

## **Appendix 75**

Revised Enfield Park Road/Crab Lane Base Model

# Junctions 9

## PICADY 9 - Priority Intersection Module

Version: 9.0.2.5947  
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Filename: 18122017 Enfield Park Rd Crab Lane Existing Arrangement.j9  
Report generation date: 25/01/2018 11:32:26

### Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
<b>A1 - 2025</b>								
Stream B-C	0.6	8.15	0.36	A	32.6	177.28	1.09	F
Stream B-A	0.3	16.04	0.22	C	12.5	229.69	1.06	F
Stream C-AB	18.4	103.28	1.00	F	0.7	9.22	0.41	A
<b>A1 - 2030</b>								
Stream B-C	0.7	9.00	0.41	A	30.9	172.06	1.08	F
Stream B-A	0.4	21.32	0.28	C	12.2	224.10	1.06	F
Stream C-AB	51.5	257.93	1.13	F	0.9	10.16	0.46	B
<b>A1 - 2030 Through Route</b>								
Stream B-C	0.7	9.48	0.43	A	29.5	166.27	1.08	F
Stream B-A	0.4	24.64	0.31	C	11.9	218.29	1.05	F
Stream C-AB	66.6	356.02	1.18	F	0.9	10.32	0.47	B
<b>A1 - Base Model</b>								
Stream B-C	0.5	7.53	0.32	A	1.7	15.59	0.63	C
Stream B-A	0.2	12.81	0.19	B	1.0	17.90	0.50	C
Stream C-AB	4.4	30.37	0.82	D	0.4	7.96	0.31	A

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

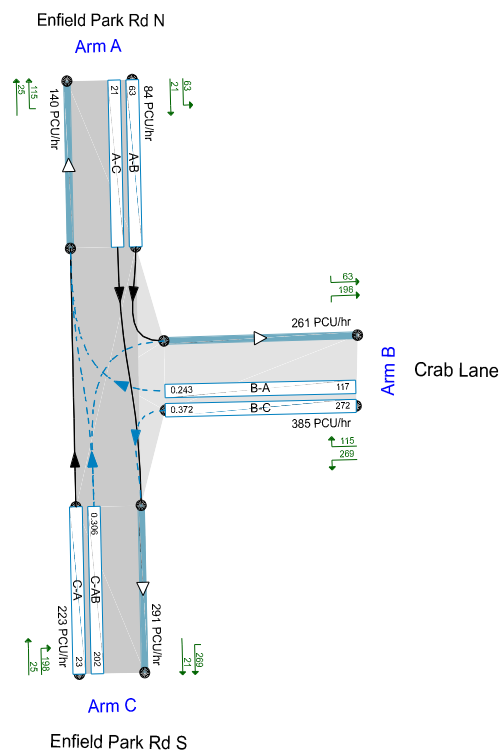
## File summary

### File Description

Title	(untitled)
Location	
Site number	
Date	14/11/2017
Version	
Status	
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	PCU	PCU	perHour	s	-Min	perMin



Flows show modelled flow through junction (PCU/hr).  
Streams (upstream end) show Total Demand (PCU/hr); Streams (downstream end) show RFC (s)  
Time Segment: 16:45-17:00

The junction diagram reflects the last run of Junctions.

## Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				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)	Run automatically
D1	2025	AM	ONE HOUR	07:45	09:15	15	✓
D2	2025	PM	ONE HOUR	16:45	18:15	15	✓
D3	2030	AM	ONE HOUR	07:45	09:15	15	✓
D4	2030	PM	ONE HOUR	16:45	18:15	15	✓
D5	2030 Through Route	AM	ONE HOUR	07:45	09:15	15	✓
D6	2030 Through Route	PM	ONE HOUR	16:45	18:15	15	✓
D7	Base Model	AM	ONE HOUR	07:45	09:15	15	✓
D8	Base Model	PM	ONE HOUR	16:45	18:15	15	✓

## Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	(Default Analysis Set)	✓	100.000	100.000

# (Default Analysis Set) - 2025, AM

## Junction Network

### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	52.80	F

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Arms

### Arms

Arm	Name	Description	Arm type
A	Enfield Park Rd N		Major
B	Crab's Lane		Minor
C	Enfield Park Rd 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			170.0	✓	1.00

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	5.20	3.65	3.65	3.65	✓	1.00	99	138

## Slope / Intercept / Capacity

### Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	581	0.102	0.258	0.163	0.369
1	B-C	783	0.116	0.293	-	-
1	C-B	672	0.251	0.251	-	-

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)	Run automatically
D1	2025	AM	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	299	100.000
B		ONE HOUR	✓	285	100.000
C		ONE HOUR	✓	583	100.000

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.36	8.15	0.6	A	208	312
B-A	0.22	16.04	0.3	C	53	80
C-AB	1.00	103.28	18.4	F	523	784
C-A					12	18
A-B					262	394
A-C					12	18

## Main Results for each time segment

### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	171	43	733	0.233	170	0.0	0.3	6.376	A
B-A	44	11	398	0.110	43	0.0	0.1	10.138	B
C-AB	418	105	639	0.654	411	0.0	1.9	15.320	C
C-A	21	5			21				
A-B	215	54			215				
A-C	10	2			10				

### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	204	51	719	0.284	204	0.3	0.4	6.980	A
B-A	52	13	357	0.146	52	0.1	0.2	11.779	B
C-AB	508	127	639	0.795	501	1.9	3.6	25.071	D
C-A	16	4			16				
A-B	257	64			257				
A-C	12	3			12				

### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	250	62	695	0.360	249	0.4	0.6	8.071	A
B-A	64	16	301	0.212	63	0.2	0.3	15.123	C
C-AB	642	160	642	0.999	604	3.6	13.1	64.510	F
C-A	0.10	0.03			0.10				
A-B	315	79			315				
A-C	14	4			14				

### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	250	62	692	0.361	250	0.6	0.6	8.150	A
B-A	64	16	288	0.222	64	0.3	0.3	16.044	C
C-AB	642	160	642	0.999	621	13.1	18.4	103.278	F
C-A	0.10	0.03			0.10				
A-B	315	79			315				
A-C	14	4			14				

### 08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	204	51	716	0.285	205	0.6	0.4	7.046	A
B-A	52	13	335	0.156	53	0.3	0.2	12.783	B
C-AB	508	127	639	0.795	562	18.4	4.8	59.459	F
C-A	16	4			16				
A-B	257	64			257				
A-C	12	3			12				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	171	43	732	0.233	171	0.4	0.3	6.421	A
B-A	44	11	391	0.112	44	0.2	0.1	10.380	B
C-AB	418	105	639	0.654	429	4.8	2.1	17.959	C
C-A	21	5			21				
A-B	215	54			215				
A-C	10	2			10				

## (Default Analysis Set) - 2025, PM

### Junction Network

#### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	128.22	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 segment length (min)	Run automatically
D2	2025	PM	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

#### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	112	100.000
B		ONE HOUR	✓	752	100.000
C		ONE HOUR	✓	269	100.000

# Results

## Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.09	177.28	32.6	F	519	779
B-A	1.06	229.69	12.5	F	171	256
C-AB	0.41	9.22	0.7	A	220	330
C-A					27	40
A-B					77	116
A-C					26	39

## Main Results for each time segment

### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	426	107	684	0.623	420	0.0	1.6	13.319	B
B-A	140	35	409	0.343	138	0.0	0.5	13.199	B
C-AB	180	45	658	0.273	178	0.0	0.4	7.479	A
C-A	23	6			23				
A-B	63	16			63				
A-C	21	5			21				

### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	509	127	642	0.792	502	1.6	3.4	24.383	C
B-A	167	42	312	0.536	165	0.5	1.1	24.090	C
C-AB	215	54	657	0.328	215	0.4	0.5	8.138	A
C-A	26	7			26				
A-B	76	19			76				
A-C	25	6			25				

### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	623	156	586	1.064	563	3.4	18.3	87.700	F
B-A	205	51	192	1.065	175	1.1	8.5	131.758	F
C-AB	266	66	656	0.405	265	0.5	0.7	9.188	A
C-A	30	8			30				
A-B	92	23			92				
A-C	31	8			31				



### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	623	156	572	1.090	566	18.3	32.6	177.279	F
B-A	205	51	196	1.044	189	8.5	12.5	229.685	F
C-AB	266	66	656	0.405	266	0.7	0.7	9.225	A
C-A	30	8			30				
A-B	92	23			92				
A-C	31	8			31				

### 17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	509	127	590	0.863	572	32.6	16.8	159.796	F
B-A	167	42	200	0.834	188	12.5	7.5	200.809	F
C-AB	215	54	657	0.328	216	0.7	0.5	8.185	A
C-A	26	7			26				
A-B	76	19			76				
A-C	25	6			25				

### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	426	107	652	0.654	485	16.8	2.0	28.808	D
B-A	140	35	348	0.403	167	7.5	0.7	22.853	C
C-AB	180	45	658	0.273	180	0.5	0.4	7.541	A
C-A	23	6			23				
A-B	63	16			63				
A-C	21	5			21				

## (Default Analysis Set) - 2030, AM

### Junction Network

#### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	134.51	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 segment length (min)	Run automatically
D3	2030	AM	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	299	100.000
B		ONE HOUR	✓	309	100.000
C		ONE HOUR	✓	653	100.000

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.41	9.00	0.7	A	230	345
B-A	0.28	21.32	0.4	C	53	80
C-AB	1.13	257.93	51.5	F	591	886
C-A					8	12
A-B					262	394
A-C					12	18

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	189	47	733	0.258	188	0.0	0.3	6.588	A
B-A	44	11	376	0.116	43	0.0	0.1	10.815	B
C-AB	475	119	643	0.740	464	0.0	2.7	19.272	C
C-A	16	4			16				
A-B	215	54			215				
A-C	10	2			10				

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	226	56	717	0.315	225	0.3	0.5	7.313	A
B-A	52	13	330	0.158	52	0.1	0.2	12.955	B
C-AB	579	145	644	0.899	563	2.7	6.6	39.371	E
C-A	8	2			8				
A-B	257	64			257				
A-C	12	3			12				

**08:15 - 08:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	276	69	687	0.402	276	0.5	0.7	8.727	A
B-A	64	16	264	0.242	63	0.2	0.3	17.875	C
C-AB	719	180	636	1.130	625	6.6	30.1	122.240	F
C-A	0	0			0				
A-B	315	79			315				
A-C	14	4			14				

**08:30 - 08:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	276	69	676	0.409	276	0.7	0.7	8.999	A
B-A	64	16	232	0.275	64	0.3	0.4	21.324	C
C-AB	719	180	636	1.130	634	30.1	51.5	244.373	F
C-A	0	0			0				
A-B	315	79			315				
A-C	14	4			14				

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	226	56	705	0.320	226	0.7	0.5	7.529	A
B-A	52	13	262	0.199	53	0.4	0.3	17.213	C
C-AB	579	145	644	0.899	645	51.5	35.0	257.930	F
C-A	8	2			8				
A-B	257	64			257				
A-C	12	3			12				

**09:00 - 09:15**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	189	47	728	0.260	189	0.5	0.4	6.694	A
B-A	44	11	326	0.134	44	0.3	0.2	12.770	B
C-AB	475	119	643	0.740	601	35.0	3.6	108.011	F
C-A	16	4			16				
A-B	215	54			215				
A-C	10	2			10				

