2.33	1.16
	C - R287 (NW)	56.07	2.54	0.00	3.49
	D - L36025	6.98	4.66	8.15	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	2.33	44.64	6.98
	B - L3603	4.66	0.00	3.70	4.66
	C - R287 (NW)	65.80	8.56	0.00	2.33
	D - L36025	8.15	2.33	1.16	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	4.66	59.56	5.82
	B - L3603	8.56	0.00	1.16	1.16
	C - R287 (NW)	65.80	4.86	0.00	2.33
	D - L36025	17.46	1.16	1.16	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	4.66	63.26	9.31
	B - L3603	1.16	0.00	6.24	2.33
	C - R287 (NW)	66.75	9.94	0.00	5.82
	D - L36025	16.50	5.82	4.66	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.49	65.38	3.49
	B - L3603	3.49	0.00	6.24	3.49
	C - R287 (NW)	64.22	3.49	0.00	2.33
	D - L36025	9.31	4.66	8.15	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	8.36	73.74	6.98
	B - L3603	3.49	0.00	4.86	3.49
	C - R287 (NW)	91.19	2.54	0.00	3.49
	D - L36025	16.50	3.49	3.49	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	9.73	63.47	9.31
	B - L3603	2.33	0.00	0.00	1.16
	C - R287 (NW)	114.47	1.37	0.00	1.16
	D - L36025	17.46	12.80	1.16	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.49	65.59	11.64
	B - L3603	4.66	0.00	7.40	1.16
	C - R287 (NW)	140.82	1.16	0.00	4.66
	D - L36025	33.75	9.31	3.49	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	1.16	53.53	5.82
	B - L3603	4.66	0.00	0.00	1.16
	C - R287 (NW)	115.43	2.33	0.00	4.66
	D - L36025	26.77	4.66	4.66	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
07:00 - 08:00	From	A - R287 (SE)	0	0	0
		B - L3603	0	0	0
		C - R287 (NW)	21	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
08:00 - 09:00	From	A - R287 (SE)	0	0	1
		B - L3603	0	0	0
		C - R287 (NW)	2	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
09:00 - 10:00	From	A - R287 (SE)	0	0	1
		B - L3603	0	0	0
		C - R287 (NW)	3	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
10:00 - 11:00	From	A - R287 (SE)	0	0	4
		B - L3603	0	0	0
		C - R287 (NW)	2	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
11:00 - 12:00	From	A - R287 (SE)	0	0	4
		B - L3603	0	0	0
		C - R287 (NW)	6	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
12:00 - 13:00	From	A - R287 (SE)	0	0	3
		B - L3603	0	0	0
		C - R287 (NW)	6	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
13:00 - 14:00	From	A - R287 (SE)	0	0	4
		B - L3603	0	0	0
		C - R287 (NW)	4	31	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
14:00 - 15:00	From	A - R287 (SE)	0	0	2
		B - L3603	0	0	0
		C - R287 (NW)	2	0	0
		D - L36025	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	0	3	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	9	0	0	0

Heavy Vehicle Percentages

16:00 - 17:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	19	6	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

17:00 - 18:00

From	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	0	4	0
	B - L3603	0	0	0	0
	C - R287 (NW)	0	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

18:00 - 19:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	0	0	0
	B - L3603	0	0	0	0
	C - R287 (NW)	1	0	0	0
	D - L36025	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	8.30	0.0	A	5.34	64.13
B-AD	0.02	8.07	0.0	A	5.94	71.27
A-BCD	0.04	5.10	0.1	A	11.04	132.49
A-B					5.24	62.93
A-C					74.39	892.68
D-AB	0.06	7.42	0.1	A	15.81	189.76
D-BC	0.02	9.38	0.0	A	5.95	71.35
C-ABD	0.02	6.51	0.0	A	4.84	58.10
C-D					2.69	32.31
C-A					75.07	900.85

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	2.54	2.54	606.08	0.004	2.53	0.0	0.0	5.964	A
B-AD	4.66	4.66	511.85	0.009	4.65	0.0	0.0	7.097	A
A-BCD	2.66	2.66	770.07	0.003	2.65	0.0	0.0	4.690	A
A-B	7.17	7.17			7.17				
A-C	88.14	88.14			88.14				
D-AB	0.58	0.58	485.45	0.001	0.58	0.0	0.0	7.423	A
D-BC	1.74	1.74	485.83	0.004	1.74	0.0	0.0	7.435	A
C-ABD	1.20	1.20	632.00	0.002	1.20	0.0	0.0	5.706	A
C-D	0.00	0.00			0.00				
C-A	17.84	17.84			17.84				

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	14.20	14.20	541.85	0.026	14.18	0.0	0.0	6.821	A
B-AD	8.12	8.12	458.32	0.018	8.11	0.0	0.0	7.996	A
A-BCD	33.35	33.35	796.87	0.042	33.30	0.0	0.1	4.713	A
A-B	6.69	6.69			6.69				
A-C	144.05	144.05			144.05				
D-AB	3.49	3.49	612.93	0.006	3.49	0.0	0.0	5.906	A
D-BC	4.66	4.66	447.01	0.010	4.65	0.0	0.0	8.137	A
C-ABD	8.27	8.27	630.23	0.013	8.26	0.0	0.0	5.790	A
C-D	0.00	0.00			0.00				
C-A	49.59	49.59			49.59				

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	5.48	5.48	552.90	0.010	5.50	0.0	0.0	6.575	A
B-AD	11.02	11.02	476.91	0.023	11.02	0.0	0.0	7.726	A
A-BCD	23.37	23.37	770.53	0.030	23.39	0.1	0.0	4.819	A
A-B	3.59	3.59			3.59				
A-C	110.79	110.79			110.79				
D-AB	8.16	8.16	593.79	0.014	8.15	0.0	0.0	6.146	A
D-BC	4.65	4.65	450.52	0.010	4.65	0.0	0.0	8.075	A
C-ABD	6.65	6.65	648.90	0.010	6.66	0.0	0.0	5.603	A
C-D	2.30	2.30			2.30				
C-A	57.80	57.80			57.80				

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	2.92	2.92	587.94	0.005	2.92	0.0	0.0	6.155	A
B-AD	5.23	5.23	492.68	0.011	5.24	0.0	0.0	7.387	A
A-BCD	7.77	7.77	745.37	0.010	7.79	0.0	0.0	4.872	A
A-B	8.06	8.06			8.06				
A-C	66.06	66.06			66.06				
D-AB	9.35	9.35	588.41	0.016	9.35	0.0	0.0	6.216	A
D-BC	10.43	10.43	477.82	0.022	10.42	0.0	0.0	7.702	A
C-ABD	2.79	2.79	662.80	0.004	2.80	0.0	0.0	5.459	A
C-D	3.48	3.48			3.48				
C-A	55.83	55.83			55.83				

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	6.05	6.05	573.87	0.011	6.04	0.0	0.0	6.339	A
B-AD	6.96	6.96	483.66	0.014	6.96	0.0	0.0	7.550	A
A-BCD	7.47	7.47	723.30	0.010	7.47	0.0	0.0	5.033	A
A-B	2.30	2.30			2.30				
A-C	44.18	44.18			44.18				
D-AB	9.31	9.31	611.49	0.015	9.31	0.0	0.0	5.979	A
D-BC	2.32	2.32	413.65	0.006	2.34	0.0	0.0	8.754	A
C-ABD	9.53	9.53	674.41	0.014	9.52	0.0	0.0	5.408	A
C-D	2.29	2.29			2.29				
C-A	64.87	64.87			64.87				

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	1.76	1.76	525.32	0.003	1.76	0.0	0.0	6.875	A
B-AD	9.14	9.14	500.14	0.018	9.13	0.0	0.0	7.330	A
A-BCD	6.38	6.38	735.45	0.009	6.38	0.0	0.0	4.940	A
A-B	4.61	4.61			4.61				
A-C	59.05	59.05			59.05				
D-AB	18.04	18.04	632.14	0.029	18.03	0.0	0.0	5.861	A
D-BC	1.74	1.74	408.10	0.004	1.75	0.0	0.0	8.860	A
C-ABD	5.42	5.42	670.76	0.008	5.42	0.0	0.0	5.413	A
C-D	2.31	2.31			2.31				
C-A	65.27	65.27			65.27				

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	7.40	7.40	644.57	0.011	7.40	0.0	0.0	5.649	A
B-AD	2.32	2.32	450.92	0.005	2.34	0.0	0.0	8.025	A
A-BCD	10.26	10.26	733.34	0.014	10.26	0.0	0.0	4.976	A
A-B	4.59	4.59			4.59				
A-C	62.38	62.38			62.38				
D-AB	19.44	19.44	596.15	0.033	19.44	0.0	0.0	6.241	A
D-BC	7.53	7.53	436.55	0.017	7.52	0.0	0.0	8.390	A
C-ABD	11.52	11.52	529.72	0.022	11.50	0.0	0.0	6.470	A
C-D	5.69	5.69			5.69				
C-A	65.30	65.30			65.30				

