

T20517
Brascote Lane, Newbold Verdon



Appendix E

2011 Census JTW Data

WU03EW - Location of usual residence and place of work by method of travel to work (MSOA level)

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population All usual residents aged 16 and over in employment the week before the census
units Persons
date 2011
method of travel to work Driving a car or van

usual residence					
place of work	E02005381 : Hinckley and Bosworth 005	Percentage of total	Route		
Leicester	626	24.3	Brascote N/Main St/B582 E	Routed to Desford	59.2 Brascote N/Main St/B582 E
Blaby	378	14.7	Brascote N/Main St/B582 E		16.3 Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE
E02005381 : Hinckley and Bosworth 005	238	9.2	Brascote N/Main St/B582 E		7.3 Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd
North West Leicestershire	171	6.6	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		0.7 Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/A447 S
Charnwood	138	5.4	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE	Routed to Market Bosworth	14.0 Brascote S/Newbold S/Bosworth W/Ashby S 1.5 Brascote S/Newbold S/Main St/Barwell S 1.0 Brascote S/Newbold S/Main St/Shilton S 100.0
E02005380 : Hinckley and Bosworth 004	116	4.5	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
E02005386 : Hinckley and Bosworth 010	74	2.9	Brascote S/Newbold S/Bosworth W/Ashby S		
Harborough	72	2.8	Brascote N/Main St/B582 E		
E02005387 : Hinckley and Bosworth 011	62	2.4	Brascote S/Newbold S/Bosworth W/Ashby S	Routed to Markfield	
Coventry	58	2.2	Brascote S/Newbold S/Bosworth W/Ashby S		
Oadby and Wigston	54	2.1	Brascote N/Main St/B582 E		
E02005377 : Hinckley and Bosworth 001	47	1.8	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Nuneaton and Bedworth	46	1.8	Brascote S/Newbold S/Bosworth W/Ashby S		
E02005383 : Hinckley and Bosworth 007	38	1.5	Brascote S/Newbold S/Main St/Barwell S		
E02005379 : Hinckley and Bosworth 003	34	1.3	Brascote N/Main St/B582 E		
E02005384 : Hinckley and Bosworth 008	30	1.2	Brascote S/Newbold S/Bosworth W/Ashby S		
Birmingham	29	1.1	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
Rugby	28	1.1	Brascote N/Main St/B582 E		
E02005385 : Hinckley and Bosworth 009	27	1.0	Brascote S/Newbold S/Bosworth W/Ashby S		
E02005382 : Hinckley and Bosworth 006	26	1.0	Brascote S/Newbold S/Main St/Shilton S		
E02005388 : Hinckley and Bosworth 012	26	1.0	Brascote S/Newbold S/Bosworth W/Ashby S		
Melton	20	0.8	Brascote N/Main St/B582 E		
Nottingham	18	0.7	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
North Warwickshire	17	0.7	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/A447 S		
E02005390 : Hinckley and Bosworth 014	17	0.7	Brascote S/Newbold S/Bosworth W/Ashby S		
E02005378 : Hinckley and Bosworth 002	16	0.6	Brascote N/Main St/B582 E		
Warwick	14	0.5	Brascote S/Newbold S/Bosworth W/Ashby S		
Derby	13	0.5	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Daventry	12	0.5	Brascote N/Main St/B582 E		
Shropshire	11	0.4	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
Tamworth	11	0.4	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
Northampton	10	0.4	Brascote N/Main St/B582 E		
Rushcliffe	8	0.3	Brascote N/Main St/B582 E		
East Staffordshire	8	0.3	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Solihull	8	0.3	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
South Derbyshire	7	0.3	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Milton Keynes	7	0.3	Brascote N/Main St/B582 E		
Erewash	6	0.2	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Rutland	6	0.2	Brascote N/Main St/B582 E		
Lichfield	6	0.2	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
Wakefield	5	0.2	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Luton	4	0.2	Brascote N/Main St/B582 E		
Broxtowe	4	0.2	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Gedling	4	0.2	Brascote N/Main St/B582 E		
South Kesteven	4	0.2	Brascote N/Main St/B582 E		
Hillingdon	4	0.2	Brascote N/Main St/B582 E		
Sandwell	4	0.2	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
Walsall	4	0.2	Brascote N/Main W/Dragon N/Barlestone NW/Bosworth Ln/Bosworth Rd		
E02005389 : Hinckley and Bosworth 013	4	0.2	Brascote S/Newbold S/Bosworth W/Ashby S		
King's Lynn and West Norfolk	3	0.1	Brascote N/Main St/B582 E		
Ashfield	3	0.1	Brascote N/Main W/Dragon N/Barlestone NW/Bagworth NE		
Stratford-on-Avon	3	0.1	Brascote S/Newbold S/Bosworth W/Ashby S		
Total	2,579	100.0			

In order to protect against disclosure of personal information, records have been swapped between different geographic areas. Some counts will be affected, particularly small counts at the lowest geographies.
Records of below 3 have been deleted.

T20517

Brascote Lane, Newbold Verdon

Appendix F

Site Access PICADY Assessment

Junctions 10									
PICADY 10 - Priority Intersection Module									
Version: 10.0.2.1576 © Copyright TRL Software Limited, 2021									
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Filename: T20517 - Brascote Ln-Site Access.j10

Path: C:\Users\max.law\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T20517 Brascote Lane, Newbold Verdon\Junction Assessments\Picady

Report generation date: 12/11/2021 13:38:27

»2026 + Com + Dev, AM

»2026 + Com + Dev, PM

»2036 + Com + Dev, AM

»2036 + Com + Dev, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2026 + Com + Dev									
Stream B-AC	D1	0.5	10.59	0.34	B	D2	0.1	8.22	0.10	A
Stream C-AB		0.0	5.33	0.01	A		0.1	5.40	0.04	A
	2036 + Com + Dev									
Stream B-AC	D3	0.5	10.65	0.34	B	D4	0.1	8.27	0.10	A
Stream C-AB		0.0	5.33	0.01	A		0.1	5.38	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	Brascote Lane Site Access
Location	Newbold Verdon
Site number	
Date	29/07/2021
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	T20517
Enumerator	HUBTRANSPORT\Max.Law
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	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75						0.85	36.00	20.00		500

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	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D2	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D3	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D4	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2026 + Com + Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.95	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.95	A

Arms

Arms

Arm	Name	Description	Arm type
A	untitled		Major
B	untitled		Minor
C	untitled		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	5.50			180.0	✓	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	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.50	20	25

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	521	0.097	0.245	0.154	0.350
B-C	672	0.105	0.266	-	-
C-B	678	0.268	0.268	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

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	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	84	100.000
B		ONE HOUR	✓	158	100.000
C		ONE HOUR	✓	42	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	16	68
	B	132	0	26
	C	39	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	0
	B	0	0	0
	C	6	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.34	10.59	0.5	B	145	217
C-AB	0.01	5.33	0.0	A	3	4
C-A					36	53
A-B					15	22
A-C					62	94

Main Results for each time segment

07:45 - 08:00

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	119	30	522	0.228	118	0.0	0.3	8.871	A
C-AB	2	0.59	680	0.003	2	0.0	0.0	5.326	A
C-A	29	7			29				
A-B	12	3			12				
A-C	51	13			51				

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	142	36	519	0.274	142	0.3	0.4	9.538	A
C-AB	3	0.71	680	0.004	3	0.0	0.0	5.328	A
C-A	35	9			35				
A-B	14	4			14				
A-C	61	15			61				

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	174	43	514	0.339	173	0.4	0.5	10.561	B
C-AB	4	0.88	681	0.005	4	0.0	0.0	5.333	A
C-A	43	11			43				
A-B	18	4			18				
A-C	75	19			75				

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	174	43	514	0.339	174	0.5	0.5	10.595	B
C-AB	4	0.88	681	0.005	4	0.0	0.0	5.334	A
C-A	43	11			43				
A-B	18	4			18				
A-C	75	19			75				

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	142	36	519	0.274	143	0.5	0.4	9.583	A
C-AB	3	0.71	680	0.004	3	0.0	0.0	5.332	A
C-A	35	9			35				
A-B	14	4			14				
A-C	61	15			61				

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	119	30	522	0.228	119	0.4	0.3	8.939	A
C-AB	2	0.59	680	0.003	2	0.0	0.0	5.330	A
C-A	29	7			29				
A-B	12	3			12				
A-C	51	13			51				

2026 + Com + Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.44	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.44	A

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	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	182	100.000
B		ONE HOUR	✓	44	100.000
C		ONE HOUR	✓	120	100.000

Origin-Destination Data

Demand (PCU/hr)

	To		
	A	B	C
From	A	0	113
	B	37	0
	C	98	22

Vehicle Mix

Heavy Vehicle Percentages

	To		
	A	B	C
From	A	0	0
	B	0	0
	C	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.10	8.22	0.1	A	40	61
C-AB	0.04	5.40	0.1	A	23	35
C-A					87	130
A-B					104	156
A-C					63	95

Main Results for each time segment

16:45 - 17:00

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	33	8	504	0.066	33	0.0	0.1	7.643	A
C-AB	19	5	689	0.027	18	0.0	0.0	5.369	A
C-A	72	18			72				
A-B	85	21			85				
A-C	52	13			52				

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	40	10	496	0.080	39	0.1	0.1	7.880	A
C-AB	23	6	691	0.033	23	0.0	0.0	5.383	A
C-A	85	21			85				
A-B	102	25			102				
A-C	62	16			62				

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	48	12	486	0.100	48	0.1	0.1	8.218	A
C-AB	29	7	695	0.041	29	0.0	0.1	5.403	A
C-A	103	26			103				
A-B	124	31			124				
A-C	76	19			76				

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	48	12	486	0.100	48	0.1	0.1	8.221	A
C-AB	29	7	695	0.041	29	0.1	0.1	5.404	A
C-A	103	26			103				
A-B	124	31			124				
A-C	76	19			76				

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	40	10	496	0.080	40	0.1	0.1	7.886	A
C-AB	23	6	691	0.033	23	0.1	0.0	5.384	A
C-A	85	21			85				
A-B	102	25			102				
A-C	62	16			62				

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	33	8	503	0.066	33	0.1	0.1	7.658	A
C-AB	19	5	689	0.027	19	0.0	0.0	5.370	A
C-A	72	18			72				
A-B	85	21			85				
A-C	52	13			52				

2036 + Com + Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.82	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.82	A

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	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	89	100.000
B		ONE HOUR	✓	158	100.000
C		ONE HOUR	✓	45	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	16	73
	B	132	0	26
	C	42	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	6	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.34	10.65	0.5	B	145	217
C-AB	0.01	5.33	0.0	A	3	4
C-A					38	58
A-B					15	22
A-C					67	100

Main Results for each time segment

07:45 - 08:00

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	119	30	521	0.228	118	0.0	0.3	8.899	A
C-AB	2	0.59	680	0.003	2	0.0	0.0	5.324	A
C-A	32	8			32				
A-B	12	3			12				
A-C	55	14			55				

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	142	36	517	0.275	142	0.3	0.4	9.576	A
C-AB	3	0.71	681	0.004	3	0.0	0.0	5.325	A
C-A	38	9			38				
A-B	14	4			14				
A-C	66	16			66				

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	174	43	512	0.340	173	0.4	0.5	10.619	B
C-AB	4	0.89	681	0.005	4	0.0	0.0	5.329	A
C-A	46	12			46				
A-B	18	4			18				
A-C	80	20			80				

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	174	43	512	0.340	174	0.5	0.5	10.650	B
C-AB	4	0.89	681	0.005	4	0.0	0.0	5.331	A
C-A	46	12			46				
A-B	18	4			18				
A-C	80	20			80				

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	142	36	517	0.275	143	0.5	0.4	9.621	A
C-AB	3	0.71	681	0.004	3	0.0	0.0	5.329	A
C-A	38	9			38				
A-B	14	4			14				
A-C	66	16			66				

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	119	30	521	0.228	119	0.4	0.3	8.965	A
C-AB	2	0.59	680	0.003	2	0.0	0.0	5.327	A
C-A	32	8			32				
A-B	12	3			12				
A-C	55	14			55				

2036 + Com + Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.40	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.40	A

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	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	188	100.000
B		ONE HOUR	✓	44	100.000
C		ONE HOUR	✓	127	100.000