# (Default Analysis Set) - 2030, PM

## Junction Network

### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	121.18	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 segment length (min)	Run automatically
D4	2030	PM	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	112	100.000
B		ONE HOUR	✓	741	100.000
C		ONE HOUR	✓	302	100.000

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.08	172.06	30.9	F	509	764
B-A	1.06	224.10	12.2	F	171	256
C-AB	0.46	10.16	0.9	B	252	377
C-A					26	38
A-B					77	116
A-C					26	39

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	418	104	682	0.612	412	0.0	1.5	13.031	B
B-A	140	35	406	0.345	138	0.0	0.5	13.318	B
C-AB	205	51	659	0.311	203	0.0	0.5	7.868	A
C-A	22	6			22				
A-B	63	16			63				
A-C	21	5			21				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	499	125	639	0.781	492	1.5	3.2	23.498	C
B-A	167	42	313	0.534	165	0.5	1.1	23.922	C
C-AB	246	61	658	0.374	245	0.5	0.6	8.708	A
C-A	26	6			26				
A-B	76	19			76				
A-C	25	6			25				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	611	153	577	1.059	554	3.2	17.5	85.633	F
B-A	205	51	193	1.058	176	1.1	8.3	129.399	F
C-AB	304	76	658	0.462	303	0.6	0.9	10.105	B
C-A	29	7			29				
A-B	92	23			92				
A-C	31	8			31				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	611	153	563	1.085	557	17.5	30.9	172.064	F
B-A	205	51	197	1.039	189	8.3	12.2	224.095	F
C-AB	304	76	658	0.462	304	0.9	0.9	10.162	B
C-A	29	7			29				
A-B	92	23			92				
A-C	31	8			31				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	499	125	583	0.856	565	30.9	14.5	150.303	F
B-A	167	42	202	0.827	188	12.2	7.0	192.120	F
C-AB	246	61	658	0.374	247	0.9	0.6	8.780	A
C-A	26	6			26				
A-B	76	19			76				
A-C	25	6			25				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	418	104	652	0.641	468	14.5	1.9	24.766	C
B-A	140	35	356	0.393	165	7.0	0.7	21.334	C
C-AB	205	51	659	0.311	206	0.6	0.5	7.951	A
C-A	22	6			22				
A-B	63	16			63				
A-C	21	5			21				

# (Default Analysis Set) - 2030 Through Route, AM

## Junction Network

### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	187.27	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 segment length (min)	Run automatically
D5	2030 Through Route	AM	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	299	100.000
B		ONE HOUR	✓	319	100.000
C		ONE HOUR	✓	678	100.000

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.43	9.48	0.7	A	239	359
B-A	0.31	24.64	0.4	C	53	80
C-AB	1.18	356.02	66.6	F	615	923
C-A					7	10
A-B					262	394
A-C					12	18

## Main Results for each time segment

### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	196	49	733	0.268	195	0.0	0.4	6.681	A
B-A	44	11	367	0.119	43	0.0	0.1	11.082	B
C-AB	496	124	644	0.770	483	0.0	3.1	21.156	C
C-A	15	4			15				
A-B	215	54			215				
A-C	10	2			10				

### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	235	59	716	0.328	234	0.4	0.5	7.461	A
B-A	52	13	319	0.163	52	0.1	0.2	13.450	B
C-AB	604	151	645	0.936	583	3.1	8.5	47.430	E
C-A	5	1			5				
A-B	257	64			257				
A-C	12	3			12				

### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	287	72	683	0.421	286	0.5	0.7	9.048	A
B-A	64	16	250	0.256	63	0.2	0.3	19.249	C
C-AB	746	187	635	1.176	627	8.5	38.3	150.171	F
C-A	0	0			0				
A-B	315	79			315				
A-C	14	4			14				

### 08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	287	72	667	0.431	287	0.7	0.7	9.483	A
B-A	64	16	209	0.305	63	0.3	0.4	24.637	C
C-AB	746	187	635	1.176	633	38.3	66.6	309.318	F
C-A	0	0			0				
A-B	315	79			315				
A-C	14	4			14				

