

Junctions 9

PICADY 9 - Priority Intersection Module

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Filename: 1901 110320 Golborne Myddleton ASA FLAT.j9

Path: C:\Users\Brad\Highgate Transportation\HTp - Documents\1900 - Projects\1901 - Peel Hall\Modelling\Off-Site Junctions\CJ\Option A\Golborne Myddleton\Flat

Report generation date: 11/03/2020 14:06:37

Summary of junction performance

	AM				PM			
	Queue (Veh)	Delay (s)	RFC	LOS	Queue (Veh)	Delay (s)	RFC	LOS
2022 Do Minimum								
Stream B-C	1.2	13.89	0.55	B	2.3	28.69	0.71	D
Stream B-A	0.4	26.76	0.29	D	3.2	57.11	0.78	F
Stream C-AB	53.4	286.47	1.06	F	11.7	55.94	0.92	F
2022 Do Something								
Stream B-C	1.2	14.22	0.56	B	2.3	29.36	0.71	D
Stream B-A	0.4	27.32	0.30	D	3.3	58.48	0.79	F
Stream C-AB	54.4	291.50	1.06	F	12.1	57.83	0.92	F
2022 Do Something (FULL)								
Stream B-C	2.0	19.41	0.67	C	3.6	47.27	0.81	E
Stream B-A	0.6	35.50	0.37	E	4.7	82.13	0.85	F
Stream C-AB	65.5	348.04	1.09	F	18.7	89.09	0.96	F
2027 Do Minimum								
Stream B-C	1.4	15.43	0.58	C	3.1	39.27	0.77	E
Stream B-A	0.5	33.25	0.35	D	4.2	71.20	0.83	F
Stream C-AB	70.3	371.27	1.10	F	11.2	52.81	0.91	F
2027 Do Something								
Stream B-C	1.7	18.15	0.64	C	6.2	80.23	0.90	F
Stream B-A	0.6	39.11	0.41	E	6.2	103.22	0.90	F
Stream C-AB	77.2	407.24	1.11	F	12.6	58.96	0.92	F
2032 Do Minimum								
Stream B-C	1.5	16.72	0.61	C	12.1	148.32	0.98	F
Stream B-A	0.6	38.83	0.41	E	10.1	162.88	0.96	F
Stream C-AB	82.2	432.17	1.12	F	17.8	83.15	0.96	F
2032 Do Something (FULL)								
Stream B-C	2.4	24.56	0.72	C	22.0	258.15	1.06	F
Stream B-A	1.1	62.17	0.55	F	17.6	270.29	1.05	F
Stream C-AB	102.3	535.64	1.15	F	30.0	137.40	1.00	F

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.

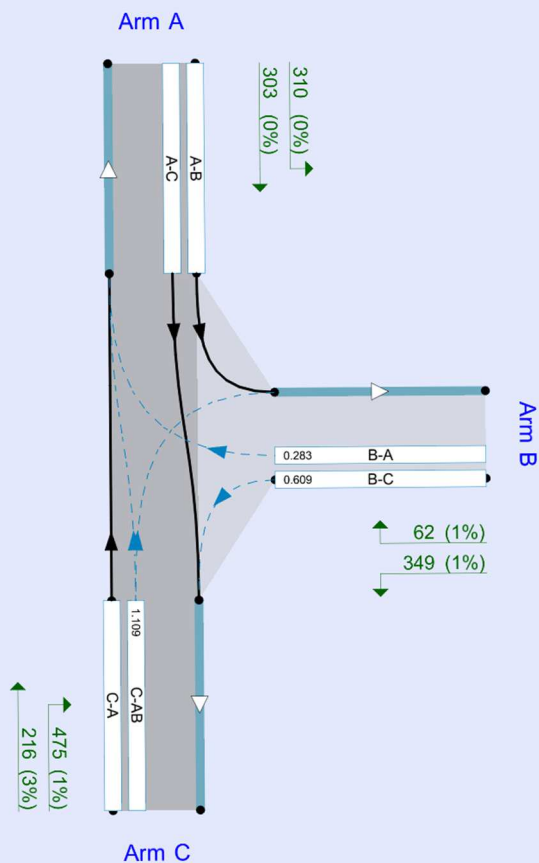
File summary

File Description

Title	
Location	
Site number	
Date	24/01/2020
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	Veh	Veh	perHour	s	-Min	perMin



Flows show original traffic demand (Veh/hr).
Streams (downstream end) show RFC (l)

The junction diagram reflects the last run of Junctions.

