

Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.0.1.4646
© Copyright TRL Limited, 2017

For sales and distribution information, program advice and maintenance, contact TRL:
Tel: +44 (0)1344 770758 email: software@trl.co.uk Web: http://www.trlsoftware.co.uk

The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution

Filename: Comet Corner.j9

Path: P:\14-111 - Land West of Bilsham Road, Yapton\Trans\Picady\Junctions 10 Modelling

Report generation date: 17/11/2017 15:35:37

«2031 Base + Dev 550 Units No Through Link, AM

»Junction Network

»Arms

»Traffic Demand

»Origin-Destination Data

»Vehicle Mix

»Results

»Lane Results

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (min)	RFC	LOS	Queue (PCU)	Delay (min)	RFC	LOS
	[Lane Simulation] - 2031 Base + Dev 550 Units No Through Link							
Junction 1 - Arm A	0.0	0.00		A	0.0	0.00		A
Junction 1 - Arm B	1.3	0.58		D	0.8	0.51		D
Junction 1 - Arm C	0.0	0.00		A	0.0	0.00		A
Junction 2 - Arm A	0.0	0.00		A	0.0	0.00		A
Junction 2 - Arm B	2.5	0.57		D	0.4	0.25		B
Junction 2 - Arm C	0.1	0.00		A	0.1	0.00		A
Junction 3 - Arm A	0.0	0.00		A	0.0	0.00		A
Junction 3 - Arm B	1.1	0.19		B	2.2	0.29		C
Junction 3 - Arm C	1.1	0.06		A	2.7	0.10		A
Junction 4 - Arm A	0.0	0.00		A	1.3	0.03		A
Junction 4 - Arm B	0.2	0.20		B	0.7	0.61		E
Junction 4 - Arm C	0.1	0.00		A	0.2	0.01		A

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Arm and junction delays are averages for all movements, including movements with zero delay.

File summary

File Description

Title	(untitled)
Location	
Site number	
Date	30/04/2015
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	
Description	

Units

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

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (min)	Queue threshold (PCU)
5.75				0.85	0.60	20.00

Lane Simulation options

Stop criteria (%)	Stop criteria time (s)	Stop criteria number of trials	Random seed	Results refresh speed (s)	Individual vehicle animation number of trials	Use crossings quick response	Last run random seed	Last run number of trials	Last run time taken (s)
1.00	100000	100000	-1	3	1	✓	486108632	299	171.63

Analysis Set Details

ID	Use Lane Simulation	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	80.000	100.000

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	2031 Base + Dev 550 Units No Through Link	AM	ONE HOUR	07:30	09:00	15	✓

2031 Base + Dev 550 Units No Through Link, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Lane Simulation	A1 - [Lane Simulation]	This analysis set uses Lane Simulation mode. This is provided as an investigative tool and the user should apply judgement when interpreting the results.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs.
Warning	Vehicle Mix	Junction 4	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs.
Warning	Vehicle Mix	Junction 3	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs.

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	T-Junction	Two-way	0.03	A
2	untitled	T-Junction	Two-way	0.06	A
3	untitled	T-Junction	Two-way	0.06	A
4	untitled	T-Junction	Two-way	0.01	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Junction	Arm	Name	Description	Arm type
1	A	A259 Grevatts Lane		Major
	B	B2132 Worms Lane		Minor
	C	A259 Grevatts Lane W		Major
2	A	A259 Grevatts Lane W		Major
	B	B2132 Yapton Road		Minor
	C	A259 Grevatts Lane E		Major
3	A	A259 Grevatts Lane W		Major
	B	B2233 Burndell Road		Minor
	C	A259 Grevatts Lane E		Major
4	A	A259 Grevatts Lane E		Major
	B	Climping Street		Minor
	C	A259 Crookthorne Lanes		Major

Major Arm Geometry

Junction	Arm	Width of carriageway (m)	Has kerbed central reserve	Width of kerbed central reserve (m)	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
1	C	7.30	✓	10.00	✓	3.65	100.0		-
2	C	7.30	✓	10.00	✓	3.65	100.0	✓	14.00
3	C	7.30	✓	8.00	✓	3.50	120.0	✓	7.00
4	C	7.30	✓	8.00	✓	3.65	120.0	✓	15.00

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

Minor Arm Geometry

Junction	Arm	Minor arm type	Lane width (m)	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)
1	B	One lane	3.00								70	35
2	B	One lane	3.70								200	200
3	B	One lane	4.50								240	240
4	B	One lane plus flare		10.00	6.75	4.60	3.00	3.00		2.00	50	50

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
2	B-A	851	0.120	0.302	0.190	0.432
2	B-C	802	0.116	0.293	-	-
2	C-B	732	0.267	0.267	-	-

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	633	0.089	0.225	0.141	0.321
1	B-C	646	0.093	0.236	-	-
1	C-B	732	0.267	0.267	-	-

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
4	B-A	626	0.091	0.231	0.145	0.330
4	B-C	713	0.103	0.261	-	-
4	C-B	745	0.272	0.272	-	-

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
3	B-A	932	0.136	0.343	0.216	0.491
3	B-C	891	0.129	0.326	-	-
3	C-B	734	0.268	0.268	-	-

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.

