

T20517

Brascote Lane, Newbold Verdon

Appendix U

Main Street/Peckleton Road/Shilton Road/Church Road – PICADY Assessment

Junctions 10									
PICADY 10 - Priority Intersection Module									
Version: 10.0.4.1693									
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Path: C:\Users\MaxLaw\OneDrive - Hub Transport Planning Ltd\Desktop\NV Juncs
Report generation date: 28/04/2023 14:07:09

- » 2023 Base, AM
- » 2023 Base, PM
- » 2024 Growth Base, AM
- » 2024 Growth Base, PM
- » 2029 Adjusted Base, AM
- » 2029 Adjusted Base, PM
- » 2029 + Dev Adjusted, AM
- » 2029 + Dev Adjusted, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2023 Base									
Stream B-ACD	D1	0.3	10.67	0.25	B	D2	0.4	10.48	0.26	B
Stream A-BCD		0.1	5.37	0.06	A		0.1	5.69	0.10	A
Stream D-AB		0.1	7.75	0.10	A		0.1	6.47	0.05	A
Stream D-BC		0.1	8.57	0.07	A		0.0	8.00	0.03	A
Stream C-ABD		0.0	6.20	0.02	A		0.0	5.61	0.00	A
	2024 Growth Base									
Stream B-ACD	D3	0.3	10.73	0.25	B	D4	0.4	10.53	0.26	B
Stream A-BCD		0.1	5.36	0.06	A		0.1	5.69	0.10	A
Stream D-AB		0.1	7.76	0.10	A		0.1	6.48	0.05	A
Stream D-BC		0.1	8.58	0.07	A		0.0	8.01	0.03	A
Stream C-ABD		0.0	6.20	0.02	A		0.0	5.61	0.00	A
	2029 Adjusted Base									
Stream B-ACD	D5	0.4	11.75	0.28	B	D6	0.4	11.03	0.26	B
Stream A-BCD		0.2	5.66	0.12	A		0.2	5.70	0.13	A
Stream D-AB		0.2	7.51	0.16	A		0.1	6.96	0.12	A
Stream D-BC		0.1	8.90	0.06	A		0.0	8.54	0.03	A
Stream C-ABD		0.0	6.09	0.02	A		0.0	5.46	0.00	A
	2029 + Dev Adjusted									
Stream B-ACD	D7	0.4	12.32	0.29	B	D8	0.4	12.96	0.30	B
Stream A-BCD		0.4	6.14	0.22	A		0.4	6.00	0.20	A
Stream D-AB		0.2	7.70	0.17	A		0.2	9.01	0.19	A
Stream D-BC		0.1	9.37	0.06	A		0.1	10.07	0.09	B
Stream C-ABD		0.0	6.19	0.02	A		0.0	5.21	0.01	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 Street/Peckleton Road/Shilton Road/Church Road
Location	Newbold Verdon
Site number	
Date	03/04/2023
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	AzureAD\MaxLaw
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	2023 Base	AM	ONE HOUR	07:45	09:15	15	✓
D2	2023 Base	PM	ONE HOUR	16:45	18:15	15	✓
D3	2024 Growth Base	AM	ONE HOUR	07:45	09:15	15	✓
D4	2024 Growth Base	PM	ONE HOUR	16:45	18:15	15	✓
D5	2029 Adjusted Base	AM	ONE HOUR	07:45	09:15	15	✓
D6	2029 Adjusted Base	PM	ONE HOUR	16:45	18:15	15	✓
D7	2029 + Dev Adjusted	AM	ONE HOUR	07:45	09:15	15	✓
D8	2029 + Dev Adjusted	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

2023 Base, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		3.98	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.98	A

Arms

Arms

Arm	Name	Description	Arm type
A	Main Street		Major
B	Peckleton Road		Minor
C	Shilton Road		Major
D	Church Road		Minor

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)
A	7.20			100.0	✓	0.00
C	7.20			115.0	✓	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)	Lane Width (Left) (m)	Lane Width (Right) (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.20			35	40
D	Two lanes		3.12	3.19	55	60

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B	Slope for D-C
A-D	632	-	-	-	-	-	-	0.232	0.331	0.232	-	-	-
B-A	519	0.090	0.226	0.226	-	-	-	0.142	0.323	-	0.226	0.226	0.113
B-C	662	0.096	0.243	-	-	-	-	-	-	-	-	-	-
B-D, nearside lane	519	0.090	0.226	0.226	-	-	-	0.142	0.323	0.142	-	-	-
B-D, offside lane	519	0.090	0.226	0.226	-	-	-	0.142	0.323	0.142	-	-	-
C-B	641	0.235	0.235	0.336	-	-	-	-	-	-	-	-	-
D-A	670	-	-	-	-	-	-	0.246	-	0.097	-	-	-
D-B, nearside lane	531	0.146	0.146	0.331	-	-	-	0.232	0.232	0.092	-	-	-
D-B, offside lane	535	0.147	0.147	0.334	-	-	-	0.234	0.234	0.092	-	-	-
D-C	535	-	0.147	0.334	0.117	0.234	0.234	0.234	0.234	0.092	-	-	-

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

Streams with no roadbed, for which slope adjustments are not needed.

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	2023 Base	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	✓	220	100.000
B		ONE HOUR	✓	101	100.000
C		ONE HOUR	✓	104	100.000
D		ONE HOUR	✓	80	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	83	108	31
	B	64	0	5	32
	C	84	9	0	11
	D	24	50	6	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	4	5	0
	B	2	0	0	0
	C	4	11	0	0
	D	0	4	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-ACD	0.25	10.67	0.3	B	93	139
A-BCD	0.06	5.37	0.1	A	38	57
A-B					72	108
A-C					92	138
D-AB	0.10	7.75	0.1	A	45	68
D-BC	0.07	8.57	0.1	A	28	42
C-ABD	0.02	6.20	0.0	A	10	14
C-D					10	15
C-A					76	114

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-ACD	76	19	476	0.180	75	0.0	0.2	9.088	A
A-BCD	29	7	707	0.041	29	0.0	0.1	5.356	A
A-B	60	15			60				
A-C	77	19			77				
D-AB	37	9	549	0.068	37	0.0	0.1	7.170	A
D-BC	23	6	489	0.047	23	0.0	0.1	7.972	A
C-ABD	8	2	647	0.012	8	0.0	0.0	6.199	A
C-D	8	2			8				
C-A	62	16			62				

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-ACD	91	23	466	0.195	91	0.2	0.2	9.705	A
A-BCD	37	9	722	0.051	36	0.1	0.1	5.304	A
A-B	71	18			71				
A-C	90	23			90				
D-AB	44	11	540	0.082	44	0.1	0.1	7.405	A
D-BC	28	7	480	0.058	28	0.1	0.1	8.216	A
C-ABD	9	2	649	0.014	9	0.0	0.0	6.196	A
C-D	10	2			10				
C-A	74	19			74				

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-ACD	111	28	453	0.246	111	0.2	0.3	10.650	B
A-BCD	48	12	743	0.064	47	0.1	0.1	5.240	A
A-B	86	21			86				
A-C	109	27			109				
D-AB	54	14	528	0.103	54	0.1	0.1	7.744	A
D-BC	34	8	467	0.072	34	0.1	0.1	8.568	A
C-ABD	12	3	651	0.018	12	0.0	0.0	6.185	A
C-D	12	3			12				
C-A	91	23			91				

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-ACD	111	28	453	0.246	111	0.3	0.3	10.672	B
A-BCD	48	12	743	0.064	48	0.1	0.1	5.247	A
A-B	85	21			85				
A-C	109	27			109				
D-AB	54	14	528	0.103	54	0.1	0.1	7.748	A
D-BC	34	8	467	0.072	34	0.1	0.1	8.571	A
C-ABD	12	3	651	0.018	12	0.0	0.0	6.179	A
C-D	12	3			12				
C-A	91	23			91				

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-ACD	91	23	466	0.195	91	0.3	0.2	9.734	A
A-BCD	37	9	722	0.051	37	0.1	0.1	5.319	A
A-B	71	18			71				
A-C	90	23			90				
D-AB	44	11	540	0.082	44	0.1	0.1	7.409	A
D-BC	28	7	480	0.058	28	0.1	0.1	8.223	A
C-ABD	9	2	648	0.014	9	0.0	0.0	6.185	A
C-D	10	2			10				
C-A	74	19			74				

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-ACD	76	19	475	0.160	76	0.2	0.2	9.137	A
A-BCD	29	7	707	0.041	29	0.1	0.1	5.368	A
A-B	60	15			60				
A-C	76	19			76				
D-AB	37	9	549	0.068	37	0.1	0.1	7.183	A
D-BC	23	6	489	0.047	23	0.1	0.1	7.982	A
C-ABD	8	2	647	0.012	8	0.0	0.0	6.198	A
C-D	8	2			8				
C-A	62	16			62				

2023 Base, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		4.15	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.15	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
D2	2023 Base	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	✓	198	100.000
B		ONE HOUR	✓	112	100.000
C		ONE HOUR	✓	85	100.000
D		ONE HOUR	✓	40	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	47	103	48
	B	63	0	11	38
	C	77	2	0	6
	D	23	9	8	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A	B	C	D
From	A	0	6	3	2
	B	0	0	0	3
	C	0	0	0	0
	D	4	0	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-ACD	0.28	10.48	0.4	B	103	154
A-BCD	0.10	5.69	0.1	A	55	83
A-B					40	59
A-C					87	130
D-AB	0.05	6.47	0.1	A	25	38
D-BC	0.03	8.00	0.0	A	11	17
C-ABD	0.00	5.61	0.0	A	2	3
C-D					5	8
C-A					70	106

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-ACD	84	21	489	0.172	83	0.0	0.2	8.942	A
A-BCD	43	11	691	0.063	43	0.0	0.1	5.679	A
A-B	33	8			33				
A-C	73	18			73				
D-AB	21	5	617	0.034	21	0.0	0.0	6.233	A
D-BC	9	2	486	0.019	9	0.0	0.0	7.545	A
C-ABD	2	0.42	643	0.003	2	0.0	0.0	5.608	A
C-D	5	1			5				
C-A	58	14			58				

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-ACD	101	25	481	0.209	100	0.2	0.3	9.542	A
A-BCD	53	13	703	0.076	53	0.1	0.1	5.672	A
A-B	39	10			39				
A-C	86	21			86				
D-AB	25	6	612	0.041	25	0.0	0.0	6.332	A
D-BC	11	3	477	0.023	11	0.0	0.0	7.732	A
C-ABD	2	0.51	644	0.003	2	0.0	0.0	5.605	A
C-D	5	1			5				
C-A	69	17			69				

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-ACD	123	31	470	0.262	123	0.3	0.4	10.459	B
A-BCD	69	17	719	0.096	69	0.1	0.1	5.666	A
A-B	47	12			47				
A-C	103	26			103				
D-AB	30	8	605	0.050	30	0.0	0.1	6.472	A
D-BC	14	3	464	0.029	14	0.0	0.0	8.001	A
C-ABD	3	0.64	646	0.004	3	0.0	0.0	5.598	A
C-D	7	2			7				
C-A	84	21			84				

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-ACD	123	31	470	0.262	123	0.4	0.4	10.481	B
A-BCD	69	17	719	0.096	69	0.1	0.1	5.673	A
A-B	47	12			47				
A-C	102	26			102				
D-AB	30	8	605	0.050	30	0.1	0.1	6.472	A
D-BC	14	3	463	0.029	14	0.0	0.0	8.002	A
C-ABD	3	0.64	646	0.004	3	0.0	0.0	5.600	A
C-D	7	2			7				
C-A	84	21			84				