Analysis Options

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
✓		0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D1	2022 Do Minimum	AM	FLAT	08:00	09:00	60	15
D2	2022 Do Minimum	PM	FLAT	17:00	18:00	60	15
D3	2022 Do Something	AM	FLAT	08:00	09:00	60	15
D4	2022 Do Something	PM	FLAT	17:00	18:00	60	15
D5	2022 Do Something (FULL)	AM	FLAT	08:00	09:00	60	15
D6	2022 Do Something (FULL)	PM	FLAT	17:00	18:00	60	15
D7	2027 Do Minimum	AM	FLAT	08:00	09:00	60	15
D8	2027 Do Minimum	PM	FLAT	17:00	18:00	60	15
D9	2027 Do Something	AM	FLAT	08:00	09:00	60	15
D10	2027 Do Something	PM	FLAT	17:00	18:00	60	15
D11	2032 Do Minimum	AM	FLAT	08:00	09:00	60	15
D12	2032 Do Minimum	PM	FLAT	17:00	18:00	60	15
D13	2032 Do Something (FULL)	AM	FLAT	08:00	09:00	60	15
D14	2032 Do Something (FULL)	PM	FLAT	17:00	18:00	60	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2022 Do Minimum, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		123.80	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Golborne Road (N)		Major
B	Myddleton Lane		Minor
C	Golborne Road (S)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.80			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	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	9.95	6.10	4.36	3.45	✓	2.00	80	26

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	552	0.097	0.245	0.154	0.350
B-C	740	0.110	0.277	-	-
C-B	632	0.236	0.236	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D1	2022 Do Minimum	AM	FLAT	08:00	09:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	573	100.000
B		✓	368	100.000
C		✓	670	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	268	305
	B	54	0	314
	C	206	464	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	1	0	1
	C	4	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.55	13.89	1.2	?	B
B-A	0.29	26.76	0.4	~1	D
C-AB	1.06	286.47	53.4	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	314	585	0.537	310	1.1	12.880	B
B-A	54	236	0.229	53	0.3	19.527	C
C-AB	670	630	1.063	593	19.1	70.500	F
C-A	0			0			
A-B	268			268			
A-C	305			305			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	314	580	0.542	314	1.2	13.523	B
B-A	54	214	0.252	54	0.3	22.428	C
C-AB	670	630	1.063	621	31.4	159.506	F
C-A	0			0			
A-B	268			268			
A-C	305			305			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	314	576	0.545	314	1.2	13.701	B
B-A	54	201	0.269	54	0.4	24.500	C
C-AB	670	630	1.063	625	42.6	224.696	F
C-A	0			0			
A-B	268			268			
A-C	305			305			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	314	573	0.548	314	1.2	13.887	B
B-A	54	188	0.287	54	0.4	26.759	D
C-AB	670	630	1.063	627	53.4	286.471	F
C-A	0			0			
A-B	268			268			
A-C	305			305			

Queue Variation Results for each time segment

08:00 - 08:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.12	?	?	?	?			N/A	N/A
B-A	0.29	~1	~1	~1	~1			N/A	N/A
C-AB	19.15	?	?	?	?			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.16	?	?	?	?			N/A	N/A
B-A	0.33	~1	~1	~1	~1			N/A	N/A
C-AB	31.38	?	?	?	?			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.18	?	?	?	?			N/A	N/A
B-A	0.36	~1	~1	~1	~1			N/A	N/A
C-AB	42.63	?	?	?	?			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.19	?	?	?	?			N/A	N/A
B-A	0.39	~1	~1	~1	~1			N/A	N/A
C-AB	53.44	?	?	?	?			N/A	N/A

2022 Do Minimum, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		39.01	E

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D2	2022 Do Minimum	PM	FLAT	17:00	18:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	313	100.000
B		✓	518	100.000
C		✓	718	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
	A	B	C	
From	A	0	172	141
	B	216	0	302
	C	306	412	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.71	28.69	2.3	?	D
B-A	0.78	57.11	3.2	?	F
C-AB	0.92	55.94	11.7	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	473	0.638	295	1.7	19.578	C
B-A	216	294	0.734	207	2.4	37.889	E
C-AB	689	761	0.905	657	8.1	30.839	D
C-A	29			29			
A-B	172			172			
A-C	141			141			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	439	0.688	300	2.1	25.605	D
B-A	216	281	0.768	214	2.9	51.147	F
C-AB	704	770	0.915	697	10.0	47.838	E
C-A	14			14			
A-B	172			172			
A-C	141			141			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	430	0.702	301	2.2	27.619	D
B-A	216	278	0.776	215	3.1	55.060	F
C-AB	708	773	0.916	704	11.0	53.005	F
C-A	10			10			
A-B	172			172			
A-C	141			141			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	426	0.709	302	2.3	28.693	D
B-A	216	277	0.781	215	3.2	57.111	F
C-AB	710	774	0.917	707	11.7	55.940	F
C-A	8			8			
A-B	172			172			
A-C	141			141			

