

Junctions 10										
PICADY 10 - Priority Intersection Module										
Version: 10.1.0.1820										
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Report generation date: 09/06/2024 17:17:10

»2021, AM
»2021, PM
»2024, AM
»2024, PM
»2029, AM
»2029, PM
»2029 + Dev , AM
»2029 + 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
	2024									
Stream B-AC	D3	0.5	13.22	0.31	B	D4	0.4	14.06	0.30	B
Stream C-AB		0.0	4.72	0.02	A		0.1	5.03	0.06	A
	2029									
Stream B-AC	D7	0.5	13.85	0.33	B	D8	0.5	14.90	0.32	B
Stream C-AB		0.0	4.68	0.02	A		0.1	5.01	0.07	A
	2029 + Dev									
Stream B-AC	D9	0.6	15.09	0.38	C	D10	0.6	18.59	0.39	C
Stream C-AB		0.0	4.68	0.02	A		0.4	4.64	0.14	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	2024	AM	ONE HOUR	07:45	09:15	15	✓
D4	2024	PM	ONE HOUR	16:45	18:15	15	✓
D7	2029	AM	ONE HOUR	07:45	09:15	15	✓
D8	2029	PM	ONE HOUR	16:45	18:15	15	✓
D9	2029 + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D10	2029 + 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	✓

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

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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	✓

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

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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				

2024, 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		1.74	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.74	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
D3	2024	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	405	100.000
B		ONE HOUR	✓	118	100.000
C		ONE HOUR	✓	415	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	73	332
	B	91	0	27
	C	407	8	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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	13.22	0.5	B	108	162
C-AB	0.02	4.72	0.0	A	13	20
C-A					368	551
A-B					67	100
A-C					305	457

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	89	22	471	0.189	88	0.0	0.2	9.946	A
C-AB	10	2	835	0.011	9	0.0	0.0	4.721	A
C-A	303	76			303				
A-B	55	14			55				
A-C	250	62			250				

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	106	27	449	0.236	106	0.2	0.3	11.113	B
C-AB	13	3	861	0.015	13	0.0	0.0	4.584	A
C-A	361	90			361				
A-B	66	16			66				
A-C	298	75			298				

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	130	32	419	0.310	129	0.3	0.5	13.168	B
C-AB	18	4	899	0.020	18	0.0	0.0	4.396	A
C-A	439	110			439				
A-B	80	20			80				
A-C	366	91			366				

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	130	32	419	0.310	130	0.5	0.5	13.217	B
C-AB	18	4	899	0.020	18	0.0	0.0	4.388	A
C-A	439	110			439				
A-B	80	20			80				
A-C	366	91			366				

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	106	27	449	0.236	107	0.5	0.3	11.171	B
C-AB	13	3	861	0.015	13	0.0	0.0	4.563	A
C-A	361	90			361				
A-B	66	16			66				
A-C	298	75			298				

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	89	22	471	0.189	89	0.3	0.2	10.013	B
C-AB	10	2	835	0.011	10	0.0	0.0	4.710	A
C-A	303	76			303				
A-B	55	14			55				
A-C	250	62			250				

2024, 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		1.61	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.61	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
D4	2024	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	561	100.000
B		ONE HOUR	✓	103	100.000
C		ONE HOUR	✓	367	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	113	448
	B	85	0	18
	C	342	25	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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	0.30	14.06	0.4	B	95	142
C-AB	0.06	5.03	0.1	A	39	58
C-A					298	447
A-B					104	156
A-C					411	617

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	78	19	441	0.176	77	0.0	0.2	10.192	B
C-AB	28	7	777	0.036	28	0.0	0.1	5.027	A
C-A	248	62			248				
A-B	85	21			85				
A-C	337	84			337				

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	93	23	414	0.224	92	0.2	0.3	11.536	B
C-AB	37	9	792	0.046	37	0.1	0.1	4.981	A
C-A	293	73			293				
A-B	102	25			102				
A-C	403	101			403				