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-ACD	101	25	481	0.209	101	0.4	0.3	9.572	A
A-BCD	54	13	703	0.076	54	0.1	0.1	5.682	A
A-B	39	10			39				
A-C	85	21			85				
D-AB	25	6	612	0.041	25	0.1	0.0	6.334	A
D-BC	11	3	477	0.023	11	0.0	0.0	7.736	A
C-ABD	2	0.51	644	0.003	2	0.0	0.0	5.608	A
C-D	5	1			5				
C-A	69	17			69				

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-ACD	84	21	489	0.172	85	0.3	0.2	8.992	A
A-BCD	43	11	691	0.063	43	0.1	0.1	5.691	A
A-B	33	8			33				
A-C	73	18			73				
D-AB	21	5	617	0.034	21	0.0	0.0	6.239	A
D-BC	9	2	486	0.019	9	0.0	0.0	7.550	A
C-ABD	2	0.42	643	0.003	2	0.0	0.0	5.612	A
C-D	5	1			5				
C-A	58	14			58				

2024 Growth Base, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		3.98	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.98	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 Growth Base	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	✓	222	100.000
B		ONE HOUR	✓	102	100.000
C		ONE HOUR	✓	105	100.000
D		ONE HOUR	✓	80	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	84	107	31
	B	85	0	5	32
	C	85	9	0	11
	D	24	50	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	4	5	0
	B	2	0	0	0
	C	4	11	0	0
	D	0	4	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-ACD	0.25	10.73	0.3	B	94	140
A-BCD	0.06	5.36	0.1	A	38	57
A-B					73	109
A-C					93	139
D-AB	0.10	7.76	0.1	A	45	68
D-BC	0.07	8.58	0.1	A	28	42
C-ABD	0.02	6.20	0.0	A	10	14
C-D					10	15
C-A					77	115

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-ACD	77	19	475	0.162	76	0.0	0.2	9.116	A
A-BCD	29	7	708	0.041	29	0.0	0.1	5.351	A
A-B	61	15			61				
A-C	77	19			77				
D-AB	37	9	548	0.068	37	0.0	0.1	7.175	A
D-BC	23	6	488	0.047	23	0.0	0.1	7.979	A
C-ABD	8	2	647	0.012	8	0.0	0.0	6.198	A
C-D	8	2			8				
C-A	63	16			63				

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-ACD	92	23	465	0.197	91	0.2	0.2	9.744	A
A-BCD	37	9	723	0.051	37	0.1	0.1	5.299	A
A-B	72	18			72				
A-C	91	23			91				
D-AB	44	11	540	0.082	44	0.1	0.1	7.411	A
D-BC	28	7	479	0.058	28	0.1	0.1	8.224	A
C-ABD	9	2	649	0.014	9	0.0	0.0	6.193	A
C-D	10	2			10				
C-A	75	19			75				

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-ACD	112	28	452	0.248	112	0.2	0.3	10.704	B
A-BCD	48	12	744	0.064	48	0.1	0.1	5.233	A
A-B	87	22			87				
A-C	110	28			110				
D-AB	54	14	528	0.103	54	0.1	0.1	7.752	A
D-BC	34	8	467	0.072	34	0.1	0.1	8.580	A
C-ABD	12	3	651	0.018	12	0.0	0.0	6.182	A
C-D	12	3			12				
C-A	92	23			92				

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-ACD	112	28	452	0.248	112	0.3	0.3	10.727	B
A-BCD	48	12	744	0.064	48	0.1	0.1	5.237	A
A-B	87	22			87				
A-C	110	28			110				
D-AB	54	14	528	0.103	54	0.1	0.1	7.756	A
D-BC	34	8	467	0.072	34	0.1	0.1	8.582	A
C-ABD	12	3	651	0.018	12	0.0	0.0	6.176	A
C-D	12	3			12				
C-A	92	23			92				

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-ACD	92	23	465	0.197	92	0.3	0.3	9.772	A
A-BCD	37	9	723	0.051	37	0.1	0.1	5.312	A
A-B	72	18			72				
A-C	91	23			91				
D-AB	44	11	540	0.082	44	0.1	0.1	7.415	A
D-BC	28	7	479	0.058	28	0.1	0.1	8.231	A
C-ABD	9	2	649	0.014	9	0.0	0.0	6.182	A
C-D	10	2			10				
C-A	75	19			75				

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-ACD	77	19	475	0.162	77	0.3	0.2	9.166	A
A-BCD	29	7	708	0.041	29	0.1	0.1	5.361	A
A-B	61	15			61				
A-C	77	19			77				
D-AB	37	9	548	0.068	37	0.1	0.1	7.185	A
D-BC	23	6	488	0.047	23	0.1	0.1	7.989	A
C-ABD	8	2	647	0.012	8	0.0	0.0	6.196	A
C-D	8	2			8				
C-A	63	16			63				

2024 Growth Base, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		4.16	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.16	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 Growth Base	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	✓	199	100.000
B		ONE HOUR	✓	113	100.000
C		ONE HOUR	✓	86	100.000
D		ONE HOUR	✓	40	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	47	104	48
	B	64	0	11	38
	C	78	2	0	6
	D	23	9	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	6	3	2
	B	0	0	0	3
	C	0	0	0	0
	D	4	0	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-ACD	0.26	10.53	0.4	B	104	156
A-BCD	0.10	5.69	0.1	A	55	83
A-B					40	59
A-C					88	132
D-AB	0.05	6.48	0.1	A	25	38
D-BC	0.03	8.01	0.0	A	11	17
C-ABD	0.00	5.61	0.0	A	2	3
C-D					5	8
C-A					71	107

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-ACD	85	21	489	0.174	84	0.0	0.2	8.967	A
A-BCD	43	11	691	0.063	43	0.0	0.1	5.677	A
A-B	33	8			33				
A-C	73	18			73				
D-AB	21	5	617	0.034	21	0.0	0.0	6.235	A
D-BC	9	2	486	0.019	9	0.0	0.0	7.551	A
C-ABD	2	0.42	644	0.003	2	0.0	0.0	5.605	A
C-D	5	1			5				
C-A	59	15			59				

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-ACD	102	25	481	0.211	101	0.2	0.3	9.575	A
A-BCD	54	13	703	0.076	53	0.1	0.1	5.670	A
A-B	39	10			39				
A-C	86	22			86				
D-AB	25	6	612	0.041	25	0.0	0.0	6.335	A
D-BC	11	3	476	0.023	11	0.0	0.0	7.739	A
C-ABD	2	0.51	645	0.003	2	0.0	0.0	5.601	A
C-D	5	1			5				
C-A	70	17			70				

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-ACD	124	31	470	0.265	124	0.3	0.4	10.506	B
A-BCD	69	17	720	0.096	69	0.1	0.1	5.663	A
A-B	47	12			47				
A-C	103	26			103				
D-AB	30	8	605	0.050	30	0.0	0.1	6.476	A
D-BC	14	3	463	0.030	14	0.0	0.0	8.010	A
C-ABD	3	0.64	646	0.004	3	0.0	0.0	5.593	A
C-D	7	2			7				
C-A	86	21			86				

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-ACD	124	31	470	0.265	124	0.4	0.4	10.530	B
A-BCD	69	17	720	0.096	69	0.1	0.1	5.670	A
A-B	47	12			47				
A-C	103	26			103				
D-AB	30	8	605	0.050	30	0.1	0.1	6.476	A
D-BC	14	3	463	0.030	14	0.0	0.0	8.011	A
C-ABD	3	0.64	646	0.004	3	0.0	0.0	5.596	A
C-D	7	2			7				
C-A	86	21			86				

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-ACD	102	25	481	0.211	102	0.4	0.3	9.608	A
A-BCD	54	13	703	0.076	54	0.1	0.1	5.680	A
A-B	39	10			39				
A-C	86	22			86				
D-AB	25	6	612	0.041	25	0.1	0.0	6.336	A
D-BC	11	3	476	0.023	11	0.0	0.0	7.742	A
C-ABD	2	0.51	645	0.003	2	0.0	0.0	5.602	A
C-D	5	1			5				
C-A	70	17			70				

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-ACD	85	21	489	0.174	85	0.3	0.2	9.016	A
A-BCD	43	11	691	0.063	43	0.1	0.1	5.686	A
A-B	33	8			33				
A-C	73	18			73				
D-AB	21	5	617	0.034	21	0.0	0.0	6.241	A
D-BC	9	2	486	0.019	9	0.0	0.0	7.558	A
C-ABD	2	0.42	644	0.003	2	0.0	0.0	5.607	A
C-D	5	1			5				
C-A	59	15			59				

2029 Adjusted Base, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		4.17	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.17	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	2029 Adjusted Base	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	✓	268	100.000
B		ONE HOUR	✓	109	100.000
C		ONE HOUR	✓	143	100.000
D		ONE HOUR	✓	104	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	59	151	58
	B	56	0	5	48
	C	123	9	0	11
	D	64	34	6	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A	B	C	D
From	A	0	4	5	0
	B	2	0	0	0
	C	4	11	0	0
	D	0	4	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-ACD	0.28	11.75	0.4	B	100	150
A-BCD	0.12	5.56	0.2	A	73	110
A-B					49	73
A-C					124	186
D-AB	0.16	7.51	0.2	A	75	112
D-BC	0.06	8.90	0.1	A	21	31
C-ABD	0.02	6.09	0.0	A	10	15
C-D					10	15
C-A					111	167

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-ACD	82	21	460	0.178	81	0.0	0.2	9.584	A
A-BCD	56	14	711	0.079	56	0.0	0.1	5.547	A
A-B	41	10			41				
A-C	105	26			105				
D-AB	61	15	593	0.103	61	0.0	0.1	6.809	A
D-BC	17	4	471	0.036	17	0.0	0.0	8.153	A
C-ABD	8	2	657	0.012	8	0.0	0.0	6.094	A
C-D	8	2			8				
C-A	91	23			91				

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-ACD	98	24	447	0.219	98	0.2	0.3	10.403	B
A-BCD	71	18	727	0.097	70	0.1	0.2	5.544	A
A-B	48	12			48				
A-C	123	31			123				
D-AB	73	18	585	0.125	73	0.1	0.1	7.089	A
D-BC	20	5	459	0.045	20	0.0	0.0	8.453	A
C-ABD	10	2	660	0.015	10	0.0	0.0	6.070	A
C-D	10	2			10				
C-A	109	27			109				

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-ACD	120	30	430	0.279	120	0.3	0.4	11.712	B
A-BCD	93	23	749	0.124	92	0.2	0.2	5.553	A
A-B	57	14			57				
A-C	146	36			146				
D-AB	89	22	573	0.156	89	0.1	0.2	7.506	A
D-BC	25	6	442	0.057	25	0.0	0.1	8.892	A
C-ABD	13	3	666	0.019	13	0.0	0.0	6.030	A
C-D	12	3			12				
C-A	133	33			133				

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-ACD	120	30	430	0.279	120	0.4	0.4	11.748	B
A-BCD	93	23	749	0.124	93	0.2	0.2	5.562	A
A-B	57	14			57				
A-C	146	36			146				
D-AB	89	22	573	0.156	89	0.2	0.2	7.510	A
D-BC	25	6	441	0.057	25	0.1	0.1	8.896	A
C-ABD	13	3	666	0.019	13	0.0	0.0	6.024	A
C-D	12	3			12				
C-A	133	33			133				