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	8.00	8.00	601.37	0.013	7.99	0.0	0.0	6.066	A
B-AD	5.22	5.22	480.80	0.011	5.22	0.0	0.0	7.568	A
A-BCD	3.85	3.85	739.95	0.005	3.86	0.0	0.0	4.895	A
A-B	3.47	3.47			3.47				
A-C	65.04	65.04			65.04				
D-AB	11.68	11.68	596.65	0.020	11.69	0.0	0.0	6.153	A
D-BC	10.43	10.43	476.44	0.022	10.43	0.0	0.0	7.724	A
C-ABD	3.88	3.88	669.15	0.006	3.90	0.0	0.0	6.506	A
C-D	2.31	2.31			2.31				
C-A	63.84	63.84			63.84				

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	6.62	6.62	588.01	0.011	6.63	0.0	0.0	6.193	A
B-AD	5.22	5.22	472.64	0.011	5.22	0.0	0.0	7.701	A
A-BCD	7.85	7.85	740.31	0.011	7.85	0.0	0.0	4.912	A
A-B	8.27	8.27			8.27				
A-C	72.95	72.95			72.95				
D-AB	18.26	18.26	564.88	0.032	18.25	0.0	0.0	6.380	A
D-BC	5.22	5.22	400.81	0.013	5.23	0.0	0.0	9.102	A
C-ABD	2.95	2.95	683.69	0.004	2.95	0.0	0.0	5.282	A
C-D	3.48	3.48			3.48				
C-A	90.80	90.80			90.80				

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	0.58	0.58	446.78	0.001	0.59	0.0	0.0	8.068	A
B-AD	2.91	2.91	497.12	0.006	2.91	0.0	0.0	7.283	A
A-BCD	10.35	10.35	728.40	0.014	10.35	0.0	0.0	5.003	A
A-B	9.59	9.59			9.59				
A-C	62.57	62.57			62.57				
D-AB	23.87	23.87	558.50	0.043	23.86	0.0	0.0	6.987	A
D-BC	7.55	7.55	446.45	0.017	7.54	0.0	0.0	8.201	A
C-ABD	1.65	1.65	697.88	0.002	1.65	0.0	0.0	5.172	A
C-D	1.16	1.16			1.16				
C-A	114.20	114.20			114.20				

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	7.99	7.99	642.20	0.012	7.98	0.0	0.0	5.675	A
B-AD	5.23	5.23	451.54	0.012	5.23	0.0	0.0	8.065	A
A-BCD	12.88	12.88	719.75	0.018	12.87	0.0	0.0	5.100	A
A-B	3.43	3.43			3.43				
A-C	64.42	64.42			64.42				
D-AB	38.45	38.45	592.30	0.065	38.42	0.0	0.1	6.499	A
D-BC	8.10	8.10	391.69	0.021	8.10	0.0	0.0	9.384	A
C-ABD	1.46	1.46	719.19	0.002	1.46	0.0	0.0	5.026	A
C-D	4.65	4.65			4.65				
C-A	140.53	140.53			140.53				

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	0.59	0.59	434.31	0.001	0.60	0.0	0.0	8.300	A
B-AD	5.23	5.23	493.49	0.011	5.23	0.0	0.0	7.372	A
A-BCD	6.30	6.30	717.86	0.009	6.31	0.0	0.0	5.072	A
A-B	1.15	1.15			1.15				
A-C	53.06	53.06			53.06				
D-AB	29.12	29.12	607.95	0.048	29.14	0.1	0.1	6.219	A
D-BC	6.96	6.96	400.48	0.017	6.96	0.0	0.0	9.149	A
C-ABD	2.80	2.80	708.04	0.004	2.80	0.0	0.0	5.100	A
C-D	4.64	4.64			4.64				
C-A	114.97	114.97			114.97				

Site 1 (R287/L3603 Junction) - +15, 12hrs

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	D - L36025 - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 1	Crossroads	Two-way		1.70	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	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 - R287 (SE)		DIRECT	✓	100.000
B - L3603		DIRECT	✓	100.000
C - R287 (NW)		DIRECT	✓	100.000
D - L36025		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	7.84	94.40	2.48
	B - L3603	4.97	0.00	2.87	0.00
	C - R287 (NW)	19.41	1.24	0.00	0.00
	D - L36025	0.00	1.24	1.24	0.00

Demand (Veh/TS)

08:00 - 09:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	7.45	160.62	28.57
	B - L3603	2.48	0.00	9.08	12.42
	C - R287 (NW)	53.80	8.62	0.00	0.00
	D - L36025	3.73	0.00	4.97	0.00

Demand (Veh/TS)

09:00 - 10:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	4.11	122.11	21.12
	B - L3603	9.94	0.00	4.11	3.73
	C - R287 (NW)	62.49	6.60	0.00	2.48
	D - L36025	7.45	2.48	3.73	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	8.69	71.58	7.45
	B - L3603	4.97	0.00	2.48	1.24
	C - R287 (NW)	60.01	2.87	0.00	3.73
	D - L36025	7.45	4.97	8.69	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	2.48	47.98	7.45
	B - L3603	4.97	0.00	4.11	4.97
	C - R287 (NW)	70.72	9.47	0.00	2.48
	D - L36025	8.69	2.48	1.24	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	4.97	63.74	6.21
	B - L3603	9.47	0.00	1.24	1.24
	C - R287 (NW)	70.72	5.36	0.00	2.48
	D - L36025	18.63	1.24	1.24	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	4.97	67.85	9.94
	B - L3603	1.24	0.00	6.99	2.48
	C - R287 (NW)	71.58	11.10	0.00	6.21
	D - L36025	17.78	6.21	4.97	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	3.73	69.95	3.73
	B - L3603	3.73	0.00	6.99	3.73
	C - R287 (NW)	68.70	3.73	0.00	2.48
	D - L36025	9.94	4.97	8.69	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	9.08	79.03	7.45
	B - L3603	3.73	0.00	5.36	3.73
	C - R287 (NW)	97.66	2.87	0.00	3.73
	D - L36025	17.78	3.73	3.73	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	10.71	68.24	9.94
	B - L3603	2.48	0.00	0.00	1.24
	C - R287 (NW)	122.50	1.63	0.00	1.24
	D - L36025	18.63	13.66	1.24	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	3.73	70.33	12.42
	B - L3603	4.97	0.00	8.23	1.24
	C - R287 (NW)	150.29	1.24	0.00	4.97
	D - L36025	36.02	9.94	3.73	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	1.24	57.14	6.21
	B - L3603	4.97	0.00	0.00	1.24
	C - R287 (NW)	123.36	2.48	0.00	4.97
	D - L36025	28.57	4.97	4.97	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
07:00 - 08:00	From	A - R287 (SE)	0	0	0
		B - L3603	0	0	0
		C - R287 (NW)	22	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
08:00 - 09:00	From	A - R287 (SE)	0	0	1
		B - L3603	0	0	0
		C - R287 (NW)	2	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
09:00 - 10:00	From	A - R287 (SE)	0	0	1
		B - L3603	0	0	0
		C - R287 (NW)	4	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
10:00 - 11:00	From	A - R287 (SE)	0	0	5
		B - L3603	0	0	0
		C - R287 (NW)	2	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
11:00 - 12:00	From	A - R287 (SE)	0	0	5
		B - L3603	0	0	0
		C - R287 (NW)	7	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
12:00 - 13:00	From	A - R287 (SE)	0	0	3
		B - L3603	0	0	0
		C - R287 (NW)	6	0	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
13:00 - 14:00	From	A - R287 (SE)	0	0	4
		B - L3603	0	0	0
		C - R287 (NW)	5	32	0
		D - L36025	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
14:00 - 15:00	From	A - R287 (SE)	0	0	2
		B - L3603	0	0	0
		C - R287 (NW)	3	0	0
		D - L36025	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	0	3	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	10	0	0	0

Heavy Vehicle Percentages

16:00 - 17:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	20	6	0
	B - L3603	0	0	0	0
	C - R287 (NW)	3	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

17:00 - 18:00

From	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	0	5	0
	B - L3603	0	0	0	0
	C - R287 (NW)	0	0	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

18:00 - 19:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	0	0	0
	B - L3603	0	0	0	0
	C - R287 (NW)	1	0	0	0
	D - L36025	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	8.34	0.0	A	5.86	70.26
B-AD	0.02	8.17	0.0	A	6.36	76.38
A-BCD	0.05	5.11	0.1	A	11.90	142.85
A-B					5.66	67.90
A-C					79.52	954.19
D-AB	0.07	7.45	0.1	A	16.91	202.88
D-BC	0.02	9.47	0.0	A	6.34	76.13
C-ABD	0.02	6.54	0.0	A	5.42	65.00
C-D					2.87	34.45
C-A					80.31	963.77

