

Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.5.1.7462
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Filename: 1901 230120 Poplars Avenue Central.j9

Path: C:\Users\Charlie\Highgate Transportation\HTp - 1901 - Peel Hall\Modelling\Site Access Junctions\CJ\Option A\Poplars Ave C\VEH 230120

Report generation date: 23/01/2020 12:21:52

Summary of junction performance

	AM				PM			
	Set ID	Queue (Veh)	Delay (s)	RFC	Set ID	Queue (Veh)	Delay (s)	RFC
	2022 Do Something							
Stream B-C	D1	0.1	5.16	0.06	D2	0.1	5.33	0.07
Stream B-A		0.0	7.29	0.03		0.1	7.53	0.06
Stream C-B		0.0	5.12	0.03		0.1	5.33	0.07
	2022 Do Something (FULL)							
Stream B-C	D3	0.2	6.04	0.14	D4	0.2	6.01	0.14
Stream B-A		0.1	8.54	0.07		0.1	9.17	0.11
Stream C-B		0.1	5.64	0.07		0.2	6.30	0.18
	2027 Do Something							
Stream B-C	D5	0.2	6.29	0.17	D6	0.5	8.28	0.34
Stream B-A		0.1	9.38	0.08		0.3	13.20	0.24
Stream C-B		0.2	6.41	0.17		0.6	8.32	0.37
	2032 Do Something (FULL)							
Stream B-C	D7	0.2	6.41	0.15	D8	0.2	6.42	0.15
Stream B-A		0.1	9.67	0.08		0.2	10.73	0.13
Stream C-B		0.1	5.96	0.08		0.2	6.75	0.20

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.

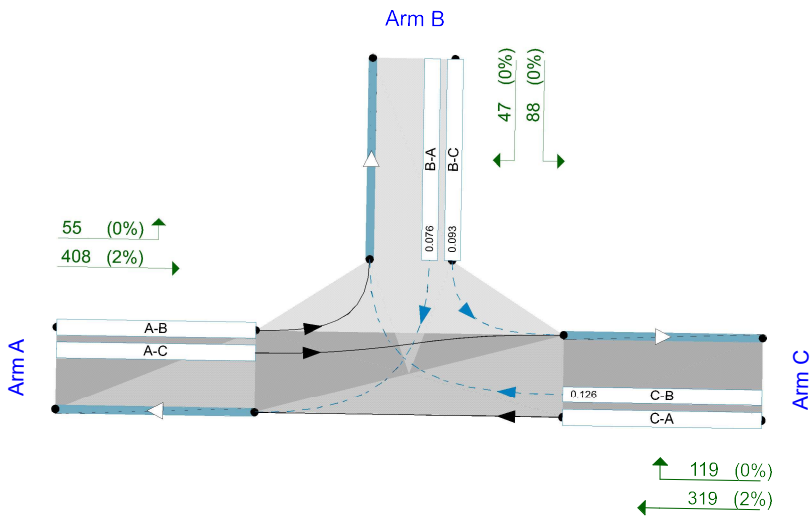
File summary

File Description

Title	(untitled)
Location	
Site number	
Date	02/03/2016
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	DESKTOP-MD9GBJC\Fiona
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 RPS (%)

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 segment length (min)
D1	2022 Do Something	AM	ONE HOUR	07:45	09:15	15
D2	2022 Do Something	PM	ONE HOUR	16:45	18:15	15
D3	2022 Do Something (FULL)	AM	ONE HOUR	07:45	09:15	15
D4	2022 Do Something (FULL)	PM	ONE HOUR	16:45	18:15	15
D5	2027 Do Something	AM	ONE HOUR	07:45	09:15	15
D6	2027 Do Something	PM	ONE HOUR	16:45	18:15	15
D7	2032 Do Something (FULL)	AM	ONE HOUR	07:45	09:15	15
D8	2032 Do Something (FULL)	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2022 Do Something, AM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		0.78	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Poplars Ave	WEST	Major
B	Site		Minor
C	Poplars Ave	EAST	Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	7.25		✓	3.50	250.0		-

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	6.50	3.80	3.60	3.60	✓	1.00	65	200