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-ACD	98	24	447	0.219	98	0.4	0.3	10.448	B
A-BCD	71	18	727	0.097	71	0.2	0.2	5.565	A
A-B	48	12			48				
A-C	122	31			122				
D-AB	73	18	585	0.125	73	0.2	0.1	7.100	A
D-BC	20	5	459	0.045	21	0.1	0.0	8.459	A
C-ABD	10	2	660	0.015	10	0.0	0.0	6.059	A
C-D	10	2			10				
C-A	109	27			109				

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-ACD	82	21	460	0.179	82	0.3	0.2	9.647	A
A-BCD	56	14	711	0.079	56	0.2	0.1	5.565	A
A-B	41	10			41				
A-C	105	26			105				
D-AB	61	15	593	0.103	61	0.1	0.1	6.827	A
D-BC	17	4	471	0.036	17	0.0	0.0	8.165	A
C-ABD	8	2	656	0.012	8	0.0	0.0	6.091	A
C-D	8	2			8				
C-A	91	23			91				

2029 Adjusted Base, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		3.71	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.71	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	2029 Adjusted Base	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	✓	269	100.000
B		ONE HOUR	✓	106	100.000
C		ONE HOUR	✓	147	100.000
D		ONE HOUR	✓	77	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	80	127	62
	B	39	0	12	55
	C	139	2	0	6
	D	59	10	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	6	3	2
	B	0	0	0	3
	C	0	0	0	0
	D	4	0	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-ACD	0.26	11.03	0.4	B	97	146
A-BCD	0.13	5.70	0.2	A	78	117
A-B					65	98
A-C					104	156
D-AB	0.12	6.98	0.1	A	59	88
D-BC	0.03	8.54	0.0	A	12	18
C-ABD	0.00	5.46	0.0	A	2	3
C-D					5	8
C-A					127	191

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-ACD	80	20	475	0.168	79	0.0	0.2	9.215	A
A-BCD	60	15	709	0.084	59	0.0	0.1	5.673	A
A-B	55	14			55				
A-C	88	22			88				
D-AB	48	12	622	0.078	48	0.0	0.1	6.499	A
D-BC	10	2	468	0.021	10	0.0	0.0	7.862	A
C-ABD	2	0.45	662	0.003	2	0.0	0.0	5.454	A
C-D	5	1			5				
C-A	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-ACD	95	24	464	0.206	95	0.2	0.3	9.912	A
A-BCD	75	19	725	0.104	75	0.1	0.2	5.679	A
A-B	64	16			64				
A-C	102	26			102				
D-AB	58	14	615	0.094	58	0.1	0.1	6.697	A
D-BC	12	3	454	0.026	12	0.0	0.0	8.134	A
C-ABD	2	0.56	666	0.003	2	0.0	0.0	5.419	A
C-D	5	1			5				
C-A	125	31			125				

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-ACD	117	29	448	0.280	118	0.3	0.4	11.004	B
A-BCD	98	25	747	0.132	98	0.2	0.2	5.697	A
A-B	78	19			78				
A-C	121	30			121				
D-AB	71	18	805	0.117	70	0.1	0.1	6.979	A
D-BC	14	4	436	0.033	14	0.0	0.0	8.538	A
C-ABD	3	0.72	873	0.004	3	0.0	0.0	5.368	A
C-D	7	2			7				
C-A	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-ACD	117	29	448	0.280	117	0.4	0.4	11.030	B
A-BCD	99	25	747	0.132	99	0.2	0.2	5.704	A
A-B	78	19			78				
A-C	121	30			121				
D-AB	71	18	805	0.117	71	0.1	0.1	6.982	A
D-BC	14	4	436	0.033	14	0.0	0.0	8.538	A
C-ABD	3	0.72	873	0.004	3	0.0	0.0	5.368	A
C-D	7	2			7				
C-A	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-ACD	95	24	483	0.208	96	0.4	0.3	9.947	A
A-BCD	75	19	725	0.104	75	0.2	0.2	5.692	A
A-B	64	16			64				
A-C	102	26			102				
D-AB	58	14	615	0.094	58	0.1	0.1	6.703	A
D-BC	12	3	454	0.026	12	0.0	0.0	8.138	A
C-ABD	2	0.56	886	0.003	2	0.0	0.0	5.422	A
C-D	5	1			5				
C-A	125	31			125				

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-ACD	80	20	475	0.168	80	0.3	0.2	9.269	A
A-BCD	60	15	710	0.085	60	0.2	0.1	5.688	A
A-B	55	14			55				
A-C	87	22			87				
D-AB	48	12	622	0.078	48	0.1	0.1	6.512	A
D-BC	10	2	467	0.021	10	0.0	0.0	7.871	A
C-ABD	2	0.45	882	0.003	2	0.0	0.0	5.456	A
C-D	5	1			5				
C-A	104	26			104				

2029 + Dev Adjusted, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		4.51	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.51	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 + Dev Adjusted	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	✓	332	100.000
B		ONE HOUR	✓	107	100.000
C		ONE HOUR	✓	150	100.000
D		ONE HOUR	✓	109	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	64	167	101
	B	54	0	5	48
	C	130	9	0	11
	D	69	34	6	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A	B	C	D
From	A	0	4	5	0
	B	2	0	0	0
	C	4	11	0	0
	D	0	4	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-ACD	0.29	12.32	0.4	B	98	147
A-BCD	0.22	6.14	0.4	A	131	197
A-B					48	72
A-C					125	188
D-AB	0.17	7.70	0.2	A	79	119
D-BC	0.06	9.37	0.1	A	21	31
C-ABD	0.02	6.19	0.0	A	10	16
C-D					10	15
C-A					117	176

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-ACD	81	20	449	0.180	80	0.0	0.2	9.835	A
A-BCD	100	25	720	0.139	99	0.0	0.2	5.856	A
A-B	41	10			41				
A-C	108	27			108				
D-AB	65	16	590	0.110	64	0.0	0.1	6.896	A
D-BC	17	4	457	0.038	17	0.0	0.0	8.415	A
C-ABD	8	2	646	0.013	8	0.0	0.0	6.187	A
C-D	8	2			8				
C-A	97	24			97				

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-ACD	96	24	434	0.222	96	0.2	0.3	10.760	B
A-BCD	127	32	738	0.171	126	0.2	0.3	5.956	A
A-B	48	12			48				
A-C	124	31			124				
D-AB	78	19	590	0.134	77	0.1	0.2	7.213	A
D-BC	20	5	442	0.046	20	0.0	0.0	8.794	A
C-ABD	10	3	646	0.016	10	0.0	0.0	6.181	A
C-D	10	2			10				
C-A	115	29			115				

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-ACD	118	29	413	0.285	117	0.3	0.4	12.279	B
A-BCD	167	42	763	0.219	167	0.3	0.4	6.122	A
A-B	55	14			55				
A-C	143	36			143				
D-AB	95	24	566	0.168	95	0.2	0.2	7.688	A
D-BC	25	6	421	0.059	25	0.0	0.1	9.361	A
C-ABD	13	3	651	0.020	13	0.0	0.0	6.162	A
C-D	12	3			12				
C-A	140	35			140				

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-ACD	118	29	413	0.285	118	0.4	0.4	12.319	B
A-BCD	167	42	763	0.219	167	0.4	0.4	6.141	A
A-B	55	14			55				
A-C	143	36			143				
D-AB	95	24	566	0.168	95	0.2	0.2	7.696	A
D-BC	25	6	421	0.059	25	0.1	0.1	9.365	A
C-ABD	13	3	651	0.020	13	0.0	0.0	6.158	A
C-D	12	3			12				
C-A	140	35			140				

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-ACD	96	24	433	0.222	97	0.4	0.3	10.814	B
A-BCD	127	32	739	0.172	127	0.4	0.3	5.985	A
A-B	48	12			48				
A-C	124	31			124				
D-AB	78	19	580	0.134	78	0.2	0.2	7.222	A
D-BC	20	5	442	0.046	21	0.1	0.1	8.801	A
C-ABD	10	3	648	0.016	10	0.0	0.0	6.169	A
C-D	10	2			10				
C-A	115	29			115				

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-ACD	81	20	448	0.180	81	0.3	0.2	9.906	A
A-BCD	101	25	721	0.139	101	0.3	0.2	5.887	A
A-B	41	10			41				
A-C	108	27			108				
D-AB	65	16	590	0.110	65	0.2	0.1	6.913	A
D-BC	17	4	457	0.038	17	0.1	0.0	8.429	A
C-ABD	8	2	646	0.013	8	0.0	0.0	6.183	A
C-D	8	2			8				
C-A	97	24			97				

2029 + Dev Adjusted, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		4.03	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.03	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 + Dev Adjusted	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	✓	356	100.000
B		ONE HOUR	✓	110	100.000
C		ONE HOUR	✓	252	100.000
D		ONE HOUR	✓	122	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	112	159	85
	B	28	0	5	79
	C	240	6	0	6
	D	62	52	8	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	6	3	2
	B	0	0	0	3
	C	0	0	0	0
	D	4	0	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-ACD	0.30	12.96	0.4	B	101	151
A-BCD	0.20	6.00	0.4	A	119	178
A-B					86	129
A-C					122	183
D-AB	0.19	9.01	0.2	A	81	122
D-BC	0.09	10.07	0.1	B	31	46
C-ABD	0.01	5.21	0.0	A	8	12
C-D					5	8
C-A					218	326

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-ACD	83	21	443	0.187	82	0.0	0.2	10.160	B
A-BCD	89	22	725	0.123	88	0.0	0.2	5.800	A
A-B	74	18			74				
A-C	105	26			105				
D-AB	67	17	546	0.122	66	0.0	0.1	7.703	A
D-BC	25	6	439	0.058	25	0.0	0.1	8.693	A
C-ABD	6	2	698	0.009	6	0.0	0.0	5.206	A
C-D	4	1			4				
C-A	179	45			179				

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-ACD	99	25	427	0.232	99	0.2	0.3	11.191	B
A-BCD	114	28	744	0.153	114	0.2	0.3	5.886	A
A-B	85	21			85				
A-C	121	30			121				
D-AB	80	20	530	0.150	79	0.1	0.2	8.205	A
D-BC	30	8	420	0.072	30	0.1	0.1	9.229	A
C-ABD	8	2	710	0.011	8	0.0	0.0	5.126	A
C-D	5	1			5				
C-A	213	53			213				

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-ACD	121	30	405	0.299	121	0.3	0.4	12.913	B
A-BCD	153	38	771	0.198	153	0.3	0.4	5.988	A
A-B	99	25			99				
A-C	140	35			140				
D-AB	98	24	508	0.192	97	0.2	0.2	9.001	A
D-BC	37	9	394	0.093	37	0.1	0.1	10.068	B
C-ABD	11	3	728	0.014	11	0.0	0.0	5.014	A
C-D	7	2			7				
C-A	280	65			280				

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-ACD	121	30	405	0.299	121	0.4	0.4	12.961	B
A-BCD	153	38	772	0.199	153	0.4	0.4	5.998	A
A-B	99	25			99				
A-C	140	35			140				
D-AB	98	24	508	0.192	98	0.2	0.2	9.013	A
D-BC	37	9	394	0.093	37	0.1	0.1	10.074	B
C-ABD	11	3	728	0.014	11	0.0	0.0	5.015	A
C-D	7	2			7				
C-A	280	65			280				

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-ACD	99	25	427	0.232	99	0.4	0.3	11.252	B
A-BCD	114	29	744	0.153	115	0.4	0.3	5.885	A
A-B	85	21			85				
A-C	121	30			121				
D-AB	80	20	530	0.150	80	0.2	0.2	8.221	A
D-BC	30	8	420	0.072	30	0.1	0.1	9.241	A
C-ABD	8	2	710	0.011	8	0.0	0.0	5.130	A
C-D	5	1			5				
C-A	213	53			213				