Queue Variation Results for each time segment

17:00 - 17:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.66	?	?	?	?			N/A	N/A
B-A	2.36	?	?	?	?			N/A	N/A
C-AB	8.07	?	?	?	?			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.06	?	?	?	?			N/A	N/A
B-A	2.86	?	?	?	?			N/A	N/A
C-AB	9.99	?	?	?	?			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.22	?	?	?	?			N/A	N/A
B-A	3.09	?	?	?	?			N/A	N/A
C-AB	11.00	?	?	?	?			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.31	?	?	?	?			N/A	N/A
B-A	3.24	?	?	?	?			N/A	N/A
C-AB	11.65	?	?	?	?			N/A	N/A

2022 Do Something, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		125.69	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D3	2022 Do Something	AM	FLAT	08:00	09:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	573	100.000
B		✓	374	100.000
C		✓	671	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	270	303
	B	55	0	319
	C	206	465	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	1	0	1
	C	4	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.56	14.22	1.2	?	B
B-A	0.30	27.32	0.4	~1	D
C-AB	1.06	291.50	54.4	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	319	584	0.546	314	1.2	13.125	B
B-A	55	235	0.234	54	0.3	19.740	C
C-AB	671	630	1.065	594	19.4	71.117	F
C-A	0			0			
A-B	270			270			
A-C	303			303			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	319	579	0.551	319	1.2	13.817	B
B-A	55	213	0.258	55	0.3	22.753	C
C-AB	671	630	1.065	621	31.8	161.499	F
C-A	0			0			
A-B	270			270			
A-C	303			303			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	319	576	0.554	319	1.2	14.012	B
B-A	55	199	0.276	55	0.4	24.927	C
C-AB	671	630	1.065	625	43.4	228.160	F
C-A	0			0			
A-B	270			270			
A-C	303			303			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	319	572	0.558	319	1.2	14.219	B
B-A	55	186	0.295	55	0.4	27.321	D
C-AB	671	630	1.065	627	54.4	291.502	F
C-A	0			0			
A-B	270			270			
A-C	303			303			

Queue Variation Results for each time segment

08:00 - 08:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.16	?	?	?	?			N/A	N/A
B-A	0.30	~1	~1	~1	~1			N/A	N/A
C-AB	19.36	?	?	?	?			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.20	?	?	?	?			N/A	N/A
B-A	0.34	~1	~1	~1	~1			N/A	N/A
C-AB	31.84	?	?	?	?			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.22	?	?	?	?			N/A	N/A
B-A	0.37	~1	~1	~1	~1			N/A	N/A
C-AB	43.35	?	?	?	?			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.24	?	?	?	?			N/A	N/A
B-A	0.41	~1	~1	~1	~1			N/A	N/A
C-AB	54.44	?	?	?	?			N/A	N/A

2022 Do Something, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		40.27	E

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D4	2022 Do Something	PM	FLAT	17:00	18:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	314	100.000
B		✓	517	100.000
C		✓	720	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	173	141
	B	217	0	300
	C	307	413	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.71	29.36	2.3	?	D
B-A	0.79	58.48	3.3	?	F
C-AB	0.92	57.83	12.1	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	300	471	0.638	293	1.7	19.664	C
B-A	217	294	0.738	207	2.4	38.265	E
C-AB	692	762	0.908	659	8.2	31.275	D
C-A	28			28			
A-B	173			173			
A-C	141			141			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	300	435	0.690	298	2.1	25.940	D
B-A	217	281	0.773	215	2.9	52.008	F
C-AB	708	771	0.918	700	10.3	49.020	E
C-A	12			12			
A-B	173			173			
A-C	141			141			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	300	426	0.704	299	2.2	28.141	D
B-A	217	278	0.781	216	3.2	56.215	F
C-AB	711	774	0.920	707	11.3	54.600	F
C-A	9			9			
A-B	173			173			
A-C	141			141			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	300	421	0.712	300	2.3	29.355	D
B-A	217	276	0.786	216	3.3	58.481	F
C-AB	713	775	0.921	711	12.1	57.830	F
C-A	7			7			
A-B	173			173			
A-C	141			141			

