

<h1>Junctions 9</h1>
<h2>PICADY 9 - Priority Intersection Module</h2>
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**Filename:** Junction 2.j9

**Path:** U:\5167317\7 Calcs\72Model

**Report generation date:** 29/05/2020 20:11:56

- 
- »2018 Count year, AM
  - »2018 Count year, PM
  - »2022 Opening year, AM
  - »2022 Opening year, PM
  - »2027 Opening year +5, AM
  - »2027 Opening year +5, PM
  - »2037 Opening year +15, AM
  - »2037 Opening year +15, PM
  - »2022 Opening year with Dev, AM
  - »2022 Opening year with Dev, PM
  - »2027 Opening year +5 with Dev, AM
  - »2027 Opening year +5 with Dev, PM
  - »2037 Opening year +15 with Dev, AM
  - »2037 Opening year +15 with Dev, PM

### Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
<b>2018 Count year</b>										
Stream B-AC	D1	0.2	7.41	0.19	A	D2	0.1	6.85	0.08	A
Stream C-AB		0.0	5.80	0.01	A		0.0	5.78	0.01	A
<b>2022 Opening year</b>										
Stream B-AC	D3	0.3	7.59	0.21	A	D4	0.1	6.94	0.08	A
Stream C-AB		0.0	5.79	0.01	A		0.0	5.76	0.01	A
<b>2027 Opening year +5</b>										
Stream B-AC	D5	0.3	7.84	0.23	A	D6	0.1	7.01	0.09	A
Stream C-AB		0.0	5.78	0.01	A		0.0	5.76	0.01	A
<b>2037 Opening year +15</b>										
Stream B-AC	D7	0.3	8.22	0.25	A	D8	0.1	7.16	0.10	A
Stream C-AB		0.0	5.78	0.01	A		0.0	5.73	0.01	A
<b>2022 Opening year with Dev</b>										
Stream B-AC	D9	0.3	7.63	0.21	A	D10	0.1	6.94	0.08	A
Stream C-AB		0.0	5.72	0.01	A		0.0	5.76	0.01	A
<b>2027 Opening year +5 with Dev</b>										
Stream B-AC	D11	0.3	7.93	0.23	A	D12	0.1	7.03	0.09	A
Stream C-AB		0.0	5.61	0.01	A		0.0	5.69	0.01	A
<b>2037 Opening year +15 with Dev</b>										
Stream B-AC	D13	0.3	8.31	0.26	A	D14	0.1	7.19	0.10	A
Stream C-AB		0.0	5.59	0.01	A		0.0	5.67	0.01	A

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

### File summary

#### File Description

Title	(untitled)
Location	
Site number	
Date	06/06/2018
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	ATKINSMCCARTHY\MCollins
Description	

### Units

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

### Analysis Options

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	2018 Count year	AM	ONE HOUR	07:45	09:15	15
D2	2018 Count year	PM	ONE HOUR	16:45	18:15	15
D3	2022 Opening year	AM	ONE HOUR	07:45	09:15	15
D4	2022 Opening year	PM	ONE HOUR	16:45	18:15	15
D5	2027 Opening year +5	AM	ONE HOUR	07:45	09:15	15
D6	2027 Opening year +5	PM	ONE HOUR	16:45	18:15	15
D7	2037 Opening year +15	AM	ONE HOUR	07:45	09:15	15
D8	2037 Opening year +15	PM	ONE HOUR	16:45	18:15	15
D9	2022 Opening year with Dev	AM	ONE HOUR	07:45	09:15	15
D10	2022 Opening year with Dev	PM	ONE HOUR	16:45	18:15	15
D11	2027 Opening year +5 with Dev	AM	ONE HOUR	07:45	09:15	15
D12	2027 Opening year +5 with Dev	PM	ONE HOUR	16:45	18:15	15
D13	2037 Opening year +15 with Dev	AM	ONE HOUR	07:45	09:15	15
D14	2037 Opening year +15 with Dev	PM	ONE HOUR	16:45	18:15	15

### Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

# 2018 Count year, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.71	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Arms