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-ACD	83	21	443	0.187	83	0.3	0.2	10.236	B
A-BCD	89	22	725	0.123	90	0.3	0.2	5.823	A
A-B	74	18			74				
A-C	105	28			105				
D-AB	67	17	546	0.122	67	0.2	0.1	7.728	A
D-BC	25	6	439	0.058	25	0.1	0.1	8.711	A
C-ABD	6	2	697	0.009	6	0.0	0.0	5.211	A
C-D	4	1			4				
C-A	179	45			179				

T20517

Brascote Lane, Newbold Verdon



Appendix V

Church Road/Barwell Lane – PICADY Assessment

Junctions 10									
PICADY 10 - Priority Intersection Module									
Version: 10.0.4.1693									
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Filename: T20517 - Church Rd-Barwell Ln PRTM.j10

Path: C:\Users\MaxLaw\OneDrive - Hub Transport Planning Ltd\Desktop\NV Juncs

Report generation date: 28/04/2023 14:08:03

- »2023 Base, AM
- »2023 Base, PM
- »2024 Growth Base, AM
- »2024 Growth Base, PM
- »2029 Adjusted Base, AM
- »2029 Adjusted Base, PM
- »2029 + Dev Adjusted, AM
- »2029 + Dev Adjusted, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2023 Base									
Stream B-AC	D1	0.2	7.99	0.14	A	D2	0.1	7.20	0.07	A
Stream C-AB		0.0	5.79	0.01	A		0.0	5.85	0.00	A
	2024 Growth Base									
Stream B-AC	D3	0.2	7.99	0.14	A	D4	0.1	7.20	0.07	A
Stream C-AB		0.0	5.79	0.01	A		0.0	5.86	0.00	A
	2029 Adjusted Base									
Stream B-AC	D5	0.2	8.63	0.19	A	D6	0.2	8.09	0.14	A
Stream C-AB		0.0	5.90	0.01	A		0.0	5.94	0.00	A
	2029 + Dev Adjusted									
Stream B-AC	D7	0.2	8.73	0.19	A	D8	0.2	8.56	0.18	A
Stream C-AB		0.0	6.02	0.01	A		0.0	6.00	0.00	A

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

28/04/2023 14:08:03

File summary

File Description

Title	Church Road/Barwell Lane
Location	Newbold Verdon
Site number	
Date	03/04/2023
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	AzureAD/MaxLaw
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	38.00	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	2023 Base	AM	ONE HOUR	07:45	09:15	15	✓
D2	2023 Base	PM	ONE HOUR	16:45	18:15	15	✓
D3	2024 Growth Base	AM	ONE HOUR	07:45	09:15	15	✓
D4	2024 Growth Base	PM	ONE HOUR	16:45	18:15	15	✓
D5	2029 Adjusted Base	AM	ONE HOUR	07:45	09:15	15	✓
D6	2029 Adjusted Base	PM	ONE HOUR	16:45	18:15	15	✓
D7	2029 + Dev Adjusted	AM	ONE HOUR	07:45	09:15	15	✓
D8	2029 + Dev Adjusted	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

2023 Base, 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		3.40	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.40	A

Arms

Arms

Arm	Name	Description	Arm type
A	Church Road (E)		Major
B	Barwell Lane		Minor
C	Church Road (W)		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	6.20			100.0	✓	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	3.40	40	35

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	528	0.098	0.243	0.153	0.347
B-C	672	0.101	0.256	-	-
C-B	632	0.243	0.243	-	-

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	2023 Base	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	✓	71	100.000
B		ONE HOUR	✓	65	100.000
C		ONE HOUR	✓	22	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	52	19
	B	60	0	5
	C	19	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	11	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	0.14	7.99	0.2	A	60	89
C-AB	0.01	5.79	0.0	A	3	4
C-A					17	28
A-B					48	72
A-C					17	28

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	49	12	527	0.093	49	0.0	0.1	7.520	A
C-AB	2	0.58	628	0.004	2	0.0	0.0	5.763	A
C-A	14	4			14				
A-B	39	10			39				
A-C	14	4			14				

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	58	15	525	0.111	58	0.1	0.1	7.714	A
C-AB	3	0.69	628	0.004	3	0.0	0.0	5.775	A
C-A	17	4			17				
A-B	47	12			47				
A-C	17	4			17				

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	72	18	522	0.137	71	0.1	0.2	7.985	A
C-AB	3	0.85	627	0.005	3	0.0	0.0	5.792	A
C-A	21	5			21				
A-B	57	14			57				
A-C	21	5			21				

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	72	18	522	0.137	72	0.2	0.2	7.989	A
C-AB	3	0.85	627	0.005	3	0.0	0.0	5.794	A
C-A	21	5			21				
A-B	57	14			57				
A-C	21	5			21				

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	58	15	525	0.111	59	0.2	0.1	7.723	A
C-AB	3	0.69	628	0.004	3	0.0	0.0	5.778	A
C-A	17	4			17				
A-B	47	12			47				
A-C	17	4			17				

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	49	12	527	0.093	49	0.1	0.1	7.535	A
C-AB	2	0.58	628	0.004	2	0.0	0.0	5.784	A
C-A	14	4			14				
A-B	39	10			39				
A-C	14	4			14				

2023 Base, 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		1.78	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.78	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	2023 Base	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	✓	88	100.000
B		ONE HOUR	✓	32	100.000
C		ONE HOUR	✓	13	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	68	20
	B	28	0	6
	C	12	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	10
	B	0	0	0
	C	8	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	0.07	7.20	0.1	A	29	44
C-AB	0.00	5.85	0.0	A	0.93	1
C-A					11	16
A-B					62	94
A-C					18	28

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	24	6	540	0.045	24	0.0	0.0	6.974	A
C-AB	0.76	0.19	622	0.001	0.76	0.0	0.0	5.802	A
C-A	9	2			9				
A-B	51	13			51				
A-C	15	4			15				

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	29	7	538	0.053	29	0.0	0.1	7.067	A
C-AB	0.91	0.23	620	0.001	0.91	0.0	0.0	5.823	A
C-A	11	3			11				
A-B	61	15			61				
A-C	18	4			18				

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	35	9	535	0.066	35	0.1	0.1	7.197	A
C-AB	1	0.28	617	0.002	1	0.0	0.0	5.852	A
C-A	13	3			13				
A-B	75	19			75				
A-C	22	6			22				

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	35	9	535	0.066	35	0.1	0.1	7.197	A
C-AB	1	0.28	617	0.002	1	0.0	0.0	5.853	A
C-A	13	3			13				
A-B	75	19			75				
A-C	22	6			22				

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	29	7	538	0.053	29	0.1	0.1	7.069	A
C-AB	0.92	0.23	620	0.001	0.92	0.0	0.0	5.827	A
C-A	11	3			11				
A-B	61	15			61				
A-C	18	4			18				

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	24	6	540	0.045	24	0.1	0.0	6.977	A
C-AB	0.76	0.19	622	0.001	0.77	0.0	0.0	5.805	A
C-A	9	2			9				
A-B	51	13			51				
A-C	15	4			15				

2024 Growth Base, 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		3.40	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.40	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
D3	2024 Growth Base	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	✓	71	100.000
B		ONE HOUR	✓	65	100.000
C		ONE HOUR	✓	22	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	52	19
	B	60	0	5
	C	19	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	0
	B	0	0	0
	C	11	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	0.14	7.99	0.2	A	60	89
C-AB	0.01	5.79	0.0	A	3	4
C-A					17	28
A-B					48	72
A-C					17	28

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	49	12	527	0.093	49	0.0	0.1	7.520	A
C-AB	2	0.58	628	0.004	2	0.0	0.0	5.763	A
C-A	14	4			14				
A-B	39	10			39				
A-C	14	4			14				

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	58	15	525	0.111	58	0.1	0.1	7.714	A
C-AB	3	0.69	628	0.004	3	0.0	0.0	5.775	A
C-A	17	4			17				
A-B	47	12			47				
A-C	17	4			17				

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	72	18	522	0.137	71	0.1	0.2	7.985	A
C-AB	3	0.85	627	0.005	3	0.0	0.0	5.792	A
C-A	21	5			21				
A-B	57	14			57				
A-C	21	5			21				

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	72	18	522	0.137	72	0.2	0.2	7.989	A
C-AB	3	0.85	627	0.005	3	0.0	0.0	5.794	A
C-A	21	5			21				
A-B	57	14			57				
A-C	21	5			21				

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	58	15	525	0.111	59	0.2	0.1	7.723	A
C-AB	3	0.69	628	0.004	3	0.0	0.0	5.778	A
C-A	17	4			17				
A-B	47	12			47				
A-C	17	4			17				

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	49	12	527	0.093	49	0.1	0.1	7.535	A
C-AB	2	0.58	628	0.004	2	0.0	0.0	5.764	A
C-A	14	4			14				
A-B	39	10			39				
A-C	14	4			14				

2024 Growth Base, 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		1.76	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.76	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 Growth Base	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	✓	89	100.000
B		ONE HOUR	✓	32	100.000
C		ONE HOUR	✓	13	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	89	20
	B	26	0	6
	C	12	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	10
	B	0	0	0
	C	8	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	0.07	7.20	0.1	A	29	44
C-AB	0.00	5.86	0.0	A	0.93	1
C-A					11	16
A-B					63	95
A-C					18	28

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	24	6	540	0.045	24	0.0	0.0	6.975	A
C-AB	0.76	0.19	622	0.001	0.76	0.0	0.0	5.804	A
C-A	9	2			9				
A-B	52	13			52				
A-C	15	4			15				

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	29	7	538	0.053	29	0.0	0.1	7.069	A
C-AB	0.92	0.23	620	0.001	0.91	0.0	0.0	5.825	A
C-A	11	3			11				
A-B	62	16			62				
A-C	18	4			18				

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	35	9	535	0.066	35	0.1	0.1	7.199	A
C-AB	1	0.28	617	0.002	1	0.0	0.0	5.854	A
C-A	13	3			13				
A-B	76	19			76				
A-C	22	6			22				

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	35	9	535	0.066	35	0.1	0.1	7.199	A
C-AB	1	0.28	617	0.002	1	0.0	0.0	5.857	A
C-A	13	3			13				
A-B	76	19			76				
A-C	22	6			22				

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	29	7	538	0.053	29	0.1	0.1	7.073	A
C-AB	0.92	0.23	620	0.001	0.92	0.0	0.0	5.826	A
C-A	11	3			11				
A-B	62	16			62				
A-C	18	4			18				

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	24	6	540	0.045	24	0.1	0.0	6.978	A
C-AB	0.76	0.19	622	0.001	0.77	0.0	0.0	5.807	A
C-A	9	2			9				
A-B	52	13			52				
A-C	15	4			15				

2029 Adjusted Base, 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		3.49	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.49	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	2029 Adjusted Base	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	✓	114	100.000
B		ONE HOUR	✓	89	100.000
C		ONE HOUR	✓	22	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To			
	A	B	C	
	A	0	95	19
	B	84	0	5
	C	19	3	0

Vehicle Mix

Heavy Vehicle Percentages

From	To			
	A	B	C	
	A	0	0	0
	B	0	0	0
	C	11	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	0.19	8.63	0.2	A	82	123
C-AB	0.01	5.90	0.0	A	3	4
C-A					17	28
A-B					87	131
A-C					17	28