Origin-Destination Data

Demand (PCU/hr)

	To		
	A	B	C
From	A	0	113
	B	37	0
	C	105	22

Vehicle Mix

Heavy Vehicle Percentages

	To		
	A	B	C
From	A	0	0
	B	0	0
	C	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.10	8.27	0.1	A	40	61
C-AB	0.04	5.38	0.1	A	24	35
C-A					93	139
A-B					104	156
A-C					69	103

Main Results for each time segment

16:45 - 17:00

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	33	8	502	0.066	33	0.0	0.1	7.673	A
C-AB	19	5	691	0.027	19	0.0	0.0	5.353	A
C-A	77	19			77				
A-B	85	21			85				
A-C	56	14			56				

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	40	10	494	0.080	39	0.1	0.1	7.919	A
C-AB	23	6	694	0.033	23	0.0	0.0	5.365	A
C-A	91	23			91				
A-B	102	25			102				
A-C	67	17			67				

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	48	12	484	0.100	48	0.1	0.1	8.269	A
C-AB	29	7	698	0.042	29	0.0	0.1	5.378	A
C-A	111	28			111				
A-B	124	31			124				
A-C	83	21			83				

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	48	12	484	0.100	48	0.1	0.1	8.273	A
C-AB	29	7	698	0.042	29	0.1	0.1	5.381	A
C-A	111	28			111				
A-B	124	31			124				
A-C	83	21			83				

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	40	10	494	0.080	40	0.1	0.1	7.924	A
C-AB	23	6	694	0.033	23	0.1	0.0	5.367	A
C-A	91	23			91				
A-B	102	25			102				
A-C	67	17			67				

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	33	8	502	0.066	33	0.1	0.1	7.686	A
C-AB	19	5	691	0.027	19	0.0	0.0	5.354	A
C-A	77	19			77				
A-B	85	21			85				
A-C	56	14			56				

T20517

Brascote Lane, Newbold Verdon



Appendix G

Main St/Brascote Ln PICADY Assessment

Junctions 10										
PICADY 10 - Priority Intersection Module										
Version: 10.0.2.1576										
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Filename: T20517 - Main St-Brascote Ln.j10

Path: C:\Users\max.law\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T20517 Brascote Lane, Newbold Verdon\Junction Assessments\Picady

Report generation date: 12/11/2021 13:54:28

»2021, AM
 »2021, PM
 »2026, AM
 »2026, PM
 »2026 + Committed, AM
 »2026 + Committed, PM
 »2026 + Com + Dev, AM
 »2026 + Com + Dev, PM
 »2036 + Com + Dev, AM
 »2036 + Com + Dev, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2021									
Stream B-AC	D1	0.2	7.34	0.15	A	D2	0.4	9.12	0.28	A
Stream C-AB		0.1	6.44	0.07	A		0.2	6.90	0.14	A
	2026									
Stream B-AC	D3	0.2	7.42	0.16	A	D4	0.4	9.28	0.29	A
Stream C-AB		0.1	6.44	0.08	A		0.2	6.95	0.14	A
	2026 + Committed									
Stream B-AC	D5	0.2	7.42	0.16	A	D6	0.4	9.28	0.29	A
Stream C-AB		0.1	6.44	0.08	A		0.2	6.95	0.14	A
	2026 + Com + Dev									
Stream B-AC	D7	0.8	11.84	0.44	B	D8	0.6	11.21	0.38	B
Stream C-AB		0.1	6.54	0.09	A		0.3	7.80	0.22	A
	2036 + Com + Dev									
Stream B-AC	D9	0.8	12.16	0.45	B	D10	0.5	10.04	0.33	B
Stream C-AB		0.1	6.57	0.09	A		0.3	7.90	0.23	A

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

File summary

File Description

Title	Main St/Brascote Ln
Location	Newbold Verdon
Site number	
Date	28/06/2021
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	HUBTRANSPORT\Max.Law
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	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75						0.85	36.00	20.00		500

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	2021	AM	ONE HOUR	07:45	09:15	15	✓
D2	2021	PM	ONE HOUR	16:45	18:15	15	✓
D3	2026	AM	ONE HOUR	07:45	09:15	15	✓
D4	2026	PM	ONE HOUR	16:45	18:15	15	✓
D5	2026 + Committed	AM	ONE HOUR	07:45	09:15	15	✓
D6	2026 + Committed	PM	ONE HOUR	16:45	18:15	15	✓
D7	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D8	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D9	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D10	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2021, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		3.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.19	A

Arms

Arms

Arm	Name	Description	Arm type
A	untitled		Major
B	untitled		Minor
C	untitled		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	8.50			75.0	✓	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	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.56	30	22

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	526	0.085	0.216	0.136	0.308
B-C	674	0.092	0.233	-	-
C-B	617	0.213	0.213	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

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	2021	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	92	100.000
B		ONE HOUR	✓	82	100.000
C		ONE HOUR	✓	99	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	39	53
	B	28	0	54
	C	61	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	7
	B	0	0	2
	C	8	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	7.34	0.2	A	75	113
C-AB	0.07	6.44	0.1	A	38	58
C-A					52	79
A-B					36	54
A-C					49	73

Main Results for each time segment

07:45 - 08:00

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	62	15	596	0.104	61	0.0	0.1	6.817	A
C-AB	31	8	633	0.049	31	0.0	0.1	6.340	A
C-A	44	11			44				
A-B	29	7			29				
A-C	40	10			40				

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	74	18	592	0.125	74	0.1	0.1	7.033	A
C-AB	37	9	636	0.059	37	0.1	0.1	6.379	A
C-A	52	13			52				
A-B	35	9			35				
A-C	48	12			48				

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	90	23	587	0.154	90	0.1	0.2	7.340	A
C-AB	47	12	641	0.073	47	0.1	0.1	6.435	A
C-A	62	16			62				
A-B	43	11			43				
A-C	58	15			58				

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	90	23	587	0.154	90	0.2	0.2	7.343	A
C-AB	47	12	641	0.073	47	0.1	0.1	6.437	A
C-A	62	16			62				
A-B	43	11			43				
A-C	58	15			58				

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	74	18	592	0.125	74	0.2	0.1	7.040	A
C-AB	37	9	636	0.059	37	0.1	0.1	6.387	A
C-A	52	13			52				
A-B	35	9			35				
A-C	48	12			48				

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	62	15	596	0.104	62	0.1	0.1	6.831	A
C-AB	31	8	633	0.049	31	0.1	0.1	6.345	A
C-A	44	11			44				
A-B	29	7			29				
A-C	40	10			40				

2021, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		4.57	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.57	A

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	2021	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	127	100.000
B		ONE HOUR	✓	139	100.000
C		ONE HOUR	✓	129	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	46	81
	B	64	0	75
	C	58	71	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	8
	B	2	0	0
	C	5	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.28	9.12	0.4	A	128	191
C-AB	0.14	6.90	0.2	A	71	107
C-A					47	70
A-B					42	63
A-C					74	111

Main Results for each time segment

16:45 - 17:00

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	105	26	566	0.185	104	0.0	0.2	7.844	A
C-AB	57	14	626	0.092	57	0.0	0.1	6.578	A
C-A	40	10			40				
A-B	35	9			35				
A-C	61	15			61				

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	125	31	560	0.223	125	0.2	0.3	8.343	A
C-AB	70	17	628	0.111	70	0.1	0.1	6.709	A
C-A	46	12			46				
A-B	41	10			41				
A-C	73	18			73				

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	153	38	552	0.277	153	0.3	0.4	9.097	A
C-AB	87	22	631	0.138	87	0.1	0.2	6.892	A
C-A	55	14			55				
A-B	51	13			51				
A-C	89	22			89				

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	153	38	552	0.278	153	0.4	0.4	9.116	A
C-AB	87	22	631	0.138	87	0.2	0.2	6.897	A
C-A	55	14			55				
A-B	51	13			51				
A-C	89	22			89				

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	125	31	560	0.223	125	0.4	0.3	8.366	A
C-AB	70	17	628	0.111	70	0.2	0.1	6.717	A
C-A	46	12			46				
A-B	41	10			41				
A-C	73	18			73				

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	105	26	566	0.185	105	0.3	0.2	7.884	A
C-AB	57	14	626	0.092	58	0.1	0.1	6.590	A
C-A	40	10			40				
A-B	35	9			35				
A-C	61	15			61				

2026, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		3.20	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.20	A

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	2026	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	97	100.000
B		ONE HOUR	✓	86	100.000
C		ONE HOUR	✓	103	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	41	56
	B	29	0	57
	C	64	39	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	7
	B	0	0	2
	C	8	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	7.42	0.2	A	79	118
C-AB	0.08	6.44	0.1	A	40	59
C-A					55	82
A-B					38	56
A-C					51	77

Main Results for each time segment

07:45 - 08:00

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	65	16	596	0.109	64	0.0	0.1	6.859	A
C-AB	32	8	634	0.050	32	0.0	0.1	6.343	A
C-A	46	11			46				
A-B	31	8			31				
A-C	42	11			42				

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	77	19	592	0.131	77	0.1	0.2	7.087	A
C-AB	39	10	637	0.061	39	0.1	0.1	6.383	A
C-A	54	14			54				
A-B	37	9			37				
A-C	50	13			50				

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	95	24	586	0.162	95	0.2	0.2	7.415	A
C-AB	48	12	642	0.075	48	0.1	0.1	6.440	A
C-A	65	16			65				
A-B	45	11			45				
A-C	62	15			62				

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	95	24	586	0.162	95	0.2	0.2	7.418	A
C-AB	48	12	642	0.075	48	0.1	0.1	6.444	A
C-A	65	16			65				
A-B	45	11			45				
A-C	62	15			62				

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	77	19	592	0.131	77	0.2	0.2	7.095	A
C-AB	39	10	637	0.061	39	0.1	0.1	6.390	A
C-A	54	14			54				
A-B	37	9			37				
A-C	50	13			50				

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	65	16	596	0.109	65	0.2	0.1	6.873	A
C-AB	32	8	634	0.050	32	0.1	0.1	6.348	A
C-A	46	11			46				
A-B	31	8			31				
A-C	42	11			42				

2026, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		4.63	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.63	A

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	2026	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	133	100.000
B		ONE HOUR	✓	144	100.000
C		ONE HOUR	✓	134	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	48	85
	B	66	0	78
	C	60	74	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	8
	B	2	0	0
	C	5	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.29	9.28	0.4	A	132	198
C-AB	0.14	6.95	0.2	A	75	112
C-A					48	72
A-B					44	66
A-C					78	117

Main Results for each time segment

16:45 - 17:00

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	108	27	565	0.192	107	0.0	0.2	7.924	A
C-AB	60	15	626	0.096	60	0.0	0.1	6.608	A
C-A	41	10			41				
A-B	36	9			36				
A-C	64	16			64				

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	129	32	559	0.232	129	0.2	0.3	8.454	A
C-AB	73	18	628	0.116	73	0.1	0.1	6.746	A
C-A	48	12			48				
A-B	43	11			43				
A-C	76	19			76				

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	159	40	550	0.288	158	0.3	0.4	9.264	A
C-AB	91	23	631	0.144	91	0.1	0.2	6.940	A
C-A	56	14			56				
A-B	53	13			53				
A-C	94	23			94				

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	159	40	550	0.288	159	0.4	0.4	9.283	A
C-AB	91	23	631	0.144	91	0.2	0.2	6.947	A
C-A	56	14			56				
A-B	53	13			53				
A-C	94	23			94				

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	129	32	559	0.232	130	0.4	0.3	8.480	A
C-AB	73	18	628	0.116	73	0.2	0.2	6.755	A
C-A	48	12			48				
A-B	43	11			43				
A-C	76	19			76				

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	108	27	565	0.192	109	0.3	0.2	7.968	A
C-AB	60	15	626	0.096	60	0.2	0.1	6.623	A
C-A	41	10			41				
A-B	36	9			36				
A-C	64	16			64				

2026 + Committed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		3.20	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.20	A

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	2026 + Committed	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	97	100.000
B		ONE HOUR	✓	86	100.000
C		ONE HOUR	✓	103	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	41	56
	B	29	0	57
	C	64	39	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	7
	B	0	0	2
	C	8	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	7.42	0.2	A	79	118
C-AB	0.08	6.44	0.1	A	40	59
C-A					55	82
A-B					38	56
A-C					51	77