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	2.87	2.87	607.66	0.005	2.87	0.0	0.0	5.951	A
B-AD	4.97	4.97	507.47	0.010	4.96	0.0	0.0	7.163	A
A-BCD	2.86	2.86	773.48	0.004	2.86	0.0	0.0	4.671	A
A-B	7.81	7.81			7.81				
A-C	94.05	94.05			94.05				
D-AB	0.62	0.62	483.90	0.001	0.62	0.0	0.0	7.448	A
D-BC	1.86	1.86	484.30	0.004	1.86	0.0	0.0	7.461	A
C-ABD	1.28	1.28	631.13	0.002	1.28	0.0	0.0	5.715	A
C-D	0.00	0.00			0.00				
C-A	19.37	19.37			19.37				

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	15.33	15.33	538.97	0.028	15.30	0.0	0.0	6.874	A
B-AD	8.66	8.66	454.45	0.019	8.65	0.0	0.0	8.075	A
A-BCD	36.14	36.14	802.02	0.045	36.08	0.0	0.1	4.699	A
A-B	7.12	7.12			7.12				
A-C	153.38	153.38			153.38				
D-AB	3.73	3.73	611.90	0.006	3.72	0.0	0.0	5.918	A
D-BC	4.97	4.97	443.46	0.011	4.96	0.0	0.0	8.209	A
C-ABD	9.42	9.42	629.24	0.015	9.41	0.0	0.0	5.810	A
C-D	0.00	0.00			0.00				
C-A	52.99	52.99			52.99				

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	6.02	6.02	552.68	0.011	6.03	0.0	0.0	6.587	A
B-AD	11.76	11.76	472.68	0.025	11.75	0.0	0.0	7.810	A
A-BCD	25.24	25.24	774.09	0.033	25.26	0.1	0.0	4.807	A
A-B	3.98	3.98			3.98				
A-C	118.12	118.12			118.12				
D-AB	8.71	8.71	592.11	0.015	8.70	0.0	0.0	6.169	A
D-BC	4.96	4.96	447.61	0.011	4.96	0.0	0.0	8.132	A
C-ABD	7.33	7.33	649.08	0.011	7.34	0.0	0.0	5.605	A
C-D	2.46	2.46			2.46				
C-A	61.79	61.79			61.79				

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	3.11	3.11	586.16	0.005	3.12	0.0	0.0	6.176	A
B-AD	5.58	5.58	490.23	0.011	5.60	0.0	0.0	7.427	A
A-BCD	8.35	8.35	747.15	0.011	8.39	0.0	0.0	4.863	A
A-B	8.60	8.60			8.60				
A-C	70.77	70.77			70.77				
D-AB	9.98	9.98	586.64	0.017	9.98	0.0	0.0	6.242	A
D-BC	11.13	11.13	475.71	0.023	11.12	0.0	0.0	7.748	A
C-ABD	3.18	3.18	663.86	0.005	3.19	0.0	0.0	5.452	A
C-D	3.71	3.71			3.71				
C-A	59.72	59.72			59.72				

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	6.62	6.62	573.77	0.012	6.62	0.0	0.0	6.346	A
B-AD	7.43	7.43	481.40	0.015	7.42	0.0	0.0	7.594	A
A-BCD	8.01	8.01	723.40	0.011	8.01	0.0	0.0	5.037	A
A-B	2.46	2.46			2.46				
A-C	47.44	47.44			47.44				
D-AB	9.94	9.94	609.79	0.016	9.94	0.0	0.0	6.003	A
D-BC	2.48	2.48	411.62	0.006	2.50	0.0	0.0	8.799	A
C-ABD	10.62	10.62	676.37	0.016	10.61	0.0	0.0	5.400	A
C-D	2.45	2.45			2.45				
C-A	69.61	69.61			69.61				

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	1.87	1.87	522.94	0.004	1.88	0.0	0.0	6.911	A
B-AD	10.08	10.08	497.82	0.020	10.07	0.0	0.0	7.380	A
A-BCD	6.85	6.85	736.34	0.009	6.85	0.0	0.0	4.937	A
A-B	4.92	4.92			4.92				
A-C	63.14	63.14			63.14				
D-AB	19.25	19.25	630.59	0.031	19.24	0.0	0.0	5.888	A
D-BC	1.86	1.86	406.10	0.005	1.86	0.0	0.0	8.905	A
C-ABD	6.01	6.01	672.55	0.009	6.02	0.0	0.0	5.403	A
C-D	2.46	2.46			2.46				
C-A	70.09	70.09			70.09				

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	8.23	8.23	646.55	0.013	8.22	0.0	0.0	5.639	A
B-AD	2.48	2.48	446.20	0.006	2.50	0.0	0.0	8.115	A
A-BCD	11.03	11.03	734.01	0.015	11.03	0.0	0.0	4.976	A
A-B	4.89	4.89			4.89				
A-C	66.83	66.83			66.83				
D-AB	20.92	20.92	594.65	0.035	20.91	0.0	0.0	6.274	A
D-BC	8.04	8.04	433.29	0.019	8.02	0.0	0.0	8.465	A
C-ABD	13.02	13.02	528.14	0.025	13.00	0.0	0.0	6.504	A
C-D	6.06	6.06			6.06				
C-A	69.81	69.81			69.81				

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	8.86	8.86	601.27	0.015	8.86	0.0	0.0	6.076	A
B-AD	5.57	5.57	478.60	0.012	5.57	0.0	0.0	7.609	A
A-BCD	4.14	4.14	741.38	0.006	4.15	0.0	0.0	4.891	A
A-B	3.71	3.71			3.71				
A-C	69.55	69.55			69.55				
D-AB	12.47	12.47	594.88	0.021	12.48	0.0	0.0	6.180	A
D-BC	11.13	11.13	474.27	0.023	11.13	0.0	0.0	7.772	A
C-ABD	4.17	4.17	670.65	0.006	4.19	0.0	0.0	6.538	A
C-D	2.47	2.47			2.47				
C-A	68.27	68.27			68.27				

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	7.23	7.23	587.00	0.012	7.24	0.0	0.0	6.211	A
B-AD	5.57	5.57	469.67	0.012	5.57	0.0	0.0	7.756	A
A-BCD	8.46	8.46	741.84	0.011	8.45	0.0	0.0	4.906	A
A-B	8.98	8.98			8.98				
A-C	78.13	78.13			78.13				
D-AB	19.66	19.66	560.18	0.035	19.64	0.0	0.0	6.440	A
D-BC	5.57	5.57	398.33	0.014	5.58	0.0	0.0	9.167	A
C-ABD	3.37	3.37	686.22	0.005	3.37	0.0	0.0	5.267	A
C-D	3.71	3.71			3.71				
C-A	97.18	97.18			97.18				

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	0.62	0.62	444.08	0.001	0.64	0.0	0.0	8.118	A
B-AD	3.10	3.10	493.62	0.006	3.11	0.0	0.0	7.341	A
A-BCD	11.14	11.14	729.20	0.015	11.14	0.0	0.0	5.001	A
A-B	10.55	10.55			10.55				
A-C	67.19	67.19			67.19				
D-AB	25.48	25.48	555.71	0.046	25.47	0.0	0.0	7.065	A
D-BC	8.05	8.05	443.33	0.018	8.05	0.0	0.0	8.270	A
C-ABD	1.98	1.98	701.23	0.003	1.98	0.0	0.0	5.149	A
C-D	1.24	1.24			1.24				
C-A	122.16	122.16			122.16				

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	8.86	8.86	643.38	0.014	8.84	0.0	0.0	5.672	A
B-AD	5.58	5.58	446.41	0.013	5.58	0.0	0.0	8.166	A
A-BCD	13.85	13.85	720.03	0.019	13.84	0.0	0.0	5.107	A
A-B	3.65	3.65			3.65				
A-C	68.98	68.98			68.98				
D-AB	41.04	41.04	589.41	0.070	41.01	0.0	0.1	6.564	A
D-BC	8.65	8.65	388.75	0.022	8.64	0.0	0.0	9.470	A
C-ABD	1.58	1.58	724.07	0.002	1.58	0.0	0.0	4.995	A
C-D	4.96	4.96			4.96				
C-A	149.97	149.97			149.97				