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	113	28	378	0.300	113	0.3	0.4	13.999	B
C-AB	51	13	815	0.063	51	0.1	0.1	4.914	A
C-A	353	88			353				
A-B	124	31			124				
A-C	493	123			493				

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	113	28	378	0.300	113	0.4	0.4	14.059	B
C-AB	51	13	815	0.063	51	0.1	0.1	4.911	A
C-A	353	88			353				
A-B	124	31			124				
A-C	493	123			493				

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	93	23	414	0.224	93	0.4	0.3	11.599	B
C-AB	37	9	792	0.047	37	0.1	0.1	4.972	A
C-A	293	73			293				
A-B	102	25			102				
A-C	403	101			403				

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	78	19	441	0.176	78	0.3	0.2	10.262	B
C-AB	28	7	777	0.036	28	0.1	0.1	5.026	A
C-A	248	62			248				
A-B	85	21			85				
A-C	337	84			337				

2029, 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		1.81	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.81	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
D7	2029	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	423	100.000
B		ONE HOUR	✓	123	100.000
C		ONE HOUR	✓	434	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	76	347
	B	95	0	28
	C	426	8	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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	13.85	0.5	B	113	169
C-AB	0.02	4.68	0.0	A	14	20
C-A					385	577
A-B					70	105
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	93	23	466	0.199	92	0.0	0.3	10.183	B
C-AB	10	2	842	0.012	10	0.0	0.0	4.682	A
C-A	317	79			317				
A-B	57	14			57				
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	111	28	443	0.250	110	0.3	0.3	11.465	B
C-AB	13	3	869	0.015	13	0.0	0.0	4.539	A
C-A	377	94			377				
A-B	68	17			68				
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	135	34	411	0.329	135	0.3	0.5	13.783	B
C-AB	18	5	909	0.020	18	0.0	0.0	4.344	A
C-A	460	115			460				
A-B	84	21			84				
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	135	34	411	0.329	135	0.5	0.5	13.845	B
C-AB	18	5	909	0.020	18	0.0	0.0	4.335	A
C-A	460	115			460				
A-B	84	21			84				
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	111	28	443	0.250	111	0.5	0.4	11.536	B
C-AB	13	3	869	0.015	13	0.0	0.0	4.519	A
C-A	377	94			377				
A-B	68	17			68				
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	93	23	466	0.199	93	0.4	0.3	10.257	B
C-AB	10	2	842	0.012	10	0.0	0.0	4.671	A
C-A	317	79			317				
A-B	57	14			57				
A-C	261	65			261				

2029, 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		1.69	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.69	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
D8	2029	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	588	100.000
B		ONE HOUR	✓	107	100.000
C		ONE HOUR	✓	384	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	118	470
	B	89	0	18
	C	358	26	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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	14.90	0.5	B	98	147
C-AB	0.07	5.01	0.1	A	42	62
C-A					311	466
A-B					108	162
A-C					431	647

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	81	20	433	0.186	80	0.0	0.2	10.493	B
C-AB	30	7	780	0.038	30	0.0	0.1	5.014	A
C-A	259	65			259				
A-B	89	22			89				
A-C	354	88			354				

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	96	24	406	0.237	96	0.2	0.3	11.994	B
C-AB	39	10	796	0.049	39	0.1	0.1	4.965	A
C-A	306	76			306				
A-B	106	27			106				
A-C	423	106			423				

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	118	29	367	0.321	117	0.3	0.5	14.830	B
C-AB	55	14	821	0.067	55	0.1	0.1	4.899	A
C-A	368	92			368				
A-B	130	32			130				
A-C	517	129			517				

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	118	29	367	0.321	118	0.5	0.5	14.905	B
C-AB	55	14	821	0.067	55	0.1	0.1	4.893	A
C-A	367	92			367				
A-B	130	32			130				
A-C	517	129			517				