Main Results for each time segment

07:45 - 08:00

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	65	16	596	0.109	64	0.0	0.1	6.859	A
C-AB	32	8	634	0.050	32	0.0	0.1	6.343	A
C-A	46	11			46				
A-B	31	8			31				
A-C	42	11			42				

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	77	19	592	0.131	77	0.1	0.2	7.087	A
C-AB	39	10	637	0.061	39	0.1	0.1	6.383	A
C-A	54	14			54				
A-B	37	9			37				
A-C	50	13			50				

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	95	24	586	0.162	95	0.2	0.2	7.415	A
C-AB	48	12	642	0.075	48	0.1	0.1	6.440	A
C-A	65	16			65				
A-B	45	11			45				
A-C	62	15			62				

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	95	24	586	0.162	95	0.2	0.2	7.418	A
C-AB	48	12	642	0.075	48	0.1	0.1	6.444	A
C-A	65	16			65				
A-B	45	11			45				
A-C	62	15			62				

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	77	19	592	0.131	77	0.2	0.2	7.095	A
C-AB	39	10	637	0.061	39	0.1	0.1	6.390	A
C-A	54	14			54				
A-B	37	9			37				
A-C	50	13			50				

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	65	16	596	0.109	65	0.2	0.1	6.873	A
C-AB	32	8	634	0.050	32	0.1	0.1	6.348	A
C-A	46	11			46				
A-B	31	8			31				
A-C	42	11			42				

2026 + Committed, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		4.63	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.63	A

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	2026 + Committed	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	133	100.000
B		ONE HOUR	✓	144	100.000
C		ONE HOUR	✓	134	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	48	85
	B	66	0	78
	C	60	74	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	8
	B	2	0	0
	C	5	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.29	9.28	0.4	A	132	198
C-AB	0.14	6.95	0.2	A	75	112
C-A					48	72
A-B					44	66
A-C					78	117

Main Results for each time segment

16:45 - 17:00

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	108	27	565	0.192	107	0.0	0.2	7.924	A
C-AB	60	15	626	0.096	60	0.0	0.1	6.608	A
C-A	41	10			41				
A-B	36	9			36				
A-C	64	16			64				

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	129	32	559	0.232	129	0.2	0.3	8.454	A
C-AB	73	18	628	0.116	73	0.1	0.1	6.746	A
C-A	48	12			48				
A-B	43	11			43				
A-C	76	19			76				

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	159	40	550	0.288	158	0.3	0.4	9.264	A
C-AB	91	23	631	0.144	91	0.1	0.2	6.940	A
C-A	56	14			56				
A-B	53	13			53				
A-C	94	23			94				

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	159	40	550	0.288	159	0.4	0.4	9.283	A
C-AB	91	23	631	0.144	91	0.2	0.2	6.947	A
C-A	56	14			56				
A-B	53	13			53				
A-C	94	23			94				

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	129	32	559	0.232	130	0.4	0.3	8.480	A
C-AB	73	18	628	0.116	73	0.2	0.2	6.755	A
C-A	48	12			48				
A-B	43	11			43				
A-C	76	19			76				

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	108	27	565	0.192	109	0.3	0.2	7.968	A
C-AB	60	15	626	0.096	60	0.2	0.1	6.623	A
C-A	41	10			41				
A-B	36	9			36				
A-C	64	16			64				

2026 + Com + Dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		6.67	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.67	A

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	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	108	100.000
B		ONE HOUR	✓	217	100.000
C		ONE HOUR	✓	108	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	52	56
	B	122	0	95
	C	64	44	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	7
	B	0	0	2
	C	8	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.44	11.84	0.8	B	199	299
C-AB	0.09	6.54	0.1	A	45	67
C-A					54	82
A-B					48	72
A-C					51	77

Main Results for each time segment

07:45 - 08:00

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	163	41	557	0.293	162	0.0	0.4	9.147	A
C-AB	36	9	632	0.057	36	0.0	0.1	6.402	A
C-A	45	11			45				
A-B	39	10			39				
A-C	42	11			42				

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	195	49	552	0.353	195	0.4	0.5	10.134	B
C-AB	44	11	635	0.069	43	0.1	0.1	6.459	A
C-A	54	13			54				
A-B	47	12			47				
A-C	50	13			50				

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	239	60	546	0.438	238	0.5	0.8	11.770	B
C-AB	54	14	639	0.085	54	0.1	0.1	6.536	A
C-A	64	16			64				
A-B	57	14			57				
A-C	62	15			62				

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	239	60	546	0.438	239	0.8	0.8	11.836	B
C-AB	54	14	639	0.085	54	0.1	0.1	6.540	A
C-A	64	16			64				
A-B	57	14			57				
A-C	62	15			62				

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	195	49	552	0.353	196	0.8	0.6	10.217	B
C-AB	44	11	635	0.069	44	0.1	0.1	6.464	A
C-A	54	13			54				
A-B	47	12			47				
A-C	50	13			50				

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	163	41	557	0.293	164	0.6	0.4	9.249	A
C-AB	36	9	632	0.057	36	0.1	0.1	6.410	A
C-A	45	11			45				
A-B	39	10			39				
A-C	42	11			42				

2026 + Com + Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.27	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.27	A

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	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	213	100.000
B		ONE HOUR	✓	182	100.000
C		ONE HOUR	✓	167	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	128	85
	B	93	0	89
	C	60	107	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	8
	B	2	0	0
	C	5	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.38	11.21	0.6	B	167	251
C-AB	0.22	7.80	0.3	A	108	162
C-A					45	68
A-B					117	176
A-C					78	117

Main Results for each time segment

16:45 - 17:00

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	137	34	546	0.251	136	0.0	0.3	8.843	A
C-AB	87	22	614	0.142	86	0.0	0.2	7.094	A
C-A	39	10			39				
A-B	96	24			96				
A-C	64	16			64				

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	164	41	537	0.305	163	0.3	0.4	9.721	A
C-AB	106	26	613	0.172	105	0.2	0.2	7.375	A
C-A	45	11			45				
A-B	115	29			115				
A-C	76	19			76				

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	200	50	525	0.382	200	0.4	0.6	11.160	B
C-AB	132	33	613	0.216	132	0.2	0.3	7.792	A
C-A	52	13			52				
A-B	141	35			141				
A-C	94	23			94				

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	200	50	525	0.382	200	0.6	0.6	11.208	B
C-AB	132	33	613	0.216	132	0.3	0.3	7.802	A
C-A	52	13			52				
A-B	141	35			141				
A-C	94	23			94				

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	164	41	537	0.305	164	0.6	0.4	9.782	A
C-AB	106	26	613	0.172	106	0.3	0.2	7.393	A
C-A	45	11			45				
A-B	115	29			115				
A-C	76	19			76				

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	137	34	545	0.251	137	0.4	0.3	8.922	A
C-AB	87	22	614	0.142	87	0.2	0.2	7.119	A
C-A	39	10			39				
A-B	96	24			96				
A-C	64	16			64				

2036 + Com + Dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		6.74	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.74	A

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	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	115	100.000
B		ONE HOUR	✓	223	100.000
C		ONE HOUR	✓	115	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	55	60
	B	124	0	99
	C	68	47	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	7
	B	0	0	2
	C	8	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.45	12.16	0.8	B	205	307
C-AB	0.09	6.57	0.1	A	48	72
C-A					58	86
A-B					50	76
A-C					55	83

Main Results for each time segment

07:45 - 08:00

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	168	42	556	0.302	166	0.0	0.4	9.264	A
C-AB	38	10	633	0.061	38	0.0	0.1	6.421	A
C-A	48	12			48				
A-B	41	10			41				
A-C	45	11			45				

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	200	50	551	0.364	200	0.4	0.6	10.319	B
C-AB	47	12	636	0.074	47	0.1	0.1	6.483	A
C-A	57	14			57				
A-B	49	12			49				
A-C	54	13			54				

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	246	61	544	0.451	245	0.6	0.8	12.080	B
C-AB	59	15	641	0.092	59	0.1	0.1	6.567	A
C-A	68	17			68				
A-B	61	15			61				
A-C	66	17			66				

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	246	61	544	0.451	245	0.8	0.8	12.157	B
C-AB	59	15	641	0.092	59	0.1	0.1	6.573	A
C-A	68	17			68				
A-B	61	15			61				
A-C	66	17			66				

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	200	50	551	0.364	201	0.8	0.6	10.410	B
C-AB	47	12	636	0.074	47	0.1	0.1	6.488	A
C-A	57	14			57				
A-B	49	12			49				
A-C	54	13			54				

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	168	42	556	0.302	168	0.6	0.4	9.376	A
C-AB	39	10	633	0.061	39	0.1	0.1	6.432	A
C-A	48	12			48				
A-B	41	10			41				
A-C	45	11			45				

2036 + Com + Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		4.64	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.64	A

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	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	223	100.000
B		ONE HOUR	✓	162	100.000
C		ONE HOUR	✓	177	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	132	91
	B	67	0	95
	C	65	112	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	8
	B	2	0	0
	C	5	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.33	10.04	0.5	B	149	223
C-AB	0.23	7.90	0.3	A	114	171
C-A					48	72
A-B					121	182
A-C					84	125

Main Results for each time segment

16:45 - 17:00

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	122	30	561	0.218	121	0.0	0.3	8.234	A
C-AB	92	23	615	0.149	91	0.0	0.2	7.144	A
C-A	42	10			42				
A-B	99	25			99				
A-C	69	17			69				

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	146	36	552	0.264	145	0.3	0.4	8.920	A
C-AB	111	28	614	0.181	111	0.2	0.2	7.443	A
C-A	48	12			48				
A-B	119	30			119				
A-C	82	20			82				

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	178	45	540	0.330	178	0.4	0.5	10.010	B
C-AB	140	35	614	0.227	139	0.2	0.3	7.891	A
C-A	55	14			55				
A-B	145	36			145				
A-C	100	25			100				

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	178	45	540	0.330	178	0.5	0.5	10.041	B
C-AB	140	35	614	0.227	140	0.3	0.3	7.902	A
C-A	55	14			55				
A-B	145	36			145				
A-C	100	25			100				

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	146	36	552	0.264	146	0.5	0.4	8.959	A
C-AB	111	28	615	0.181	112	0.3	0.3	7.463	A
C-A	48	12			48				
A-B	119	30			119				
A-C	82	20			82				

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	122	30	560	0.218	122	0.4	0.3	8.292	A
C-AB	92	23	615	0.149	92	0.3	0.2	7.173	A
C-A	42	10			42				
A-B	99	25			99				
A-C	69	17			69				

T20517

Brascote Lane, Newbold Verdon



Appendix H

Barlestone Rd/Main St PICADY Assessment

Junctions 10										
PICADY 10 - Priority Intersection Module										
Version: 10.0.2.1576										
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Filename: T20517 - Main St-B582.j10

Path: C:\Users\max.law\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T20517 Brascote Lane, Newbold Verdon\Junction Assessments\Picady

Report generation date: 12/11/2021 14:25:16

»2021, AM
 »2021, PM
 »2026, AM
 »2026, PM
 »2026 + Committed, AM
 »2026 + Committed, PM
 »2026 + Com + Dev, AM
 »2026 + Com + Dev, PM
 »2036 + Com + Dev, AM
 »2036 + Com + Dev, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2021									
Stream B-AC	D1	0.5	13.07	0.31	B	D2	0.4	13.89	0.29	B
Stream C-AB		0.0	4.73	0.02	A		0.1	5.03	0.06	A
	2026									
Stream B-AC	D3	0.5	13.65	0.32	B	D4	0.5	14.61	0.31	B
Stream C-AB		0.0	4.70	0.02	A		0.1	5.02	0.07	A
	2026 + Committed									
Stream B-AC	D5	0.5	14.01	0.33	B	D6	0.5	15.24	0.32	C
Stream C-AB		0.0	4.60	0.02	A		0.1	5.02	0.07	A
	2026 + Com + Dev									
Stream B-AC	D7	1.6	24.70	0.61	C	D8	0.7	18.45	0.42	C
Stream C-AB		0.0	4.61	0.02	A		0.1	5.12	0.07	A
	2036 + Com + Dev									
Stream B-AC	D9	1.9	28.80	0.65	D	D10	0.9	20.84	0.46	C
Stream C-AB		0.0	4.55	0.02	A		0.2	5.10	0.08	A