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	67	17	521	0.129	66	0.0	0.1	7.904	A
C-AB	2	0.58	620	0.004	2	0.0	0.0	5.836	A
C-A	14	4			14				
A-B	72	18			72				
A-C	14	4			14				

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	80	20	519	0.154	80	0.1	0.2	8.201	A
C-AB	3	0.69	618	0.004	3	0.0	0.0	5.862	A
C-A	17	4			17				
A-B	85	21			85				
A-C	17	4			17				

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	98	24	515	0.190	98	0.2	0.2	8.621	A
C-AB	3	0.85	615	0.006	3	0.0	0.0	5.900	A
C-A	21	5			21				
A-B	105	26			105				
A-C	21	5			21				

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	98	24	515	0.190	98	0.2	0.2	8.630	A
C-AB	3	0.86	615	0.006	3	0.0	0.0	5.904	A
C-A	21	5			21				
A-B	105	26			105				
A-C	21	5			21				

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	80	20	519	0.154	80	0.2	0.2	8.215	A
C-AB	3	0.69	618	0.004	3	0.0	0.0	5.868	A
C-A	17	4			17				
A-B	85	21			85				
A-C	17	4			17				

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	67	17	521	0.129	67	0.2	0.1	7.929	A
C-AB	2	0.58	620	0.004	2	0.0	0.0	5.837	A
C-A	14	4			14				
A-B	72	18			72				
A-C	14	4			14				

2029 Adjusted Base, 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		2.75	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.75	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	2029 Adjusted Base	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	✓	121	100.000
B		ONE HOUR	✓	68	100.000
C		ONE HOUR	✓	13	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
	A	0	101	20
	B	62	0	6
	C	12	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
	A	0	0	10
	B	0	0	0
	C	8	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	0.14	8.09	0.2	A	62	94
C-AB	0.00	5.94	0.0	A	0.93	1
C-A					11	16
A-B					93	139
A-C					18	28

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	51	13	526	0.097	51	0.0	0.1	7.574	A
C-AB	0.76	0.19	616	0.001	0.76	0.0	0.0	5.859	A
C-A	9	2			9				
A-B	76	19			76				
A-C	15	4			15				

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	61	15	523	0.117	61	0.1	0.1	7.787	A
C-AB	0.92	0.23	613	0.001	0.91	0.0	0.0	5.891	A
C-A	11	3			11				
A-B	91	23			91				
A-C	18	4			18				

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	75	19	520	0.144	75	0.1	0.2	8.085	A
C-AB	1	0.28	608	0.002	1	0.0	0.0	5.936	A
C-A	13	3			13				
A-B	111	28			111				
A-C	22	6			22				

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	75	19	520	0.144	75	0.2	0.2	8.090	A
C-AB	1	0.28	608	0.002	1	0.0	0.0	5.939	A
C-A	13	3			13				
A-B	111	28			111				
A-C	22	6			22				

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	61	15	523	0.117	61	0.2	0.1	7.796	A
C-AB	0.92	0.23	613	0.001	0.92	0.0	0.0	5.893	A
C-A	11	3			11				
A-B	91	23			91				
A-C	18	4			18				

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	51	13	526	0.097	51	0.1	0.1	7.589	A
C-AB	0.76	0.19	616	0.001	0.77	0.0	0.0	5.860	A
C-A	9	2			9				
A-B	76	19			76				
A-C	15	4			15				

2029 + Dev Adjusted, 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		2.97	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.97	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
D7	2029 + Dev Adjusted	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	✓	157	100.000
B		ONE HOUR	✓	89	100.000
C		ONE HOUR	✓	22	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	138	19
	B	84	0	5
From	C	19	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	0
	B	0	0	0
From	C	11	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	0.19	8.73	0.2	A	82	123
C-AB	0.01	6.02	0.0	A	3	4
C-A					17	28
A-B					127	190
A-C					17	28

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	67	17	518	0.129	66	0.0	0.1	7.959	A
C-AB	2	0.58	613	0.004	2	0.0	0.0	5.910	A
C-A	14	4			14				
A-B	104	28			104				
A-C	14	4			14				

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	80	20	515	0.155	80	0.1	0.2	8.272	A
C-AB	3	0.69	609	0.005	3	0.0	0.0	5.952	A
C-A	17	4			17				
A-B	124	31			124				
A-C	17	4			17				

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	98	24	511	0.192	98	0.2	0.2	8.717	A
C-AB	3	0.86	604	0.006	3	0.0	0.0	6.012	A
C-A	21	5			21				
A-B	152	38			152				
A-C	21	5			21				

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	98	24	511	0.192	98	0.2	0.2	8.726	A
C-AB	3	0.86	604	0.006	3	0.0	0.0	6.016	A
C-A	21	5			21				
A-B	152	38			152				
A-C	21	5			21				

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	80	20	515	0.155	80	0.2	0.2	8.284	A
C-AB	3	0.69	609	0.005	3	0.0	0.0	5.956	A
C-A	17	4			17				
A-B	124	31			124				
A-C	17	4			17				

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	67	17	518	0.129	67	0.2	0.1	7.985	A
C-AB	2	0.58	613	0.004	2	0.0	0.0	5.914	A
C-A	14	4			14				
A-B	104	26			104				
A-C	14	4			14				

2029 + Dev Adjusted, 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		3.05	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.05	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 + Dev Adjusted	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	✓	144	100.000
B		ONE HOUR	✓	88	100.000
C		ONE HOUR	✓	13	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	124	20
	B	80	0	6
	C	12	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	10
	B	0	0	0
	C	8	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	0.18	8.56	0.2	A	79	118
C-AB	0.00	6.00	0.0	A	0.94	1
C-A					11	16
A-B					114	171
A-C					18	28

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	65	16	522	0.124	64	0.0	0.1	7.857	A
C-AB	0.76	0.19	612	0.001	0.76	0.0	0.0	5.899	A
C-A	9	2			9				
A-B	93	23			93				
A-C	15	4			15				

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	77	19	519	0.149	77	0.1	0.2	8.144	A
C-AB	0.92	0.23	608	0.002	0.91	0.0	0.0	5.940	A
C-A	11	3			11				
A-B	111	28			111				
A-C	18	4			18				

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	95	24	515	0.184	94	0.2	0.2	8.553	A
C-AB	1	0.28	602	0.002	1	0.0	0.0	5.997	A
C-A	13	3			13				
A-B	137	34			137				
A-C	22	6			22				

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	95	24	515	0.184	95	0.2	0.2	8.560	A
C-AB	1	0.28	602	0.002	1	0.0	0.0	5.997	A
C-A	13	3			13				
A-B	137	34			137				
A-C	22	6			22				

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	77	19	519	0.149	78	0.2	0.2	8.157	A
C-AB	0.92	0.23	608	0.002	0.92	0.0	0.0	5.941	A
C-A	11	3			11				
A-B	111	28			111				
A-C	18	4			18				

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	65	16	522	0.124	65	0.2	0.1	7.882	A
C-AB	0.76	0.19	612	0.001	0.77	0.0	0.0	5.900	A
C-A	9	2			9				
A-B	93	23			93				
A-C	15	4			15				

T20517

Brascote Lane, Newbold Verdon



Appendix W

Kirkby Road/Elwell Avenue – PICADY Assessment

Junctions 10				
PICADY 10 - Priority Intersection Module				
Version: 10.0.4.1693				
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Filename: T20517 - Kirkby Rd-Elwell Ave PRTM.j10
 Path: C:\Users\MaxLaw\OneDrive - Hub Transport Planning Ltd\Desktop\NV Juncs
 Report generation date: 28/04/2023 14:08:45

- »2023 Base, AM
- »2023 Base, PM
- »2024 Growth Base, AM
- »2024 Growth Base, PM
- »2029 Adjusted Base, AM
- »2029 Adjusted Base, PM
- »2029 + Dev Adjusted, AM
- »2029 + Dev Adjusted, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2023 Base									
Stream B-AC	D1	0.1	6.80	0.08	A	D2	0.0	6.20	0.05	A
Stream C-AB		0.0	5.67	0.02	A		0.0	5.92	0.02	A
	2024 Growth Base									
Stream B-AC	D3	0.1	6.80	0.08	A	D4	0.0	6.20	0.05	A
Stream C-AB		0.0	5.66	0.02	A		0.0	5.92	0.02	A
	2029 Adjusted Base									
Stream B-AC	D5	0.1	7.00	0.08	A	D6	0.0	6.33	0.05	A
Stream C-AB		0.0	5.63	0.02	A		0.0	5.76	0.02	A
	2029 + Dev Adjusted									
Stream B-AC	D7	0.1	7.18	0.08	A	D8	0.0	6.42	0.05	A
Stream C-AB		0.0	5.68	0.02	A		0.0	5.72	0.02	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	Kirkby Road/Elwell Avenue
Location	Newbold Verdon
Site number	
Date	03/04/2023
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	AzureAD/MaxLaw
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	2023 Base	AM	ONE HOUR	07:45	09:15	15	✓
D2	2023 Base	PM	ONE HOUR	16:45	18:15	15	✓
D3	2024 Growth Base	AM	ONE HOUR	07:45	09:15	15	✓
D4	2024 Growth Base	PM	ONE HOUR	16:45	18:15	15	✓
D5	2029 Adjusted Base	AM	ONE HOUR	07:45	09:15	15	✓
D6	2029 Adjusted Base	PM	ONE HOUR	16:45	18:15	15	✓
D7	2029 + Dev Adjusted	AM	ONE HOUR	07:45	09:15	15	✓
D8	2029 + Dev Adjusted	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

2023 Base, 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		1.92	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.92	A

Arms

Arms

Arm	Name	Description	Arm type
A	Kirkby Road (N)		Major
B	Elwell Ave		Minor
C	Kirkby Road (S)		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			85.0	✓	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	3.68	30	20

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	531	0.099	0.250	0.157	0.357
B-C	680	0.106	0.269	-	-
C-B	623	0.247	0.247	-	-

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	2023 Base	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	✓	62	100.000
B		ONE HOUR	✓	40	100.000
C		ONE HOUR	✓	76	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	5	57
	B	19	0	21
	C	65	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	5	2
	B	0	0	0
	C	0	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	0.08	6.80	0.1	A	37	55
C-AB	0.02	5.67	0.0	A	11	17
C-A					59	88
A-B					5	7
A-C					52	78

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	30	8	582	0.052	30	0.0	0.1	6.523	A
C-AB	9	2	644	0.014	9	0.0	0.0	5.668	A
C-A	48	12			48				
A-B	4	0.94			4				
A-C	43	11			43				

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	36	9	578	0.062	36	0.1	0.1	6.637	A
C-AB	11	3	648	0.017	11	0.0	0.0	5.648	A
C-A	57	14			57				
A-B	4	1			4				
A-C	51	13			51				

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	44	11	573	0.077	44	0.1	0.1	6.800	A
C-AB	14	3	654	0.021	14	0.0	0.0	5.622	A
C-A	70	18			70				
A-B	6	1			6				
A-C	63	16			63				

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	44	11	573	0.077	44	0.1	0.1	6.800	A
C-AB	14	3	654	0.021	14	0.0	0.0	5.625	A
C-A	70	18			70				
A-B	6	1			6				
A-C	63	16			63				

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	36	9	578	0.062	36	0.1	0.1	6.639	A
C-AB	11	3	648	0.017	11	0.0	0.0	5.649	A
C-A	57	14			57				
A-B	4	1			4				
A-C	51	13			51				

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	30	8	582	0.052	30	0.1	0.1	6.525	A
C-AB	9	2	644	0.014	9	0.0	0.0	5.668	A
C-A	48	12			48				
A-B	4	0.94			4				
A-C	43	11			43				