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	617	0.106	0.268	0.169	0.383
B-C	839	0.122	0.307	-	-
C-B	820	0.301	0.301	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.
Streams may be combined, in which case capacity will be adjusted.
Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	2022 Do Something	AM	ONE HOUR	07:45	09:15	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		✓	291	100.000
B		✓	49	100.000
C		✓	114	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A	B	C
	A	0	25	266
	B	12	0	37
	C	97	17	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	2
	B	0	0	0
From	C	8	0	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	0.06	5.16	0.1	0.5	A
B-A	0.03	7.29	0.0	0.5	A
C-A					
C-B	0.03	5.12	0.0	0.5	A
A-B					
A-C					

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	28	770	0.036	28	0.0	4.846	A
B-A	9	542	0.017	9	0.0	6.759	A
C-A	73			73			
C-B	13	753	0.017	13	0.0	4.860	A
A-B	19			19			
A-C	200			200			

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	33	757	0.044	33	0.0	4.974	A
B-A	11	527	0.020	11	0.0	6.973	A
C-A	87			87			
C-B	15	740	0.021	15	0.0	4.964	A
A-B	22			22			
A-C	239			239			

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	41	738	0.055	41	0.1	5.158	A
B-A	13	507	0.026	13	0.0	7.292	A
C-A	107			107			
C-B	19	722	0.026	19	0.0	5.115	A
A-B	28			28			
A-C	293			293			

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	41	738	0.055	41	0.1	5.158	A
B-A	13	507	0.026	13	0.0	7.292	A
C-A	107			107			
C-B	19	722	0.026	19	0.0	5.115	A
A-B	28			28			
A-C	293			293			

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	33	757	0.044	33	0.0	4.977	A
B-A	11	527	0.020	11	0.0	6.973	A
C-A	87			87			
C-B	15	740	0.021	15	0.0	4.966	A
A-B	22			22			
A-C	239			239			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	28	770	0.036	28	0.0	4.851	A
B-A	9	542	0.017	9	0.0	6.761	A
C-A	73			73			
C-B	13	753	0.017	13	0.0	4.860	A
A-B	19			19			
A-C	200			200			

Queue Variation Results for each time segment**07:45 - 08:00**

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	0.04	0.00	0.00	0.04	0.04			N/A	N/A
B-A	0.02	0.00	0.00	0.02	0.02			N/A	N/A
C-B	0.02	0.00	0.00	0.02	0.02			N/A	N/A

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	0.05	0.03	0.25	0.45	0.48			N/A	N/A
B-A	0.02	0.02	0.25	0.45	0.48			N/A	N/A
C-B	0.02	0.02	0.25	0.45	0.48			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	0.06	0.03	0.26	0.46	0.49			N/A	N/A
B-A	0.03	0.00	0.00	0.03	0.03			N/A	N/A
C-B	0.03	0.00	0.00	0.03	0.03			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	0.06	0.00	0.00	0.06	0.06			N/A	N/A
B-A	0.03	0.00	0.00	0.03	0.03			N/A	N/A
C-B	0.03	0.00	0.00	0.03	0.03			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	0.05	0.00	0.00	0.05	0.05			N/A	N/A
B-A	0.02	0.00	0.00	0.02	0.02			N/A	N/A
C-B	0.02	0.00	0.00	0.02	0.02			N/A	N/A

09:00 - 09:15

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	0.04	0.00	0.00	0.04	0.04			N/A	N/A
B-A	0.02	0.00	0.00	0.02	0.02			N/A	N/A
C-B	0.02	0.00	0.00	0.02	0.02			N/A	N/A

2022 Do Something, PM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		1.23	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	2022 Do Something	PM	ONE HOUR	16:45	18:15	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		✓	280	100.000
B		✓	75	100.000
C		✓	198	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A	B	C
From	A	0	39	241
	B	27	0	48
	C	153	45	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	4	0	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	0.07	5.33	0.1	0.5	A
B-A	0.06	7.53	0.1	0.5	A
C-A					
C-B	0.07	5.33	0.1	0.5	A
A-B					
A-C					

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	36	760	0.048	36	0.0	4.970	A
B-A	20	549	0.037	20	0.0	6.801	A
C-A	115			115			
C-B	34	755	0.045	34	0.0	4.986	A
A-B	29			29			
A-C	181			181			

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	43	747	0.058	43	0.1	5.116	A
B-A	24	532	0.046	24	0.0	7.091	A
C-A	138			138			
C-B	40	743	0.054	40	0.1	5.125	A
A-B	35			35			
A-C	217			217			

