

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	238	0.083	20	0.2	0.1	16.521	C
C-AB	5	1	431	0.011	5	0.0	0.0	8.453	A
C-A	675	169			675				
A-B	11	3			11				
A-C	948	237			948				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	287	0.058	17	0.1	0.1	13.317	B
C-AB	4	0.95	464	0.008	4	0.0	0.0	7.828	A
C-A	565	141			565				
A-B	9	2			9				
A-C	794	198			794				

2029 + com + dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.39	A

Junction Network Options

Driving side	Lighting	Res Cap (%)	First arm reaching threshold
Left	Normal/unknown	-7	Stream B-AC

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2029 + com + dev	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	896	100.000
B		ONE HOUR	✓	92	100.000
C		ONE HOUR	✓	957	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	61	835
	B	77	0	15
	C	945	12	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	5
	B	0	0	0
	C	2	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.59	49.45	1.3	E	84	127
C-AB	0.03	8.27	0.0	A	12	17
C-A					867	1300
A-B					56	84
A-C					766	1149

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	69	17	284	0.244	68	0.0	0.3	16.557	C
C-AB	9	2	502	0.018	9	0.0	0.0	7.311	A
C-A	711	178			711				
A-B	46	11			46				
A-C	629	157			629				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	83	21	238	0.347	82	0.3	0.5	22.919	C
C-AB	11	3	479	0.024	11	0.0	0.0	7.708	A
C-A	849	212			849				
A-B	55	14			55				
A-C	751	188			751				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	101	25	173	0.585	98	0.5	1.3	46.388	E
C-AB	14	4	450	0.032	14	0.0	0.0	8.272	A
C-A	1039	260			1039				
A-B	67	17			67				
A-C	919	230			919				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	101	25	173	0.585	101	1.3	1.3	49.446	E
C-AB	14	4	450	0.032	14	0.0	0.0	8.274	A
C-A	1039	260			1039				
A-B	67	17			67				
A-C	919	230			919				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	83	21	238	0.347	86	1.3	0.6	24.070	C
C-AB	11	3	479	0.024	11	0.0	0.0	7.710	A
C-A	849	212			849				
A-B	55	14			55				
A-C	751	188			751				

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	69	17	284	0.244	70	0.6	0.3	16.887	C
C-AB	9	2	502	0.018	9	0.0	0.0	7.312	A
C-A	711	178			711				
A-B	46	11			46				
A-C	629	157			629				

2029 + com + dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.35	A

Junction Network Options

Driving side	Lighting	Res Cap (%)	First arm reaching threshold
Left	Normal/unknown	6	Stream B-AC

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2029 + com + dev	PM	ONE HOUR	17:00	18:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1111	100.000
B		ONE HOUR	✓	22	100.000
C		ONE HOUR	✓	790	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	12	1099
	B	16	0	6
	C	785	5	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	28.29	0.2	D	20	30
C-AB	0.02	9.74	0.0	A	5	7
C-A					720	1080
A-B					11	17
A-C					1008	1513

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	276	0.060	16	0.0	0.1	13.831	B
C-AB	4	0.95	456	0.008	4	0.0	0.0	7.956	A
C-A	591	148			591				
A-B	9	2			9				
A-C	827	207			827				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	225	0.088	20	0.1	0.1	17.511	C
C-AB	5	1	422	0.011	5	0.0	0.0	8.631	A
C-A	706	176			706				
A-B	11	3			11				
A-C	988	247			988				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	151	0.160	24	0.1	0.2	28.131	D
C-AB	6	1	376	0.015	6	0.0	0.0	9.737	A
C-A	864	216			864				
A-B	13	3			13				
A-C	1210	303			1210				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	151	0.160	24	0.2	0.2	28.286	D
C-AB	6	1	376	0.015	6	0.0	0.0	9.739	A
C-A	864	216			864				
A-B	13	3			13				
A-C	1210	303			1210				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	225	0.088	20	0.2	0.1	17.592	C
C-AB	5	1	422	0.011	5	0.0	0.0	8.632	A
C-A	706	176			706				
A-B	11	3			11				
A-C	988	247			988				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	276	0.060	17	0.1	0.1	13.873	B
C-AB	4	0.95	457	0.008	4	0.0	0.0	7.956	A
C-A	591	148			591				
A-B	9	2			9				
A-C	827	207			827				

Appendix I - Granham's Road/Babraham Road priority junction



3.5m

3.5m

29m

36.4m

6m

4.1m

4m

4m

4m

26.4m

7.5m

GENERAL NOTES

1. This drawing to be read in conjunction with all relevant Conisbee engineering drawings.

LEGEND

NOT FOR CONSTRUCTION

Rev	Date	Description	Drawn	Check
-----	------	-------------	-------	-------

conisbee
Consulting Structural Engineers
Consulting Civil Engineers

1-5 Offord St
London N1 1DH
Tel 020 7700 6666
Fax 020 7700 6686
design@conisbee.co.uk
www.conisbee.co.uk