Lanes

Junction	Arm	Lane level	Lane	Destination arms	Has limited storage	Storage (PCU)	Minimum capacity (PCU/hr)	Maximum capacity (PCU/hr)
1	A	1 [Give-way line]	1	B,C	✓	3.00	0	99999
	B	1 [Give-way line]	1	A,C		Infinity	0	99999
	C	1 [Give-way line]	1	A		Infinity	0	99999
			2	B		Infinity	0	99999
2	A	1 [Give-way line]	1	B,C	✓	3.00	0	99999
	B	1 [Give-way line]	1	A,C		Infinity	0	99999
	C	1 [Give-way line]	1	A	✓	14.00	0	99999
			2	B	✓	14.00	0	99999
		2	1	(A,B)	✓	3.00		
3	A	1 [Give-way line]	1	B,C	✓	3.00	0	99999
	B	1 [Give-way line]	1	A,C		Infinity	0	99999
	C	1 [Give-way line]	1	A	✓	7.00	0	99999
			2	B	✓	7.00	0	99999
		2	1	(A,B)	✓	3.00		
4	A	1 [Give-way line]	1	B,C		Infinity	0	99999
	B	1 [Give-way line]	1	C	✓	2.00	0	99999
			2	A	✓	2.00	0	99999
		2	1	(A,C)		Infinity		
	C	1 [Give-way line]	1	A	✓	15.00	0	99999
			2	B	✓	15.00	0	99999
		2	1	(A,B)	✓	3.00		

Lane Movements

Junction	Arm	Lane Level	Lane	Destination arm		
				A	B	C
2	A	1 [Give-way line]	1		✓	✓
	B	1 [Give-way line]	1	✓		✓
	C	1 [Give-way line]	1	✓		
			2		✓	
		2	1	✓	✓	

Lane Movements

Junction	Arm	Lane Level	Lane	Destination arm		
				A	B	C
1	A	1 [Give-way line]	1		✓	✓
	B	1 [Give-way line]	1	✓		✓
	C	1 [Give-way line]	1	✓		
			2		✓	

Lane Movements

Junction	Arm	Lane Level	Lane	Destination arm		
				A	B	C
4	A	1 [Give-way line]	1		✓	✓
	B	1 [Give-way line]	1			✓
			2	✓		
		2	1	✓		✓
	C	1 [Give-way line]	1	✓		
			2		✓	
		2	1	✓	✓	

Lane Movements

Junction	Arm	Lane Level	Lane	Destination arm		
				A	B	C
3	A	1 [Give-way line]	1		✓	✓
	B	1 [Give-way line]	1	✓		✓
	C	1 [Give-way line]	1	✓		
			2		✓	
		2	1	✓	✓	

Traffic Demand

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

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	A	2	A	Simple (vertical queueing)	Normal	0	100.00	
2	A	1	A	Simple (vertical queueing)	Normal	0	100.00	
	C	3	A	Simple (vertical queueing)	Normal	0	100.00	
3	A	2	C	Simple (vertical queueing)	Normal	0	100.00	
	C	4	C	Simple (vertical queueing)	Normal	0	100.00	
4	C	3	C	Simple (vertical queueing)	Normal	0	100.00	

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A	✓				
	B		ONE HOUR	✓	153	100.000
	C		ONE HOUR	✓	1506	100.000
2	A	✓				
	B		ONE HOUR	✓	301	100.000
	C	✓				
3	A	✓				
	B		ONE HOUR	✓	343	100.000
	C	✓				
4	A		ONE HOUR	✓	1067	100.000
	B		ONE HOUR	✓	60	100.000
	C	✓				

Origin-Destination Data

Demand (PCU/hr)

Junction 2

	To			
		A	B	C
From	A	0	631	1014
	B	298	0	3
	C	835	16	0

Demand (PCU/hr)

Junction 1

	To			
		A	B	C
From	A	0	111	1023
	B	152	0	1
	C	1493	13	0

Demand (PCU/hr)

Junction 4

	To			
		A	B	C
From	A	0	7	1060
	B	25	0	35
	C	1216	43	0

Junction 3

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	101	916
	B	0	0	343
	C	816	282	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 2