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	53	728	0.073	53	0.1	5.329	A
B-A	30	508	0.059	30	0.1	7.530	A
C-A	168			168			
C-B	50	725	0.068	49	0.1	5.326	A
A-B	43			43			
A-C	265			265			

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	53	728	0.073	53	0.1	5.330	A
B-A	30	508	0.059	30	0.1	7.530	A
C-A	168			168			
C-B	50	725	0.068	50	0.1	5.326	A
A-B	43			43			
A-C	265			265			

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	43	747	0.058	43	0.1	5.120	A
B-A	24	532	0.046	24	0.0	7.092	A
C-A	138			138			
C-B	40	743	0.054	41	0.1	5.125	A
A-B	35			35			
A-C	217			217			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	36	760	0.048	36	0.1	4.974	A
B-A	20	549	0.037	20	0.0	6.807	A
C-A	115			115			
C-B	34	755	0.045	34	0.0	4.989	A
A-B	29			29			
A-C	181			181			

Queue Variation Results for each time segment

16:45 - 17:00

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	0.05	0.00	0.00	0.05	0.05			N/A	N/A
B-A	0.04	0.00	0.00	0.04	0.04			N/A	N/A
C-B	0.05	0.00	0.00	0.05	0.05			N/A	N/A

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	0.06	0.03	0.25	0.45	0.48			N/A	N/A
B-A	0.05	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.06	0.03	0.25	0.45	0.48			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	0.08	0.03	0.26	0.47	0.49			N/A	N/A
B-A	0.06	0.03	0.26	0.47	0.49			N/A	N/A
C-B	0.07	0.03	0.26	0.47	0.49			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	0.08	0.00	0.00	0.08	0.08			N/A	N/A
B-A	0.06	0.00	0.00	0.06	0.06			N/A	N/A
C-B	0.07	0.00	0.00	0.07	0.07			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	0.06	0.00	0.00	0.06	0.06			N/A	N/A
B-A	0.05	0.00	0.00	0.05	0.05			N/A	N/A
C-B	0.06	0.00	0.00	0.06	0.06			N/A	N/A

18:00 - 18:15

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	0.05	0.00	0.00	0.05	0.05			N/A	N/A
B-A	0.04	0.00	0.00	0.04	0.04			N/A	N/A
C-B	0.05	0.00	0.00	0.05	0.05			N/A	N/A

2022 Do Something (FULL), AM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		1.42	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	2022 Do Something (FULL)	AM	ONE HOUR	07:45	09:15	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		✓	400	100.000
B		✓	119	100.000
C		✓	191	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
From		A	B	C
	A	0	33	367
	B	28	0	91
	C	148	43	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
From		A	B	C
	A	0	0	2
	B	0	0	0
	C	5	0	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	0.14	6.04	0.2	0.5	A
B-A	0.07	8.54	0.1	0.5	A
C-A					
C-B	0.07	5.64	0.1	0.5	A
A-B					
A-C					

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	69	742	0.092	68	0.1	5.339	A
B-A	21	504	0.042	21	0.0	7.446	A
C-A	111			111			
C-B	32	728	0.044	32	0.0	5.170	A
A-B	25			25			
A-C	276			276			

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	82	723	0.113	82	0.1	5.617	A
B-A	25	483	0.052	25	0.1	7.868	A
C-A	133			133			
C-B	39	710	0.054	39	0.1	5.358	A
A-B	30			30			
A-C	330			330			

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	100	696	0.144	100	0.2	6.041	A
B-A	31	452	0.068	31	0.1	8.536	A
C-A	163			163			
C-B	47	686	0.069	47	0.1	5.639	A
A-B	36			36			
A-C	404			404			

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	100	696	0.144	100	0.2	6.044	A
B-A	31	452	0.068	31	0.1	8.538	A
C-A	163			163			
C-B	47	686	0.069	47	0.1	5.639	A
A-B	36			36			
A-C	404			404			

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	82	722	0.113	82	0.1	5.623	A
B-A	25	483	0.052	25	0.1	7.872	A
C-A	133			133			
C-B	39	710	0.054	39	0.1	5.362	A
A-B	30			30			
A-C	330			330			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	69	742	0.092	69	0.1	5.348	A
B-A	21	504	0.042	21	0.0	7.451	A
C-A	111			111			
C-B	32	728	0.044	32	0.0	5.175	A
A-B	25			25			
A-C	276			276			