Queue Variation Results for each time segment

17:00 - 17:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.66	?	?	?	?			N/A	N/A
B-A	2.39	?	?	?	?			N/A	N/A
C-AB	8.24	?	?	?	?			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.07	?	?	?	?			N/A	N/A
B-A	2.92	?	?	?	?			N/A	N/A
C-AB	10.26	?	?	?	?			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.24	?	?	?	?			N/A	N/A
B-A	3.17	?	?	?	?			N/A	N/A
C-AB	11.35	?	?	?	?			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.35	?	?	?	?			N/A	N/A
B-A	3.32	?	?	?	?			N/A	N/A
C-AB	12.05	?	?	?	?			N/A	N/A

2022 Do Something (FULL), AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		146.06	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D5	2022 Do Something (FULL)	AM	FLAT	08:00	09:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	584	100.000
B		✓	435	100.000
C		✓	680	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	287	297
	B	60	0	375
	C	207	473	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	1	0	1
	C	4	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.67	19.41	2.0	?	C
B-A	0.37	35.50	0.6	~1	E
C-AB	1.09	348.04	65.5	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	375	579	0.648	368	1.7	16.564	C
B-A	60	217	0.277	59	0.4	22.578	C
C-AB	680	626	1.087	593	21.7	78.042	F
C-A	0			0			
A-B	287			287			
A-C	297			297			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	375	572	0.656	375	1.8	18.189	C
B-A	60	192	0.313	60	0.4	27.194	D
C-AB	680	626	1.087	619	36.9	183.862	F
C-A	0			0			
A-B	287			287			
A-C	297			297			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	375	566	0.662	375	1.9	18.748	C
B-A	60	176	0.341	60	0.5	30.921	D
C-AB	680	626	1.087	622	51.4	267.144	F
C-A	0			0			
A-B	287			287			
A-C	297			297			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	375	559	0.670	375	2.0	19.415	C
B-A	60	161	0.373	60	0.6	35.500	E
C-AB	680	626	1.087	623	65.5	348.038	F
C-A	0			0			
A-B	287			287			
A-C	297			297			

Queue Variation Results for each time segment

08:00 - 08:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.74	?	?	?	?			N/A	N/A
B-A	0.37	~1	~1	~1	~1			N/A	N/A
C-AB	21.71	?	?	?	?			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.84	?	?	?	?			N/A	N/A
B-A	0.44	~1	~1	~1	~1			N/A	N/A
C-AB	36.94	?	?	?	?			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.90	?	?	?	?			N/A	N/A
B-A	0.50	~1	~1	~1	~1			N/A	N/A
C-AB	51.39	?	?	?	?			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.97	?	?	?	?			N/A	N/A
B-A	0.57	~1	~1	~1	~1			N/A	N/A
C-AB	65.53	?	?	?	?			N/A	N/A

2022 Do Something (FULL), PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		61.91	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D6	2022 Do Something (FULL)	PM	FLAT	17:00	18:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	327	100.000
B		✓	515	100.000
C		✓	746	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
	A	B	C	
From	A	0	182	145
	B	221	0	294
	C	318	428	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.81	47.27	3.6	?	E
B-A	0.85	82.13	4.7	?	F
C-AB	0.96	89.09	18.7	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	294	448	0.656	287	1.8	21.466	C
B-A	221	286	0.773	210	2.8	42.731	E
C-AB	731	768	0.951	687	10.9	38.128	E
C-A	15			15			
A-B	182			182			
A-C	145			145			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	294	398	0.739	291	2.5	32.615	D
B-A	221	269	0.821	218	3.6	63.844	F
C-AB	746	776	0.961	731	14.8	68.188	F
C-A	0			0			
A-B	182			182			
A-C	145			145			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	294	378	0.778	292	3.1	40.227	E
B-A	221	263	0.840	219	4.2	74.249	F
C-AB	746	777	0.960	737	17.1	80.856	F
C-A	0			0			
A-B	182			182			
A-C	145			145			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	294	365	0.807	292	3.6	47.273	E
B-A	221	259	0.853	219	4.7	82.125	F
C-AB	746	777	0.960	739	18.7	89.088	F
C-A	0			0			
A-B	182			182			
A-C	145			145			