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	0.63	0.63	432.29	0.001	0.64	0.0	0.0	8.341	A
B-AD	5.58	5.58	490.66	0.011	5.58	0.0	0.0	7.420	A
A-BCD	6.76	6.76	717.77	0.009	6.77	0.0	0.0	5.078	A
A-B	1.23	1.23			1.23				
A-C	56.60	56.60			56.60				
D-AB	31.08	31.08	605.54	0.051	31.10	0.1	0.1	6.266	A
D-BC	7.42	7.42	398.18	0.019	7.43	0.0	0.0	9.214	A
C-ABD	3.03	3.03	712.31	0.004	3.03	0.0	0.0	5.070	A
C-D	4.95	4.95			4.95				
C-A	122.83	122.83			122.83				

Site 1 (R287/L3603 Junction) - Opening year+QT, 12hrs

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	D - L36025 - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 1	Crossroads	Two-way		2.40	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 - R287 (SE)		DIRECT	✓	100.000
B - L3603		DIRECT	✓	100.000
C - R287 (NW)		DIRECT	✓	100.000
D - L36025		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 08:00	From	To			
			A - R287 (SE)	B - L3603	C - R287 (NW)
		A - R287 (SE)	0.00	14.72	82.22
		B - L3603	4.89	0.00	5.46
		C - R287 (NW)	16.41	10.14	0.00
		D - L36025	0.00	6.65	1.08
					0.00

Demand (Veh/TS)

08:00 - 09:00	From	To			
			A - R287 (SE)	B - L3603	C - R287 (NW)
		A - R287 (SE)	0.00	7.91	139.65
		B - L3603	2.76	0.00	11.06
		C - R287 (NW)	46.61	10.42	0.00
		D - L36025	3.25	0.00	4.33
					0.00

09:00 - 10:00

Demand (Veh/TS)

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	5.08	106.12	18.39
	B - L3603	9.33	0.00	7.17	3.25
	C - R287 (NW)	54.18	9.98	0.00	2.16
	D - L36025	6.49	2.16	3.25	0.00

Demand (Veh/TS)**10:00 - 11:00**

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	8.68	61.85	6.49
	B - L3603	4.88	0.00	5.30	1.08
	C - R287 (NW)	52.02	5.09	0.00	3.25
	D - L36025	6.49	4.33	7.57	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.31	41.29	6.49
	B - L3603	4.82	0.00	6.14	4.33
	C - R287 (NW)	60.85	10.69	0.00	2.16
	D - L36025	7.57	2.16	1.08	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	5.18	55.27	5.41
	B - L3603	8.25	0.00	3.89	1.08
	C - R287 (NW)	60.85	6.60	0.00	2.16
	D - L36025	16.23	1.08	1.08	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	5.72	58.60	8.66
	B - L3603	1.77	0.00	9.49	2.16
	C - R287 (NW)	61.85	12.51	0.00	5.41
	D - L36025	15.24	5.41	4.33	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	4.79	60.68	3.25
	B - L3603	3.98	0.00	9.75	3.25
	C - R287 (NW)	59.59	7.23	0.00	2.16
	D - L36025	8.66	4.33	7.57	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	8.90	68.34	6.49
	B - L3603	3.73	0.00	7.15	3.25
	C - R287 (NW)	84.57	5.45	0.00	3.25
	D - L36025	15.24	3.25	3.25	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	9.80	58.69	8.66
	B - L3603	2.61	0.00	2.55	1.08
	C - R287 (NW)	106.20	3.65	0.00	1.08
	D - L36025	16.23	11.90	1.08	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	3.58	60.77	10.82
	B - L3603	4.87	0.00	9.74	1.08
	C - R287 (NW)	130.91	1.94	0.00	4.33
	D - L36025	31.38	8.66	3.25	0.00

Demand (Veh/TS)

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
18:00 - 19:00	From				
	A - R287 (SE)	0.00	1.78	49.77	5.41
	B - L3603	10.18	0.00	4.37	4.97
	C - R287 (NW)	107.20	3.96	0.00	4.33
	D - L36025	24.88	4.33	4.33	0.00

Vehicle Mix**Heavy Vehicle Percentages**

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
07:00 - 08:00	From				
	A - R287 (SE)	0	43	0	0
	B - L3603	12	0	59	0
	C - R287 (NW)	20	73	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
08:00 - 09:00	From				
	A - R287 (SE)	0	18	1	0
	B - L3603	22	0	31	0
	C - R287 (NW)	2	35	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
09:00 - 10:00	From				
	A - R287 (SE)	0	34	1	0
	B - L3603	7	0	53	0
	C - R287 (NW)	3	45	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
10:00 - 11:00	From				
	A - R287 (SE)	0	13	4	0
	B - L3603	11	0	59	0
	C - R287 (NW)	2	56	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
11:00 - 12:00	From				
	A - R287 (SE)	0	35	4	0
	B - L3603	10	0	46	0
	C - R287 (NW)	6	28	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
12:00 - 13:00	From				
	A - R287 (SE)	0	16	3	0
	B - L3603	6	0	72	0
	C - R287 (NW)	5	33	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

		To			
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
13:00 - 14:00	From				
	A - R287 (SE)	0	24	4	0
	B - L3603	39	0	41	0
	C - R287 (NW)	4	50	0	0
	D - L36025	0	0	0	0

14:00 - 15:00**Heavy Vehicle Percentages**

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	32	2	0
	B - L3603	18	0	43	0
	C - R287 (NW)	2	55	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	14	3	0
	B - L3603	13	0	38	0
	C - R287 (NW)	3	59	0	0
	D - L36025	9	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	26	5	0
	B - L3603	17	0	100	0
	C - R287 (NW)	2	68	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	9	4	0
	B - L3603	11	0	31	0
	C - R287 (NW)	0	44	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	39	0	0
	B - L3603	43	0	76	0
	C - R287 (NW)	1	45	0	0
	D - L36025	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	8.68	0.0	A	8.37	100.50
B-AD	0.04	9.89	0.0	A	6.67	80.03
A-BCD	0.04	5.10	0.1	A	10.18	122.20
A-B					6.53	78.40
A-C					69.10	829.19
D-AB	0.06	7.55	0.1	A	14.91	178.97
D-BC	0.02	9.32	0.0	A	5.76	69.12
C-ABD	0.03	10.00	0.0	B	8.42	101.10
C-D					2.48	29.79
C-A					69.03	828.32

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	5.46	5.46	420.31	0.013	5.45	0.0	0.0	8.677	A
B-AD	4.89	4.89	411.56	0.012	4.88	0.0	0.0	8.852	A
A-BCD	2.48	2.48	762.73	0.003	2.48	0.0	0.0	4.734	A
A-B	14.67	14.67			14.67				
A-C	81.96	81.96			81.96				
D-AB	3.33	3.33	480.36	0.007	3.32	0.0	0.0	7.545	A
D-BC	4.40	4.40	481.56	0.009	4.39	0.0	0.0	7.543	A
C-ABD	10.61	10.61	370.48	0.029	10.58	0.0	0.0	10.003	B
C-D	0.00	0.00			0.00				
C-A	15.94	15.94			15.94				

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	16.51	16.51	472.24	0.035	16.48	0.0	0.0	8.543	A
B-AD	8.13	8.13	427.06	0.019	8.12	0.0	0.0	8.721	A
A-BCD	30.61	30.61	789.03	0.039	30.56	0.0	0.1	4.748	A
A-B	7.61	7.61			7.61				
A-C	134.24	134.24			134.24				
D-AB	3.25	3.25	613.90	0.005	3.25	0.0	0.0	5.894	A
D-BC	4.33	4.33	447.20	0.010	4.33	0.0	0.0	8.128	A
C-ABD	11.55	11.55	478.46	0.024	11.54	0.0	0.0	8.823	A
C-D	0.00	0.00			0.00				
C-A	45.48	45.48			45.48				

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	8.82	8.82	421.86	0.021	8.84	0.0	0.0	7.799	A
B-AD	10.92	10.92	438.86	0.025	10.91	0.0	0.0	8.452	A
A-BCD	21.53	21.53	763.84	0.028	21.55	0.1	0.0	4.848	A
A-B	4.94	4.94			4.94				
A-C	103.12	103.12			103.12				
D-AB	7.58	7.58	594.85	0.013	7.57	0.0	0.0	6.129	A
D-BC	4.32	4.32	449.89	0.010	4.32	0.0	0.0	8.079	A
C-ABD	11.36	11.36	464.63	0.024	11.37	0.0	0.0	7.713	A
C-D	2.11	2.11			2.11				
C-A	52.86	52.86			52.86				

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	5.85	5.85	421.65	0.014	5.85	0.0	0.0	8.308	A
B-AD	5.42	5.42	425.54	0.013	5.43	0.0	0.0	8.358	A
A-BCD	7.18	7.18	741.56	0.010	7.20	0.0	0.0	4.897	A
A-B	8.59	8.59			8.59				
A-C	61.25	61.25			61.25				
D-AB	8.69	8.69	589.54	0.015	8.69	0.0	0.0	6.197	A
D-BC	9.70	9.70	477.29	0.020	9.69	0.0	0.0	7.698	A
C-ABD	5.81	5.81	444.59	0.013	5.83	0.0	0.0	7.869	A
C-D	3.20	3.20			3.20				
C-A	51.34	51.34			51.34				