Queue Variation Results for each time segment**07:45 - 08:00**

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.04	0.00	0.00	0.04	0.04			N/A	N/A
C-B	0.05	0.00	0.00	0.05	0.05			N/A	N/A

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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.05	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.06	0.03	0.25	0.45	0.48			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	0.17	0.03	0.26	0.46	0.49			N/A	N/A
B-A	0.07	0.03	0.26	0.47	0.49			N/A	N/A
C-B	0.07	0.03	0.26	0.47	0.49			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	0.17	0.03	0.25	0.45	0.48			N/A	N/A
B-A	0.07	0.00	0.00	0.07	0.07			N/A	N/A
C-B	0.07	0.00	0.00	0.07	0.07			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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.06	0.00	0.00	0.06	0.06			N/A	N/A
C-B	0.06	0.00	0.00	0.06	0.06			N/A	N/A

09:00 - 09:15

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.04	0.00	0.00	0.04	0.04			N/A	N/A
C-B	0.05	0.00	0.00	0.05	0.05			N/A	N/A

2022 Do Something (FULL), PM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		2.05	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	2022 Do Something (FULL)	PM	ONE HOUR	16:45	18:15	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		✓	357	100.000
B		✓	135	100.000
C		✓	318	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	57	300
	B	44	0	91
	C	201	117	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	2
	B	0	0	0
From	C	3	0	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	0.14	6.01	0.2	0.5	A
B-A	0.11	9.17	0.1	0.5	A
C-A					
C-B	0.18	6.30	0.2	0.9	A
A-B					
A-C					

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	69	743	0.092	68	0.1	5.333	A
B-A	33	502	0.066	33	0.1	7.663	A
C-A	151			151			
C-B	88	738	0.119	88	0.1	5.527	A
A-B	43			43			
A-C	226			226			

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	82	725	0.113	82	0.1	5.599	A
B-A	40	477	0.083	39	0.1	8.233	A
C-A	181			181			
C-B	105	722	0.146	105	0.2	5.830	A
A-B	51			51			
A-C	270			270			

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	100	699	0.143	100	0.2	6.004	A
B-A	48	441	0.110	48	0.1	9.161	A
C-A	221			221			
C-B	129	700	0.184	129	0.2	6.297	A
A-B	63			63			
A-C	330			330			

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	100	699	0.143	100	0.2	6.007	A
B-A	48	441	0.110	48	0.1	9.167	A
C-A	221			221			
C-B	129	700	0.184	129	0.2	6.298	A
A-B	63			63			
A-C	330			330			

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	82	725	0.113	82	0.1	5.605	A
B-A	40	477	0.083	40	0.1	8.241	A
C-A	181			181			
C-B	105	722	0.146	105	0.2	5.838	A
A-B	51			51			
A-C	270			270			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	69	742	0.092	69	0.1	5.345	A
B-A	33	502	0.066	33	0.1	7.680	A
C-A	151			151			
C-B	88	738	0.119	88	0.1	5.540	A
A-B	43			43			
A-C	226			226			

Queue Variation Results for each time segment

16:45 - 17:00

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.07	0.00	0.00	0.07	0.07			N/A	N/A
C-B	0.13	0.00	0.00	0.13	0.13			N/A	N/A

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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.09	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.17	0.00	0.00	0.17	0.17			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	0.17	0.03	0.26	0.46	0.49			N/A	N/A
B-A	0.12	0.03	0.26	0.47	0.49			N/A	N/A
C-B	0.22	0.03	0.26	0.46	0.48			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	0.17	0.03	0.25	0.45	0.48			N/A	N/A
B-A	0.12	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.22	0.03	0.27	0.49	0.90			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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.09	0.00	0.00	0.09	0.09			N/A	N/A
C-B	0.17	0.00	0.00	0.17	0.17			N/A	N/A

18:00 - 18:15

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.07	0.00	0.00	0.07	0.07			N/A	N/A
C-B	0.14	0.00	0.00	0.14	0.14			N/A	N/A