Drawing Status

PRELIMINARY

Project

Worts' Causeway, Cambridge
Lot GB2

Title

Granhams Road/Babraham Road
Junction improvements with
PICADY Dimensions

Drawing No

180724-X-00-DR-C-3009

Date 26/03/2019

Scale 1:500:@A1

Drawn OJD

Engineer HLJ

Project No

180724

Client Project No

Revision

Junctions 9	
PICADY 9 - Priority Intersection Module	
Version: 9.5.0.6896 © Copyright TRL Limited, 2018	
For sales and distribution information, program advice and maintenance, contact TRL: +44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk	
The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution	

Filename: Babraham Road - Graham Road (with improvements).j9

Path: Z:\Lime\Projects\2018\18173 Worts Causeway, Cambs\Analysis\Junction capacity analysis\Amended PM dev flows

Report generation date: 12/06/2019 09:32:03

»2019, AM
 »2019, PM
 »2024, AM
 »2024, PM
 »2029, AM
 »2029, PM
 »2024 + com, AM
 »2024 + com, PM
 »2029 + com, AM
 »2029 + com, PM
 »2024 + com + dev, AM
 »2024 + com + dev, PM
 »2029 + com + dev, AM
 »2029 + com + dev, PM

Summary of junction performance

	AM				PM			
	Q (PCU)	Delay (s)	RFC	LOS	Q (PCU)	Delay (s)	RFC	LOS
2019								
Stream B-C	0.3	10.27	0.24	B	0.2	8.75	0.18	A
Stream B-A	0.5	22.07	0.32	C	0.4	23.64	0.27	C
Stream C-B	0.4	11.65	0.29	B	0.6	12.94	0.39	B
2024								
Stream B-C	0.4	11.80	0.29	B	0.3	9.73	0.21	A
Stream B-A	0.7	29.72	0.41	D	0.6	32.80	0.36	D
Stream C-B	0.5	12.85	0.33	B	0.8	14.61	0.44	B
2029								
Stream B-C	0.5	12.98	0.32	B	0.3	10.50	0.23	B
Stream B-A	0.8	36.24	0.47	E	0.7	41.09	0.43	E
Stream C-B	0.6	13.59	0.36	B	0.9	15.71	0.47	C
2024 + com								
Stream B-C	0.5	15.67	0.35	C	0.3	10.42	0.22	B
Stream B-A	1.2	53.09	0.55	F	0.7	43.64	0.43	E
Stream C-B	0.6	14.78	0.36	B	0.8	15.08	0.45	C
2029 + com								
Stream B-C	0.7	20.68	0.43	C	0.3	11.79	0.25	B
Stream B-A	1.7	77.77	0.66	F	1.0	59.63	0.52	F
Stream C-B	0.6	15.79	0.39	C	0.9	16.25	0.48	C
2024 + com + dev								
Stream B-C	0.6	18.76	0.39	C	0.3	10.71	0.22	B
Stream B-A	1.5	71.18	0.63	F	0.8	47.31	0.45	E
Stream C-B	0.6	15.42	0.37	C	0.8	15.32	0.45	C
2029 + com + dev								
Stream B-C	1.2	34.55	0.56	D	0.3	12.39	0.26	B
Stream B-A	2.6	119.64	0.77	F	1.1	66.58	0.55	F
Stream C-B	0.7	16.52	0.40	C	0.9	16.53	0.48	C

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

File summary

File Description

Title	
Location	
Site number	
Date	14/01/2019
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	DESKTOP-9HUKMLR\Rusne Bagdanaviciute
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Av. delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Q Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Av. Delay threshold (s)	Q 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 segment length (min)	Run automatically
D1	2019	AM	ONE HOUR	08:00	09:30	15	✓
D2	2019	PM	ONE HOUR	17:00	18:30	15	✓
D3	2024	AM	ONE HOUR	08:00	09:30	15	✓
D4	2024	PM	ONE HOUR	17:00	18:30	15	✓
D5	2029	AM	ONE HOUR	08:00	09:30	15	✓
D6	2029	PM	ONE HOUR	17:00	18:30	15	✓
D7	2024 + com	AM	ONE HOUR	08:00	09:30	15	✓
D8	2024 + com	PM	ONE HOUR	17:00	18:30	15	✓
D9	2029 + com	AM	ONE HOUR	08:00	09:30	15	✓
D10	2029 + com	PM	ONE HOUR	17:00	18:30	15	✓
D11	2024 + com + dev	AM	ONE HOUR	08:00	09:30	15	✓
D12	2024 + com + dev	PM	ONE HOUR	17:00	18:30	15	✓
D13	2029 + com + dev	AM	ONE HOUR	08:00	09:30	15	✓
D14	2029 + com + dev	PM	ONE HOUR	17:00	18:30	15	✓

Analysis Set Details

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

2019, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.40	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Babraham Road East		Major
B	Granham Road		Minor
C	Babraham Road West		Major

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)
C	7.50			80.0		-

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	One lane plus flare	10.00	4.10	4.00	4.00	4.00		2.00	36	26

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	603	0.103	0.259	0.163	0.370
1	B-C	719	0.103	0.260	-	-
1	C-B	620	0.225	0.225	-	-