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	8.33	8.33	456.06	0.018	8.33	0.0	0.0	8.542	A
B-AD	6.96	6.96	451.40	0.015	6.96	0.0	0.0	8.203	A
A-BCD	6.92	6.92	721.08	0.010	6.92	0.0	0.0	5.042	A
A-B	3.28	3.28			3.28				
A-C	40.89	40.89			40.89				
D-AB	8.66	8.66	612.80	0.014	8.66	0.0	0.0	5.960	A
D-BC	2.16	2.16	413.68	0.005	2.18	0.0	0.0	8.750	A
C-ABD	12.11	12.11	540.38	0.022	12.09	0.0	0.0	7.248	A
C-D	2.12	2.12			2.12				
C-A	59.49	59.49			59.49				

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	4.44	4.44	382.66	0.012	4.45	0.0	0.0	8.390	A
B-AD	8.78	8.78	459.00	0.019	8.78	0.0	0.0	8.045	A
A-BCD	5.90	5.90	732.90	0.008	5.90	0.0	0.0	4.955	A
A-B	5.14	5.14			5.14				
A-C	54.82	54.82			54.82				
D-AB	16.77	16.77	633.58	0.026	16.76	0.0	0.0	5.835	A
D-BC	1.62	1.62	408.31	0.004	1.62	0.0	0.0	8.853	A
C-ABD	7.52	7.52	517.99	0.015	7.54	0.0	0.0	6.890	A
C-D	2.13	2.13			2.13				
C-A	59.97	59.97			59.97				

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	10.58	10.58	479.28	0.022	10.57	0.0	0.0	8.126	A
B-AD	2.85	2.85	349.48	0.008	2.86	0.0	0.0	9.215	A
A-BCD	9.49	9.49	730.06	0.013	9.49	0.0	0.0	4.992	A
A-B	5.65	5.65			5.65				
A-C	57.84	57.84			57.84				
D-AB	17.97	17.97	597.22	0.030	17.96	0.0	0.0	6.214	A
D-BC	7.01	7.01	436.74	0.016	6.99	0.0	0.0	8.376	A
C-ABD	14.61	14.61	468.27	0.031	14.59	0.0	0.0	7.668	A
C-D	5.24	5.24			5.24				
C-A	59.92	59.92			59.92				

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	11.39	11.39	480.07	0.024	11.39	0.0	0.0	7.691	A
B-AD	5.59	5.59	402.76	0.014	5.58	0.0	0.0	9.365	A
A-BCD	3.56	3.56	735.72	0.005	3.57	0.0	0.0	4.920	A
A-B	4.77	4.77			4.77				
A-C	60.38	60.38			60.38				
D-AB	10.85	10.85	597.68	0.018	10.87	0.0	0.0	6.136	A
D-BC	9.70	9.70	475.03	0.020	9.70	0.0	0.0	7.736	A
C-ABD	8.37	8.37	452.69	0.019	8.39	0.0	0.0	7.950	A
C-D	2.12	2.12			2.12				
C-A	58.49	58.49			58.49				

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	8.79	8.79	479.83	0.018	8.80	0.0	0.0	7.822	A
B-AD	5.34	5.34	422.47	0.013	5.34	0.0	0.0	8.797	A
A-BCD	7.25	7.25	736.58	0.010	7.25	0.0	0.0	4.934	A
A-B	8.82	8.82			8.82				
A-C	67.67	67.67			67.67				
D-AB	16.87	16.87	568.79	0.030	16.86	0.0	0.0	6.329	A
D-BC	4.86	4.86	401.11	0.012	4.86	0.0	0.0	9.086	A
C-ABD	6.73	6.73	461.50	0.015	6.73	0.0	0.0	7.912	A
C-D	3.20	3.20			3.20				
C-A	83.33	83.33			83.33				

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	3.10	3.10	349.93	0.009	3.11	0.0	0.0	8.222	A
B-AD	3.15	3.15	403.30	0.008	3.16	0.0	0.0	8.736	A
A-BCD	9.56	9.56	725.93	0.013	9.55	0.0	0.0	5.016	A
A-B	9.67	9.67			9.67				
A-C	57.92	57.92			57.92				
D-AB	22.19	22.19	560.72	0.040	22.18	0.0	0.0	6.921	A
D-BC	7.02	7.02	448.03	0.016	7.01	0.0	0.0	8.162	A
C-ABD	4.77	4.77	456.86	0.010	4.78	0.0	0.0	7.825	A
C-D	1.07	1.07			1.07				
C-A	105.09	105.09			105.09				

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	10.28	10.28	520.15	0.020	10.27	0.0	0.0	7.735	A
B-AD	5.40	5.40	396.77	0.014	5.40	0.0	0.0	9.331	A
A-BCD	11.88	11.88	718.94	0.017	11.88	0.0	0.0	5.100	A
A-B	3.52	3.52			3.52				
A-C	59.76	59.76			59.76				
D-AB	35.74	35.74	595.20	0.060	35.72	0.0	0.1	6.433	A
D-BC	7.54	7.54	393.75	0.019	7.53	0.0	0.0	9.320	A
C-ABD	2.60	2.60	536.05	0.005	2.61	0.0	0.0	7.383	A
C-D	4.31	4.31			4.31				
C-A	130.27	130.27			130.27				

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	6.94	6.94	395.56	0.018	6.94	0.0	0.0	8.569	A
B-AD	12.59	12.59	355.64	0.035	12.57	0.0	0.0	9.893	A
A-BCD	5.83	5.83	716.68	0.008	5.84	0.0	0.0	5.075	A
A-B	1.76	1.76			1.76				
A-C	49.36	49.36			49.36				
D-AB	27.07	27.07	610.28	0.044	27.09	0.1	0.0	6.174	A
D-BC	6.47	6.47	399.84	0.016	6.47	0.0	0.0	9.151	A
C-ABD	5.04	5.04	518.77	0.010	5.04	0.0	0.0	6.958	A
C-D	4.29	4.29			4.29				
C-A	106.15	106.15			106.15				

Site 1 (R287/L3603 Junction) - +5+QT, 12hrs

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	D - L36025 - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 1	Crossroads	Two-way		2.37	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 - R287 (SE)		DIRECT	✓	100.000
B - L3603		DIRECT	✓	100.000
C - R287 (NW)		DIRECT	✓	100.000
D - L36025		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

	To				
07:00 - 08:00	From	A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	15.33	88.45	2.33
	B - L3603	5.22	0.00	5.75	0.00
	C - R287 (NW)	17.88	10.23	0.00	0.00
	D - L36025	0.00	6.73	1.16	0.00

Demand (Veh/TS)

	To				
08:00 - 09:00		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	8.41	150.34	26.77
	B - L3603	2.93	0.00	11.75	11.64
	C - R287 (NW)	50.25	11.27	0.00	0.00
	D - L36025	3.49	0.00	4.66	0.00

Demand (Veh/TS)

		To				
09:00 - 10:00	From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	5.44	114.26	19.78
		B - L3603	9.99	0.00	7.53	3.49
		C - R287 (NW)	58.40	10.51	0.00	2.33
		D - L36025	6.98	2.33	3.49	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	9.25	66.75	6.98
	B - L3603	5.21	0.00	5.47	1.16
	C - R287 (NW)	56.07	5.37	0.00	3.49
	D - L36025	6.98	4.66	8.15	0.00

Demand (Veh/TS)

11:00 - 12:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	3.47	44.64	6.98
	B - L3603	5.15	0.00	6.51	4.66
	C - R287 (NW)	65.80	11.51	0.00	2.33
	D - L36025	8.15	2.33	1.16	0.00

Demand (Veh/TS)

12:00 - 13:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	5.51	59.56	5.82
	B - L3603	9.06	0.00	3.97	1.16
	C - R287 (NW)	65.80	7.05	0.00	2.33
	D - L36025	17.46	1.16	1.16	0.00

Demand (Veh/TS)

13:00 - 14:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	6.05	63.26	9.31
	B - L3603	1.85	0.00	10.14	2.33
	C - R287 (NW)	66.75	13.52	0.00	5.82
	D - L36025	16.50	5.82	4.66	0.00

Demand (Veh/TS)

14:00 - 15:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	5.04	65.38	3.49
	B - L3603	4.23	0.00	10.40	3.49
	C - R287 (NW)	64.22	7.47	0.00	2.33
	D - L36025	9.31	4.66	8.15	0.00

Demand (Veh/TS)