2027 Do Something, AM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		1.97	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	2027 Do Something	AM	ONE HOUR	07:45	09:15	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		✓	420	100.000
B		✓	136	100.000
C		✓	262	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A	B	C
From	A	0	39	381
	B	31	0	105
	C	155	107	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	5	0	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	0.17	6.29	0.2	0.5	A
B-A	0.08	9.38	0.1	0.5	A
C-A					
C-B	0.17	6.41	0.2	0.5	A
A-B					
A-C					

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	79	737	0.107	79	0.1	5.463	A
B-A	23	481	0.049	23	0.1	7.864	A
C-A	117			117			
C-B	81	724	0.111	80	0.1	5.590	A
A-B	29			29			
A-C	287			287			

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	94	717	0.132	94	0.2	5.782	A
B-A	28	454	0.061	28	0.1	8.439	A
C-A	139			139			
C-B	96	705	0.136	96	0.2	5.911	A
A-B	35			35			
A-C	343			343			

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	116	688	0.168	115	0.2	6.287	A
B-A	34	418	0.082	34	0.1	9.378	A
C-A	171			171			
C-B	118	679	0.174	118	0.2	6.412	A
A-B	43			43			
A-C	419			419			

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	116	688	0.168	116	0.2	6.290	A
B-A	34	418	0.082	34	0.1	9.384	A
C-A	171			171			
C-B	118	679	0.174	118	0.2	6.415	A
A-B	43			43			
A-C	419			419			

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	94	717	0.132	95	0.2	5.789	A
B-A	28	454	0.061	28	0.1	8.447	A
C-A	139			139			
C-B	96	705	0.136	96	0.2	5.919	A
A-B	35			35			
A-C	343			343			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	79	737	0.107	79	0.1	5.475	A
B-A	23	480	0.049	23	0.1	7.878	A
C-A	117			117			
C-B	81	724	0.111	81	0.1	5.599	A
A-B	29			29			
A-C	287			287			

Queue Variation Results for each time segment

07:45 - 08:00

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	0.12	0.00	0.00	0.12	0.12			N/A	N/A
B-A	0.05	0.00	0.00	0.05	0.05			N/A	N/A
C-B	0.12	0.00	0.00	0.12	0.12			N/A	N/A

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	0.15	0.00	0.00	0.15	0.15			N/A	N/A
B-A	0.06	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.16	0.00	0.00	0.16	0.16			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	0.20	0.03	0.26	0.46	0.49			N/A	N/A
B-A	0.09	0.03	0.26	0.47	0.49			N/A	N/A
C-B	0.21	0.03	0.26	0.46	0.49			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	0.20	0.03	0.26	0.46	0.49			N/A	N/A
B-A	0.09	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.21	0.03	0.26	0.47	0.50			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	0.15	0.00	0.00	0.15	0.15			N/A	N/A
B-A	0.07	0.00	0.00	0.07	0.07			N/A	N/A
C-B	0.16	0.00	0.00	0.16	0.16			N/A	N/A

09:00 - 09:15

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	0.12	0.00	0.00	0.12	0.12			N/A	N/A
B-A	0.05	0.00	0.00	0.05	0.05			N/A	N/A
C-B	0.13	0.00	0.00	0.13	0.13			N/A	N/A

2027 Do Something, PM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		4.00	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	2027 Do Something	PM	ONE HOUR	16:45	18:15	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		✓	410	100.000
B		✓	276	100.000
C		✓	438	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
From		A	B	C
	A	0	58	352
	B	77	0	199
	C	211	227	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
From		A	B	C
	A	0	0	2
	B	0	0	0
	C	3	0	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	0.34	8.28	0.5	2.3	A
B-A	0.24	13.20	0.3	1.4	B
C-A					
C-B	0.37	8.32	0.6	2.7	A
A-B					
A-C					

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	150	721	0.208	149	0.3	6.281	A
B-A	58	447	0.130	57	0.1	9.219	A
C-A	159			159			
C-B	171	726	0.235	170	0.3	6.456	A
A-B	44			44			
A-C	265			265			

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	179	695	0.258	179	0.3	6.969	A
B-A	69	410	0.169	69	0.2	10.537	B
C-A	190			190			
C-B	204	708	0.288	204	0.4	7.142	A
A-B	52			52			
A-C	316			316			

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	219	654	0.335	218	0.5	8.249	A
B-A	85	358	0.237	84	0.3	13.148	B
C-A	232			232			
C-B	250	682	0.366	249	0.6	8.297	A
A-B	64			64			
A-C	388			388			