Queue Variation Results for each time segment

17:00 - 17:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.78	?	?	?	?			N/A	N/A
B-A	2.76	?	?	?	?			N/A	N/A
C-AB	10.92	?	?	?	?			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.54	?	?	?	?			N/A	N/A
B-A	3.63	?	?	?	?			N/A	N/A
C-AB	14.76	?	?	?	?			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	3.08	?	?	?	?			N/A	N/A
B-A	4.20	?	?	?	?			N/A	N/A
C-AB	17.05	?	?	?	?			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	3.60	?	?	?	?			N/A	N/A
B-A	4.66	?	?	?	?			N/A	N/A
C-AB	18.68	?	?	?	?			N/A	N/A

2027 Do Minimum, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		157.51	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D7	2027 Do Minimum	AM	FLAT	08:00	09:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	604	100.000
B		✓	383	100.000
C		✓	686	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	301	303
	B	59	0	324
	C	215	471	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.58	15.43	1.4	?	C
B-A	0.35	33.25	0.5	~1	D
C-AB	1.10	371.27	70.3	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	324	577	0.562	319	1.2	13.718	B
B-A	59	228	0.259	58	0.3	21.013	C
C-AB	686	626	1.096	595	22.8	80.776	F
C-A	0			0			
A-B	301			301			
A-C	303			303			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	324	570	0.569	324	1.3	14.613	B
B-A	59	202	0.292	59	0.4	25.110	D
C-AB	686	626	1.096	620	39.2	193.013	F
C-A	0			0			
A-B	301			301			
A-C	303			303			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	324	564	0.575	324	1.3	14.981	B
B-A	59	184	0.321	59	0.5	28.711	D
C-AB	686	626	1.096	623	54.9	283.177	F
C-A	0			0			
A-B	301			301			
A-C	303			303			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	324	557	0.582	324	1.4	15.434	C
B-A	59	167	0.354	59	0.5	33.250	D
C-AB	686	626	1.096	624	70.3	371.273	F
C-A	0			0			
A-B	301			301			
A-C	303			303			

Queue Variation Results for each time segment

08:00 - 08:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.24	?	?	?	?			N/A	N/A
B-A	0.34	~1	~1	~1	~1			N/A	N/A
C-AB	22.76	?	?	?	?			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.29	?	?	?	?			N/A	N/A
B-A	0.40	~1	~1	~1	~1			N/A	N/A
C-AB	39.19	?	?	?	?			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.32	?	?	?	?			N/A	N/A
B-A	0.46	~1	~1	~1	~1			N/A	N/A
C-AB	54.89	?	?	?	?			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.36	?	?	?	?			N/A	N/A
B-A	0.52	~1	~1	~1	~1			N/A	N/A
C-AB	70.30	?	?	?	?			N/A	N/A

2027 Do Minimum, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		41.30	E

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D8	2027 Do Minimum	PM	FLAT	17:00	18:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	329	100.000
B		✓	524	100.000
C		✓	725	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	181	148
	B	227	0	297
	C	322	403	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.77	39.27	3.1	?	E
B-A	0.83	71.20	4.2	?	F
C-AB	0.91	52.81	11.2	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	297	447	0.665	290	1.8	21.995	C
B-A	227	293	0.776	216	2.8	42.307	E
C-AB	692	770	0.899	661	7.9	29.807	D
C-A	33			33			
A-B	181			181			
A-C	148			148			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	297	404	0.735	294	2.5	31.839	D
B-A	227	279	0.813	224	3.5	60.708	F
C-AB	708	779	0.909	701	9.7	45.648	E
C-A	17			17			
A-B	181			181			
A-C	148			148			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	297	392	0.757	296	2.8	36.385	E
B-A	227	276	0.824	225	3.9	67.334	F
C-AB	712	782	0.911	708	10.6	50.258	F
C-A	13			13			
A-B	181			181			
A-C	148			148			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	297	386	0.770	296	3.1	39.271	E
B-A	227	274	0.829	226	4.2	71.198	F
C-AB	714	783	0.912	711	11.2	52.810	F
C-A	11			11			
A-B	181			181			
A-C	148			148			