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

File summary

File Description

Title	Barlestone Rd/Desford Rd/Main St
Location	Newbold Verdon
Site number	
Date	28/06/2021
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	HUBTRANSPORT\Max.Law
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	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75						0.85	36.00	20.00		500

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	2021	AM	ONE HOUR	07:45	09:15	15	✓
D2	2021	PM	ONE HOUR	16:45	18:15	15	✓
D3	2026	AM	ONE HOUR	07:45	09:15	15	✓
D4	2026	PM	ONE HOUR	16:45	18:15	15	✓
D5	2026 + Committed	AM	ONE HOUR	07:45	09:15	15	✓
D6	2026 + Committed	PM	ONE HOUR	16:45	18:15	15	✓
D7	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D8	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D9	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D10	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2021, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.72	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.72	A

Arms

Arms

Arm	Name	Description	Arm type
A	untitled		Major
B	untitled		Minor
C	untitled		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	7.00			250.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.92	17	45

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	552	0.096	0.243	0.153	0.347
B-C	712	0.104	0.264	-	-
C-B	719	0.266	0.266	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

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	2021	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	400	100.000
B		ONE HOUR	✓	117	100.000
C		ONE HOUR	✓	411	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	72	328
	B	90	0	27
	C	403	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	3	9
	B	4	0	14
	C	4	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.31	13.07	0.5	B	107	161
C-AB	0.02	4.73	0.0	A	13	20
C-A					364	546
A-B					66	99
A-C					301	451

Main Results for each time segment

07:45 - 08:00

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	88	22	473	0.186	87	0.0	0.2	9.888	A
C-AB	9	2	834	0.011	9	0.0	0.0	4.728	A
C-A	300	75			300				
A-B	54	14			54				
A-C	247	62			247				

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	105	26	451	0.233	105	0.2	0.3	11.028	B
C-AB	12	3	860	0.014	12	0.0	0.0	4.592	A
C-A	357	89			357				
A-B	65	16			65				
A-C	295	74			295				

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	129	32	421	0.306	128	0.3	0.5	13.023	B
C-AB	17	4	897	0.019	17	0.0	0.0	4.405	A
C-A	435	109			435				
A-B	79	20			79				
A-C	361	90			361				

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	129	32	421	0.306	129	0.5	0.5	13.071	B
C-AB	17	4	897	0.019	17	0.0	0.0	4.398	A
C-A	435	109			435				
A-B	79	20			79				
A-C	361	90			361				

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	105	26	451	0.233	106	0.5	0.3	11.082	B
C-AB	12	3	860	0.015	12	0.0	0.0	4.573	A
C-A	357	89			357				
A-B	65	16			65				
A-C	295	74			295				

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	88	22	473	0.186	88	0.3	0.2	9.954	A
C-AB	9	2	834	0.011	10	0.0	0.0	4.717	A
C-A	300	75			300				
A-B	54	14			54				
A-C	247	62			247				

2021, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.58	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.58	A

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	2021	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	555	100.000
B		ONE HOUR	✓	101	100.000
C		ONE HOUR	✓	363	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	112	443
	B	84	0	17
	C	338	25	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	3	1
	B	4	0	0
	C	2	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.29	13.89	0.4	B	93	139
C-AB	0.06	5.03	0.1	A	39	58
C-A					295	442
A-B					103	154
A-C					407	610

Main Results for each time segment

16:45 - 17:00

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	76	19	441	0.172	75	0.0	0.2	10.142	B
C-AB	28	7	776	0.036	28	0.0	0.1	5.034	A
C-A	245	61			245				
A-B	84	21			84				
A-C	334	83			334				

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	91	23	415	0.219	91	0.2	0.3	11.448	B
C-AB	37	9	791	0.046	37	0.1	0.1	4.990	A
C-A	290	72			290				
A-B	101	25			101				
A-C	398	100			398				

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	111	28	379	0.293	111	0.3	0.4	13.831	B
C-AB	51	13	813	0.063	51	0.1	0.1	4.922	A
C-A	349	87			349				
A-B	123	31			123				
A-C	488	122			488				

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	111	28	379	0.293	111	0.4	0.4	13.887	B
C-AB	51	13	813	0.063	51	0.1	0.1	4.918	A
C-A	349	87			349				
A-B	123	31			123				
A-C	488	122			488				

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	91	23	415	0.219	91	0.4	0.3	11.510	B
C-AB	37	9	791	0.046	37	0.1	0.1	4.979	A
C-A	290	72			290				
A-B	101	25			101				
A-C	398	100			398				

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	76	19	441	0.172	76	0.3	0.2	10.207	B
C-AB	28	7	776	0.036	28	0.1	0.1	5.033	A
C-A	245	61			245				
A-B	84	21			84				
A-C	334	83			334				

2026, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.80	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.80	A

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	2026	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	417	100.000
B		ONE HOUR	✓	122	100.000
C		ONE HOUR	✓	427	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	75	342
	B	94	0	28
	C	419	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	3	9
	B	4	0	14
	C	4	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.32	13.65	0.5	B	112	168
C-AB	0.02	4.70	0.0	A	13	20
C-A					378	568
A-B					69	103
A-C					314	471

Main Results for each time segment

07:45 - 08:00

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	92	23	468	0.196	91	0.0	0.3	10.106	B
C-AB	10	2	839	0.012	10	0.0	0.0	4.697	A
C-A	312	78			312				
A-B	56	14			56				
A-C	257	64			257				

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	110	27	445	0.246	109	0.3	0.3	11.357	B
C-AB	13	3	866	0.015	13	0.0	0.0	4.556	A
C-A	371	93			371				
A-B	67	17			67				
A-C	307	77			307				

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	134	34	414	0.324	134	0.3	0.5	13.591	B
C-AB	18	5	905	0.020	18	0.0	0.0	4.364	A
C-A	452	113			452				
A-B	83	21			83				
A-C	377	94			377				

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	134	34	414	0.324	134	0.5	0.5	13.650	B
C-AB	18	5	905	0.020	18	0.0	0.0	4.357	A
C-A	452	113			452				
A-B	83	21			83				
A-C	377	94			377				

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	110	27	445	0.246	110	0.5	0.4	11.423	B
C-AB	13	3	866	0.015	13	0.0	0.0	4.536	A
C-A	371	93			371				
A-B	67	17			67				
A-C	307	77			307				

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	92	23	468	0.196	92	0.4	0.3	10.182	B
C-AB	10	2	839	0.012	10	0.0	0.0	4.686	A
C-A	312	78			312				
A-B	56	14			56				
A-C	257	64			257				

2026, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.67	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.67	A

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	2026	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	577	100.000
B		ONE HOUR	✓	106	100.000
C		ONE HOUR	✓	378	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	116	461
	B	88	0	18
	C	352	26	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	3	1
	B	4	0	0
	C	2	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.31	14.61	0.5	B	97	146
C-AB	0.07	5.02	0.1	A	41	62
C-A					306	459
A-B					106	160
A-C					423	635

Main Results for each time segment

16:45 - 17:00

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	80	20	436	0.183	79	0.0	0.2	10.392	B
C-AB	30	7	779	0.038	29	0.0	0.1	5.021	A
C-A	255	64			255				
A-B	87	22			87				
A-C	347	87			347				

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	95	24	409	0.233	95	0.2	0.3	11.838	B
C-AB	39	10	795	0.049	39	0.1	0.1	4.975	A
C-A	301	75			301				
A-B	104	26			104				
A-C	414	104			414				

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	117	29	371	0.314	116	0.3	0.5	14.540	B
C-AB	55	14	819	0.067	54	0.1	0.1	4.909	A
C-A	362	90			362				
A-B	128	32			128				
A-C	508	127			508				

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	117	29	371	0.314	117	0.5	0.5	14.611	B
C-AB	55	14	819	0.067	55	0.1	0.1	4.902	A
C-A	362	90			362				
A-B	128	32			128				
A-C	508	127			508				

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	95	24	409	0.233	96	0.5	0.3	11.909	B
C-AB	39	10	795	0.049	39	0.1	0.1	4.964	A
C-A	301	75			301				
A-B	104	26			104				
A-C	414	104			414				

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	80	20	436	0.183	80	0.3	0.2	10.465	B
C-AB	30	7	779	0.038	30	0.1	0.1	5.020	A
C-A	255	64			255				
A-B	87	22			87				
A-C	347	87			347				

2026 + Committed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.77	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.77	A

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	2026 + Committed	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	422	100.000
B		ONE HOUR	✓	122	100.000
C		ONE HOUR	✓	464	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	75	347
	B	94	0	28
	C	456	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	3	9
	B	4	0	14
	C	4	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.33	14.01	0.5	B	112	168
C-AB	0.02	4.60	0.0	A	14	21
C-A					412	617
A-B					69	103
A-C					318	478

Main Results for each time segment

07:45 - 08:00

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	92	23	463	0.198	91	0.0	0.3	10.231	B
C-AB	10	3	856	0.012	10	0.0	0.0	4.596	A
C-A	339	85			339				
A-B	56	14			56				
A-C	261	65			261				

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	110	27	440	0.249	109	0.3	0.3	11.552	B
C-AB	13	3	887	0.015	13	0.0	0.0	4.443	A
C-A	404	101			404				
A-B	67	17			67				
A-C	312	78			312				

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	134	34	407	0.330	134	0.3	0.5	13.941	B
C-AB	19	5	931	0.021	19	0.0	0.0	4.236	A
C-A	492	123			492				
A-B	83	21			83				
A-C	382	96			382				

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	134	34	407	0.330	134	0.5	0.5	14.007	B
C-AB	19	5	931	0.021	19	0.0	0.0	4.229	A
C-A	492	123			492				
A-B	83	21			83				
A-C	382	96			382				

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	110	27	440	0.249	110	0.5	0.4	11.622	B
C-AB	13	3	887	0.015	13	0.0	0.0	4.422	A
C-A	404	101			404				
A-B	67	17			67				
A-C	312	78			312				

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	92	23	463	0.198	92	0.4	0.3	10.314	B
C-AB	10	3	856	0.012	10	0.0	0.0	4.585	A
C-A	339	85			339				
A-B	56	14			56				
A-C	261	65			261				

2026 + Committed, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.67	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.67	A

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	2026 + Committed	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	609	100.000
B		ONE HOUR	✓	106	100.000
C		ONE HOUR	✓	388	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	116	493
	B	88	0	18
	C	362	26	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	3	1
	B	4	0	0
	C	2	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.32	15.24	0.5	C	97	146
C-AB	0.07	5.02	0.1	A	42	63
C-A					314	471
A-B					106	160
A-C					452	679

Main Results for each time segment

16:45 - 17:00

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	80	20	429	0.186	79	0.0	0.2	10.600	B
C-AB	30	8	779	0.039	30	0.0	0.1	5.025	A
C-A	262	65			262				
A-B	87	22			87				
A-C	371	93			371				

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	95	24	400	0.238	95	0.2	0.3	12.164	B
C-AB	40	10	795	0.050	40	0.1	0.1	4.980	A
C-A	309	77			309				
A-B	104	26			104				
A-C	443	111			443				

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	117	29	361	0.324	116	0.3	0.5	15.153	C
C-AB	56	14	819	0.068	56	0.1	0.1	4.913	A
C-A	371	93			371				
A-B	128	32			128				
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-AC	117	29	361	0.324	117	0.5	0.5	15.235	C
C-AB	56	14	819	0.068	56	0.1	0.1	4.909	A
C-A	371	93			371				
A-B	128	32			128				
A-C	543	136			543				

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	95	24	400	0.238	96	0.5	0.3	12.246	B
C-AB	40	10	795	0.050	40	0.1	0.1	4.968	A
C-A	309	77			309				
A-B	104	26			104				
A-C	443	111			443				

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	80	20	429	0.186	80	0.3	0.2	10.681	B
C-AB	30	8	779	0.039	30	0.1	0.1	5.022	A
C-A	262	65			262				
A-B	87	22			87				
A-C	371	93			371				

2026 + Com + Dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		4.83	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.83	A