2023 Base, 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.

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		1.64	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.64	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
D2	2023 Base	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	✓	75	100.000
B		ONE HOUR	✓	25	100.000
C		ONE HOUR	✓	36	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	18	57
	B	7	0	18
	C	25	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	2
	B	0	0	0
	C	0	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	0.05	6.20	0.0	A	23	34
C-AB	0.02	5.92	0.0	A	10	16
C-A					23	34
A-B					17	25
A-C					52	78

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	19	5	615	0.031	19	0.0	0.0	6.033	A
C-AB	9	2	622	0.014	8	0.0	0.0	5.870	A
C-A	19	5			19				
A-B	14	3			14				
A-C	43	11			43				

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	22	6	612	0.037	22	0.0	0.0	6.103	A
C-AB	10	3	621	0.017	10	0.0	0.0	5.889	A
C-A	22	6			22				
A-B	16	4			16				
A-C	51	13			51				

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	28	7	608	0.045	27	0.0	0.0	6.199	A
C-AB	13	3	621	0.020	13	0.0	0.0	5.916	A
C-A	27	7			27				
A-B	20	5			20				
A-C	63	16			63				

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	28	7	608	0.045	28	0.0	0.0	6.199	A
C-AB	13	3	621	0.020	13	0.0	0.0	5.918	A
C-A	27	7			27				
A-B	20	5			20				
A-C	63	16			63				

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	22	6	612	0.037	23	0.0	0.0	6.106	A
C-AB	10	3	621	0.017	10	0.0	0.0	5.892	A
C-A	22	6			22				
A-B	16	4			16				
A-C	51	13			51				

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	19	5	615	0.031	19	0.0	0.0	6.038	A
C-AB	9	2	622	0.014	9	0.0	0.0	5.870	A
C-A	19	5			19				
A-B	14	3			14				
A-C	43	11			43				

2024 Growth Base, 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		1.91	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.91	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 Growth Base	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	✓	62	100.000
B		ONE HOUR	✓	40	100.000
C		ONE HOUR	✓	77	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
	A	0	5	57
	B	19	0	21
	C	66	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
	A	0	5	2
	B	0	0	0
	C	0	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	0.08	6.80	0.1	A	37	55
C-AB	0.02	5.66	0.0	A	11	17
C-A					59	89
A-B					5	7
A-C					52	78

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	30	8	582	0.052	30	0.0	0.1	6.524	A
C-AB	9	2	644	0.014	9	0.0	0.0	5.664	A
C-A	49	12			49				
A-B	4	0.94			4				
A-C	43	11			43				

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	36	9	578	0.062	36	0.1	0.1	6.638	A
C-AB	11	3	649	0.017	11	0.0	0.0	5.643	A
C-A	58	15			58				
A-B	4	1			4				
A-C	51	13			51				

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	44	11	573	0.077	44	0.1	0.1	6.802	A
C-AB	14	3	655	0.021	14	0.0	0.0	5.616	A
C-A	71	18			71				
A-B	6	1			6				
A-C	63	16			63				

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	44	11	573	0.077	44	0.1	0.1	6.802	A
C-AB	14	3	655	0.021	14	0.0	0.0	5.618	A
C-A	71	18			71				
A-B	6	1			6				
A-C	63	16			63				

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	38	9	578	0.062	38	0.1	0.1	6.643	A
C-AB	11	3	649	0.017	11	0.0	0.0	5.646	A
C-A	58	15			58				
A-B	4	1			4				
A-C	51	13			51				

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	30	8	582	0.052	30	0.1	0.1	6.526	A
C-AB	9	2	644	0.014	9	0.0	0.0	5.664	A
C-A	49	12			49				
A-B	4	0.94			4				
A-C	43	11			43				

2024 Growth Base, 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.

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		1.64	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.64	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
D4	2024 Growth Base	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	✓	75	100.000
B		ONE HOUR	✓	25	100.000
C		ONE HOUR	✓	36	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	18	57
	B	7	0	18
	C	25	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	2
	B	0	0	0
	C	0	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	0.05	6.20	0.0	A	23	34
C-AB	0.02	5.92	0.0	A	10	16
C-A					23	34
A-B					17	25
A-C					52	78

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	19	5	615	0.031	19	0.0	0.0	6.033	A
C-AB	9	2	622	0.014	8	0.0	0.0	5.870	A
C-A	19	5			19				
A-B	14	3			14				
A-C	43	11			43				

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	22	6	612	0.037	22	0.0	0.0	6.103	A
C-AB	10	3	621	0.017	10	0.0	0.0	5.889	A
C-A	22	6			22				
A-B	16	4			16				
A-C	51	13			51				

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	28	7	608	0.045	27	0.0	0.0	6.199	A
C-AB	13	3	621	0.020	13	0.0	0.0	5.916	A
C-A	27	7			27				
A-B	20	5			20				
A-C	63	16			63				

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	28	7	608	0.045	28	0.0	0.0	6.199	A
C-AB	13	3	621	0.020	13	0.0	0.0	5.918	A
C-A	27	7			27				
A-B	20	5			20				
A-C	63	16			63				

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	22	6	612	0.037	23	0.0	0.0	6.106	A
C-AB	10	3	621	0.017	10	0.0	0.0	5.892	A
C-A	22	6			22				
A-B	16	4			16				
A-C	51	13			51				

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	19	5	615	0.031	19	0.0	0.0	6.038	A
C-AB	9	2	622	0.014	9	0.0	0.0	5.870	A
C-A	19	5			19				
A-B	14	3			14				
A-C	43	11			43				

2029 Adjusted Base, 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		1.43	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.43	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
D5	2029 Adjusted Base	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	✓	105	100.000
B		ONE HOUR	✓	40	100.000
C		ONE HOUR	✓	101	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	5	100
	B	19	0	21
	C	90	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	5	2
	B	0	0	0
	C	0	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	0.08	7.00	0.1	A	37	55
C-AB	0.02	5.83	0.0	A	12	17
C-A					81	122
A-B					5	7
A-C					92	138

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	30	8	571	0.053	30	0.0	0.1	6.643	A
C-AB	9	2	649	0.014	9	0.0	0.0	5.629	A
C-A	67	17			67				
A-B	4	0.94			4				
A-C	75	19			75				

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	38	9	568	0.064	38	0.1	0.1	6.792	A
C-AB	11	3	654	0.017	11	0.0	0.0	5.602	A
C-A	80	20			80				
A-B	4	1			4				
A-C	90	22			90				

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	44	11	558	0.079	44	0.1	0.1	7.001	A
C-AB	14	4	661	0.022	14	0.0	0.0	5.565	A
C-A	97	24			97				
A-B	6	1			6				
A-C	110	28			110				

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	44	11	558	0.079	44	0.1	0.1	7.001	A
C-AB	14	4	661	0.022	14	0.0	0.0	5.565	A
C-A	97	24			97				
A-B	6	1			6				
A-C	110	28			110				

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	38	9	566	0.064	38	0.1	0.1	6.796	A
C-AB	11	3	654	0.017	11	0.0	0.0	5.604	A
C-A	79	20			79				
A-B	4	1			4				
A-C	90	22			90				

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	30	8	571	0.053	30	0.1	0.1	6.653	A
C-AB	9	2	649	0.014	9	0.0	0.0	5.631	A
C-A	67	17			67				
A-B	4	0.94			4				
A-C	75	19			75				

2029 Adjusted Base, 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 8m.

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		1.12	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.12	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
D6	2029 Adjusted Base	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	✓	107	100.000
B		ONE HOUR	✓	25	100.000
C		ONE HOUR	✓	72	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	18	89
	B	7	0	18
	C	61	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	2
	B	0	0	0
	C	0	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	0.05	6.33	0.0	A	23	34
C-AB	0.02	5.76	0.0	A	11	17
C-A					55	82
A-B					17	25
A-C					82	123

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	19	5	607	0.031	19	0.0	0.0	6.116	A
C-AB	9	2	634	0.014	9	0.0	0.0	5.760	A
C-A	45	11			45				
A-B	14	3			14				
A-C	67	17			67				

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	22	6	603	0.037	22	0.0	0.0	6.205	A
C-AB	11	3	636	0.017	11	0.0	0.0	5.757	A
C-A	54	13			54				
A-B	16	4			16				
A-C	80	20			80				

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	28	7	596	0.046	27	0.0	0.0	6.329	A
C-AB	14	3	639	0.021	14	0.0	0.0	5.754	A
C-A	66	16			66				
A-B	20	5			20				
A-C	98	24			98				

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	28	7	596	0.046	28	0.0	0.0	6.329	A
C-AB	14	3	639	0.021	14	0.0	0.0	5.754	A
C-A	66	16			66				
A-B	20	5			20				
A-C	98	24			98				

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	22	6	603	0.037	23	0.0	0.0	6.208	A
C-AB	11	3	636	0.017	11	0.0	0.0	5.758	A
C-A	54	13			54				
A-B	16	4			16				
A-C	80	20			80				

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	19	5	607	0.031	19	0.0	0.0	6.122	A
C-AB	9	2	634	0.014	9	0.0	0.0	5.762	A
C-A	45	11			45				
A-B	14	3			14				
A-C	67	17			67				

2029 + Dev Adjusted, 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 8m.

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		1.22	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.22	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 + Dev Adjusted	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	✓	143	100.000
B		ONE HOUR	✓	40	100.000
C		ONE HOUR	✓	106	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	5	143
	B	19	0	21
	C	95	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	5	2
	B	0	0	0
	C	0	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	0.08	7.18	0.1	A	37	55
C-AB	0.02	5.68	0.0	A	12	18
C-A					86	128
A-B					5	7
A-C					131	197

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	30	8	563	0.054	30	0.0	0.1	6.754	A
C-AB	9	2	644	0.014	9	0.0	0.0	5.675	A
C-A	70	18			70				
A-B	4	0.94			4				
A-C	108	27			108				

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	36	9	555	0.065	36	0.1	0.1	6.930	A
C-AB	11	3	648	0.018	11	0.0	0.0	5.656	A
C-A	84	21			84				
A-B	4	1			4				
A-C	129	32			129				

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	44	11	545	0.081	44	0.1	0.1	7.182	A
C-AB	14	4	654	0.022	14	0.0	0.0	5.630	A
C-A	102	26			102				
A-B	6	1			6				
A-C	157	39			157				

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	44	11	545	0.081	44	0.1	0.1	7.182	A
C-AB	14	4	654	0.022	14	0.0	0.0	5.633	A
C-A	102	26			102				
A-B	6	1			6				
A-C	157	39			157				

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	38	9	555	0.065	38	0.1	0.1	6.935	A
C-AB	11	3	648	0.018	11	0.0	0.0	5.657	A
C-A	84	21			84				
A-B	4	1			4				
A-C	129	32			129				

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	30	8	563	0.054	30	0.1	0.1	6.761	A
C-AB	9	2	644	0.014	9	0.0	0.0	5.675	A
C-A	70	18			70				
A-B	4	0.94			4				
A-C	108	27			108				

2029 + Dev Adjusted, 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 8m.