### 08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	235	59	698	0.336	236	0.7	0.5	7.804	A
B-A	52	13	232	0.225	53	0.4	0.3	20.163	C
C-AB	604	151	645	0.936	646	66.6	56.3	356.019	F
C-A	5	1			5				
A-B	257	64			257				
A-C	12	3			12				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	196	49	724	0.272	197	0.5	0.4	6.841	A
B-A	44	11	289	0.151	44	0.3	0.2	14.741	B
C-AB	496	124	644	0.770	648	56.3	18.2	228.099	F
C-A	15	4			15				
A-B	215	54			215				
A-C	10	2			10				

## (Default Analysis Set) - 2030 Through Route, PM

### Junction Network

#### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	116.83	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 segment length (min)	Run automatically
D6	2030 Through Route	PM	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

#### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	112	100.000
B		ONE HOUR	✓	736	100.000
C		ONE HOUR	✓	307	100.000



# Results

## Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.08	166.27	29.5	F	505	757
B-A	1.05	218.29	11.9	F	171	256
C-AB	0.47	10.32	0.9	B	256	385
C-A					25	38
A-B					77	116
A-C					26	39

## Main Results for each time segment

### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	414	104	682	0.607	408	0.0	1.5	12.874	B
B-A	140	35	408	0.344	138	0.0	0.5	13.260	B
C-AB	209	52	659	0.317	207	0.0	0.5	7.931	A
C-A	22	6			22				
A-B	63	16			63				
A-C	21	5			21				

### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	494	124	639	0.774	488	1.5	3.1	22.941	C
B-A	167	42	316	0.529	165	0.5	1.1	23.471	C
C-AB	251	63	658	0.381	250	0.5	0.6	8.804	A
C-A	25	6			25				
A-B	76	19			76				
A-C	25	6			25				

### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	606	151	575	1.053	551	3.1	16.8	83.474	F
B-A	205	51	195	1.053	176	1.1	8.2	127.049	F
C-AB	310	77	658	0.470	309	0.6	0.9	10.260	B
C-A	28	7			28				
A-B	92	23			92				
A-C	31	8			31				

### 17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	606	151	561	1.079	555	16.8	29.5	166.269	F
B-A	205	51	198	1.033	190	8.2	11.9	218.289	F
C-AB	310	77	658	0.470	310	0.9	0.9	10.322	B
C-A	28	7			28				
A-B	92	23			92				
A-C	31	8			31				

### 17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	494	124	581	0.851	562	29.5	12.6	141.257	F
B-A	167	42	204	0.821	188	11.9	6.6	184.053	F
C-AB	251	63	658	0.381	252	0.9	0.6	8.878	A
C-A	25	6			25				
A-B	76	19			76				
A-C	25	6			25				

### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	414	104	653	0.634	457	12.6	1.8	22.152	C
B-A	140	35	365	0.384	164	6.6	0.6	20.012	C
C-AB	209	52	659	0.317	209	0.6	0.5	8.019	A
C-A	22	6			22				
A-B	63	16			63				
A-C	21	5			21				

## (Default Analysis Set) - Base Model, AM

### Junction Network

#### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	15.55	C

#### 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)	Run automatically
D7	Base Model	AM	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	299	100.000
B		ONE HOUR	✓	260	100.000
C		ONE HOUR	✓	485	100.000

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.32	7.53	0.5	A	185	278
B-A	0.19	12.81	0.2	B	53	80
C-AB	0.82	30.37	4.4	D	422	633
C-A					23	34
A-B					262	394
A-C					12	18

### Main Results for each time segment

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	152	38	734	0.207	151	0.0	0.3	6.168	A
B-A	44	11	428	0.102	43	0.0	0.1	9.338	A
C-AB	339	85	635	0.534	335	0.0	1.1	11.822	B
C-A	26	6			26				
A-B	215	54			215				
A-C	10	2			10				