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 segment length (min)	Run automatically
D1	2019	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	725	100.000
B		ONE HOUR	✓	174	100.000
C		ONE HOUR	✓	750	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	46	679
	B	69	0	105
	C	633	117	0

Vehicle Mix

HV %s

	To			
		A	B	C
	A	0	0	3
	B	1	0	2
	C	5	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.24	10.27	0.3	B	96	145
B-A	0.32	22.07	0.5	C	63	95
C-A					581	871
C-B	0.29	11.65	0.4	B	107	161
A-B					42	63
A-C					623	935

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	560	0.141	78	0.0	0.2	7.608	A
B-A	52	13	356	0.146	51	0.0	0.2	11.907	B
C-A	477	119			477				
C-B	88	22	498	0.177	87	0.0	0.2	8.840	A
A-B	35	9			35				
A-C	511	128			511				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	94	24	526	0.179	94	0.2	0.2	8.491	A
B-A	62	16	308	0.202	62	0.2	0.3	14.766	B
C-A	569	142			569				
C-B	105	26	474	0.222	105	0.2	0.3	9.854	A
A-B	41	10			41				
A-C	610	153			610				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	116	29	474	0.244	115	0.2	0.3	10.226	B
B-A	76	19	241	0.315	75	0.3	0.5	21.844	C
C-A	697	174			697				
C-B	129	32	441	0.292	128	0.3	0.4	11.611	B
A-B	51	13			51				
A-C	748	187			748				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	116	29	473	0.244	116	0.3	0.3	10.270	B
B-A	76	19	241	0.316	76	0.5	0.5	22.067	C
C-A	697	174			697				
C-B	129	32	441	0.292	129	0.4	0.4	11.647	B
A-B	51	13			51				
A-C	748	187			748				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	94	24	526	0.180	95	0.3	0.2	8.527	A
B-A	62	16	307	0.202	63	0.5	0.3	14.919	B
C-A	569	142			569				
C-B	105	26	474	0.222	106	0.4	0.3	9.887	A
A-B	41	10			41				
A-C	610	153			610				

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	560	0.141	79	0.2	0.2	7.643	A
B-A	52	13	356	0.146	52	0.3	0.2	12.003	B
C-A	477	119			477				
C-B	88	22	498	0.177	88	0.3	0.2	8.891	A
A-B	35	9			35				
A-C	511	128			511				

2019, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.28	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 segment length (min)	Run automatically
D2	2019	PM	ONE HOUR	17:00	18:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	658	100.000
B		ONE HOUR	✓	132	100.000
C		ONE HOUR	✓	981	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	54	604
	B	52	0	80
	C	818	163	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	4
	B	0	0	0
	C	2	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.18	8.75	0.2	A	73	110
B-A	0.27	23.64	0.4	C	48	72
C-A					751	1126
C-B	0.39	12.94	0.6	B	150	224
A-B					50	74
A-C					554	831

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	60	15	578	0.104	60	0.0	0.1	6.934	A
B-A	39	10	335	0.117	39	0.0	0.1	12.146	B
C-A	616	154			616				
C-B	123	31	509	0.241	121	0.0	0.3	9.260	A
A-B	41	10			41				
A-C	455	114			455				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	72	18	548	0.131	72	0.1	0.1	7.558	A
B-A	47	12	282	0.166	46	0.1	0.2	15.268	C
C-A	735	184			735				
C-B	147	37	487	0.301	146	0.3	0.4	10.533	B
A-B	49	12			49				
A-C	543	136			543				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	88	22	500	0.176	88	0.1	0.2	8.728	A
B-A	57	14	210	0.273	57	0.2	0.4	23.398	C
C-A	901	225			901				
C-B	179	45	458	0.392	179	0.4	0.6	12.867	B
A-B	59	15			59				
A-C	665	166			665				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	88	22	499	0.176	88	0.2	0.2	8.751	A
B-A	57	14	209	0.273	57	0.4	0.4	23.637	C
C-A	901	225			901				
C-B	179	45	458	0.392	179	0.6	0.6	12.939	B
A-B	59	15			59				
A-C	665	166			665				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	72	18	547	0.131	72	0.2	0.2	7.578	A
B-A	47	12	282	0.166	47	0.4	0.2	15.420	C
C-A	735	184			735				
C-B	147	37	487	0.301	147	0.6	0.4	10.610	B
A-B	49	12			49				
A-C	543	136			543				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	60	15	578	0.104	60	0.2	0.1	6.954	A
B-A	39	10	334	0.117	39	0.2	0.1	12.236	B
C-A	616	154			616				
C-B	123	31	509	0.241	123	0.4	0.3	9.343	A
A-B	41	10			41				
A-C	455	114			455				

2024, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.91	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 segment length (min)	Run automatically
D3	2024	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	794	100.000
B		ONE HOUR	✓	191	100.000
C		ONE HOUR	✓	820	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	50	744
	B	76	0	115
	C	692	128	0