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		0.95	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.95	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 + Dev Adjusted	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	✓	130	100.000
B		ONE HOUR	✓	25	100.000
C		ONE HOUR	✓	90	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	18	112
	B	7	0	18
	C	79	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	2
	B	0	0	0
	C	0	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	0.05	6.42	0.0	A	23	34
C-AB	0.02	5.72	0.0	A	11	17
C-A					71	107
A-B					17	25
A-C					103	154

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	19	5	602	0.031	19	0.0	0.0	6.174	A
C-AB	9	2	639	0.014	9	0.0	0.0	5.717	A
C-A	59	15			59				
A-B	14	3			14				
A-C	84	21			84				

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	22	6	596	0.038	22	0.0	0.0	6.276	A
C-AB	11	3	642	0.017	11	0.0	0.0	5.706	A
C-A	70	17			70				
A-B	16	4			16				
A-C	101	25			101				

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	28	7	588	0.047	27	0.0	0.0	6.420	A
C-AB	14	4	646	0.022	14	0.0	0.0	5.691	A
C-A	85	21			85				
A-B	20	5			20				
A-C	123	31			123				

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	28	7	588	0.047	28	0.0	0.0	6.420	A
C-AB	14	4	646	0.022	14	0.0	0.0	5.691	A
C-A	85	21			85				
A-B	20	5			20				
A-C	123	31			123				

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	22	8	596	0.038	23	0.0	0.0	6.279	A
C-AB	11	3	642	0.017	11	0.0	0.0	5.709	A
C-A	70	17			70				
A-B	16	4			16				
A-C	101	25			101				

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	19	5	602	0.031	19	0.0	0.0	6.177	A
C-AB	9	2	639	0.014	9	0.0	0.0	5.717	A
C-A	59	15			59				
A-B	14	3			14				
A-C	84	21			84				

T20517

Brascote Lane, Newbold Verdon



Appendix X

Kirkby Road/Charnwood Road – PICADY Assessment

Junctions 10				
PICADY 10 - Priority Intersection Module				
Version: 10.0.4.1693				
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Filename: T20517 - Kirkby Rd-Charnwood Rd PRTM.j10

Path: C:\Users\MaxLaw\OneDrive - Hub Transport Planning Ltd\Desktop\NV Juncs

Report generation date: 28/04/2023 14:09:32

- »2023 Base, AM
- »2023 Base, PM
- »2024 Growth Base, AM
- »2024 Growth Base, PM
- »2029 Adjusted Base, AM
- »2029 Adjusted Base, PM
- »2029 + Dev Adjusted, AM
- »2029 + Dev Adjusted, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2023 Base									
Stream B-C	D1	0.2	6.37	0.15	A	D2	0.1	5.85	0.09	A
Stream B-A		0.0	6.58	0.03	A		0.0	6.24	0.01	A
Stream C-AB		0.2	6.91	0.17	A		0.2	6.79	0.15	A
	2024 Growth Base									
Stream B-C	D3	0.2	6.39	0.15	A	D4	0.1	5.85	0.09	A
Stream B-A		0.0	6.59	0.03	A		0.0	6.24	0.01	A
Stream C-AB		0.2	6.92	0.18	A		0.2	6.81	0.15	A
	2029 Adjusted Base									
Stream B-C	D5	0.1	6.20	0.10	A	D6	0.1	5.84	0.07	A
Stream B-A		0.1	6.93	0.06	A		0.0	6.51	0.03	A
Stream C-AB		0.2	6.95	0.18	A		0.2	6.62	0.14	A
	2029 + Dev Adjusted									
Stream B-C	D7	0.1	6.33	0.10	A	D8	0.1	5.92	0.08	A
Stream B-A		0.1	7.12	0.06	A		0.0	6.66	0.04	A
Stream C-AB		0.3	7.07	0.18	A		0.2	6.59	0.14	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	Kirkby Road/Charnwood Road
Location	Newbold Verdon
Site number	
Date	03/04/2023
Version	
Status	(new file)
Identifier	
Client	Richborough Estates
Jobnumber	T20517
Enumerator	AzureAD/MaxLaw
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	38.00	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	2023 Base	AM	ONE HOUR	07:45	09:15	15	✓
D2	2023 Base	PM	ONE HOUR	16:45	18:15	15	✓
D3	2024 Growth Base	AM	ONE HOUR	07:45	09:15	15	✓
D4	2024 Growth Base	PM	ONE HOUR	16:45	18:15	15	✓
D5	2029 Adjusted Base	AM	ONE HOUR	07:45	09:15	15	✓
D6	2029 Adjusted Base	PM	ONE HOUR	16:45	18:15	15	✓
D7	2029 + Dev Adjusted	AM	ONE HOUR	07:45	09:15	15	✓
D8	2029 + Dev Adjusted	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

2023 Base, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		3.83	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.83	A

Arms

Arms

Arm	Name	Description	Arm type
A	Kirkby Road (N)		Major
B	Charnwood Road		Minor
C	Kirkby Road (S)		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	6.50			80.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	4.00	3.00	3.00	3.00	✓	1.00	100	60

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	648	0.113	0.288	0.180	0.408
B-C	701	0.108	0.272	-	-
C-B	620	0.235	0.235	-	-

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	2023 Base	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	✓	98	100.000
B		ONE HOUR	✓	107	100.000
C		ONE HOUR	✓	153	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	18	80
	B	17	0	90
	C	63	90	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	1
	B	0	0	1
	C	0	2	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	0.15	6.37	0.2	A	83	124
B-A	0.03	6.58	0.0	A	16	23
C-AB	0.17	6.91	0.2	A	91	137
C-A					49	74
A-B					17	25
A-C					73	110

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	68	17	680	0.100	67	0.0	0.1	5.932	A
B-A	13	3	593	0.022	13	0.0	0.0	6.204	A
C-AB	73	18	634	0.115	73	0.0	0.1	6.521	A
C-A	42	10			42				
A-B	14	3			14				
A-C	60	15			60				

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	81	20	676	0.120	81	0.1	0.1	6.113	A
B-A	15	4	582	0.026	15	0.0	0.0	6.355	A
C-AB	89	22	637	0.139	89	0.1	0.2	6.682	A
C-A	49	12			49				
A-B	16	4			16				
A-C	72	18			72				

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	99	25	670	0.148	99	0.1	0.2	6.369	A
B-A	19	5	566	0.033	19	0.0	0.0	6.575	A
C-AB	111	28	641	0.173	111	0.2	0.2	6.908	A
C-A	57	14			57				
A-B	20	5			20				
A-C	88	22			88				

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	99	25	670	0.148	99	0.2	0.2	6.371	A
B-A	19	5	566	0.033	19	0.0	0.0	6.576	A
C-AB	111	28	641	0.173	111	0.2	0.2	6.914	A
C-A	57	14			57				
A-B	20	5			20				
A-C	88	22			88				

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	81	20	676	0.120	81	0.2	0.1	6.116	A
B-A	15	4	582	0.026	15	0.0	0.0	6.357	A
C-AB	89	22	637	0.139	89	0.2	0.2	6.689	A
C-A	49	12			49				
A-B	16	4			16				
A-C	72	18			72				

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	68	17	680	0.100	68	0.1	0.1	5.943	A
B-A	13	3	593	0.022	13	0.0	0.0	6.210	A
C-AB	73	18	635	0.115	73	0.2	0.1	6.537	A
C-A	42	10			42				
A-B	14	3			14				
A-C	60	15			60				

2023 Base, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		3.61	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.61	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
D2	2023 Base	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	✓	79	100.000
B		ONE HOUR	✓	62	100.000
C		ONE HOUR	✓	115	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	12	67
	B	5	0	57
	C	37	78	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	1
	B	0	0	0
	C	0	1	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	0.09	5.85	0.1	A	52	78
B-A	0.01	6.24	0.0	A	5	7
C-AB	0.15	6.79	0.2	A	76	114
C-A					30	45
A-B					11	17
A-C					61	92

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	43	11	686	0.063	43	0.0	0.1	5.595	A
B-A	4	0.94	604	0.006	4	0.0	0.0	5.998	A
C-AB	61	15	625	0.098	61	0.0	0.1	6.443	A
C-A	25	6			25				
A-B	9	2			9				
A-C	50	13			50				

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	51	13	683	0.075	51	0.1	0.1	5.701	A
B-A	4	1	595	0.008	4	0.0	0.0	6.096	A
C-AB	74	19	626	0.118	74	0.1	0.1	6.587	A
C-A	29	7			29				
A-B	11	3			11				
A-C	60	15			60				

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	63	16	678	0.093	63	0.1	0.1	5.847	A
B-A	6	1	583	0.009	5	0.0	0.0	6.235	A
C-AB	92	23	627	0.147	92	0.1	0.2	6.786	A
C-A	35	9			35				
A-B	13	3			13				
A-C	74	18			74				

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	63	16	678	0.093	63	0.1	0.1	5.847	A
B-A	6	1	583	0.009	6	0.0	0.0	6.235	A
C-AB	92	23	627	0.147	92	0.2	0.2	6.790	A
C-A	35	9			35				
A-B	13	3			13				
A-C	74	18			74				

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	51	13	683	0.075	51	0.1	0.1	5.702	A
B-A	4	1	595	0.008	5	0.0	0.0	6.099	A
C-AB	74	19	626	0.118	74	0.2	0.1	6.590	A
C-A	29	7			29				
A-B	11	3			11				
A-C	60	15			60				

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	43	11	688	0.063	43	0.1	0.1	5.603	A
B-A	4	0.94	604	0.008	4	0.0	0.0	6.003	A
C-AB	61	15	625	0.098	62	0.1	0.1	6.456	A
C-A	25	6			25				
A-B	9	2			9				
A-C	50	13			50				

2024 Growth Base, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		3.84	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.84	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 Growth Base	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	✓	99	100.000
B		ONE HOUR	✓	108	100.000
C		ONE HOUR	✓	155	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	18	81
	B	17	0	91
	C	64	91	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	1
	B	0	0	1
	C	0	2	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	0.15	6.39	0.2	A	84	125
B-A	0.03	6.59	0.0	A	16	23
C-AB	0.18	6.92	0.2	A	92	138
C-A					50	75
A-B					17	25
A-C					74	111

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	89	17	680	0.101	88	0.0	0.1	5.941	A
B-A	13	3	592	0.022	13	0.0	0.0	6.211	A
C-AB	74	19	635	0.117	74	0.0	0.1	6.528	A
C-A	43	11			43				
A-B	14	3			14				
A-C	61	15			61				

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	82	20	675	0.121	82	0.1	0.1	6.124	A
B-A	15	4	581	0.026	15	0.0	0.0	6.364	A
C-AB	90	22	638	0.141	90	0.1	0.2	6.691	A
C-A	49	12			49				
A-B	16	4			16				
A-C	73	18			73				

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	100	25	669	0.150	100	0.1	0.2	6.384	A
B-A	19	5	565	0.033	19	0.0	0.0	6.587	A
C-AB	113	28	642	0.175	112	0.2	0.2	6.920	A
C-A	58	15			58				
A-B	20	5			20				
A-C	89	22			89				

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	100	25	669	0.150	100	0.2	0.2	6.387	A
B-A	19	5	565	0.033	19	0.0	0.0	6.588	A
C-AB	113	28	642	0.176	113	0.2	0.2	6.923	A
C-A	58	15			58				
A-B	20	5			20				
A-C	89	22			89				

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	82	20	675	0.121	82	0.2	0.1	6.128	A
B-A	15	4	581	0.026	15	0.0	0.0	6.369	A
C-AB	90	23	638	0.141	90	0.2	0.2	6.695	A
C-A	49	12			49				
A-B	16	4			16				
A-C	73	18			73				

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	69	17	680	0.101	69	0.1	0.1	5.953	A
B-A	13	3	592	0.022	13	0.0	0.0	6.217	A
C-AB	74	19	635	0.117	74	0.2	0.1	6.544	A
C-A	43	11			43				
A-B	14	3			14				
A-C	61	15			61				