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	182	45	721	0.252	181	0.3	0.3	6.665	A
B-A	52	13	395	0.132	52	0.1	0.2	10.501	B
C-AB	411	103	633	0.650	408	1.1	1.8	15.865	C
C-A	25	6			25				
A-B	257	64			257				
A-C	12	3			12				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	222	56	701	0.317	222	0.3	0.5	7.503	A
B-A	64	16	348	0.183	64	0.2	0.2	12.640	B
C-AB	516	129	633	0.816	507	1.8	4.1	27.273	D
C-A	18	4			18				
A-B	315	79			315				
A-C	14	4			14				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	222	56	701	0.318	222	0.5	0.5	7.528	A
B-A	64	16	345	0.185	64	0.2	0.2	12.806	B
C-AB	516	129	633	0.816	515	4.1	4.4	30.368	D
C-A	18	4			18				
A-B	315	79			315				
A-C	14	4			14				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	182	45	721	0.252	182	0.5	0.3	6.693	A
B-A	52	13	390	0.134	52	0.2	0.2	10.669	B
C-AB	411	103	633	0.650	420	4.4	2.0	17.668	C
C-A	25	6			25				
A-B	257	64			257				
A-C	12	3			12				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	152	38	733	0.207	152	0.3	0.3	6.202	A
B-A	44	11	425	0.103	44	0.2	0.1	9.438	A
C-AB	339	85	635	0.534	343	2.0	1.2	12.453	B
C-A	26	6			26				
A-B	215	54			215				
A-C	10	2			10				

## (Default Analysis Set) - Base Model, PM

### Junction Network

#### Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	Enfield Park Rd / Crab Lane	T-Junction	Two-way	11.94	B

## 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)	Run automatically
D8	Base Model	PM	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	112	100.000
B		ONE HOUR	✓	547	100.000
C		ONE HOUR	✓	212	100.000

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.63	15.59	1.7	C	331	497
B-A	0.50	17.90	1.0	C	171	256
C-AB	0.31	7.96	0.4	A	166	250
C-A					28	42
A-B					77	116
A-C					26	39

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	272	68	714	0.381	269	0.0	0.6	8.055	A
B-A	140	35	507	0.276	139	0.0	0.4	9.725	A
C-AB	136	34	656	0.207	135	0.0	0.3	6.886	A
C-A	24	6			24				
A-B	63	16			63				
A-C	21	5			21				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	325	81	684	0.475	323	0.6	0.9	9.954	A
B-A	167	42	472	0.354	167	0.4	0.5	11.753	B
C-AB	163	41	654	0.249	162	0.3	0.3	7.314	A
C-A	28	7			28				
A-B	76	19			76				
A-C	25	6			25				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	397	99	630	0.631	394	0.9	1.6	15.083	C
B-A	205	51	408	0.502	203	0.5	1.0	17.405	C
C-AB	201	50	653	0.307	200	0.3	0.4	7.949	A
C-A	33	8			33				
A-B	92	23			92				
A-C	31	8			31				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	397	99	628	0.633	397	1.6	1.7	15.590	C
B-A	205	51	406	0.505	205	1.0	1.0	17.896	C
C-AB	201	50	653	0.307	201	0.4	0.4	7.963	A
C-A	33	8			33				
A-B	92	23			92				
A-C	31	8			31				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	325	81	681	0.476	328	1.7	0.9	10.258	B
B-A	167	42	470	0.356	169	1.0	0.6	12.032	B
C-AB	163	41	654	0.249	163	0.4	0.3	7.336	A
C-A	28	7			28				
A-B	76	19			76				
A-C	25	6			25				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-C	272	68	712	0.382	273	0.9	0.6	8.222	A
B-A	140	35	506	0.277	141	0.6	0.4	9.886	A
C-AB	136	34	656	0.207	136	0.3	0.3	6.926	A
C-A	24	6			24				
A-B	63	16			63				
A-C	21	5			21				