Queue Variation Results for each time segment

17:00 - 17:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.84	?	?	?	?			N/A	N/A
B-A	2.81	?	?	?	?			N/A	N/A
C-AB	7.89	?	?	?	?			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.50	?	?	?	?			N/A	N/A
B-A	3.55	?	?	?	?			N/A	N/A
C-AB	9.69	?	?	?	?			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.83	?	?	?	?			N/A	N/A
B-A	3.94	?	?	?	?			N/A	N/A
C-AB	10.62	?	?	?	?			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	3.06	?	?	?	?			N/A	N/A
B-A	4.19	?	?	?	?			N/A	N/A
C-AB	11.20	?	?	?	?			N/A	N/A

2027 Do Something, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		170.38	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D9	2027 Do Something	AM	FLAT	08:00	09:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	613	100.000
B		✓	411	100.000
C		✓	691	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	310	303
	B	62	0	349
	C	216	475	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.64	18.15	1.7	?	C
B-A	0.41	39.11	0.6	~1	E
C-AB	1.11	407.24	77.2	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	349	573	0.609	343	1.5	15.307	C
B-A	62	219	0.283	60	0.4	22.510	C
C-AB	691	623	1.109	594	24.2	85.189	F
C-A	0			0			
A-B	310			310			
A-C	303			303			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	349	564	0.619	349	1.6	16.666	C
B-A	62	191	0.324	62	0.5	27.638	D
C-AB	691	623	1.109	618	42.4	207.246	F
C-A	0			0			
A-B	310			310			
A-C	303			303			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	349	556	0.627	349	1.6	17.295	C
B-A	62	172	0.360	62	0.5	32.506	D
C-AB	691	623	1.109	621	59.9	308.047	F
C-A	0			0			
A-B	310			310			
A-C	303			303			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	349	546	0.639	349	1.7	18.155	C
B-A	62	153	0.405	62	0.6	39.108	E
C-AB	691	623	1.109	622	77.2	407.237	F
C-A	0			0			
A-B	310			310			
A-C	303			303			

Queue Variation Results for each time segment

08:00 - 08:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.49	?	?	?	?			N/A	N/A
B-A	0.38	~1	~1	~1	~1			N/A	N/A
C-AB	24.24	?	?	?	?			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.57	?	?	?	?			N/A	N/A
B-A	0.46	~1	~1	~1	~1			N/A	N/A
C-AB	42.41	?	?	?	?			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.63	?	?	?	?			N/A	N/A
B-A	0.54	~1	~1	~1	~1			N/A	N/A
C-AB	59.93	?	?	?	?			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.71	?	?	?	?			N/A	N/A
B-A	0.64	~1	~1	~1	~1			N/A	N/A
C-AB	77.22	?	?	?	?			N/A	N/A

2027 Do Something, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		56.32	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D10	2027 Do Something	PM	FLAT	17:00	18:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	342	100.000
B		✓	535	100.000
C		✓	736	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
	A	B	C	
From	A	0	186	156
	B	233	0	302
	C	334	402	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.90	80.23	6.2	?	F
B-A	0.90	103.22	6.2	?	F
C-AB	0.92	58.96	12.6	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	424	0.712	293	2.2	25.945	D
B-A	233	285	0.816	220	3.3	48.076	E
C-AB	706	776	0.909	672	8.5	31.067	D
C-A	30			30			
A-B	186			186			
A-C	156			156			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	370	0.817	296	3.6	45.533	E
B-A	233	270	0.864	228	4.5	75.892	F
C-AB	724	786	0.921	715	10.7	49.368	E
C-A	12			12			
A-B	186			186			
A-C	156			156			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	349	0.866	297	4.8	62.133	F
B-A	233	264	0.883	230	5.4	90.731	F
C-AB	728	789	0.922	723	11.9	55.397	F
C-A	8			8			
A-B	186			186			
A-C	156			156			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	302	334	0.904	296	6.2	80.229	F
B-A	233	260	0.898	230	6.2	103.225	F
C-AB	730	791	0.924	727	12.6	58.962	F
C-A	6			6			
A-B	186			186			
A-C	156			156			

Queue Variation Results for each time segment

17:00 - 17:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.23	?	?	?	?			N/A	N/A
B-A	3.34	?	?	?	?			N/A	N/A
C-AB	8.48	?	?	?	?			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	3.63	?	?	?	?			N/A	N/A
B-A	4.55	?	?	?	?			N/A	N/A
C-AB	10.67	?	?	?	?			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	4.85	?	?	?	?			N/A	N/A
B-A	5.40	?	?	?	?			N/A	N/A
C-AB	11.86	?	?	?	?			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	6.24	?	?	?	?			N/A	N/A
B-A	6.16	?	?	?	?			N/A	N/A
C-AB	12.65	?	?	?	?			N/A	N/A