Vehicle Mix

HV %s

	To			
		A	B	C
	A	0	0	3
	B	1	0	2
	C	5	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.29	11.80	0.4	B	106	158
B-A	0.41	29.72	0.7	D	70	105
C-A					635	952
C-B	0.33	12.85	0.5	B	117	176
A-B					46	69
A-C					683	1024

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	87	22	544	0.159	86	0.0	0.2	8.001	A
B-A	57	14	333	0.172	56	0.0	0.2	13.130	B
C-A	521	130			521				
C-B	96	24	486	0.198	95	0.0	0.2	9.285	A
A-B	38	9			38				
A-C	560	140			560				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	103	26	505	0.205	103	0.2	0.3	9.129	A
B-A	68	17	280	0.244	68	0.2	0.3	17.137	C
C-A	622	156			622				
C-B	115	29	460	0.250	115	0.2	0.3	10.521	B
A-B	45	11			45				
A-C	669	167			669				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	127	32	439	0.288	126	0.3	0.4	11.701	B
B-A	84	21	206	0.406	82	0.3	0.7	29.076	D
C-A	762	190			762				
C-B	141	35	424	0.332	140	0.3	0.5	12.790	B
A-B	55	14			55				
A-C	819	205			819				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	127	32	438	0.289	127	0.4	0.4	11.798	B
B-A	84	21	206	0.407	84	0.7	0.7	29.720	D
C-A	762	190			762				
C-B	141	35	424	0.332	141	0.5	0.5	12.846	B
A-B	55	14			55				
A-C	819	205			819				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	103	26	504	0.205	104	0.4	0.3	9.193	A
B-A	68	17	279	0.245	70	0.7	0.3	17.464	C
C-A	622	156			622				
C-B	115	29	460	0.250	116	0.5	0.3	10.580	B
A-B	45	11			45				
A-C	669	167			669				

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	87	22	543	0.159	87	0.3	0.2	8.048	A
B-A	57	14	332	0.172	58	0.3	0.2	13.275	B
C-A	521	130			521				
C-B	96	24	486	0.198	97	0.3	0.3	9.350	A
A-B	38	9			38				
A-C	560	140			560				

2024, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.75	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 segment length (min)	Run automatically
D4	2024	PM	ONE HOUR	17:00	18:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	720	100.000
B		ONE HOUR	✓	145	100.000
C		ONE HOUR	✓	1073	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	59	661
	B	57	0	88
	C	895	178	0

Vehicle Mix

HV %s

	To			
		A	B	C
	A	0	0	4
	B	0	0	0
	C	2	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.21	9.73	0.3	A	81	121
B-A	0.36	32.80	0.6	D	52	78
C-A					821	1232
C-B	0.44	14.61	0.8	B	163	245
A-B					54	81
A-C					607	910

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	66	17	564	0.117	66	0.0	0.1	7.217	A
B-A	43	11	309	0.139	42	0.0	0.2	13.449	B
C-A	674	168			674				
C-B	134	34	499	0.269	133	0.0	0.4	9.800	A
A-B	44	11			44				
A-C	498	124			498				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	529	0.150	79	0.1	0.2	7.999	A
B-A	51	13	252	0.203	51	0.2	0.2	17.880	C
C-A	805	201			805				
C-B	160	40	475	0.337	159	0.4	0.5	11.392	B
A-B	53	13			53				
A-C	594	149			594				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	97	24	468	0.207	97	0.2	0.3	9.676	A
B-A	63	16	173	0.363	62	0.2	0.5	32.069	D
C-A	985	246			985				
C-B	196	49	442	0.443	195	0.5	0.8	14.488	B
A-B	65	16			65				
A-C	728	182			728				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	97	24	467	0.208	97	0.3	0.3	9.733	A
B-A	63	16	172	0.364	63	0.5	0.6	32.799	D
C-A	985	246			985				
C-B	196	49	442	0.443	196	0.8	0.8	14.611	B
A-B	65	16			65				
A-C	728	182			728				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	528	0.150	79	0.3	0.2	8.032	A
B-A	51	13	251	0.204	52	0.6	0.3	18.210	C
C-A	805	201			805				
C-B	160	40	475	0.337	161	0.8	0.5	11.512	B
A-B	53	13			53				
A-C	594	149			594				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	66	17	563	0.118	66	0.2	0.1	7.247	A
B-A	43	11	309	0.139	43	0.3	0.2	13.592	B
C-A	674	168			674				
C-B	134	34	499	0.269	135	0.5	0.4	9.907	A
A-B	44	11			44				
A-C	498	124			498				

2029, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.31	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 segment length (min)	Run automatically
D5	2029	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	830	100.000
B		ONE HOUR	✓	199	100.000
C		ONE HOUR	✓	859	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	52	778
	B	79	0	120
	C	725	134	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	3
	B	1	0	2
	C	5	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.32	12.98	0.5	B	110	165
B-A	0.47	36.24	0.8	E	72	109
C-A					665	998
C-B	0.36	13.59	0.6	B	123	184
A-B					48	72
A-C					714	1071