### Arms

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

### Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.00			70.0	✓	0.00

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

### Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	4.00	45	25

## Slope / Intercept / Capacity

### Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	555	0.101	0.255	0.161	0.365
B-C	704	0.108	0.273	-	-
C-B	615	0.238	0.238	-	-

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	2018 Count year	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 (PCU/hr)	Scaling Factor (%)
A		✓	119	100.000
B		✓	104	100.000
C		✓	73	100.000

## Origin-Destination Data

### Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	16	103
	B	39	0	65
	C	68	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.19	7.41	0.2	A
C-AB	0.01	5.80	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	613	0.128	78	0.1	6.724	A
C-AB	4	627	0.007	4	0.0	5.792	A
C-A	51			51			
A-B	12			12			
A-C	78			78			

**08:00 - 08:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	93	607	0.154	93	0.2	7.003	A
C-AB	5	630	0.008	5	0.0	5.777	A
C-A	61			61			
A-B	14			14			
A-C	93			93			

**08:15 - 08:30**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	115	600	0.191	114	0.2	7.408	A
C-AB	6	634	0.010	6	0.0	5.759	A
C-A	74			74			
A-B	18			18			
A-C	113			113			

**08:30 - 08:45**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	115	600	0.191	115	0.2	7.414	A
C-AB	6	634	0.010	6	0.0	5.761	A
C-A	74			74			
A-B	18			18			
A-C	113			113			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	93	607	0.154	94	0.2	7.011	A
C-AB	5	630	0.008	5	0.0	5.784	A
C-A	61			61			
A-B	14			14			
A-C	93			93			

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	613	0.128	78	0.1	6.741	A
C-AB	4	627	0.007	4	0.0	5.796	A
C-A	51			51			
A-B	12			12			
A-C	78			78			

# 2018 Count year, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	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)
D2	2018 Count year	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 (PCU/hr)	Scaling Factor (%)
A		✓	107	100.000
B		✓	41	100.000
C		✓	68	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	35	72
	B	20	0	21
	C	64	4	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.08	6.85	0.1	A
C-AB	0.01	5.78	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	31	600	0.051	31	0.1	6.546	A
C-AB	3	628	0.005	3	0.0	5.774	A
C-A	48			48			
A-B	26			26			
A-C	54			54			

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	37	595	0.062	37	0.1	6.670	A
C-AB	4	630	0.006	4	0.0	5.757	A
C-A	57			57			
A-B	31			31			
A-C	65			65			

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	45	589	0.077	45	0.1	6.846	A
C-AB	5	634	0.008	5	0.0	5.734	A
C-A	70			70			
A-B	39			39			
A-C	79			79			

#### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	45	589	0.077	45	0.1	6.846	A
C-AB	5	634	0.008	5	0.0	5.737	A
C-A	70			70			
A-B	39			39			
A-C	79			79			



**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	37	595	0.062	37	0.1	6.674	A
C-AB	4	630	0.006	4	0.0	5.759	A
C-A	57			57			
A-B	31			31			
A-C	65			65			

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	31	600	0.051	31	0.1	6.551	A
C-AB	3	628	0.005	3	0.0	5.775	A
C-A	48			48			
A-B	26			26			
A-C	54			54			

# 2022 Opening year, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.79	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 Opening year	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 (PCU/hr)	Scaling Factor (%)
A		✓	127	100.000
B		✓	112	100.000
C		✓	78	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	17	110
	B	42	0	70
	C	73	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.21	7.59	0.3	A
C-AB	0.01	5.79	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	84	611	0.138	84	0.2	6.822	A
C-AB	4	629	0.007	4	0.0	5.783	A
C-A	55			55			
A-B	13			13			
A-C	83			83			

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	101	605	0.166	101	0.2	7.133	A
C-AB	5	632	0.008	5	0.0	5.766	A
C-A	65			65			
A-B	15			15			
A-C	99			99			

#### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	123	597	0.206	123	0.3	7.587	A
C-AB	6	636	0.010	6	0.0	5.745	A
C-A	80			80			
A-B	19			19			
A-C	121			121			

#### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	123	597	0.206	123	0.3	7.593	A
C-AB	6	636	0.010	6	0.0	5.750	A
C-A	80			80			
A-B	19			19			
A-C	121			121			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	101	605	0.166	101	0.2	7.142	A
C-AB	5	632	0.008	5	0.0	5.773	A
C-A	65			65			
A-B	15			15			
A-C	99			99			

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	84	611	0.138	84	0.2	6.842	A
C-AB	4	629	0.007	4	0.0	5.788	A
C-A	55			55			
A-B	13			13			
A-C	83			83			

# 2022 Opening year, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.43	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 Opening year	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 (PCU/hr)	Scaling Factor (%)
A		✓	114	100.000
B		✓	44	100.000
C		✓	73	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	37	77
	B	22	0	22
	C	69	4	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.08	6.94	0.1	A
C-AB	0.01	5.76	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	33	596	0.056	33	0.1	6.603	A
C-AB	3	629	0.005	3	0.0	5.763	A
C-A	52			52			
A-B	28			28			
A-C	58			58			

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	591	0.067	40	0.1	6.742	A
C-AB	4	632	0.006	4	0.0	5.743	A
C-A	62			62			
A-B	33			33			
A-C	69			69			

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	48	585	0.083	48	0.1	6.936	A
C-AB	5	636	0.008	5	0.0	5.717	A
C-A	75			75			
A-B	41			41			
A-C	85			85			

#### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	48	585	0.083	48	0.1	6.936	A
C-AB	5	636	0.008	5	0.0	5.721	A
C-A	75			75			
A-B	41			41			
A-C	85			85			

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	591	0.067	40	0.1	6.746	A
C-AB	4	632	0.006	4	0.0	5.748	A
C-A	62			62			
A-B	33			33			
A-C	69			69			

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	33	596	0.056	33	0.1	6.612	A
C-AB	3	629	0.005	3	0.0	5.764	A
C-A	52			52			
A-B	28			28			
A-C	58			58			

# 2027 Opening year +5, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.89	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 Opening year +5	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 (PCU/hr)	Scaling Factor (%)
A		✓	138	100.000
B		✓	122	100.000
C		✓	85	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	19	119
	B	46	0	76
	C	79	6	0

## Vehicle Mix

### Heavy Vehicle Percentages

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



## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.23	7.84	0.3	A
C-AB	0.01	5.78	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	92	608	0.151	91	0.2	6.959	A
C-AB	5	630	0.008	5	0.0	5.782	A
C-A	59			59			
A-B	14			14			
A-C	90			90			

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	110	602	0.182	109	0.2	7.311	A
C-AB	6	633	0.010	6	0.0	5.765	A
C-A	70			70			
A-B	17			17			
A-C	107			107			

#### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	134	593	0.226	134	0.3	7.833	A
C-AB	8	637	0.012	8	0.0	5.744	A
C-A	86			86			
A-B	21			21			
A-C	131			131			

#### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	134	593	0.226	134	0.3	7.842	A
C-AB	8	637	0.012	8	0.0	5.748	A
C-A	86			86			
A-B	21			21			
A-C	131			131			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	110	602	0.182	110	0.2	7.322	A
C-AB	6	633	0.010	6	0.0	5.770	A
C-A	70			70			
A-B	17			17			
A-C	107			107			

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	92	608	0.151	92	0.2	6.980	A
C-AB	5	630	0.008	5	0.0	5.785	A
C-A	59			59			
A-B	14			14			
A-C	90			90			

# 2027 Opening year +5, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.44	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 Opening year +5	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 (PCU/hr)	Scaling Factor (%)
A		✓	125	100.000
B		✓	47	100.000
C		✓	80	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	41	84
	B	23	0	24
	C	75	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.09	7.01	0.1	A
C-AB	0.01	5.76	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	35	596	0.059	35	0.1	6.643	A
C-AB	4	630	0.007	4	0.0	5.761	A
C-A	56			56			
A-B	31			31			
A-C	63			63			

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	590	0.072	42	0.1	6.794	A
C-AB	5	633	0.008	5	0.0	5.741	A
C-A	67			67			
A-B	37			37			
A-C	76			76			

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	52	583	0.089	52	0.1	7.007	A
C-AB	6	638	0.010	6	0.0	5.715	A
C-A	82			82			
A-B	45			45			
A-C	92			92			

#### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	52	583	0.089	52	0.1	7.007	A
C-AB	6	638	0.010	6	0.0	5.718	A
C-A	82			82			
A-B	45			45			
A-C	92			92			

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	590	0.072	42	0.1	6.796	A
C-AB	5	633	0.008	5	0.0	5.746	A
C-A	67			67			
A-B	37			37			
A-C	76			76			

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	35	596	0.059	35	0.1	6.649	A
C-AB	4	630	0.007	4	0.0	5.762	A
C-A	56			56			
A-B	31			31			
A-C	63			63			

# 2037 Opening year +15, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.00	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)
D7	2037 Opening year +15	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 (PCU/hr)	Scaling Factor (%)
A		✓	156	100.000
B		✓	136	100.000
C		✓	96	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	21	135
	B	51	0	85
	C	89	7	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.25	8.22	0.3	A
C-AB	0.01	5.78	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	102	604	0.170	102	0.2	7.152	A
C-AB	6	632	0.009	6	0.0	5.775	A
C-A	66			66			
A-B	16			16			
A-C	102			102			

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	122	597	0.205	122	0.3	7.573	A
C-AB	7	635	0.011	7	0.0	5.757	A
C-A	79			79			
A-B	19			19			
A-C	121			121			

#### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	150	588	0.255	149	0.3	8.216	A
C-AB	9	640	0.014	9	0.0	5.733	A
C-A	97			97			
A-B	23			23			
A-C	149			149			

#### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	150	588	0.255	150	0.3	8.222	A
C-AB	9	640	0.014	9	0.0	5.736	A
C-A	97			97			
A-B	23			23			
A-C	149			149			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	122	597	0.205	123	0.3	7.590	A
C-AB	7	635	0.011	7	0.0	5.765	A
C-A	79			79			
A-B	19			19			
A-C	121			121			

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	102	604	0.170	103	0.2	7.184	A
C-AB	6	632	0.009	6	0.0	5.778	A
C-A	66			66			
A-B	16			16			
A-C	102			102			



# 2037 Opening year +15, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.48	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	2037 Opening year +15	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 (PCU/hr)	Scaling Factor (%)
A		✓	140	100.000
B		✓	54	100.000
C		✓	89	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	46	94
	B	26	0	28
	C	84	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.10	7.16	0.1	A
C-AB	0.01	5.73	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	41	594	0.068	40	0.1	6.732	A
C-AB	4	632	0.007	4	0.0	5.734	A
C-A	63			63			
A-B	35			35			
A-C	71			71			

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	49	588	0.083	48	0.1	6.908	A
C-AB	5	636	0.008	5	0.0	5.709	A
C-A	75			75			
A-B	41			41			
A-C	85			85			

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	580	0.103	59	0.1	7.156	A
C-AB	6	641	0.010	6	0.0	5.676	A
C-A	92			92			
A-B	51			51			
A-C	103			103			

#### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	580	0.103	59	0.1	7.159	A
C-AB	6	641	0.010	6	0.0	5.678	A
C-A	92			92			
A-B	51			51			
A-C	103			103			

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	49	588	0.083	49	0.1	6.910	A
C-AB	5	636	0.008	5	0.0	5.712	A
C-A	75			75			
A-B	41			41			
A-C	85			85			

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	41	594	0.068	41	0.1	6.739	A
C-AB	4	632	0.007	4	0.0	5.734	A
C-A	63			63			
A-B	35			35			
A-C	71			71			

# 2022 Opening year with Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.68	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)
D9	2022 Opening year with Dev	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 (PCU/hr)	Scaling Factor (%)
A		✓	127	100.000
B		✓	113	100.000
C		✓	96	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	17	110
	B	42	0	71
	C	90	6	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.21	7.63	0.3	A
C-AB	0.01	5.72	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	85	610	0.139	84	0.2	6.840	A
C-AB	5	637	0.008	5	0.0	5.717	A
C-A	67			67			
A-B	13			13			
A-C	83			83			

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	102	604	0.168	101	0.2	7.158	A
C-AB	6	642	0.010	6	0.0	5.688	A
C-A	80			80			
A-B	15			15			
A-C	99			99			

#### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	124	596	0.209	124	0.3	7.624	A
C-AB	8	648	0.012	8	0.0	5.650	A
C-A	98			98			
A-B	19			19			
A-C	121			121			

#### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	124	596	0.209	124	0.3	7.630	A
C-AB	8	648	0.012	8	0.0	5.653	A
C-A	98			98			
A-B	19			19			
A-C	121			121			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	102	604	0.168	102	0.2	7.170	A
C-AB	6	642	0.010	6	0.0	5.694	A
C-A	80			80			
A-B	15			15			
A-C	99			99			

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	85	610	0.139	85	0.2	6.863	A
C-AB	5	637	0.008	5	0.0	5.720	A
C-A	67			67			
A-B	13			13			
A-C	83			83			

# 2022 Opening year with Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.43	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)
D10	2022 Opening year with Dev	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 (PCU/hr)	Scaling Factor (%)
A		✓	114	100.000
B		✓	44	100.000
C		✓	73	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	37	77
	B	22	0	22
	C	69	4	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.08	6.94	0.1	A
C-AB	0.01	5.76	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	33	596	0.056	33	0.1	6.603	A
C-AB	3	629	0.005	3	0.0	5.763	A
C-A	52			52			
A-B	28			28			
A-C	58			58			

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	591	0.067	40	0.1	6.742	A
C-AB	4	632	0.006	4	0.0	5.743	A
C-A	62			62			
A-B	33			33			
A-C	69			69			

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	48	585	0.083	48	0.1	6.936	A
C-AB	5	636	0.008	5	0.0	5.717	A
C-A	75			75			
A-B	41			41			
A-C	85			85			

#### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	48	585	0.083	48	0.1	6.936	A
C-AB	5	636	0.008	5	0.0	5.721	A
C-A	75			75			
A-B	41			41			
A-C	85			85			



**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	591	0.067	40	0.1	6.746	A
C-AB	4	632	0.006	4	0.0	5.748	A
C-A	62			62			
A-B	33			33			
A-C	69			69			

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	33	596	0.056	33	0.1	6.612	A
C-AB	3	629	0.005	3	0.0	5.764	A
C-A	52			52			
A-B	28			28			
A-C	58			58			

# 2027 Opening year +5 with Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.62	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)
D11	2027 Opening year +5 with Dev	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 (PCU/hr)	Scaling Factor (%)
A		✓	138	100.000
B		✓	123	100.000
C		✓	130	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	19	119
	B	46	0	77
	C	123	7	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.23	7.93	0.3	A
C-AB	0.01	5.61	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	93	605	0.153	92	0.2	6.998	A
C-AB	6	652	0.009	6	0.0	5.603	A
C-A	92			92			
A-B	14			14			
A-C	90			90			

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	111	599	0.185	110	0.2	7.371	A
C-AB	8	660	0.011	8	0.0	5.553	A
C-A	109			109			
A-B	17			17			
A-C	107			107			

#### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	135	590	0.230	135	0.3	7.917	A
C-AB	10	670	0.014	10	0.0	5.488	A
C-A	133			133			
A-B	21			21			
A-C	131			131			

#### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	135	590	0.230	135	0.3	7.927	A
C-AB	10	670	0.014	10	0.0	5.494	A
C-A	133			133			
A-B	21			21			
A-C	131			131			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	111	599	0.185	111	0.2	7.383	A
C-AB	8	660	0.011	8	0.0	5.561	A
C-A	109			109			
A-B	17			17			
A-C	107			107			

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	93	605	0.153	93	0.2	7.026	A
C-AB	6	652	0.009	6	0.0	5.607	A
C-A	92			92			
A-B	14			14			
A-C	90			90			

# 2027 Opening year +5 with Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.39	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)
D12	2027 Opening year +5 with Dev	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 (PCU/hr)	Scaling Factor (%)
A		✓	125	100.000
B		✓	49	100.000
C		✓	97	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	41	84
	B	23	0	26
	C	92	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.09	7.03	0.1	A
C-AB	0.01	5.69	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	37	597	0.062	37	0.1	6.647	A
C-AB	4	639	0.007	4	0.0	5.686	A
C-A	69			69			
A-B	31			31			
A-C	63			63			