2032 Do Minimum, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		180.00	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D11	2032 Do Minimum	AM	FLAT	08:00	09:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	638	100.000
B		✓	394	100.000
C		✓	696	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	360	278
	B	63	0	331
	C	225	471	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.61	16.72	1.5	?	C
B-A	0.41	38.83	0.6	~1	E
C-AB	1.12	432.17	82.2	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	331	574	0.577	326	1.3	14.235	B
B-A	63	225	0.280	61	0.4	21.843	C
C-AB	696	623	1.118	595	25.4	88.166	F
C-A	0			0			
A-B	360			360			
A-C	278			278			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	331	565	0.586	331	1.4	15.347	C
B-A	63	196	0.321	63	0.5	26.861	D
C-AB	696	623	1.118	618	44.8	217.176	F
C-A	0			0			
A-B	360			360			
A-C	278			278			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	331	557	0.595	331	1.4	15.916	C
B-A	63	175	0.360	63	0.5	31.858	D
C-AB	696	623	1.118	621	63.6	325.357	F
C-A	0			0			
A-B	360			360			
A-C	278			278			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	331	545	0.607	331	1.5	16.724	C
B-A	63	155	0.407	63	0.6	38.835	E
C-AB	696	623	1.118	622	82.2	432.170	F
C-A	0			0			
A-B	360			360			
A-C	278			278			

Queue Variation Results for each time segment

08:00 - 08:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.31	?	?	?	?			N/A	N/A
B-A	0.38	~1	~1	~1	~1			N/A	N/A
C-AB	25.35	?	?	?	?			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.38	?	?	?	?			N/A	N/A
B-A	0.46	~1	~1	~1	~1			N/A	N/A
C-AB	44.76	?	?	?	?			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.43	?	?	?	?			N/A	N/A
B-A	0.54	~1	~1	~1	~1			N/A	N/A
C-AB	63.58	?	?	?	?			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.50	?	?	?	?			N/A	N/A
B-A	0.65	~1	~1	~1	~1			N/A	N/A
C-AB	82.18	?	?	?	?			N/A	N/A

2032 Do Minimum, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		89.13	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D12	2032 Do Minimum	PM	FLAT	17:00	18:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	348	100.000
B		✓	549	100.000
C		✓	755	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	192	156
	B	238	0	311
	C	341	414	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.98	148.32	12.1	?	F
B-A	0.96	162.88	10.1	?	F
C-AB	0.96	83.15	17.8	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	311	399	0.779	299	3.0	32.955	D
B-A	238	275	0.866	221	4.2	56.805	F
C-AB	736	780	0.944	693	10.6	36.365	E
C-A	19			19			
A-B	192			192			
A-C	156			156			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	311	322	0.966	292	7.7	87.028	F
B-A	238	254	0.937	228	6.6	105.582	F
C-AB	755	790	0.955	740	14.3	64.387	F
C-A	0			0			
A-B	192			192			
A-C	156			156			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	311	322	0.967	302	10.0	123.202	F
B-A	238	249	0.957	230	8.5	137.657	F
C-AB	755	791	0.954	747	16.4	75.921	F
C-A	0			0			
A-B	192			192			
A-C	156			156			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	311	318	0.977	303	12.1	148.318	F
B-A	238	247	0.965	232	10.1	162.884	F
C-AB	755	791	0.954	749	17.8	83.149	F
C-A	0			0			
A-B	192			192			
A-C	156			156			

Queue Variation Results for each time segment

17:00 - 17:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.99	?	?	?	?			N/A	N/A
B-A	4.15	?	?	?	?			N/A	N/A
C-AB	10.58	?	?	?	?			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	7.66	?	?	?	?			N/A	N/A
B-A	6.59	?	?	?	?			N/A	N/A
C-AB	14.25	?	?	?	?			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	10.02	?	?	?	?			N/A	N/A
B-A	8.48	?	?	?	?			N/A	N/A
C-AB	16.36	?	?	?	?			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	12.09	?	?	?	?			N/A	N/A
B-A	10.07	?	?	?	?			N/A	N/A
C-AB	17.81	?	?	?	?			N/A	N/A