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	90	23	535	0.169	90	0.0	0.2	8.220	A
B-A	59	15	320	0.186	59	0.0	0.2	13.861	B
C-A	546	136			546				
C-B	101	25	480	0.210	100	0.0	0.3	9.539	A
A-B	39	10			39				
A-C	586	146			586				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	108	27	494	0.219	108	0.2	0.3	9.505	A
B-A	71	18	264	0.269	70	0.2	0.4	18.689	C
C-A	652	163			652				
C-B	120	30	453	0.266	120	0.3	0.4	10.915	B
A-B	47	12			47				
A-C	699	175			699				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	132	33	417	0.317	131	0.3	0.5	12.804	B
B-A	87	22	187	0.465	85	0.4	0.8	35.006	E
C-A	798	200			798				
C-B	148	37	415	0.356	147	0.4	0.5	13.519	B
A-B	57	14			57				
A-C	857	214			857				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	132	33	415	0.318	132	0.5	0.5	12.984	B
B-A	87	22	187	0.465	87	0.8	0.8	36.238	E
C-A	798	200			798				
C-B	148	37	415	0.356	148	0.5	0.6	13.591	B
A-B	57	14			57				
A-C	857	214			857				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	108	27	492	0.219	109	0.5	0.3	9.596	A
B-A	71	18	264	0.269	73	0.8	0.4	19.199	C
C-A	652	163			652				
C-B	120	30	453	0.266	121	0.6	0.4	10.991	B
A-B	47	12			47				
A-C	699	175			699				

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	90	23	535	0.169	91	0.3	0.2	8.275	A
B-A	59	15	319	0.186	60	0.4	0.2	14.050	B
C-A	546	136			546				
C-B	101	25	480	0.210	101	0.4	0.3	9.614	A
A-B	39	10			39				
A-C	586	146			586				

2029, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.11	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 segment length (min)	Run automatically
D6	2029	PM	ONE HOUR	17:00	18:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	754	100.000
B		ONE HOUR	✓	151	100.000
C		ONE HOUR	✓	1122	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	62	692
	B	59	0	92
	C	936	186	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	4
	B	0	0	0
	C	2	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.23	10.50	0.3	B	84	127
B-A	0.43	41.09	0.7	E	54	81
C-A					859	1288
C-B	0.47	15.71	0.9	C	171	256
A-B					57	85
A-C					635	952

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	69	17	556	0.125	69	0.0	0.1	7.377	A
B-A	44	11	296	0.150	44	0.0	0.2	14.244	B
C-A	705	176			705				
C-B	140	35	493	0.284	138	0.0	0.4	10.117	B
A-B	47	12			47				
A-C	521	130			521				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	83	21	519	0.160	83	0.1	0.2	8.253	A
B-A	53	13	236	0.225	53	0.2	0.3	19.625	C
C-A	841	210			841				
C-B	167	42	468	0.357	167	0.4	0.5	11.918	B
A-B	56	14			56				
A-C	622	156			622				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	101	25	447	0.227	101	0.2	0.3	10.395	B
B-A	65	16	153	0.425	63	0.3	0.7	39.599	E
C-A	1031	258			1031				
C-B	205	51	434	0.472	204	0.5	0.9	15.545	C
A-B	68	17			68				
A-C	762	190			762				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	101	25	444	0.228	101	0.3	0.3	10.505	B
B-A	65	16	152	0.427	65	0.7	0.7	41.086	E
C-A	1031	258			1031				
C-B	205	51	434	0.472	205	0.9	0.9	15.706	C
A-B	68	17			68				
A-C	762	190			762				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	83	21	517	0.160	83	0.3	0.2	8.305	A
B-A	53	13	235	0.226	55	0.7	0.3	20.157	C
C-A	841	210			841				
C-B	167	42	468	0.357	168	0.9	0.6	12.067	B
A-B	56	14			56				
A-C	622	156			622				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	69	17	556	0.125	69	0.2	0.1	7.407	A
B-A	44	11	295	0.151	45	0.3	0.2	14.422	B
C-A	705	176			705				
C-B	140	35	493	0.284	141	0.6	0.4	10.243	B
A-B	47	12			47				
A-C	521	130			521				

2024 + com, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.84	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 segment length (min)	Run automatically
D7	2024 + com	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	944	100.000
B		ONE HOUR	✓	191	100.000
C		ONE HOUR	✓	880	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	50	894
	B	76	0	115
	C	752	128	0

Vehicle Mix

HV %s

	To			
		A	B	C
	A	0	0	3
	B	1	0	2
	C	5	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.35	15.67	0.5	C	106	158
B-A	0.55	53.09	1.2	F	70	105
C-A					690	1035
C-B	0.36	14.78	0.6	B	117	176
A-B					46	69
A-C					820	1231