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	96	24	406	0.237	97	0.5	0.3	12.073	B
C-AB	39	10	797	0.049	40	0.1	0.1	4.954	A
C-A	306	76			306				
A-B	106	27			106				
A-C	423	106			423				

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	81	20	433	0.186	81	0.3	0.2	10.572	B
C-AB	30	8	780	0.038	30	0.1	0.1	5.011	A
C-A	259	65			259				
A-B	89	22			89				
A-C	354	88			354				

2029 + 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		2.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.19	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	2029 + Dev	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	424	100.000
B		ONE HOUR	✓	140	100.000
C		ONE HOUR	✓	434	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	77	347
	B	112	0	28
	C	426	8	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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	0.38	15.09	0.6	C	128	193
C-AB	0.02	4.68	0.0	A	14	20
C-A					385	577
A-B					71	106
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	105	26	461	0.228	104	0.0	0.3	10.635	B
C-AB	10	2	842	0.012	10	0.0	0.0	4.683	A
C-A	317	79			317				
A-B	58	14			58				
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	126	31	438	0.287	125	0.3	0.4	12.158	B
C-AB	13	3	869	0.015	13	0.0	0.0	4.540	A
C-A	377	94			377				
A-B	69	17			69				
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	154	39	407	0.379	153	0.4	0.6	14.997	B
C-AB	18	5	909	0.020	18	0.0	0.0	4.345	A
C-A	460	115			460				
A-B	85	21			85				
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	154	39	407	0.379	154	0.6	0.6	15.092	C
C-AB	18	5	909	0.020	18	0.0	0.0	4.337	A
C-A	460	115			460				
A-B	85	21			85				
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	126	31	438	0.287	127	0.6	0.4	12.256	B
C-AB	13	3	869	0.015	13	0.0	0.0	4.521	A
C-A	377	94			377				
A-B	69	17			69				
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	105	26	461	0.228	106	0.4	0.3	10.734	B
C-AB	10	2	842	0.012	10	0.0	0.0	4.672	A
C-A	317	79			317				
A-B	58	14			58				
A-C	261	65			261				

2029 + 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		1.97	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.97	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	2029 + Dev	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	614	100.000
B		ONE HOUR	✓	114	100.000
C		ONE HOUR	✓	589	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	144	470
	B	96	0	18
	C	545	44	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	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	0.39	18.59	0.6	C	105	157
C-AB	0.14	4.64	0.4	A	93	140
C-A					447	671
A-B					132	198
A-C					431	647

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	86	21	405	0.212	85	0.0	0.3	11.581	B
C-AB	63	16	870	0.072	62	0.0	0.1	4.635	A
C-A	381	95			381				
A-B	108	27			108				
A-C	354	88			354				

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	102	26	372	0.276	102	0.3	0.4	13.768	B
C-AB	86	22	906	0.095	86	0.1	0.2	4.564	A
C-A	443	111			443				
A-B	129	32			129				
A-C	423	106			423				

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	126	31	326	0.385	125	0.4	0.6	18.408	C
C-AB	130	33	959	0.136	129	0.2	0.4	4.498	A
C-A	518	130			518				
A-B	159	40			159				
A-C	517	129			517				

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	126	31	326	0.386	125	0.6	0.6	18.586	C
C-AB	130	33	960	0.136	130	0.4	0.4	4.499	A
C-A	518	130			518				
A-B	159	40			159				
A-C	517	129			517				

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	102	26	372	0.276	103	0.6	0.4	13.920	B
C-AB	87	22	907	0.096	87	0.4	0.2	4.559	A
C-A	443	111			443				
A-B	129	32			129				
A-C	423	106			423				

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	86	21	405	0.212	86	0.4	0.3	11.700	B
C-AB	63	16	870	0.072	63	0.2	0.1	4.637	A
C-A	380	95			380				
A-B	108	27			108				
A-C	354	88			354				