2024 Growth Base, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		3.62	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.62	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 Growth Base	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	✓	80	100.000
B		ONE HOUR	✓	62	100.000
C		ONE HOUR	✓	116	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	12	68
	B	5	0	57
	C	37	79	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	1
	B	0	0	0
	C	0	1	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	0.09	5.85	0.1	A	52	78
B-A	0.01	6.24	0.0	A	5	7
C-AB	0.15	6.81	0.2	A	77	115
C-A					30	44
A-B					11	17
A-C					62	94

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	43	11	686	0.063	43	0.0	0.1	5.597	A
B-A	4	0.94	603	0.006	4	0.0	0.0	6.003	A
C-AB	62	16	625	0.100	62	0.0	0.1	6.458	A
C-A	25	6			25				
A-B	9	2			9				
A-C	51	13			51				

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	51	13	682	0.075	51	0.1	0.1	5.703	A
B-A	4	1	594	0.008	4	0.0	0.0	6.102	A
C-AB	75	19	626	0.120	75	0.1	0.1	6.601	A
C-A	29	7			29				
A-B	11	3			11				
A-C	61	15			61				

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	63	16	678	0.093	63	0.1	0.1	5.850	A
B-A	6	1	582	0.009	5	0.0	0.0	6.243	A
C-AB	93	23	627	0.148	93	0.1	0.2	6.805	A
C-A	35	9			35				
A-B	13	3			13				
A-C	75	19			75				

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	63	16	678	0.093	63	0.1	0.1	5.850	A
B-A	6	1	582	0.009	6	0.0	0.0	6.244	A
C-AB	93	23	627	0.149	93	0.2	0.2	6.811	A
C-A	35	9			35				
A-B	13	3			13				
A-C	75	19			75				

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	51	13	682	0.075	51	0.1	0.1	5.707	A
B-A	4	1	594	0.008	5	0.0	0.0	6.106	A
C-AB	75	19	626	0.120	75	0.2	0.1	6.604	A
C-A	29	7			29				
A-B	11	3			11				
A-C	61	15			61				

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	43	11	685	0.063	43	0.1	0.1	5.605	A
B-A	4	0.94	603	0.008	4	0.0	0.0	6.008	A
C-AB	62	16	625	0.100	62	0.1	0.1	6.467	A
C-A	25	6			25				
A-B	9	2			9				
A-C	51	13			51				

2029 Adjusted Base, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		3.22	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.22	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	2029 Adjusted Base	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	✓	142	100.000
B		ONE HOUR	✓	90	100.000
C		ONE HOUR	✓	164	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	22	120
	B	30	0	60
	C	75	89	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	1
	B	0	0	1
	C	0	2	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	0.10	6.20	0.1	A	55	83
B-A	0.06	6.93	0.1	A	28	41
C-AB	0.18	6.95	0.2	A	92	138
C-A					59	88
A-B					20	30
A-C					110	165

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	45	11	669	0.068	45	0.0	0.1	5.827	A
B-A	23	6	583	0.039	22	0.0	0.0	6.419	A
C-AB	74	18	633	0.116	73	0.0	0.1	6.541	A
C-A	50	12			50				
A-B	17	4			17				
A-C	90	23			90				

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	54	13	662	0.081	54	0.1	0.1	5.979	A
B-A	27	7	570	0.047	27	0.0	0.0	6.627	A
C-AB	90	22	636	0.141	89	0.1	0.2	6.710	A
C-A	58	14			58				
A-B	20	5			20				
A-C	108	27			108				

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	66	17	653	0.101	66	0.1	0.1	6.196	A
B-A	33	8	552	0.060	33	0.0	0.1	6.932	A
C-AB	113	28	639	0.176	112	0.2	0.2	6.950	A
C-A	68	17			68				
A-B	24	6			24				
A-C	132	33			132				

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	66	17	653	0.101	66	0.1	0.1	6.196	A
B-A	33	8	552	0.060	33	0.1	0.1	6.933	A
C-AB	113	28	639	0.176	113	0.2	0.2	6.954	A
C-A	68	17			68				
A-B	24	6			24				
A-C	132	33			132				

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	54	13	662	0.081	54	0.1	0.1	5.984	A
B-A	27	7	570	0.047	27	0.1	0.1	6.631	A
C-AB	90	22	636	0.141	90	0.2	0.2	6.714	A
C-A	58	14			58				
A-B	20	5			20				
A-C	108	27			108				

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	45	11	668	0.068	45	0.1	0.1	5.834	A
B-A	23	6	583	0.039	23	0.1	0.0	6.429	A
C-AB	74	18	633	0.116	74	0.2	0.1	6.555	A
C-A	50	12			50				
A-B	17	4			17				
A-C	90	23			90				

2029 Adjusted Base, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		2.93	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.93	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	2029 Adjusted Base	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	✓	111	100.000
B		ONE HOUR	✓	62	100.000
C		ONE HOUR	✓	134	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	15	96
	B	17	0	45
	C	62	72	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	1
	B	0	0	0
	C	0	1	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	0.07	5.84	0.1	A	41	62
B-A	0.03	6.51	0.0	A	16	23
C-AB	0.14	6.62	0.2	A	73	109
C-A					50	75
A-B					14	21
A-C					88	132

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	34	8	677	0.050	34	0.0	0.1	5.595	A
B-A	13	3	596	0.021	13	0.0	0.0	6.173	A
C-AB	59	15	632	0.093	58	0.0	0.1	6.330	A
C-A	42	11			42				
A-B	11	3			11				
A-C	72	18			72				

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	40	10	672	0.080	40	0.1	0.1	5.698	A
B-A	15	4	585	0.026	15	0.0	0.0	6.312	A
C-AB	71	18	634	0.112	71	0.1	0.1	6.451	A
C-A	49	12			49				
A-B	13	3			13				
A-C	86	22			86				

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	50	12	665	0.074	49	0.1	0.1	5.845	A
B-A	19	5	571	0.033	19	0.0	0.0	6.514	A
C-AB	89	22	637	0.139	89	0.1	0.2	6.620	A
C-A	59	15			59				
A-B	17	4			17				
A-C	106	26			106				

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	50	12	665	0.074	50	0.1	0.1	5.845	A
B-A	19	5	571	0.033	19	0.0	0.0	6.514	A
C-AB	89	22	637	0.139	89	0.2	0.2	6.624	A
C-A	59	15			59				
A-B	17	4			17				
A-C	106	26			106				

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	40	10	672	0.060	41	0.1	0.1	5.702	A
B-A	15	4	585	0.026	15	0.0	0.0	6.314	A
C-AB	71	18	634	0.112	71	0.2	0.1	6.454	A
C-A	49	12			49				
A-B	13	3			13				
A-C	86	22			86				

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	34	8	677	0.050	34	0.1	0.1	5.598	A
B-A	13	3	596	0.021	13	0.0	0.0	6.176	A
C-AB	59	15	632	0.093	59	0.1	0.1	6.340	A
C-A	42	11			42				
A-B	11	3			11				
A-C	72	18			72				

2029 + Dev Adjusted, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		2.95	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.95	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 + Dev Adjusted	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	✓	185	100.000
B		ONE HOUR	✓	90	100.000
C		ONE HOUR	✓	169	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	27	158
	B	30	0	60
	C	80	89	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	1
	B	0	0	1
	C	0	2	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	0.10	6.33	0.1	A	55	83
B-A	0.06	7.12	0.1	A	28	41
C-AB	0.18	7.07	0.3	A	93	139
C-A					62	93
A-B					25	37
A-C					145	217

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	45	11	660	0.068	45	0.0	0.1	5.905	A
B-A	23	6	574	0.039	22	0.0	0.0	6.527	A
C-AB	74	19	628	0.118	74	0.0	0.2	6.604	A
C-A	53	13			53				
A-B	20	5			20				
A-C	119	30			119				

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	54	13	652	0.083	54	0.1	0.1	6.077	A
B-A	27	7	559	0.048	27	0.0	0.1	6.766	A
C-AB	90	23	630	0.144	90	0.2	0.2	6.790	A
C-A	62	15			62				
A-B	24	6			24				
A-C	142	36			142				

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	66	17	641	0.103	66	0.1	0.1	6.326	A
B-A	33	8	539	0.061	33	0.1	0.1	7.118	A
C-AB	114	28	633	0.180	114	0.2	0.3	7.059	A
C-A	72	18			72				
A-B	30	7			30				
A-C	174	43			174				

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	66	17	641	0.103	66	0.1	0.1	6.326	A
B-A	33	8	539	0.061	33	0.1	0.1	7.119	A
C-AB	114	28	633	0.180	114	0.3	0.3	7.066	A
C-A	72	18			72				
A-B	30	7			30				
A-C	174	43			174				

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	54	13	652	0.083	54	0.1	0.1	6.082	A
B-A	27	7	559	0.048	27	0.1	0.1	6.772	A
C-AB	90	23	630	0.144	91	0.3	0.2	6.795	A
C-A	61	15			61				
A-B	24	6			24				
A-C	142	36			142				

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	45	11	660	0.068	45	0.1	0.1	5.912	A
B-A	23	6	573	0.039	23	0.1	0.0	6.537	A
C-AB	74	19	628	0.118	74	0.2	0.2	6.621	A
C-A	53	13			53				
A-B	20	5			20				
A-C	119	30			119				

2029 + Dev Adjusted, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	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		2.68	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.68	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 + Dev Adjusted	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	✓	134	100.000
B		ONE HOUR	✓	64	100.000
C		ONE HOUR	✓	149	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	15	119
	B	19	0	45
	C	77	72	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	1
	B	0	0	0
	C	0	1	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	0.08	5.92	0.1	A	41	62
B-A	0.04	6.66	0.0	A	17	28
C-AB	0.14	6.59	0.2	A	75	112
C-A					62	93
A-B					14	21
A-C					109	164

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	34	8	672	0.050	34	0.0	0.1	5.640	A
B-A	14	4	589	0.024	14	0.0	0.0	6.264	A
C-AB	60	15	635	0.094	59	0.0	0.1	6.302	A
C-A	53	13			53				
A-B	11	3			11				
A-C	90	22			90				

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	40	10	666	0.061	40	0.1	0.1	5.755	A
B-A	17	4	577	0.030	17	0.0	0.0	6.426	A
C-AB	73	18	638	0.114	73	0.1	0.1	6.419	A
C-A	61	15			61				
A-B	13	3			13				
A-C	107	27			107				

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	50	12	658	0.075	49	0.1	0.1	5.918	A
B-A	21	5	561	0.037	21	0.0	0.0	6.663	A
C-AB	91	23	643	0.142	91	0.1	0.2	6.584	A
C-A	73	18			73				
A-B	17	4			17				
A-C	131	33			131				

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	50	12	658	0.075	50	0.1	0.1	5.918	A
B-A	21	5	561	0.037	21	0.0	0.0	6.664	A
C-AB	91	23	643	0.142	91	0.2	0.2	6.588	A
C-A	73	18			73				
A-B	17	4			17				
A-C	131	33			131				

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	40	10	666	0.061	41	0.1	0.1	5.756	A
B-A	17	4	577	0.030	17	0.0	0.0	6.428	A
C-AB	73	18	638	0.114	73	0.2	0.1	6.422	A
C-A	61	15			61				
A-B	13	3			13				
A-C	107	27			107				

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	34	8	672	0.050	34	0.1	0.1	5.644	A
B-A	14	4	589	0.024	14	0.0	0.0	6.267	A
C-AB	60	15	635	0.094	60	0.1	0.1	6.315	A
C-A	52	13			52				
A-B	11	3			11				
A-C	90	22			90				