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	87	22	513	0.169	86	0.0	0.2	8.581	A
B-A	57	14	296	0.193	56	0.0	0.2	15.116	C
C-A	566	142			566				
C-B	96	24	461	0.209	95	0.0	0.3	9.924	A
A-B	38	9			38				
A-C	673	168			673				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	103	26	465	0.222	103	0.2	0.3	10.132	B
B-A	68	17	236	0.290	68	0.2	0.4	21.559	C
C-A	676	169			676				
C-B	115	29	430	0.268	115	0.3	0.4	11.528	B
A-B	45	11			45				
A-C	804	201			804				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	127	32	367	0.345	126	0.3	0.5	15.175	C
B-A	84	21	152	0.552	81	0.4	1.1	49.497	E
C-A	828	207			828				
C-B	141	35	387	0.364	140	0.4	0.6	14.693	B
A-B	55	14			55				
A-C	984	246			984				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	127	32	361	0.351	127	0.5	0.5	15.675	C
B-A	84	21	151	0.553	83	1.1	1.2	53.095	F
C-A	828	207			828				
C-B	141	35	387	0.364	141	0.6	0.6	14.781	B
A-B	55	14			55				
A-C	984	246			984				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	103	26	462	0.224	104	0.5	0.3	10.281	B
B-A	68	17	235	0.291	71	1.2	0.4	22.564	C
C-A	676	169			676				
C-B	115	29	430	0.268	116	0.6	0.4	11.617	B
A-B	45	11			45				
A-C	804	201			804				

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	87	22	512	0.169	87	0.3	0.2	8.647	A
B-A	57	14	295	0.194	58	0.4	0.2	15.361	C
C-A	566	142			566				
C-B	96	24	461	0.209	97	0.4	0.3	10.006	B
A-B	38	9			38				
A-C	673	168			673				

2024 + com, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.94	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 segment length (min)	Run automatically
D8	2024 + com	PM	ONE HOUR	17:00	18:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	751	100.000
B		ONE HOUR	✓	145	100.000
C		ONE HOUR	✓	1176	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	59	692
	B	57	0	88
	C	998	178	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	4
	B	0	0	0
	C	2	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.22	10.42	0.3	B	81	121
B-A	0.43	43.64	0.7	E	52	78
C-A					916	1374
C-B	0.45	15.08	0.8	C	163	245
A-B					54	81
A-C					635	952

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	66	17	557	0.119	66	0.0	0.1	7.322	A
B-A	43	11	291	0.148	42	0.0	0.2	14.453	B
C-A	751	188			751				
C-B	134	34	493	0.272	133	0.0	0.4	9.941	A
A-B	44	11			44				
A-C	521	130			521				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	519	0.152	79	0.1	0.2	8.176	A
B-A	51	13	230	0.223	51	0.2	0.3	20.096	C
C-A	897	224			897				
C-B	160	40	469	0.341	159	0.4	0.5	11.621	B
A-B	53	13			53				
A-C	622	156			622				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	97	24	445	0.218	97	0.2	0.3	10.307	B
B-A	63	16	145	0.432	61	0.3	0.7	41.934	E
C-A	1099	275			1099				
C-B	196	49	435	0.451	195	0.5	0.8	14.942	B
A-B	65	16			65				
A-C	762	190			762				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	97	24	442	0.219	97	0.3	0.3	10.422	B
B-A	63	16	145	0.433	63	0.7	0.7	43.637	E
C-A	1099	275			1099				
C-B	196	49	435	0.451	196	0.8	0.8	15.081	C
A-B	65	16			65				
A-C	762	190			762				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	517	0.153	79	0.3	0.2	8.227	A
B-A	51	13	229	0.224	53	0.7	0.3	20.661	C
C-A	897	224			897				
C-B	160	40	469	0.341	161	0.8	0.5	11.752	B
A-B	53	13			53				
A-C	622	156			622				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	66	17	556	0.119	66	0.2	0.1	7.355	A
B-A	43	11	290	0.148	43	0.3	0.2	14.632	B
C-A	751	188			751				
C-B	134	34	493	0.272	135	0.5	0.4	10.055	B
A-B	44	11			44				
A-C	521	130			521				

2029 + com, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		5.12	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 segment length (min)	Run automatically
D9	2029 + com	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	981	100.000
B		ONE HOUR	✓	199	100.000
C		ONE HOUR	✓	918	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	52	929
	B	79	0	120
	C	784	134	0

Vehicle Mix

HV %s

	To			
		A	B	C
	A	0	0	3
	B	1	0	2
	C	5	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.43	20.68	0.7	C	110	165
B-A	0.66	77.77	1.7	F	72	109
C-A					719	1079
C-B	0.39	15.79	0.6	C	123	184
A-B					48	72
A-C					852	1279

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	90	23	504	0.179	89	0.0	0.2	8.844	A
B-A	59	15	283	0.210	58	0.0	0.3	16.099	C
C-A	590	148			590				
C-B	101	25	454	0.222	100	0.0	0.3	10.221	B
A-B	39	10			39				
A-C	699	175			699				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	108	27	452	0.239	107	0.2	0.3	10.644	B
B-A	71	18	220	0.322	70	0.3	0.5	24.073	C
C-A	705	176			705				
C-B	120	30	422	0.285	120	0.3	0.4	12.015	B
A-B	47	12			47				
A-C	835	209			835				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	132	33	324	0.408	131	0.3	0.7	18.881	C
B-A	87	22	132	0.657	82	0.5	1.6	67.800	F
C-A	863	216			863				
C-B	148	37	378	0.391	147	0.4	0.6	15.675	C
A-B	57	14			57				
A-C	1023	256			1023				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	132	33	309	0.427	132	0.7	0.7	20.682	C
B-A	87	22	132	0.660	86	1.6	1.7	77.766	F
C-A	863	216			863				
C-B	148	37	378	0.391	148	0.6	0.6	15.793	C
A-B	57	14			57				
A-C	1023	256			1023				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	108	27	447	0.241	110	0.7	0.3	10.924	B
B-A	71	18	220	0.323	76	1.7	0.5	26.068	D
C-A	705	176			705				
C-B	120	30	422	0.285	121	0.6	0.4	12.123	B
A-B	47	12			47				
A-C	835	209			835				