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	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	434	100.000
B		ONE HOUR	✓	215	100.000
C		ONE HOUR	✓	464	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	87	347
	B	187	0	28
	C	456	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	3	9
	B	4	0	14
	C	4	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.61	24.70	1.6	C	197	296
C-AB	0.02	4.61	0.0	A	14	21
C-A					412	617
A-B					80	120
A-C					318	478

Main Results for each time segment

07:45 - 08:00

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	162	40	446	0.363	160	0.0	0.6	13.095	B
C-AB	10	3	855	0.012	10	0.0	0.0	4.607	A
C-A	339	85			339				
A-B	65	16			65				
A-C	261	65			261				

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	193	48	423	0.457	192	0.6	0.9	16.356	C
C-AB	13	3	885	0.015	13	0.0	0.0	4.454	A
C-A	404	101			404				
A-B	78	20			78				
A-C	312	78			312				

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	237	59	389	0.608	234	0.9	1.5	23.917	C
C-AB	19	5	929	0.021	19	0.0	0.0	4.248	A
C-A	492	123			492				
A-B	96	24			96				
A-C	382	96			382				

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	237	59	389	0.608	237	1.5	1.6	24.697	C
C-AB	19	5	929	0.021	19	0.0	0.0	4.241	A
C-A	492	123			492				
A-B	96	24			96				
A-C	382	96			382				

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	193	48	423	0.457	196	1.6	0.9	16.901	C
C-AB	13	3	885	0.015	13	0.0	0.0	4.433	A
C-A	404	101			404				
A-B	78	20			78				
A-C	312	78			312				

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	162	40	446	0.363	163	0.9	0.6	13.423	B
C-AB	10	3	855	0.012	10	0.0	0.0	4.596	A
C-A	339	85			339				
A-B	65	16			65				
A-C	261	65			261				

2026 + Com + Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.21	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.21	A

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	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	689	100.000
B		ONE HOUR	✓	132	100.000
C		ONE HOUR	✓	388	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	196	493
	B	114	0	18
	C	362	26	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	3	1
	B	4	0	0
	C	2	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.42	18.45	0.7	C	121	182
C-AB	0.07	5.12	0.1	A	43	64
C-A					313	470
A-B					180	270
A-C					452	679

Main Results for each time segment

16:45 - 17:00

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	99	25	418	0.238	98	0.0	0.3	11.599	B
C-AB	30	8	765	0.040	30	0.0	0.1	5.119	A
C-A	262	65			262				
A-B	148	37			148				
A-C	371	93			371				

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	119	30	388	0.306	118	0.3	0.4	13.754	B
C-AB	40	10	779	0.052	40	0.1	0.1	5.086	A
C-A	309	77			309				
A-B	176	44			176				
A-C	443	111			443				

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	145	36	347	0.419	144	0.4	0.7	18.257	C
C-AB	57	14	801	0.071	57	0.1	0.1	5.040	A
C-A	370	93			370				
A-B	216	54			216				
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-AC	145	36	347	0.419	145	0.7	0.7	18.447	C
C-AB	57	14	801	0.071	57	0.1	0.1	5.034	A
C-A	370	92			370				
A-B	216	54			216				
A-C	543	136			543				

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	119	30	388	0.306	120	0.7	0.5	13.925	B
C-AB	40	10	779	0.052	41	0.1	0.1	5.076	A
C-A	308	77			308				
A-B	176	44			176				
A-C	443	111			443				

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	99	25	418	0.238	100	0.5	0.3	11.734	B
C-AB	31	8	765	0.040	31	0.1	0.1	5.115	A
C-A	262	65			262				
A-B	148	37			148				
A-C	371	93			371				

2036 + Com + Dev , AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.52	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.52	A

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	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	464	100.000
B		ONE HOUR	✓	224	100.000
C		ONE HOUR	✓	496	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	92	372
	B	194	0	30
	C	487	9	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	3	9
	B	4	0	14
	C	4	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.65	28.80	1.9	D	206	308
C-AB	0.02	4.55	0.0	A	17	25
C-A					438	657
A-B					84	127
A-C					341	512

Main Results for each time segment

07:45 - 08:00

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	169	42	438	0.385	166	0.0	0.6	13.789	B
C-AB	12	3	865	0.014	12	0.0	0.0	4.553	A
C-A	362	90			362				
A-B	69	17			69				
A-C	280	70			280				

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	201	50	413	0.488	200	0.6	1.0	17.698	C
C-AB	16	4	898	0.018	16	0.0	0.0	4.394	A
C-A	430	108			430				
A-B	83	21			83				
A-C	334	84			334				

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	247	62	377	0.654	243	1.0	1.8	27.558	D
C-AB	23	6	945	0.024	23	0.0	0.0	4.181	A
C-A	523	131			523				
A-B	101	25			101				
A-C	410	102			410				

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	247	62	377	0.654	246	1.8	1.9	28.795	D
C-AB	23	6	945	0.024	23	0.0	0.0	4.172	A
C-A	523	131			523				
A-B	101	25			101				
A-C	410	102			410				

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	201	50	413	0.488	205	1.9	1.0	18.509	C
C-AB	16	4	898	0.018	16	0.0	0.0	4.373	A
C-A	430	108			430				
A-B	83	21			83				
A-C	334	84			334				

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	169	42	438	0.385	170	1.0	0.7	14.201	B
C-AB	12	3	865	0.014	12	0.0	0.0	4.542	A
C-A	362	90			362				
A-B	69	17			69				
A-C	280	70			280				

2036 + Com + Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.46	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.46	A

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	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	733	100.000
B		ONE HOUR	✓	139	100.000
C		ONE HOUR	✓	416	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	205	528
	B	120	0	19
	C	388	28	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	3	1
	B	4	0	0
	C	2	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.46	20.84	0.9	C	128	191
C-AB	0.08	5.10	0.2	A	48	72
C-A					333	500
A-B					188	282
A-C					485	727

Main Results for each time segment

16:45 - 17:00

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	105	26	407	0.257	103	0.0	0.4	12.186	B
C-AB	34	8	771	0.044	34	0.0	0.1	5.098	A
C-A	279	70			279				
A-B	154	39			154				
A-C	398	99			398				

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	125	31	376	0.333	124	0.4	0.5	14.780	B
C-AB	45	11	787	0.058	45	0.1	0.1	5.065	A
C-A	329	82			329				
A-B	184	46			184				
A-C	475	119			475				

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	153	38	332	0.462	152	0.5	0.9	20.538	C
C-AB	65	16	812	0.081	65	0.1	0.2	5.019	A
C-A	393	98			393				
A-B	226	56			226				
A-C	581	145			581				

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	153	38	331	0.462	153	0.9	0.9	20.839	C
C-AB	65	16	812	0.081	65	0.2	0.2	5.012	A
C-A	393	98			393				
A-B	226	56			226				
A-C	581	145			581				

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	125	31	376	0.333	126	0.9	0.5	15.021	C
C-AB	45	11	787	0.058	46	0.2	0.1	5.054	A
C-A	329	82			329				
A-B	184	46			184				
A-C	475	119			475				

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	105	26	407	0.257	105	0.5	0.4	12.354	B
C-AB	34	9	771	0.044	34	0.1	0.1	5.095	A
C-A	279	70			279				
A-B	154	39			154				
A-C	398	99			398				

T20517

Brascote Lane, Newbold Verdon



Appendix I

Barlestone Rd/Dragon Ln PICADY Assessment

Junctions 10										
PICADY 10 - Priority Intersection Module										
Version: 10.0.2.1576										
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Filename: T20517 - Barlestone Rd-Dragon Ln TWO-LANES.j10

Path: C:\Users\max.law\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T20517 Brascote Lane, Newbold Verdon\Junction Assessments\Picady

Report generation date: 12/11/2021 14:31:28

»2021, AM
 »2021, PM
 »2026, AM
 »2026, PM
 »2026 + Committed, AM
 »2026 + Committed, PM
 »2026 + Com + Dev, AM
 »2026 + Com + Dev, PM
 »2036 + Com + Dev, AM
 »2036 + Com + Dev, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2021									
Stream B-C	D1	0.4	9.22	0.27	A	D2	0.3	8.90	0.20	A
Stream B-A		0.2	14.27	0.15	B		0.1	15.10	0.08	C
Stream C-AB		0.6	5.39	0.26	A		1.0	6.81	0.37	A
	2026									
Stream B-C	D3	0.4	9.50	0.28	A	D4	0.3	9.13	0.21	A
Stream B-A		0.2	14.80	0.16	B		0.1	15.80	0.09	C
Stream C-AB		0.7	5.45	0.27	A		1.1	7.05	0.39	A
	2026 + Committed									
Stream B-C	D5	0.4	9.58	0.29	A	D6	0.3	9.44	0.23	A
Stream B-A		0.2	15.33	0.17	C		0.1	16.48	0.09	C
Stream C-AB		0.8	5.49	0.30	A		1.2	7.20	0.41	A
	2026 + Com + Dev									
Stream B-C	D7	0.6	10.78	0.37	B	D8	0.3	9.77	0.25	A
Stream B-A		0.2	15.42	0.17	C		0.1	17.40	0.10	C
Stream C-AB		0.8	5.58	0.31	A		1.6	8.58	0.50	A
	2036 + Com + Dev									
Stream B-C	D9	0.6	11.53	0.40	B	D10	0.4	10.34	0.27	B
Stream B-A		0.2	16.78	0.19	C		0.1	19.26	0.11	C
Stream C-AB		1.0	5.79	0.35	A		2.1	9.53	0.56	A

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

File summary

File Description

Title	Barlestone Rd (B582)/Dragon Ln TWO-LANES
Location	Newbold Verdon
Site number	
Date	23/08/2021
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	HUBTRANSPORT\Max.Law
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	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75						0.85	36.00	20.00		500

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	2021	AM	ONE HOUR	07:45	09:15	15	✓
D2	2021	PM	ONE HOUR	16:45	18:15	15	✓
D3	2026	AM	ONE HOUR	07:45	09:15	15	✓
D4	2026	PM	ONE HOUR	16:45	18:15	15	✓
D5	2026 + Committed	AM	ONE HOUR	07:45	09:15	15	✓
D6	2026 + Committed	PM	ONE HOUR	16:45	18:15	15	✓
D7	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D8	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D9	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D10	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2021, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.56	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.56	A

Arms

Arms

Arm	Name	Description	Arm type
A	untitled		Major
B	untitled		Minor
C	untitled		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	7.00			200.0	✓	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	Lane Width (Left) (m)	Lane Width (Right) (m)	Visibility to left (m)	Visibility to right (m)
B	Two lanes	2.98	2.36	50	50

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	485	0.085	0.214	0.134	0.305
B-C	654	0.096	0.242	-	-
C-B	690	0.256	0.256	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

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	2021	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	378	100.000
B		ONE HOUR	✓	173	100.000
C		ONE HOUR	✓	555	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	21	357
	B	42	0	131
	C	458	97	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	7
	B	0	0	0
	C	5	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.27	9.22	0.4	A	120	180
B-A	0.15	14.27	0.2	B	39	58
C-AB	0.26	5.39	0.6	A	175	263
C-A					334	501
A-B					19	29
A-C					328	491

Main Results for each time segment

07:45 - 08:00

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	99	25	574	0.172	98	0.0	0.2	7.541	A
B-A	32	8	358	0.088	31	0.0	0.1	11.010	B
C-AB	124	31	844	0.146	122	0.0	0.3	5.089	A
C-A	294	74			294				
A-B	16	4			16				
A-C	269	67			269				

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	118	29	558	0.211	118	0.2	0.3	8.168	A
B-A	38	9	333	0.113	38	0.1	0.1	12.188	B
C-AB	165	41	877	0.188	165	0.3	0.4	5.165	A
C-A	334	83			334				
A-B	19	5			19				
A-C	321	80			321				

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	144	36	535	0.270	144	0.3	0.4	9.198	A
B-A	46	12	299	0.155	46	0.1	0.2	14.243	B
C-AB	236	59	925	0.255	235	0.4	0.6	5.361	A
C-A	375	94			375				
A-B	23	6			23				
A-C	393	98			393				

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	144	36	535	0.270	144	0.4	0.4	9.219	A
B-A	46	12	298	0.155	46	0.2	0.2	14.274	B
C-AB	237	59	925	0.256	236	0.6	0.6	5.385	A
C-A	375	94			375				
A-B	23	6			23				
A-C	393	98			393				