15:00 - 16:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	9.60	73.74	6.98
	B - L3603	3.97	0.00	7.60	3.49
	C - R287 (NW)	91.19	5.73	0.00	3.49
	D - L36025	16.50	3.49	3.49	0.00

Demand (Veh/TS)

16:00 - 17:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	10.69	63.47	9.31
	B - L3603	2.78	0.00	2.55	1.16
	C - R287 (NW)	114.47	3.85	0.00	1.16
	D - L36025	17.46	12.80	1.16	0.00

Demand (Veh/TS)

17:00 - 18:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	3.83	65.59	11.64
	B - L3603	5.20	0.00	10.47	1.16
	C - R287 (NW)	140.82	2.02	0.00	4.66
	D - L36025	33.75	9.31	3.49	0.00

18:00 - 19:00

Demand (Veh/TS)

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	1.86	53.53	5.82
	B - L3603	10.51	0.00	4.37	5.05
	C - R287 (NW)	115.43	4.12	0.00	4.66
	D - L36025	26.77	4.66	4.66	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	41	0	0
	B - L3603	11	0	56	0
	C - R287 (NW)	21	73	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

08:00 - 09:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	17	1	0
	B - L3603	20	0	29	0
	C - R287 (NW)	2	32	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

09:00 - 10:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	32	1	0
	B - L3603	7	0	51	0
	C - R287 (NW)	3	43	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

10:00 - 11:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	12	4	0
	B - L3603	11	0	57	0
	C - R287 (NW)	2	53	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

11:00 - 12:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	33	4	0
	B - L3603	10	0	43	0
	C - R287 (NW)	6	26	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

12:00 - 13:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	15	3	0
	B - L3603	5	0	71	0
	C - R287 (NW)	6	31	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

13:00 - 14:00

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	23	4	0
	B - L3603	37	0	38	0
	C - R287 (NW)	4	49	0	0
	D - L36025	0	0	0	0

14:00 - 15:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	31	2	0
	B - L3603	17	0	40	0
	C - R287 (NW)	2	53	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	13	3	0
	B - L3603	12	0	36	0
	C - R287 (NW)	3	56	0	0
	D - L36025	9	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	26	6	0
	B - L3603	16	0	100	0
	C - R287 (NW)	3	64	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	9	4	0
	B - L3603	10	0	29	0
	C - R287 (NW)	0	43	0	0
	D - L36025	0	0	0	0

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	37	0	0
	B - L3603	42	0	76	0
	C - R287 (NW)	1	44	0	0
	D - L36025	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	8.57	0.0	A	8.85	106.18
B-AD	0.04	9.86	0.0	A	7.10	85.24
A-BCD	0.04	5.11	0.1	A	11.07	132.83
A-B					6.94	83.26
A-C					74.38	892.59
D-AB	0.06	7.57	0.1	A	16.05	192.55
D-BC	0.02	9.41	0.0	A	6.18	74.12
C-ABD	0.03	9.97	0.0	A	8.99	107.89
C-D					2.67	32.01
C-A					74.37	892.43

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	5.75	5.75	426.00	0.013	5.73	0.0	0.0	8.565	A
B-AD	5.22	5.22	413.59	0.013	5.21	0.0	0.0	8.815	A
A-BCD	2.69	2.69	766.35	0.004	2.69	0.0	0.0	4.713	A
A-B	15.27	15.27			15.27				
A-C	88.14	88.14			88.14				
D-AB	3.37	3.37	478.80	0.007	3.37	0.0	0.0	7.571	A
D-BC	4.52	4.52	480.04	0.009	4.51	0.0	0.0	7.569	A
C-ABD	10.74	10.74	371.75	0.029	10.71	0.0	0.0	9.971	A
C-D	0.00	0.00			0.00				
C-A	17.36	17.36			17.36				

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	17.61	17.61	472.70	0.037	17.59	0.0	0.0	8.530	A
B-AD	8.70	8.70	426.05	0.020	8.69	0.0	0.0	8.747	A
A-BCD	33.45	33.45	794.52	0.042	33.39	0.0	0.1	4.731	A
A-B	8.05	8.05			8.05				
A-C	144.01	144.01			144.01				
D-AB	3.49	3.49	612.85	0.006	3.49	0.0	0.0	5.909	A
D-BC	4.66	4.66	443.60	0.010	4.65	0.0	0.0	8.201	A
C-ABD	12.57	12.57	487.21	0.026	12.56	0.0	0.0	8.710	A
C-D	0.00	0.00			0.00				
C-A	48.95	48.95			48.95				

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	9.32	9.32	426.08	0.022	9.34	0.0	0.0	7.753	A
B-AD	11.69	11.69	437.41	0.027	11.69	0.0	0.0	8.494	A
A-BCD	23.45	23.45	767.58	0.031	23.47	0.1	0.0	4.838	A
A-B	5.28	5.28			5.28				
A-C	110.76	110.76			110.76				
D-AB	8.16	8.16	593.14	0.014	8.15	0.0	0.0	6.153	A
D-BC	4.65	4.65	446.94	0.010	4.65	0.0	0.0	8.139	A
C-ABD	12.07	12.07	472.57	0.026	12.07	0.0	0.0	7.574	A
C-D	2.27	2.27			2.27				
C-A	56.90	56.90			56.90				

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	6.05	6.05	423.58	0.014	6.06	0.0	0.0	8.252	A
B-AD	5.78	5.78	427.59	0.014	5.80	0.0	0.0	8.336	A
A-BCD	7.78	7.78	743.44	0.010	7.81	0.0	0.0	4.890	A
A-B	9.15	9.15			9.15				
A-C	66.05	66.05			66.05				
D-AB	9.35	9.35	587.75	0.016	9.35	0.0	0.0	6.223	A
D-BC	10.43	10.43	475.17	0.022	10.42	0.0	0.0	7.746	A
C-ABD	6.19	6.19	454.31	0.014	6.20	0.0	0.0	7.721	A
C-D	3.44	3.44			3.44				
C-A	55.30	55.30			55.30				

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	8.87	8.87	461.13	0.019	8.86	0.0	0.0	8.461	A
B-AD	7.45	7.45	451.30	0.017	7.45	0.0	0.0	8.208	A
A-BCD	7.48	7.48	721.28	0.010	7.48	0.0	0.0	5.047	A
A-B	3.44	3.44			3.44				
A-C	44.18	44.18			44.18				
D-AB	9.31	9.31	611.14	0.015	9.31	0.0	0.0	5.983	A
D-BC	2.32	2.32	411.69	0.006	2.34	0.0	0.0	8.796	A
C-ABD	13.13	13.13	550.43	0.024	13.12	0.0	0.0	7.108	A
C-D	2.27	2.27			2.27				
C-A	64.23	64.23			64.23				

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	4.57	4.57	382.76	0.012	4.58	0.0	0.0	8.355	A
B-AD	9.63	9.63	461.63	0.021	9.63	0.0	0.0	8.014	A
A-BCD	6.39	6.39	733.95	0.009	6.39	0.0	0.0	4.951	A
A-B	5.46	5.46			5.46				
A-C	59.04	59.04			59.04				
D-AB	18.04	18.04	632.06	0.029	18.03	0.0	0.0	5.862	A
D-BC	1.74	1.74	406.33	0.004	1.75	0.0	0.0	8.897	A
C-ABD	8.10	8.10	527.88	0.015	8.12	0.0	0.0	6.772	A
C-D	2.29	2.29			2.29				
C-A	64.79	64.79			64.79				

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	11.31	11.31	486.20	0.023	11.30	0.0	0.0	8.027	A
B-AD	3.01	3.01	351.09	0.009	3.02	0.0	0.0	9.207	A
A-BCD	10.29	10.29	730.91	0.014	10.28	0.0	0.0	4.991	A
A-B	5.96	5.96			5.96				
A-C	62.37	62.37			62.37				
D-AB	19.44	19.44	595.62	0.033	19.44	0.0	0.0	6.247	A
D-BC	7.53	7.53	433.72	0.017	7.52	0.0	0.0	8.446	A
C-ABD	15.98	15.98	473.32	0.034	15.95	0.0	0.0	7.589	A
C-D	5.62	5.62			5.62				
C-A	64.50	64.50			64.50				

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	12.16	12.16	486.16	0.025	12.16	0.0	0.0	7.602	A
B-AD	5.95	5.95	404.27	0.015	5.94	0.0	0.0	9.326	A
A-BCD	3.86	3.86	737.24	0.005	3.87	0.0	0.0	4.913	A
A-B	5.01	5.01			5.01				
A-C	65.04	65.04			65.04				
D-AB	11.68	11.68	595.88	0.020	11.69	0.0	0.0	6.161	A
D-BC	10.43	10.43	472.83	0.022	10.43	0.0	0.0	7.785	A
C-ABD	8.74	8.74	460.08	0.019	8.76	0.0	0.0	7.852	A
C-D	2.28	2.28			2.28				
C-A	62.99	62.99			62.99				