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	90	23	503	0.180	91	0.3	0.2	8.923	A
B-A	59	15	283	0.210	60	0.5	0.3	16.423	C
C-A	590	148			590				
C-B	101	25	454	0.222	101	0.4	0.3	10.313	B
A-B	39	10			39				
A-C	699	175			699				

2029 + com, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.53	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 segment length (min)	Run automatically
D10	2029 + com	PM	ONE HOUR	17:00	18:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	785	100.000
B		ONE HOUR	✓	151	100.000
C		ONE HOUR	✓	1226	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	62	723
	B	59	0	92
	C	1040	186	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	4
	B	0	0	0
	C	2	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.25	11.79	0.3	B	84	127
B-A	0.52	59.63	1.0	F	54	81
C-A					954	1431
C-B	0.48	16.25	0.9	C	171	256
A-B					57	85
A-C					663	995

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	69	17	549	0.126	69	0.0	0.1	7.486	A
B-A	44	11	277	0.160	44	0.0	0.2	15.383	C
C-A	783	196			783				
C-B	140	35	488	0.287	138	0.0	0.4	10.268	B
A-B	47	12			47				
A-C	544	136			544				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	83	21	508	0.163	83	0.1	0.2	8.459	A
B-A	53	13	213	0.249	53	0.2	0.3	22.341	C
C-A	935	234			935				
C-B	167	42	462	0.362	167	0.4	0.6	12.168	B
A-B	56	14			56				
A-C	650	162			650				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	101	25	414	0.245	101	0.2	0.3	11.483	B
B-A	65	16	125	0.519	62	0.3	1.0	55.430	F
C-A	1145	286			1145				
C-B	205	51	426	0.481	203	0.6	0.9	16.064	C
A-B	68	17			68				
A-C	796	199			796				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	101	25	407	0.249	101	0.3	0.3	11.787	B
B-A	65	16	125	0.522	65	1.0	1.0	59.625	F
C-A	1145	286			1145				
C-B	205	51	426	0.481	205	0.9	0.9	16.248	C
A-B	68	17			68				
A-C	796	199			796				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	83	21	505	0.164	83	0.3	0.2	8.540	A
B-A	53	13	212	0.250	56	1.0	0.3	23.357	C
C-A	935	234			935				
C-B	167	42	462	0.362	169	0.9	0.6	12.333	B
A-B	56	14			56				
A-C	650	162			650				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	69	17	548	0.126	69	0.2	0.1	7.527	A
B-A	44	11	276	0.161	45	0.3	0.2	15.618	C
C-A	783	196			783				
C-B	140	35	488	0.287	141	0.6	0.4	10.400	B
A-B	47	12			47				
A-C	544	136			544				

2024 + com + dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		4.57	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 segment length (min)	Run automatically
D11	2024 + com + dev	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	985	100.000
B		ONE HOUR	✓	191	100.000
C		ONE HOUR	✓	913	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	50	935
	B	76	0	115
	C	785	128	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	2
	B	1	0	2
	C	5	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.39	18.76	0.6	C	106	158
B-A	0.63	71.18	1.5	F	70	105
C-A					720	1080
C-B	0.37	15.42	0.6	C	117	176
A-B					46	69
A-C					858	1287

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	87	22	504	0.172	86	0.0	0.2	8.761	A
B-A	57	14	284	0.202	56	0.0	0.2	15.908	C
C-A	591	148			591				
C-B	96	24	454	0.212	95	0.0	0.3	10.115	B
A-B	38	9			38				
A-C	704	176			704				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	103	26	453	0.228	103	0.2	0.3	10.475	B
B-A	68	17	221	0.309	68	0.2	0.4	23.549	C
C-A	706	176			706				
C-B	115	29	421	0.273	115	0.3	0.4	11.837	B
A-B	45	11			45				
A-C	841	210			841				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	127	32	334	0.380	125	0.3	0.6	17.535	C
B-A	84	21	134	0.626	80	0.4	1.4	63.390	F
C-A	864	216			864				
C-B	141	35	377	0.374	140	0.4	0.6	15.311	C
A-B	55	14			55				
A-C	1029	257			1029				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	127	32	322	0.393	126	0.6	0.6	18.760	C
B-A	84	21	133	0.628	83	1.4	1.5	71.178	F
C-A	864	216			864				
C-B	141	35	377	0.374	141	0.6	0.6	15.416	C
A-B	55	14			55				
A-C	1029	257			1029				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	103	26	449	0.230	105	0.6	0.3	10.700	B
B-A	68	17	221	0.310	73	1.5	0.5	25.210	D
C-A	706	176			706				
C-B	115	29	421	0.273	116	0.6	0.4	11.935	B
A-B	45	11			45				
A-C	841	210			841				