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	44	592	0.074	44	0.1	6.805	A
C-AB	5	643	0.008	5	0.0	5.652	A
C-A	82			82			
A-B	37			37			
A-C	76			76			

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	54	585	0.092	54	0.1	7.028	A
C-AB	7	650	0.010	7	0.0	5.607	A
C-A	100			100			
A-B	45			45			
A-C	92			92			

#### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	54	584	0.092	54	0.1	7.028	A
C-AB	7	650	0.010	7	0.0	5.610	A
C-A	100			100			
A-B	45			45			
A-C	92			92			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	44	592	0.074	44	0.1	6.807	A
C-AB	5	643	0.008	5	0.0	5.655	A
C-A	82			82			
A-B	37			37			
A-C	76			76			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	37	597	0.062	37	0.1	6.657	A
C-AB	4	639	0.007	4	0.0	5.690	A
C-A	69			69			
A-B	31			31			
A-C	63			63			

# 2037 Opening year +15 with Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.74	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)
D13	2037 Opening year +15 with Dev	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 (PCU/hr)	Scaling Factor (%)
A		✓	156	100.000
B		✓	137	100.000
C		✓	140	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	21	135
	B	51	0	86
	C	133	7	0

## Vehicle Mix

### Heavy Vehicle Percentages

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



## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.26	8.31	0.3	A
C-AB	0.01	5.59	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	103	602	0.171	102	0.2	7.196	A
C-AB	6	654	0.010	6	0.0	5.589	A
C-A	99			99			
A-B	16			16			
A-C	102			102			

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	123	594	0.207	123	0.3	7.634	A
C-AB	8	662	0.012	8	0.0	5.536	A
C-A	118			118			
A-B	19			19			
A-C	121			121			

#### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	151	584	0.258	150	0.3	8.299	A
C-AB	10	673	0.015	10	0.0	5.467	A
C-A	144			144			
A-B	23			23			
A-C	149			149			

#### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	151	584	0.258	151	0.3	8.312	A
C-AB	10	673	0.015	10	0.0	5.471	A
C-A	144			144			
A-B	23			23			
A-C	149			149			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	123	594	0.207	123	0.3	7.654	A
C-AB	8	662	0.012	8	0.0	5.546	A
C-A	118			118			
A-B	19			19			
A-C	121			121			

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	103	602	0.171	103	0.2	7.225	A
C-AB	6	654	0.010	6	0.0	5.595	A
C-A	99			99			
A-B	16			16			
A-C	102			102			

# 2037 Opening year +15 with Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.45	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)
D14	2037 Opening year +15 with Dev	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 (PCU/hr)	Scaling Factor (%)
A		✓	138	100.000
B		✓	55	100.000
C		✓	108	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A	B	C
From	A	0	44	94
	B	26	0	29
	C	102	6	0

## Vehicle Mix

### Heavy Vehicle Percentages

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

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.10	7.19	0.1	A
C-AB	0.01	5.67	0.0	A
C-A				
A-B				
A-C				

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	41	594	0.070	41	0.1	6.745	A
C-AB	5	641	0.008	5	0.0	5.670	A
C-A	76			76			
A-B	33			33			
A-C	71			71			

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	49	588	0.084	49	0.1	6.926	A
C-AB	6	647	0.010	6	0.0	5.633	A
C-A	91			91			
A-B	40			40			
A-C	85			85			

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	61	579	0.105	60	0.1	7.184	A
C-AB	8	655	0.012	8	0.0	5.584	A
C-A	111			111			
A-B	48			48			
A-C	103			103			

#### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	61	579	0.105	61	0.1	7.186	A
C-AB	8	655	0.012	8	0.0	5.588	A
C-A	111			111			
A-B	48			48			
A-C	103			103			

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	49	588	0.084	50	0.1	6.929	A
C-AB	6	647	0.010	6	0.0	5.637	A
C-A	91			91			
A-B	40			40			
A-C	85			85			

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	41	594	0.070	41	0.1	6.754	A
C-AB	5	641	0.008	5	0.0	5.674	A
C-A	76			76			
A-B	33			33			
A-C	71			71			