2032 Do Something (FULL), AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		221.30	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D13	2032 Do Something (FULL)	AM	FLAT	08:00	09:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	650	100.000
B		✓	437	100.000
C		✓	714	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A	B	C
From	A	0	371	279
	B	67	0	370
	C	230	484	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	0.72	24.56	2.4	?	C
B-A	0.55	62.17	1.1	?	F
C-AB	1.15	535.64	102.3	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	370	567	0.653	363	1.8	17.119	C
B-A	67	207	0.323	65	0.5	25.018	D
C-AB	714	619	1.154	595	29.8	100.918	F
C-A	0			0			
A-B	371			371			
A-C	279			279			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	370	553	0.668	369	1.9	19.443	C
B-A	67	174	0.385	66	0.6	33.248	D
C-AB	714	619	1.154	616	54.3	258.332	F
C-A	0			0			
A-B	371			371			
A-C	279			279			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	370	538	0.687	369	2.1	21.163	C
B-A	67	148	0.452	66	0.8	43.491	E
C-AB	714	619	1.154	618	78.4	397.236	F
C-A	0			0			
A-B	371			371			
A-C	279			279			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	370	513	0.721	369	2.4	24.557	C
B-A	67	122	0.548	66	1.1	62.167	F
C-AB	714	619	1.154	618	102.3	535.642	F
C-A	0			0			
A-B	371			371			
A-C	279			279			

Queue Variation Results for each time segment

08:00 - 08:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.78	?	?	?	?			N/A	N/A
B-A	0.46	~1	~1	~1	~1			N/A	N/A
C-AB	29.78	?	?	?	?			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	1.93	?	?	?	?			N/A	N/A
B-A	0.59	~1	~1	~1	~1			N/A	N/A
C-AB	54.27	?	?	?	?			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.10	?	?	?	?			N/A	N/A
B-A	0.77	~1	~1	~1	~1			N/A	N/A
C-AB	78.35	?	?	?	?			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	2.41	?	?	?	?			N/A	N/A
B-A	1.08	?	?	?	?			N/A	N/A
C-AB	102.31	?	?	?	?			N/A	N/A

2032 Do Something (FULL), PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Flow Arm A	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm B	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Flow Arm C	Analysis Options	Queue percentiles cannot be calculated for the selected traffic profile type.
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		149.51	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)
D14	2032 Do Something (FULL)	PM	FLAT	17:00	18:00	60	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		✓	362	100.000
B		✓	559	100.000
C		✓	782	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
	A	B	C	
From	A	0	201	161
	B	244	0	315
	C	351	431	0

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-C	1.06	258.15	22.0	?	F
B-A	1.05	270.29	17.6	?	F
C-AB	1.00	137.40	30.0	?	F
C-A					
A-B					
A-C					

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	315	358	0.881	296	4.8	48.950	E
B-A	244	261	0.936	221	5.6	71.690	F
C-AB	780	784	0.995	721	14.9	46.710	E
C-A	2			2			
A-B	201			201			
A-C	161			161			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	315	305	1.032	289	11.3	125.151	F
B-A	244	244	1.002	229	9.5	145.346	F
C-AB	782	785	0.996	757	21.3	93.515	F
C-A	0			0			
A-B	201			201			
A-C	161			161			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	315	302	1.043	294	16.6	193.757	F
B-A	244	237	1.032	228	13.5	207.553	F
C-AB	782	785	0.996	763	26.1	118.007	F
C-A	0			0			
A-B	201			201			
A-C	161			161			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	315	298	1.056	293	22.0	258.154	F
B-A	244	233	1.046	228	17.6	270.295	F
C-AB	782	785	0.996	766	30.0	137.397	F
C-A	0			0			
A-B	201			201			
A-C	161			161			

Queue Variation Results for each time segment

17:00 - 17:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	4.79	?	?	?	?			N/A	N/A
B-A	5.64	?	?	?	?			N/A	N/A
C-AB	14.94	?	?	?	?			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	11.29	?	?	?	?			N/A	N/A
B-A	9.50	?	?	?	?			N/A	N/A
C-AB	21.29	?	?	?	?			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	16.59	?	?	?	?			N/A	N/A
B-A	13.49	?	?	?	?			N/A	N/A
C-AB	26.05	?	?	?	?			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-C	22.00	?	?	?	?			N/A	N/A
B-A	17.56	?	?	?	?			N/A	N/A
C-AB	30.01	?	?	?	?			N/A	N/A