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	219	654	0.335	219	0.5	8.280	A
B-A	85	357	0.237	85	0.3	13.203	B
C-A	232			232			
C-B	250	682	0.366	250	0.6	8.323	A
A-B	64			64			
A-C	388			388			

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	179	694	0.258	179	0.4	7.001	A
B-A	69	410	0.169	70	0.2	10.590	B
C-A	190			190			
C-B	204	708	0.288	205	0.4	7.168	A
A-B	52			52			
A-C	316			316			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	150	720	0.208	150	0.3	6.317	A
B-A	58	447	0.130	58	0.2	9.273	A
C-A	159			159			
C-B	171	726	0.235	171	0.3	6.495	A
A-B	44			44			
A-C	265			265			

Queue Variation Results for each time segment**16:45 - 17:00**

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	0.26	0.00	0.00	0.26	0.26			N/A	N/A
B-A	0.15	0.00	0.00	0.15	0.15			N/A	N/A
C-B	0.30	0.00	0.00	0.30	0.30			N/A	N/A

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	0.34	0.00	0.00	0.34	0.34			N/A	N/A
B-A	0.20	0.00	0.00	0.20	0.20			N/A	N/A
C-B	0.40	0.00	0.00	0.40	0.40			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	0.50	0.03	0.26	0.50	0.50			N/A	N/A
B-A	0.30	0.03	0.26	0.46	0.49			N/A	N/A
C-B	0.57	0.03	0.26	0.57	0.57			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	0.50	0.03	0.30	1.37	2.27			N/A	N/A
B-A	0.31	0.03	0.31	1.08	1.38			N/A	N/A
C-B	0.57	0.03	0.29	1.27	2.66			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	0.35	0.00	0.00	0.35	0.35			N/A	N/A
B-A	0.21	0.00	0.00	0.21	0.21			N/A	N/A
C-B	0.41	0.00	0.00	0.41	0.41			N/A	N/A

18:00 - 18:15

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	0.26	0.00	0.00	0.26	0.26			N/A	N/A
B-A	0.15	0.00	0.00	0.15	0.15			N/A	N/A
C-B	0.31	0.00	0.00	0.31	0.31			N/A	N/A

2032 Do Something (FULL), AM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		1.21	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D7	2032 Do Something (FULL)	AM	ONE HOUR	07:45	09:15	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		✓	499	100.000
B		✓	119	100.000
C		✓	300	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A	B	C
	A	0	31	468
	B	29	0	90
	C	255	45	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	1
	B	0	0	0
From	C	3	0	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	0.15	6.41	0.2	0.5	A
B-A	0.08	9.67	0.1	0.5	A
C-A					
C-B	0.08	5.96	0.1	0.5	A
A-B					
A-C					

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	68	718	0.094	67	0.1	5.529	A
B-A	22	472	0.046	22	0.0	7.995	A
C-A	192			192			
C-B	34	706	0.048	34	0.1	5.349	A
A-B	23			23			
A-C	352			352			

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	81	694	0.117	81	0.1	5.871	A
B-A	26	443	0.059	26	0.1	8.624	A
C-A	229			229			
C-B	40	684	0.059	40	0.1	5.590	A
A-B	28			28			
A-C	421			421			

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	99	661	0.150	99	0.2	6.407	A
B-A	32	404	0.079	32	0.1	9.671	A
C-A	281			281			
C-B	50	654	0.076	49	0.1	5.957	A
A-B	34			34			
A-C	515			515			

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	99	661	0.150	99	0.2	6.411	A
B-A	32	404	0.079	32	0.1	9.675	A
C-A	281			281			
C-B	50	654	0.076	50	0.1	5.957	A
A-B	34			34			
A-C	515			515			

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	81	694	0.117	81	0.1	5.875	A
B-A	26	443	0.059	26	0.1	8.631	A
C-A	229			229			
C-B	40	684	0.059	41	0.1	5.591	A
A-B	28			28			
A-C	421			421			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	68	718	0.094	68	0.1	5.541	A
B-A	22	472	0.046	22	0.0	8.005	A
C-A	192			192			
C-B	34	706	0.048	34	0.1	5.354	A
A-B	23			23			
A-C	352			352			