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	118	29	558	0.211	118	0.4	0.3	8.193	A
B-A	38	9	333	0.114	38	0.2	0.1	12.228	B
C-AB	165	41	878	0.189	166	0.6	0.4	5.206	A
C-A	333	83			333				
A-B	19	5			19				
A-C	321	80			321				

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	99	25	574	0.172	99	0.3	0.2	7.576	A
B-A	32	8	357	0.088	32	0.1	0.1	11.057	B
C-AB	124	31	844	0.147	125	0.4	0.3	5.124	A
C-A	294	73			294				
A-B	16	4			16				
A-C	269	67			269				

2021, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.43	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.43	A

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	2021	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	523	100.000
B		ONE HOUR	✓	113	100.000
C		ONE HOUR	✓	540	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	24	499
	B	19	0	94
	C	404	136	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	6	2
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.20	8.90	0.3	A	86	129
B-A	0.08	15.10	0.1	C	17	26
C-AB	0.37	6.81	1.0	A	234	351
C-A					261	392
A-B					22	33
A-C					458	687

Main Results for each time segment

16:45 - 17:00

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	71	18	555	0.127	70	0.0	0.1	7.410	A
B-A	14	4	331	0.043	14	0.0	0.0	11.343	B
C-AB	166	41	794	0.209	164	0.0	0.4	5.780	A
C-A	241	60			241				
A-B	18	5			18				
A-C	376	94			376				

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	85	21	536	0.158	84	0.1	0.2	7.977	A
B-A	17	4	301	0.057	17	0.0	0.1	12.670	B
C-AB	221	55	818	0.270	220	0.4	0.6	6.100	A
C-A	265	66			265				
A-B	22	5			22				
A-C	449	112			449				

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	103	26	508	0.204	103	0.2	0.3	8.892	A
B-A	21	5	260	0.081	21	0.1	0.1	15.069	C
C-AB	314	79	854	0.368	313	0.6	0.9	6.762	A
C-A	280	70			280				
A-B	26	7			26				
A-C	549	137			549				

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	103	26	508	0.204	103	0.3	0.3	8.904	A
B-A	21	5	259	0.081	21	0.1	0.1	15.099	C
C-AB	315	79	855	0.369	315	0.9	1.0	6.808	A
C-A	280	70			280				
A-B	26	7			26				
A-C	549	137			549				

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	85	21	535	0.158	85	0.3	0.2	7.994	A
B-A	17	4	301	0.057	17	0.1	0.1	12.707	B
C-AB	222	55	819	0.270	223	1.0	0.6	6.160	A
C-A	264	66			264				
A-B	22	5			22				
A-C	449	112			449				

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	71	18	555	0.127	71	0.2	0.1	7.436	A
B-A	14	4	331	0.043	14	0.1	0.0	11.381	B
C-AB	167	42	794	0.210	168	0.6	0.4	5.834	A
C-A	240	60			240				
A-B	18	5			18				
A-C	376	94			376				

2026, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.65	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.65	A

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	2026	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	394	100.000
B		ONE HOUR	✓	180	100.000
C		ONE HOUR	✓	578	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	22	372
	B	43	0	137
	C	477	101	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	7
	B	0	0	0
	C	5	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.28	9.50	0.4	A	126	189
B-A	0.16	14.80	0.2	B	39	59
C-AB	0.27	5.45	0.7	A	188	282
C-A					342	514
A-B					20	30
A-C					341	512

Main Results for each time segment

07:45 - 08:00

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	103	26	571	0.181	102	0.0	0.2	7.664	A
B-A	32	8	353	0.092	32	0.0	0.1	11.216	B
C-AB	132	33	851	0.155	130	0.0	0.3	5.099	A
C-A	304	76			304				
A-B	17	4			17				
A-C	280	70			280				

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	123	31	554	0.222	123	0.2	0.3	8.344	A
B-A	39	10	327	0.118	39	0.1	0.1	12.496	B
C-AB	177	44	886	0.200	176	0.3	0.4	5.192	A
C-A	343	86			343				
A-B	20	5			20				
A-C	334	84			334				

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	151	38	530	0.285	150	0.3	0.4	9.478	A
B-A	47	12	291	0.163	47	0.1	0.2	14.757	B
C-AB	255	64	936	0.272	254	0.4	0.7	5.426	A
C-A	382	95			382				
A-B	24	6			24				
A-C	410	102			410				

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	151	38	530	0.285	151	0.4	0.4	9.503	A
B-A	47	12	291	0.163	47	0.2	0.2	14.798	B
C-AB	255	64	936	0.273	255	0.7	0.7	5.451	A
C-A	381	95			381				
A-B	24	6			24				
A-C	410	102			410				

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	123	31	554	0.222	124	0.4	0.3	8.376	A
B-A	39	10	326	0.119	39	0.2	0.1	12.538	B
C-AB	177	44	886	0.200	178	0.7	0.4	5.239	A
C-A	342	86			342				
A-B	20	5			20				
A-C	334	84			334				

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	571	0.181	103	0.3	0.2	7.703	A
B-A	32	8	352	0.092	33	0.1	0.1	11.269	B
C-AB	132	33	851	0.155	133	0.4	0.3	5.136	A
C-A	303	76			303				
A-B	17	4			17				
A-C	280	70			280				

2026, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.56	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.56	A

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	2026	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	545	100.000
B		ONE HOUR	✓	117	100.000
C		ONE HOUR	✓	562	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	25	520
	B	20	0	97
	C	420	142	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	6	2
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.21	9.13	0.3	A	89	134
B-A	0.09	15.80	0.1	C	18	28
C-AB	0.39	7.05	1.1	A	252	377
C-A					264	396
A-B					23	34
A-C					477	716

Main Results for each time segment

16:45 - 17:00

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	73	18	551	0.133	72	0.0	0.2	7.514	A
B-A	15	4	325	0.046	15	0.0	0.0	11.604	B
C-AB	177	44	798	0.222	175	0.0	0.4	5.840	A
C-A	246	62			246				
A-B	19	5			19				
A-C	391	98			391				

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	87	22	530	0.164	87	0.2	0.2	8.118	A
B-A	18	4	293	0.061	18	0.0	0.1	13.067	B
C-AB	237	59	824	0.287	236	0.4	0.6	6.207	A
C-A	269	67			269				
A-B	22	6			22				
A-C	467	117			467				

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	107	27	501	0.213	107	0.2	0.3	9.113	A
B-A	22	6	250	0.088	22	0.1	0.1	15.763	C
C-AB	339	85	862	0.394	338	0.6	1.1	6.987	A
C-A	279	70			279				
A-B	28	7			28				
A-C	573	143			573				

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	107	27	501	0.213	107	0.3	0.3	9.127	A
B-A	22	6	250	0.088	22	0.1	0.1	15.804	C
C-AB	340	85	863	0.395	340	1.1	1.1	7.047	A
C-A	278	70			278				
A-B	28	7			28				
A-C	573	143			573				

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	87	22	530	0.164	87	0.3	0.2	8.136	A
B-A	18	4	293	0.061	18	0.1	0.1	13.110	B
C-AB	238	59	825	0.288	239	1.1	0.7	6.278	A
C-A	268	67			268				
A-B	22	6			22				
A-C	467	117			467				

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	73	18	551	0.133	73	0.2	0.2	7.542	A
B-A	15	4	324	0.046	15	0.1	0.0	11.648	B
C-AB	178	44	799	0.223	179	0.7	0.4	5.898	A
C-A	245	61			245				
A-B	19	5			19				
A-C	391	98			391				

2026 + Committed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.69	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.69	A

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	2026 + Committed	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	399	100.000
B		ONE HOUR	✓	181	100.000
C		ONE HOUR	✓	620	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	22	377
	B	43	0	138
	C	514	106	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	7
	B	0	0	0
	C	5	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.29	9.58	0.4	A	127	190
B-A	0.17	15.33	0.2	C	39	59
C-AB	0.30	5.49	0.8	A	208	313
C-A					361	541
A-B					20	30
A-C					346	519

Main Results for each time segment

07:45 - 08:00

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	104	26	570	0.182	103	0.0	0.2	7.693	A
B-A	32	8	347	0.093	32	0.0	0.1	11.417	B
C-AB	144	36	868	0.166	143	0.0	0.3	5.068	A
C-A	323	81			323				
A-B	17	4			17				
A-C	284	71			284				

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	124	31	553	0.224	124	0.2	0.3	8.389	A
B-A	39	10	320	0.121	39	0.1	0.1	12.797	B
C-AB	195	49	907	0.215	195	0.3	0.5	5.179	A
C-A	362	91			362				
A-B	20	5			20				
A-C	339	85			339				

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	152	38	528	0.288	151	0.3	0.4	9.555	A
B-A	47	12	282	0.168	47	0.1	0.2	15.281	C
C-AB	285	71	963	0.296	284	0.5	0.8	5.460	A
C-A	398	99			398				
A-B	24	6			24				
A-C	415	104			415				

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	152	38	528	0.288	152	0.4	0.4	9.581	A
B-A	47	12	282	0.168	47	0.2	0.2	15.328	C
C-AB	286	71	963	0.297	286	0.8	0.8	5.489	A
C-A	397	99			397				
A-B	24	6			24				
A-C	415	104			415				

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	124	31	552	0.225	124	0.4	0.3	8.422	A
B-A	39	10	319	0.121	39	0.2	0.1	12.847	B
C-AB	196	49	908	0.216	197	0.8	0.5	5.228	A
C-A	362	90			362				
A-B	20	5			20				
A-C	339	85			339				

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	104	26	570	0.182	104	0.3	0.2	7.736	A
B-A	32	8	346	0.093	33	0.1	0.1	11.473	B
C-AB	145	36	869	0.167	145	0.5	0.3	5.109	A
C-A	322	80			322				
A-B	17	4			17				
A-C	284	71			284				

2026 + Committed, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.61	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.61	A

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	2026 + Committed	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	577	100.000
B		ONE HOUR	✓	121	100.000
C		ONE HOUR	✓	573	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	25	552
	B	20	0	101
	C	430	143	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	6	2
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.23	9.44	0.3	A	93	139
B-A	0.09	16.48	0.1	C	18	28
C-AB	0.41	7.20	1.2	A	259	388
C-A					267	400
A-B					23	34
A-C					507	760

Main Results for each time segment

16:45 - 17:00

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	76	19	545	0.140	75	0.0	0.2	7.656	A
B-A	15	4	319	0.047	15	0.0	0.0	11.849	B
C-AB	181	45	798	0.227	179	0.0	0.4	5.880	A
C-A	250	63			250				
A-B	19	5			19				
A-C	416	104			416				

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	91	23	523	0.174	91	0.2	0.2	8.318	A
B-A	18	4	286	0.063	18	0.0	0.1	13.440	B
C-AB	243	61	825	0.295	242	0.4	0.7	6.273	A
C-A	272	68			272				
A-B	22	6			22				
A-C	496	124			496				

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	111	28	492	0.226	111	0.2	0.3	9.427	A
B-A	22	6	241	0.091	22	0.1	0.1	16.437	C
C-AB	351	88	863	0.407	349	0.7	1.1	7.132	A
C-A	280	70			280				
A-B	28	7			28				
A-C	608	152			608				

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	111	28	492	0.226	111	0.3	0.3	9.443	A
B-A	22	6	240	0.092	22	0.1	0.1	16.484	C
C-AB	352	88	864	0.408	352	1.1	1.2	7.199	A
C-A	279	70			279				
A-B	28	7			28				
A-C	608	152			608				

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	91	23	523	0.174	91	0.3	0.2	8.339	A
B-A	18	4	285	0.063	18	0.1	0.1	13.488	B
C-AB	244	61	826	0.296	246	1.2	0.7	6.352	A
C-A	271	68			271				
A-B	22	6			22				
A-C	496	124			496				

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	76	19	545	0.140	76	0.2	0.2	7.685	A
B-A	15	4	318	0.047	15	0.1	0.1	11.893	B
C-AB	182	46	799	0.228	183	0.7	0.5	5.941	A
C-A	249	62			249				
A-B	19	5			19				
A-C	416	104			416				

2026 + Com + Dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		3.12	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.12	A