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	9.36	9.36	483.90	0.019	9.37	0.0	0.0	7.753	A
B-AD	5.70	5.70	422.83	0.013	5.70	0.0	0.0	8.790	A
A-BCD	7.87	7.87	738.18	0.011	7.87	0.0	0.0	4.927	A
A-B	9.49	9.49			9.49				
A-C	72.95	72.95			72.95				
D-AB	18.26	18.26	564.61	0.032	18.25	0.0	0.0	6.383	A
D-BC	5.22	5.22	398.63	0.013	5.23	0.0	0.0	9.152	A
C-ABD	7.17	7.17	472.63	0.015	7.17	0.0	0.0	7.756	A
C-D	3.44	3.44			3.44				
C-A	89.81	89.81			89.81				

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	3.14	3.14	348.43	0.009	3.15	0.0	0.0	8.183	A
B-AD	3.36	3.36	405.71	0.008	3.36	0.0	0.0	8.702	A
A-BCD	10.37	10.37	726.75	0.014	10.37	0.0	0.0	5.015	A
A-B	10.54	10.54			10.54				
A-C	62.57	62.57			62.57				
D-AB	23.87	23.87	557.91	0.043	23.86	0.0	0.0	6.995	A
D-BC	7.55	7.55	444.92	0.017	7.54	0.0	0.0	8.230	A
C-ABD	5.11	5.11	469.87	0.011	5.11	0.0	0.0	7.625	A
C-D	1.15	1.15			1.15				
C-A	113.22	113.22			113.22				

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	11.06	11.06	526.90	0.021	11.04	0.0	0.0	7.639	A
B-AD	5.77	5.77	396.17	0.015	5.76	0.0	0.0	9.348	A
A-BCD	12.88	12.88	719.17	0.018	12.88	0.0	0.0	5.107	A
A-B	3.76	3.76			3.76				
A-C	64.41	64.41			64.41				
D-AB	38.45	38.45	592.19	0.065	38.42	0.0	0.1	6.500	A
D-BC	8.10	8.10	390.72	0.021	8.10	0.0	0.0	9.408	A
C-ABD	2.76	2.76	547.78	0.005	2.77	0.0	0.0	7.190	A
C-D	4.63	4.63			4.63				
C-A	140.11	140.11			140.11				

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	6.98	6.98	394.30	0.018	6.99	0.0	0.0	8.507	A
B-AD	12.96	12.96	356.65	0.036	12.94	0.0	0.0	9.862	A
A-BCD	6.31	6.31	716.63	0.009	6.32	0.0	0.0	5.081	A
A-B	1.84	1.84			1.84				
A-C	53.06	53.06			53.06				
D-AB	29.12	29.12	607.79	0.048	29.14	0.1	0.1	6.220	A
D-BC	6.96	6.96	397.46	0.018	6.96	0.0	0.0	9.218	A
C-ABD	5.33	5.33	529.57	0.010	5.33	0.0	0.0	6.817	A
C-D	4.61	4.61			4.61				
C-A	114.26	114.26			114.26				

Site 1 (R287/L3603 Junction) - +15+QT, 12hrs

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	D - L36025 - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site 1	Crossroads	Two-way		2.35	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 - R287 (SE)		DIRECT	✓	100.000
B - L3603		DIRECT	✓	100.000
C - R287 (NW)		DIRECT	✓	100.000
D - L36025		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

	To				
07:00 - 08:00		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	15.98	94.40	2.48
	B - L3603	5.54	0.00	6.08	0.00
	C - R287 (NW)	19.41	10.30	0.00	0.00
	D - L36025	0.00	6.81	1.24	0.00

Demand (Veh/TS)

08:00 - 09:00		To				
	From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	8.88	160.62	28.57
		B - L3603	3.08	0.00	12.48	12.42
		C - R287 (NW)	53.80	12.28	0.00	0.00
		D - L36025	3.73	0.00	4.97	0.00

Demand (Veh/TS)

09:00 - 10:00		To				
	From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
		A - R287 (SE)	0.00	5.86	122.11	21.12
		B - L3603	10.61	0.00	7.95	3.73
		C - R287 (NW)	62.49	11.08	0.00	2.48
		D - L36025	7.45	2.48	3.73	0.00

10:00 - 11:00

Demand (Veh/TS)

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	9.80	71.58	7.45
	B - L3603	5.52	0.00	5.62	1.24
	C - R287 (NW)	60.01	5.71	0.00	3.73
	D - L36025	7.45	4.97	8.69	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	3.63	47.98	7.45
	B - L3603	5.46	0.00	6.92	4.97
	C - R287 (NW)	70.72	12.41	0.00	2.48
	D - L36025	8.69	2.48	1.24	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	5.82	63.74	6.21
	B - L3603	9.97	0.00	4.05	1.24
	C - R287 (NW)	70.72	7.54	0.00	2.48
	D - L36025	18.63	1.24	1.24	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	6.36	67.85	9.94
	B - L3603	1.93	0.00	10.89	2.48
	C - R287 (NW)	71.58	14.69	0.00	6.21
	D - L36025	17.78	6.21	4.97	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	5.27	69.95	3.73
	B - L3603	4.46	0.00	11.15	3.73
	C - R287 (NW)	68.70	7.71	0.00	2.48
	D - L36025	9.94	4.97	8.69	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	10.32	79.03	7.45
	B - L3603	4.21	0.00	8.09	3.73
	C - R287 (NW)	97.66	6.06	0.00	3.73
	D - L36025	17.78	3.73	3.73	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	11.68	68.24	9.94
	B - L3603	2.93	0.00	2.55	1.24
	C - R287 (NW)	122.50	4.11	0.00	1.24
	D - L36025	18.63	13.66	1.24	0.00

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

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0.00	4.06	70.33	12.42
	B - L3603	5.51	0.00	11.29	1.24
	C - R287 (NW)	150.29	2.10	0.00	4.97
	D - L36025	36.02	9.94	3.73	0.00

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

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0.00	1.94	57.14	6.21
	B - L3603	10.83	0.00	4.37	5.13
	C - R287 (NW)	123.36	4.28	0.00	4.97
	D - L36025	28.57	4.97	4.97	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 08:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	39	0	0
	B - L3603	10	0	53	0
	C - R287 (NW)	22	72	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

08:00 - 09:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	16	1	0
	B - L3603	19	0	27	0
	C - R287 (NW)	2	30	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

09:00 - 10:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	30	1	0
	B - L3603	6	0	48	0
	C - R287 (NW)	4	40	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

10:00 - 11:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	11	5	0
	B - L3603	10	0	56	0
	C - R287 (NW)	2	50	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

11:00 - 12:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	32	5	0
	B - L3603	9	0	41	0
	C - R287 (NW)	7	24	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

12:00 - 13:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	15	3	0
	B - L3603	5	0	69	0
	C - R287 (NW)	6	29	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

13:00 - 14:00

	To				
From		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
	A - R287 (SE)	0	22	4	0
	B - L3603	36	0	36	0
	C - R287 (NW)	5	49	0	0
	D - L36025	0	0	0	0

14:00 - 15:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	29	2	0
	B - L3603	16	0	37	0
	C - R287 (NW)	3	52	0	0
	D - L36025	0	0	0	0

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	12	3	0
	B - L3603	11	0	34	0
	C - R287 (NW)	3	53	0	0
	D - L36025	10	0	0	0

15:00 - 16:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	26	6	0
	B - L3603	15	0	100	0
	C - R287 (NW)	3	60	0	0
	D - L36025	0	0	0	0

16:00 - 17:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	8	5	0
	B - L3603	10	0	27	0
	C - R287 (NW)	0	41	0	0
	D - L36025	0	0	0	0

17:00 - 18:00

Heavy Vehicle Percentages

	To				
		A - R287 (SE)	B - L3603	C - R287 (NW)	D - L36025
From	A - R287 (SE)	0	36	0	0
	B - L3603	41	0	76	0
	C - R287 (NW)	1	42	0	0
	D - L36025	0	0	0	0

18:00 - 19:00

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	8.50	0.0	A	9.36	112.33
B-AD	0.04	9.84	0.0	A	7.53	90.34
A-BCD	0.05	5.11	0.1	A	11.93	143.22
A-B					7.35	88.21
A-C					79.51	954.08
D-AB	0.07	7.60	0.1	A	17.14	205.67
D-BC	0.02	9.49	0.0	A	6.58	78.90
C-ABD	0.04	9.94	0.0	A	9.62	115.47
C-D					2.84	34.13
C-A					79.56	954.69