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	87	22	503	0.172	87	0.3	0.2	8.835	A
B-A	57	14	283	0.202	58	0.5	0.3	16.203	C
C-A	591	148			591				
C-B	96	24	454	0.212	97	0.4	0.3	10.202	B
A-B	38	9			38				
A-C	704	176			704				

2024 + com + dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.03	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 segment length (min)	Run automatically
D12	2024 + com + dev	PM	ONE HOUR	17:00	18:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	766	100.000
B		ONE HOUR	✓	145	100.000
C		ONE HOUR	✓	1188	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From	A	B	C	
	0	59	707	
	57	0	88	
	1010	178	0	

Vehicle Mix

HV %s

	To			
From	A	B	C	
	0	0	4	
	0	0	0	
	2	0	0	

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.22	10.71	0.3	B	81	121
B-A	0.45	47.31	0.8	E	52	78
C-A					927	1390
C-B	0.45	15.32	0.8	C	163	245
A-B					54	81
A-C					649	973

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	66	17	554	0.120	66	0.0	0.1	7.370	A
B-A	43	11	286	0.150	42	0.0	0.2	14.712	B
C-A	760	190			760				
C-B	134	34	491	0.273	133	0.0	0.4	10.010	B
A-B	44	11			44				
A-C	532	133			532				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	515	0.154	79	0.1	0.2	8.253	A
B-A	51	13	224	0.229	51	0.2	0.3	20.699	C
C-A	908	227			908				
C-B	160	40	466	0.344	159	0.4	0.5	11.736	B
A-B	53	13			53				
A-C	636	159			636				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	97	24	437	0.222	96	0.2	0.3	10.568	B
B-A	63	16	139	0.452	61	0.3	0.8	45.167	E
C-A	1112	278			1112				
C-B	196	49	431	0.455	195	0.5	0.8	15.172	C
A-B	65	16			65				
A-C	778	195			778				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	97	24	433	0.224	97	0.3	0.3	10.713	B
B-A	63	16	138	0.454	63	0.8	0.8	47.310	E
C-A	1112	278			1112				
C-B	196	49	431	0.455	196	0.8	0.8	15.319	C
A-B	65	16			65				
A-C	778	195			778				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	79	20	513	0.154	80	0.3	0.2	8.311	A
B-A	51	13	224	0.229	53	0.8	0.3	21.353	C
C-A	908	227			908				
C-B	160	40	466	0.344	161	0.8	0.5	11.871	B
A-B	53	13			53				
A-C	636	159			636				

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	66	17	553	0.120	66	0.2	0.1	7.401	A
B-A	43	11	285	0.150	43	0.3	0.2	14.902	B
C-A	760	190			760				
C-B	134	34	491	0.273	135	0.5	0.4	10.125	B
A-B	44	11			44				
A-C	532	133			532				

2029 + com + dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		7.28	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 segment length (min)	Run automatically
D13	2029 + com + dev	AM	ONE HOUR	08:00	09:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1022	100.000
B		ONE HOUR	✓	199	100.000
C		ONE HOUR	✓	951	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	52	970
	B	79	0	120
	C	817	134	0

Vehicle Mix

HV %s

	To			
	A	B	C	
From	A	0	0	2
	B	1	0	2
	C	5	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.56	34.55	1.2	D	110	165
B-A	0.77	119.64	2.6	F	72	109
C-A					750	1125
C-B	0.40	16.52	0.7	C	123	184
A-B					48	72
A-C					890	1335

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	90	23	495	0.183	89	0.0	0.2	9.038	A
B-A	59	15	271	0.219	58	0.0	0.3	17.000	C
C-A	615	154			615				
C-B	101	25	447	0.225	100	0.0	0.3	10.423	B
A-B	39	10			39				
A-C	730	183			730				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	108	27	439	0.245	107	0.2	0.3	11.048	B
B-A	71	18	206	0.345	70	0.3	0.5	26.573	D
C-A	734	184			734				
C-B	120	30	414	0.291	120	0.3	0.4	12.351	B
A-B	47	12			47				
A-C	872	218			872				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	132	33	270	0.489	130	0.3	0.9	25.731	D
B-A	87	22	114	0.762	80	0.5	2.2	93.644	F
C-A	900	225			900				
C-B	148	37	368	0.401	147	0.4	0.7	16.376	C
A-B	57	14			57				
A-C	1068	267			1068				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	132	33	236	0.560	131	0.9	1.2	34.552	D
B-A	87	22	113	0.769	85	2.2	2.6	119.638	F
C-A	900	225			900				
C-B	148	37	368	0.401	147	0.7	0.7	16.519	C
A-B	57	14			57				
A-C	1068	267			1068				