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	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	399	100.000
B		ONE HOUR	✓	219	100.000
C		ONE HOUR	✓	624	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	22	377
	B	43	0	176
	C	514	110	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	7
	B	0	0	0
	C	5	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.37	10.78	0.6	B	162	242
B-A	0.17	15.42	0.2	C	39	59
C-AB	0.31	5.58	0.8	A	216	324
C-A					356	534
A-B					20	30
A-C					346	519

Main Results for each time segment

07:45 - 08:00

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	133	33	570	0.232	131	0.0	0.3	8.183	A
B-A	32	8	346	0.094	32	0.0	0.1	11.451	B
C-AB	149	37	868	0.172	148	0.0	0.3	5.107	A
C-A	320	80			320				
A-B	17	4			17				
A-C	284	71			284				

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	158	40	553	0.286	158	0.3	0.4	9.110	A
B-A	39	10	319	0.121	39	0.1	0.1	12.848	B
C-AB	203	51	907	0.223	202	0.3	0.5	5.233	A
C-A	358	90			358				
A-B	20	5			20				
A-C	339	85			339				

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	194	48	528	0.367	193	0.4	0.6	10.736	B
B-A	47	12	281	0.168	47	0.1	0.2	15.370	C
C-AB	296	74	963	0.307	295	0.5	0.8	5.547	A
C-A	391	98			391				
A-B	24	6			24				
A-C	415	104			415				

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	194	48	528	0.367	194	0.6	0.6	10.783	B
B-A	47	12	281	0.169	47	0.2	0.2	15.417	C
C-AB	296	74	963	0.308	296	0.8	0.8	5.578	A
C-A	391	98			391				
A-B	24	6			24				
A-C	415	104			415				

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	158	40	552	0.286	159	0.6	0.4	9.164	A
B-A	39	10	318	0.121	39	0.2	0.1	12.899	B
C-AB	203	51	908	0.224	204	0.8	0.5	5.282	A
C-A	358	89			358				
A-B	20	5			20				
A-C	339	85			339				

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	133	33	570	0.233	133	0.4	0.3	8.247	A
B-A	32	8	345	0.094	33	0.1	0.1	11.510	B
C-AB	150	38	869	0.173	151	0.5	0.4	5.147	A
C-A	320	80			320				
A-B	17	4			17				
A-C	284	71			284				

2026 + Com + Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		3.37	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.37	A

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	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	577	100.000
B		ONE HOUR	✓	132	100.000
C		ONE HOUR	✓	606	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	25	552
	B	20	0	112
	C	430	176	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	6	2
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.25	9.77	0.3	A	103	154
B-A	0.10	17.40	0.1	C	18	28
C-AB	0.50	8.58	1.6	A	319	478
C-A					237	356
A-B					23	34
A-C					507	760

Main Results for each time segment

16:45 - 17:00

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	84	21	545	0.155	84	0.0	0.2	7.793	A
B-A	15	4	311	0.048	15	0.0	0.1	12.152	B
C-AB	223	56	798	0.279	221	0.0	0.6	6.297	A
C-A	233	58			233				
A-B	19	5			19				
A-C	416	104			416				

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	101	25	523	0.193	100	0.2	0.2	8.517	A
B-A	18	4	277	0.065	18	0.1	0.1	13.917	B
C-AB	299	75	825	0.363	298	0.6	0.9	6.937	A
C-A	245	61			245				
A-B	22	6			22				
A-C	496	124			496				

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	123	31	492	0.251	123	0.2	0.3	9.747	A
B-A	22	6	229	0.096	22	0.1	0.1	17.327	C
C-AB	432	108	863	0.501	429	0.9	1.6	8.452	A
C-A	235	59			235				
A-B	28	7			28				
A-C	608	152			608				

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	123	31	492	0.251	123	0.3	0.3	9.769	A
B-A	22	6	229	0.096	22	0.1	0.1	17.398	C
C-AB	434	108	865	0.502	434	1.6	1.6	8.584	A
C-A	233	58			233				
A-B	28	7			28				
A-C	608	152			608				

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	523	0.193	101	0.3	0.2	8.545	A
B-A	18	4	276	0.065	18	0.1	0.1	13.985	B
C-AB	301	75	827	0.364	304	1.6	0.9	7.069	A
C-A	244	61			244				
A-B	22	6			22				
A-C	496	124			496				

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	84	21	545	0.155	85	0.2	0.2	7.828	A
B-A	15	4	310	0.049	15	0.1	0.1	12.209	B
C-AB	224	56	800	0.281	226	0.9	0.6	6.390	A
C-A	232	58			232				
A-B	19	5			19				
A-C	416	104			416				

2036 + Com + Dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		3.38	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.38	A

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	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	428	100.000
B		ONE HOUR	✓	233	100.000
C		ONE HOUR	✓	667	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	24	404
	B	47	0	186
	C	549	118	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	7
	B	0	0	0
	C	5	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.40	11.53	0.6	B	171	256
B-A	0.19	16.78	0.2	C	43	65
C-AB	0.35	5.79	1.0	A	246	369
C-A					366	549
A-B					22	33
A-C					371	556

Main Results for each time segment

07:45 - 08:00

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	140	35	563	0.249	139	0.0	0.3	8.451	A
B-A	35	9	336	0.105	35	0.0	0.1	11.936	B
C-AB	167	42	881	0.190	166	0.0	0.4	5.144	A
C-A	335	84			335				
A-B	18	5			18				
A-C	304	76			304				

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	167	42	544	0.307	167	0.3	0.4	9.522	A
B-A	42	11	307	0.138	42	0.1	0.2	13.593	B
C-AB	229	57	923	0.248	228	0.4	0.6	5.315	A
C-A	371	93			371				
A-B	22	5			22				
A-C	363	91			363				

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	205	51	517	0.396	204	0.4	0.6	11.468	B
B-A	52	13	267	0.194	51	0.2	0.2	16.708	C
C-AB	340	85	983	0.345	338	0.6	1.0	5.751	A
C-A	395	99			395				
A-B	26	7			26				
A-C	445	111			445				

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	205	51	517	0.396	205	0.6	0.6	11.533	B
B-A	52	13	266	0.194	52	0.2	0.2	16.776	C
C-AB	340	85	984	0.346	340	1.0	1.0	5.791	A
C-A	394	98			394				
A-B	26	7			26				
A-C	445	111			445				

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	167	42	544	0.307	168	0.6	0.5	9.593	A
B-A	42	11	306	0.138	43	0.2	0.2	13.666	B
C-AB	230	58	924	0.249	232	1.0	0.6	5.376	A
C-A	370	92			370				
A-B	22	5			22				
A-C	363	91			363				

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	140	35	563	0.249	140	0.5	0.3	8.529	A
B-A	35	9	336	0.105	36	0.2	0.1	12.008	B
C-AB	168	42	882	0.191	169	0.6	0.4	5.192	A
C-A	334	83			334				
A-B	18	5			18				
A-C	304	76			304				

2036 + Com + Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		3.81	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.81	A

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	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	618	100.000
B		ONE HOUR	✓	141	100.000
C		ONE HOUR	✓	648	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	27	591
	B	22	0	119
	C	462	186	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	6	2
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.27	10.34	0.4	B	109	164
B-A	0.11	19.26	0.1	C	20	30
C-AB	0.56	9.53	2.1	A	357	536
C-A					237	356
A-B					25	37
A-C					542	813

Main Results for each time segment

16:45 - 17:00

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	90	22	537	0.167	89	0.0	0.2	8.023	A
B-A	17	4	299	0.055	16	0.0	0.1	12.726	B
C-AB	246	61	808	0.304	243	0.0	0.7	6.441	A
C-A	242	61			242				
A-B	20	5			20				
A-C	445	111			445				

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	107	27	513	0.209	107	0.2	0.3	8.855	A
B-A	20	5	262	0.075	20	0.1	0.1	14.839	B
C-AB	334	83	837	0.398	332	0.7	1.0	7.238	A
C-A	249	62			249				
A-B	24	6			24				
A-C	531	133			531				

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	131	33	479	0.273	131	0.3	0.4	10.312	B
B-A	24	6	212	0.114	24	0.1	0.1	19.142	C
C-AB	490	122	880	0.556	486	1.0	2.0	9.311	A
C-A	224	56			224				
A-B	30	7			30				
A-C	651	163			651				

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	131	33	479	0.273	131	0.4	0.4	10.342	B
B-A	24	6	211	0.115	24	0.1	0.1	19.256	C
C-AB	492	123	882	0.558	492	2.0	2.1	9.528	A
C-A	221	55			221				
A-B	30	7			30				
A-C	651	163			651				

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	107	27	513	0.209	107	0.4	0.3	8.888	A
B-A	20	5	261	0.076	20	0.1	0.1	14.938	B
C-AB	336	84	840	0.400	340	2.1	1.1	7.428	A
C-A	247	62			247				
A-B	24	6			24				
A-C	531	133			531				

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	90	22	537	0.167	90	0.3	0.2	8.062	A
B-A	17	4	298	0.056	17	0.1	0.1	12.798	B
C-AB	248	62	810	0.306	249	1.1	0.7	6.553	A
C-A	240	60			240				
A-B	20	5			20				
A-C	445	111			445				

T20517

Brascote Lane, Newbold Verdon



Appendix J

Barlestone Rd/Bagworth Rd PICADY Assessment

Junctions 10									
PICADY 10 - Priority Intersection Module									
Version: 10.0.2.1576 © Copyright TRL Software Limited, 2021									
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Filename: T20517 - Barlestone Rd-Bagworth Rd TWO-LANES.j10

Path: C:\Users\max.law\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T20517 Brascote Lane, Newbold Verdon\Junction Assessments\Picady

Report generation date: 12/11/2021 15:51:07

»2021, AM
 »2021, PM
 »2026, AM
 »2026, PM
 »2026 + Committed, AM
 »2026 + Committed, PM
 »2026 + Com + Dev, AM
 »2026 + Com + Dev, PM
 »2036 + Com + Dev, AM
 »2036 + Com + Dev, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2021									
Stream B-C	D1	0.7	9.61	0.40	A	D2	0.7	9.55	0.41	A
Stream B-A		0.0	9.78	0.04	A		0.1	10.32	0.08	B
Stream C-AB		0.8	8.48	0.40	A		1.0	7.98	0.44	A
	2026									
Stream B-C	D3	0.7	9.96	0.42	A	D4	0.7	9.87	0.43	A
Stream B-A		0.0	10.00	0.04	A		0.1	10.57	0.09	B
Stream C-AB		0.8	8.77	0.42	A		1.1	8.29	0.46	A
	2026 + Committed									
Stream B-C	D5	0.7	9.97	0.42	A	D6	0.7	9.91	0.43	A
Stream B-A		0.0	10.03	0.04	B		0.1	10.61	0.09	B
Stream C-AB		0.8	8.76	0.42	A		1.1	8.31	0.46	A
	2026 + Com + Dev									
Stream B-C	D7	0.7	10.07	0.42	B	D8	0.9	10.62	0.47	B
Stream B-A		0.0	10.33	0.04	B		0.1	10.70	0.09	B
Stream C-AB		1.0	9.56	0.47	A		1.1	8.52	0.48	A
	2036 + Com + Dev									
Stream B-C	D9	0.8	10.85	0.46	B	D10	1.0	11.47	0.50	B
Stream B-A		0.0	10.78	0.05	B		0.1	11.22	0.10	B
Stream C-AB		1.2	10.34	0.51	B		1.3	9.23	0.52	A

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

File summary

File Description

Title	Barlestone Rd (B585)/Bagworth Rd (B585) TWO-LANES
Location	Newbold Verdon
Site number	
Date	23/08/2021
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	HUBTRANSPORT\Max.Law
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	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75						0.85	36.00	20.00		500

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	2021	AM	ONE HOUR	07:45	09:15	15	✓
D2	2021	PM	ONE HOUR	16:45	18:15	15	✓
D3	2026	AM	ONE HOUR	07:45	09:15	15	✓
D4	2026	PM	ONE HOUR	16:45	18:15	15	✓
D5	2026 + Committed	AM	ONE HOUR	07:45	09:15	15	✓
D6	2026 + Committed	PM	ONE HOUR	16:45	18:15	15	✓
D7	2026 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D8	2026 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D9	2036 + Com + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D10	2036 + Com + Dev	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2021, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.50	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.50	A