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	6.08	6.08	432.84	0.014	6.07	0.0	0.0	8.435	A
B-AD	5.54	5.54	414.88	0.013	5.52	0.0	0.0	8.794	A
A-BCD	2.90	2.90	769.79	0.004	2.90	0.0	0.0	4.693	A
A-B	15.92	15.92			15.92				
A-C	94.04	94.04			94.04				
D-AB	3.41	3.41	477.25	0.007	3.41	0.0	0.0	7.596	A
D-BC	4.64	4.64	478.52	0.010	4.63	0.0	0.0	7.595	A
C-ABD	10.87	10.87	373.02	0.029	10.84	0.0	0.0	9.940	A
C-D	0.00	0.00			0.00				
C-A	18.84	18.84			18.84				

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	18.74	18.74	473.78	0.040	18.71	0.0	0.0	8.503	A
B-AD	9.24	9.24	424.03	0.022	9.23	0.0	0.0	8.795	A
A-BCD	36.25	36.25	799.69	0.045	36.19	0.0	0.1	4.716	A
A-B	8.47	8.47			8.47				
A-C	153.34	153.34			153.34				
D-AB	3.73	3.73	611.81	0.006	3.73	0.0	0.0	5.919	A
D-BC	4.97	4.97	440.05	0.011	4.97	0.0	0.0	8.273	A
C-ABD	13.77	13.77	496.22	0.028	13.76	0.0	0.0	8.594	A
C-D	0.00	0.00			0.00				
C-A	52.30	52.30			52.30				

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	9.85	9.85	430.47	0.023	9.88	0.0	0.0	7.708	A
B-AD	12.43	12.43	435.74	0.029	12.42	0.0	0.0	8.540	A
A-BCD	25.33	25.33	771.16	0.033	25.35	0.1	0.0	4.827	A
A-B	5.67	5.67			5.67				
A-C	118.10	118.10			118.10				
D-AB	8.71	8.71	591.46	0.015	8.70	0.0	0.0	6.176	A
D-BC	4.96	4.96	444.03	0.011	4.96	0.0	0.0	8.200	A
C-ABD	12.82	12.82	480.38	0.027	12.83	0.0	0.0	7.440	A
C-D	2.42	2.42			2.42				
C-A	60.82	60.82			60.82				

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	6.25	6.25	425.23	0.015	6.26	0.0	0.0	8.194	A
B-AD	6.14	6.14	429.06	0.014	6.15	0.0	0.0	8.325	A
A-BCD	8.37	8.37	745.23	0.011	8.40	0.0	0.0	4.880	A
A-B	9.69	9.69			9.69				
A-C	70.77	70.77			70.77				
D-AB	9.98	9.98	585.98	0.017	9.98	0.0	0.0	6.249	A
D-BC	11.13	11.13	473.07	0.024	11.12	0.0	0.0	7.793	A
C-ABD	6.62	6.62	464.57	0.014	6.63	0.0	0.0	7.579	A
C-D	3.67	3.67			3.67				
C-A	59.15	59.15			59.15				

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	9.44	9.44	466.25	0.020	9.43	0.0	0.0	8.383	A
B-AD	7.92	7.92	450.84	0.018	7.91	0.0	0.0	8.221	A
A-BCD	8.03	8.03	721.38	0.011	8.03	0.0	0.0	5.051	A
A-B	3.59	3.59			3.59				
A-C	47.44	47.44			47.44				
D-AB	9.94	9.94	609.43	0.016	9.94	0.0	0.0	6.004	A
D-BC	2.48	2.48	409.66	0.006	2.50	0.0	0.0	8.843	A
C-ABD	14.28	14.28	560.27	0.025	14.26	0.0	0.0	6.974	A
C-D	2.42	2.42			2.42				
C-A	68.92	68.92			68.92				

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	4.69	4.69	382.45	0.012	4.70	0.0	0.0	8.322	A
B-AD	10.57	10.57	464.18	0.023	10.57	0.0	0.0	7.988	A
A-BCD	6.86	6.86	734.85	0.009	6.86	0.0	0.0	4.948	A
A-B	5.76	5.76			5.76				
A-C	63.14	63.14			63.14				
D-AB	19.25	19.25	630.51	0.031	19.24	0.0	0.0	5.888	A
D-BC	1.86	1.86	404.33	0.005	1.86	0.0	0.0	8.946	A
C-ABD	8.74	8.74	537.62	0.016	8.75	0.0	0.0	6.658	A
C-D	2.44	2.44			2.44				
C-A	69.57	69.57			69.57				

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	12.14	12.14	493.47	0.025	12.12	0.0	0.0	7.927	A
B-AD	3.17	3.17	352.04	0.009	3.18	0.0	0.0	9.207	A
A-BCD	11.06	11.06	731.60	0.015	11.05	0.0	0.0	4.991	A
A-B	6.27	6.27			6.27				
A-C	66.82	66.82			66.82				
D-AB	20.92	20.92	594.12	0.035	20.91	0.0	0.0	6.279	A
D-BC	8.04	8.04	430.46	0.019	8.02	0.0	0.0	8.521	A
C-ABD	17.55	17.55	477.65	0.037	17.52	0.0	0.0	7.525	A
C-D	5.98	5.98			5.98				
C-A	68.94	68.94			68.94				

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	13.03	13.03	492.93	0.026	13.03	0.0	0.0	7.507	A
B-AD	6.30	6.30	405.02	0.016	6.29	0.0	0.0	9.305	A
A-BCD	4.15	4.15	738.69	0.006	4.16	0.0	0.0	4.906	A
A-B	5.24	5.24			5.24				
A-C	69.55	69.55			69.55				
D-AB	12.47	12.47	594.11	0.021	12.48	0.0	0.0	6.191	A
D-BC	11.13	11.13	470.65	0.024	11.13	0.0	0.0	7.834	A
C-ABD	9.10	9.10	466.95	0.019	9.12	0.0	0.0	7.772	A
C-D	2.44	2.44			2.44				
C-A	67.36	67.36			67.36				

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	9.98	9.98	488.25	0.020	9.98	0.0	0.0	7.678	A
B-AD	6.05	6.05	422.48	0.014	6.05	0.0	0.0	8.795	A
A-BCD	8.48	8.48	739.72	0.011	8.47	0.0	0.0	4.921	A
A-B	10.21	10.21			10.21				
A-C	78.12	78.12			78.12				
D-AB	19.66	19.66	559.91	0.035	19.64	0.0	0.0	6.443	A
D-BC	5.57	5.57	396.15	0.014	5.58	0.0	0.0	9.218	A
C-ABD	7.68	7.68	484.22	0.016	7.68	0.0	0.0	7.607	A
C-D	3.67	3.67			3.67				
C-A	96.11	96.11			96.11				

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	3.18	3.18	346.97	0.009	3.19	0.0	0.0	8.143	A
B-AD	3.55	3.55	407.43	0.009	3.56	0.0	0.0	8.678	A
A-BCD	11.16	11.16	727.56	0.015	11.16	0.0	0.0	5.013	A
A-B	11.50	11.50			11.50				
A-C	67.19	67.19			67.19				
D-AB	25.48	25.48	555.12	0.046	25.47	0.0	0.0	7.073	A
D-BC	8.05	8.05	441.80	0.018	8.05	0.0	0.0	8.299	A
C-ABD	5.52	5.52	483.90	0.011	5.53	0.0	0.0	7.426	A
C-D	1.23	1.23			1.23				
C-A	121.10	121.10			121.10				

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	11.92	11.92	534.08	0.022	11.91	0.0	0.0	7.537	A
B-AD	6.12	6.12	394.94	0.016	6.11	0.0	0.0	9.380	A
A-BCD	13.86	13.86	719.44	0.019	13.85	0.0	0.0	5.113	A
A-B	3.98	3.98			3.98				
A-C	68.98	68.98			68.98				
D-AB	41.04	41.04	589.29	0.070	41.01	0.0	0.1	6.565	A
D-BC	8.65	8.65	387.77	0.022	8.64	0.0	0.0	9.495	A
C-ABD	2.92	2.92	558.63	0.005	2.92	0.0	0.0	7.000	A
C-D	4.94	4.94			4.94				
C-A	149.51	149.51			149.51				

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	7.02	7.02	393.09	0.018	7.03	0.0	0.0	8.444	A
B-AD	13.31	13.31	357.46	0.037	13.29	0.0	0.0	9.839	A
A-BCD	6.77	6.77	716.56	0.009	6.78	0.0	0.0	5.087	A
A-B	1.92	1.92			1.92				
A-C	56.60	56.60			56.60				
D-AB	31.08	31.08	605.37	0.051	31.10	0.1	0.1	6.270	A
D-BC	7.42	7.42	395.16	0.019	7.42	0.0	0.0	9.286	A
C-ABD	5.61	5.61	539.61	0.010	5.61	0.0	0.0	6.692	A
C-D	4.92	4.92			4.92				
C-A	122.07	122.07			122.07				