Queue Variation Results for each time segment**07:45 - 08:00**

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.05	0.00	0.00	0.05	0.05			N/A	N/A
C-B	0.05	0.00	0.00	0.05	0.05			N/A	N/A

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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.06	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.06	0.03	0.25	0.45	0.48			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	0.18	0.03	0.26	0.46	0.49			N/A	N/A
B-A	0.08	0.03	0.26	0.47	0.49			N/A	N/A
C-B	0.08	0.03	0.26	0.47	0.49			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	0.18	0.03	0.25	0.45	0.48			N/A	N/A
B-A	0.09	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.08	0.00	0.00	0.08	0.08			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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.06	0.00	0.00	0.06	0.06			N/A	N/A
C-B	0.06	0.00	0.00	0.06	0.06			N/A	N/A

09:00 - 09:15

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.05	0.00	0.00	0.05	0.05			N/A	N/A
C-B	0.05	0.00	0.00	0.05	0.05			N/A	N/A

2032 Do Something (FULL), PM

Data Errors and Warnings

Severity	Area	Item	Description
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
1107A	Poplars Ave central	T-Junction	Two-way		1.78	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D8	2032 Do Something (FULL)	PM	ONE HOUR	16:45	18:15	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		✓	463	100.000
B		✓	135	100.000
C		✓	438	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A	B	C
	A	0	55	408
	B	47	0	88
From	C	319	119	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	2
	B	0	0	0
From	C	2	0	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	0.15	6.42	0.2	0.5	A
B-A	0.13	10.73	0.2	0.5	B
C-A					
C-B	0.20	6.75	0.2	1.1	A
A-B					
A-C					

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	66	714	0.093	66	0.1	5.548	A
B-A	35	467	0.076	35	0.1	8.333	A
C-A	240			240			
C-B	90	714	0.126	89	0.1	5.757	A
A-B	41			41			
A-C	307			307			

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	79	691	0.115	79	0.1	5.885	A
B-A	42	433	0.097	42	0.1	9.199	A
C-A	287			287			
C-B	107	693	0.154	107	0.2	6.138	A
A-B	49			49			
A-C	367			367			

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	97	657	0.147	97	0.2	6.420	A
B-A	52	387	0.134	52	0.2	10.721	B
C-A	351			351			
C-B	131	664	0.197	131	0.2	6.742	A
A-B	61			61			
A-C	449			449			

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	97	657	0.147	97	0.2	6.424	A
B-A	52	387	0.134	52	0.2	10.733	B
C-A	351			351			
C-B	131	664	0.197	131	0.2	6.747	A
A-B	61			61			
A-C	449			449			

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	79	691	0.115	79	0.1	5.892	A
B-A	42	433	0.098	42	0.1	9.214	A
C-A	287			287			
C-B	107	693	0.154	107	0.2	6.148	A
A-B	49			49			
A-C	367			367			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	66	714	0.093	66	0.1	5.561	A
B-A	35	467	0.076	35	0.1	8.353	A
C-A	240			240			
C-B	90	714	0.126	90	0.1	5.769	A
A-B	41			41			
A-C	307			307			

Queue Variation Results for each time segment

16:45 - 17:00

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.08	0.00	0.00	0.08	0.08			N/A	N/A
C-B	0.14	0.00	0.00	0.14	0.14			N/A	N/A

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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.11	0.00	0.00	0.11	0.11			N/A	N/A
C-B	0.18	0.00	0.00	0.18	0.18			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	0.17	0.03	0.26	0.46	0.49			N/A	N/A
B-A	0.15	0.03	0.26	0.47	0.49			N/A	N/A
C-B	0.24	0.03	0.26	0.46	0.48			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	0.17	0.03	0.25	0.45	0.48			N/A	N/A
B-A	0.15	0.03	0.25	0.45	0.48			N/A	N/A
C-B	0.24	0.03	0.29	0.71	1.12			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	0.13	0.00	0.00	0.13	0.13			N/A	N/A
B-A	0.11	0.00	0.00	0.11	0.11			N/A	N/A
C-B	0.18	0.00	0.00	0.18	0.18			N/A	N/A

18:00 - 18:15

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	0.10	0.00	0.00	0.10	0.10			N/A	N/A
B-A	0.08	0.00	0.00	0.08	0.08			N/A	N/A
C-B	0.14	0.00	0.00	0.14	0.14			N/A	N/A