Arms

Arms

Arm	Name	Description	Arm type
A	untitled		Major
B	untitled		Minor
C	untitled		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.00			250.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane Width (Left) (m)	Lane Width (Right) (m)	Visibility to left (m)	Visibility to right (m)
B	Two lanes	3.10	2.76	110	100

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	551	0.100	0.254	0.159	0.362
B-C	694	0.106	0.269	-	-
C-B	719	0.278	0.278	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

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	2021	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	245	100.000
B		ONE HOUR	✓	239	100.000
C		ONE HOUR	✓	328	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	44	201
	B	13	0	226
	C	109	219	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	4
	B	0	0	0
	C	9	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.40	9.61	0.7	A	207	311
B-A	0.04	9.78	0.0	A	12	18
C-AB	0.40	8.48	0.8	A	235	352
C-A					66	99
A-B					40	61
A-C					184	277

Main Results for each time segment

07:45 - 08:00

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	170	43	646	0.263	169	0.0	0.4	7.524	A
B-A	10	2	436	0.022	10	0.0	0.0	8.439	A
C-AB	186	47	719	0.259	185	0.0	0.4	6.784	A
C-A	61	15			61				
A-B	33	8			33				
A-C	151	38			151				

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	203	51	636	0.319	203	0.4	0.5	8.292	A
B-A	12	3	413	0.028	12	0.0	0.0	8.960	A
C-AB	228	57	720	0.317	228	0.4	0.5	7.388	A
C-A	67	17			67				
A-B	40	10			40				
A-C	181	45			181				

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	249	62	623	0.399	248	0.5	0.7	9.576	A
B-A	14	4	383	0.037	14	0.0	0.0	9.773	A
C-AB	290	72	721	0.402	289	0.5	0.8	8.424	A
C-A	71	18			71				
A-B	48	12			48				
A-C	221	55			221				

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	249	62	623	0.399	249	0.7	0.7	9.614	A
B-A	14	4	382	0.037	14	0.0	0.0	9.783	A
C-AB	290	72	721	0.402	290	0.8	0.8	8.477	A
C-A	71	18			71				
A-B	48	12			48				
A-C	221	55			221				

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	203	51	636	0.319	204	0.7	0.5	8.339	A
B-A	12	3	413	0.028	12	0.0	0.0	8.972	A
C-AB	228	57	720	0.317	229	0.8	0.5	7.458	A
C-A	67	17			67				
A-B	40	10			40				
A-C	181	45			181				

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	170	43	646	0.263	171	0.5	0.4	7.583	A
B-A	10	2	435	0.022	10	0.0	0.0	8.457	A
C-AB	186	47	719	0.259	187	0.5	0.4	6.847	A
C-A	61	15			61				
A-B	33	8			33				
A-C	151	38			151				

2021, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.92	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.92	A

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	2021	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	148	100.000
B		ONE HOUR	✓	266	100.000
C		ONE HOUR	✓	436	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	10	138
	B	29	0	237
	C	201	235	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	6
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.41	9.55	0.7	A	217	326
B-A	0.08	10.32	0.1	B	27	40
C-AB	0.44	7.98	1.0	A	283	425
C-A					117	175
A-B					9	14
A-C					127	190

Main Results for each time segment

16:45 - 17:00

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	178	45	657	0.272	177	0.0	0.4	7.481	A
B-A	22	5	435	0.050	22	0.0	0.1	8.696	A
C-AB	219	55	781	0.281	218	0.0	0.5	6.412	A
C-A	109	27			109				
A-B	8	2			8				
A-C	104	26			104				

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	213	53	649	0.328	213	0.4	0.5	8.242	A
B-A	26	7	412	0.063	26	0.1	0.1	9.316	A
C-AB	274	68	794	0.345	273	0.5	0.6	6.955	A
C-A	118	30			118				
A-B	9	2			9				
A-C	124	31			124				

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	261	65	638	0.409	260	0.5	0.7	9.508	A
B-A	32	8	381	0.084	32	0.1	0.1	10.301	B
C-AB	356	89	812	0.439	355	0.6	0.9	7.931	A
C-A	124	31			124				
A-B	11	3			11				
A-C	152	38			152				

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	261	65	638	0.409	261	0.7	0.7	9.546	A
B-A	32	8	381	0.084	32	0.1	0.1	10.316	B
C-AB	357	89	813	0.439	357	0.9	1.0	7.985	A
C-A	123	31			123				
A-B	11	3			11				
A-C	152	38			152				

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	213	53	649	0.328	214	0.7	0.5	8.289	A
B-A	26	7	412	0.063	26	0.1	0.1	9.336	A
C-AB	274	69	795	0.345	276	1.0	0.6	7.018	A
C-A	118	29			118				
A-B	9	2			9				
A-C	124	31			124				

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	178	45	657	0.272	179	0.5	0.4	7.545	A
B-A	22	5	435	0.050	22	0.1	0.1	8.726	A
C-AB	220	55	782	0.281	221	0.6	0.5	6.473	A
C-A	108	27			108				
A-B	8	2			8				
A-C	104	26			104				

2026, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.72	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.72	A

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	2026	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	255	100.000
B		ONE HOUR	✓	249	100.000
C		ONE HOUR	✓	341	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	46	209
	B	14	0	235
	C	113	228	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	4
	B	0	0	0
	C	9	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.42	9.96	0.7	A	216	323
B-A	0.04	10.00	0.0	A	13	19
C-AB	0.42	8.77	0.8	A	246	369
C-A					67	100
A-B					42	63
A-C					192	288

Main Results for each time segment

07:45 - 08:00

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	177	44	644	0.275	175	0.0	0.4	7.661	A
B-A	11	3	432	0.024	10	0.0	0.0	8.546	A
C-AB	195	49	719	0.271	193	0.0	0.4	6.896	A
C-A	62	16			62				
A-B	35	9			35				
A-C	157	39			157				

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	211	53	634	0.333	211	0.4	0.5	8.499	A
B-A	13	3	408	0.031	13	0.0	0.0	9.106	A
C-AB	239	60	720	0.332	238	0.4	0.6	7.557	A
C-A	68	17			68				
A-B	41	10			41				
A-C	188	47			188				

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	259	65	620	0.417	258	0.5	0.7	9.916	A
B-A	15	4	376	0.041	15	0.0	0.0	9.988	A
C-AB	304	76	721	0.421	303	0.6	0.8	8.710	A
C-A	72	18			72				
A-B	51	13			51				
A-C	230	58			230				

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	259	65	620	0.417	259	0.7	0.7	9.962	A
B-A	15	4	375	0.041	15	0.0	0.0	9.999	A
C-AB	304	76	721	0.422	304	0.8	0.8	8.771	A
C-A	71	18			71				
A-B	51	13			51				
A-C	230	58			230				

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	211	53	634	0.333	212	0.7	0.5	8.552	A
B-A	13	3	407	0.031	13	0.0	0.0	9.120	A
C-AB	239	60	720	0.332	240	0.8	0.6	7.635	A
C-A	67	17			67				
A-B	41	10			41				
A-C	188	47			188				

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	177	44	644	0.275	177	0.5	0.4	7.728	A
B-A	11	3	431	0.024	11	0.0	0.0	8.568	A
C-AB	195	49	719	0.271	196	0.6	0.4	6.968	A
C-A	62	15			62				
A-B	35	9			35				
A-C	157	39			157				

2026, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		6.15	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.15	A

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	2026	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	155	100.000
B		ONE HOUR	✓	276	100.000
C		ONE HOUR	✓	454	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	11	144
	B	30	0	246
	C	209	245	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	6
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.43	9.87	0.7	A	226	339
B-A	0.09	10.57	0.1	B	28	41
C-AB	0.46	8.29	1.1	A	299	448
C-A					118	176
A-B					10	15
A-C					132	198

Main Results for each time segment

16:45 - 17:00

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	185	46	655	0.283	184	0.0	0.4	7.613	A
B-A	23	6	430	0.052	22	0.0	0.1	8.817	A
C-AB	231	58	784	0.295	229	0.0	0.5	6.511	A
C-A	111	28			111				
A-B	8	2			8				
A-C	108	27			108				

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	221	55	647	0.342	221	0.4	0.5	8.435	A
B-A	27	7	406	0.066	27	0.1	0.1	9.483	A
C-AB	289	72	797	0.362	288	0.5	0.7	7.115	A
C-A	119	30			119				
A-B	10	2			10				
A-C	129	32			129				

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	271	68	635	0.426	270	0.5	0.7	9.828	A
B-A	33	8	374	0.088	33	0.1	0.1	10.550	B
C-AB	377	94	816	0.462	375	0.7	1.0	8.228	A
C-A	123	31			123				
A-B	12	3			12				
A-C	159	40			159				

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	271	68	635	0.426	271	0.7	0.7	9.874	A
B-A	33	8	374	0.088	33	0.1	0.1	10.570	B
C-AB	377	94	816	0.462	377	1.0	1.1	8.291	A
C-A	123	31			123				
A-B	12	3			12				
A-C	159	40			159				

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	221	55	647	0.342	222	0.7	0.5	8.490	A
B-A	27	7	406	0.066	27	0.1	0.1	9.506	A
C-AB	289	72	798	0.363	291	1.1	0.7	7.193	A
C-A	119	30			119				
A-B	10	2			10				
A-C	129	32			129				

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	185	46	655	0.283	186	0.5	0.4	7.681	A
B-A	23	6	430	0.053	23	0.1	0.1	8.849	A
C-AB	231	58	784	0.295	232	0.7	0.5	6.583	A
C-A	110	28			110				
A-B	8	2			8				
A-C	108	27			108				

2026 + Committed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.70	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.70	A

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	2026 + Committed	AM	ONE HOUR	07:45	09:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	256	100.000
B		ONE HOUR	✓	249	100.000
C		ONE HOUR	✓	345	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	46	210
	B	14	0	235
	C	117	228	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	4
	B	0	0	0
	C	9	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.42	9.97	0.7	A	216	323
B-A	0.04	10.03	0.0	B	13	19
C-AB	0.42	8.76	0.8	A	247	371
C-A					69	104
A-B					42	63
A-C					193	289

Main Results for each time segment

07:45 - 08:00

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	177	44	644	0.275	175	0.0	0.4	7.665	A
B-A	11	3	431	0.024	10	0.0	0.0	8.560	A
C-AB	196	49	721	0.271	194	0.0	0.4	6.887	A
C-A	64	16			64				
A-B	35	9			35				
A-C	158	40			158				

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	211	53	634	0.333	211	0.4	0.5	8.504	A
B-A	13	3	407	0.031	13	0.0	0.0	9.124	A
C-AB	240	60	722	0.333	240	0.4	0.6	7.547	A
C-A	70	17			70				
A-B	41	10			41				
A-C	189	47			189				

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	259	65	620	0.418	258	0.5	0.7	9.925	A
B-A	15	4	375	0.041	15	0.0	0.0	10.015	B
C-AB	306	76	723	0.423	305	0.6	0.8	8.702	A
C-A	74	18			74				
A-B	51	13			51				
A-C	231	58			231				

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	259	65	620	0.418	259	0.7	0.7	9.970	A
B-A	15	4	374	0.041	15	0.0	0.0	10.026	B
C-AB	306	77	724	0.423	306	0.8	0.8	8.765	A
C-A	74	18			74				
A-B	51	13			51				
A-C	231	58			231				

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	211	53	634	0.333	212	0.7	0.5	8.558	A
B-A	13	3	407	0.031	13	0.0	0.0	9.139	A
C-AB	240	60	722	0.333	241	0.8	0.6	7.624	A
C-A	70	17			70				
A-B	41	10			41				
A-C	189	47			189				

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	177	44	644	0.275	177	0.5	0.4	7.730	A
B-A	11	3	430	0.025	11	0.0	0.0	8.582	A
C-AB	196	49	721	0.272	196	0.6	0.4	6.960	A
C-A	64	16			64				
A-B	35	9			35				
A-C	158	40			158				

2026 + Committed, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		6.14	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.14	A

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	2026 + Committed	PM	ONE HOUR	16:45	18:15	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	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	159	100.000
B		ONE HOUR	✓	276	100.000
C		ONE HOUR	✓	455	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	11	148
	B	30	0	246
	C	210	245	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	6
	B	0	0	0
	C	3	0	0