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 1

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 4

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 3

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max delay (min)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	A	0.00	0.0	A	807	1210
	B	0.58	1.3	D	111	166
	C	0.00	0.0	A	1107	1660
2	A	0.00	0.0	A	1206	1809
	B	0.57	2.5	D	223	334
	C	0.00	0.1	A	597	896
3	A	0.00	0.0	A	747	1121
	B	0.19	1.1	B	254	380
	C	0.06	1.1	A	803	1205
4	A	0.00	0.0	A	783	1174
	B	0.20	0.2	B	45	67
	C	0.00	0.1	A	927	1391

Main Results for each time segment

07:30 - 07:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	663	166	663	989	0.0	0.0	0.000	A
	B	92	23	91	72	0.0	0.4	0.201	B
	C	908	227	908	600	0.0	0.0	0.001	A
2	A	989	247	989	663	0.0	0.0	0.000	A
	B	186	46	185	384	0.0	0.6	0.160	A
	C	489	122	489	617	0.0	0.0	0.002	A
3	A	617	154	617	489	0.0	0.0	0.000	A
	B	202	51	203	229	0.0	0.3	0.117	A
	C	655	164	656	758	0.0	0.4	0.037	A
4	A	639	160	639	746	0.0	0.0	0.000	A
	B	36	9	36	32	0.0	0.1	0.134	A
	C	758	189	758	655	0.0	0.0	0.004	A

07:45 - 08:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	790	197	790	1182	0.0	0.0	0.000	A
	B	109	27	108	86	0.4	0.6	0.301	C
	C	1083	271	1083	714	0.0	0.0	0.001	A
2	A	1182	295	1182	790	0.0	0.0	0.000	A
	B	214	54	215	462	0.6	0.9	0.240	B
	C	588	147	588	733	0.0	0.0	0.003	A
3	A	733	183	733	588	0.0	0.0	0.000	A
	B	251	63	251	273	0.3	0.6	0.144	A
	C	787	197	787	910	0.4	0.6	0.044	A
4	A	766	191	766	898	0.0	0.0	0.000	A
	B	45	11	44	35	0.1	0.1	0.156	A
	C	910	227	909	787	0.0	0.1	0.004	A

08:00 - 08:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	961	240	961	1448	0.0	0.0	0.000	A
	B	129	32	129	105	0.6	1.3	0.522	D
	C	1333	333	1333	869	0.0	0.0	0.001	A
2	A	1448	362	1448	961	0.0	0.0	0.000	A
	B	260	65	262	569	0.9	2.5	0.495	D
	C	714	178	714	894	0.0	0.0	0.003	A
3	A	894	223	894	714	0.0	0.0	0.000	A
	B	306	76	306	342	0.6	0.9	0.188	B
	C	968	242	968	1112	0.6	1.0	0.062	A
4	A	942	235	942	1097	0.0	0.0	0.000	A
	B	55	14	55	44	0.1	0.2	0.192	B
	C	1112	278	1112	968	0.1	0.1	0.005	A

08:15 - 08:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	961	240	961	1442	0.0	0.0	0.000	A
	B	132	33	132	104	1.3	1.2	0.576	D
	C	1322	331	1322	869	0.0	0.0	0.001	A
2	A	1442	360	1442	961	0.0	0.0	0.000	A
	B	269	67	267	563	2.5	2.4	0.573	D
	C	711	178	711	895	0.0	0.1	0.003	A
3	A	895	224	895	711	0.0	0.0	0.000	A
	B	311	78	309	333	0.9	1.1	0.192	B
	C	956	239	956	1115	1.0	1.1	0.063	A
4	A	931	233	931	1097	0.0	0.0	0.001	A
	B	53	13	53	46	0.2	0.2	0.201	B
	C	1115	279	1115	956	0.1	0.1	0.005	A

08:30 - 08:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	796	199	796	1188	0.0	0.0	0.000	A
	B	109	27	109	87	1.2	0.5	0.335	C
	C	1090	272	1090	719	0.0	0.0	0.001	A
2	A	1188	297	1188	796	0.0	0.0	0.000	A
	B	223	56	223	465	2.4	0.9	0.300	C
	C	585	146	585	736	0.1	0.0	0.003	A
3	A	736	184	736	585	0.0	0.0	0.000	A
	B	245	61	246	271	1.1	0.6	0.142	A
	C	788	197	786	912	1.1	0.6	0.047	A
4	A	769	192	769	900	0.0	0.0	0.000	A
	B	43	11	43	37	0.2	0.1	0.162	A
	C	912	228	913	788	0.1	0.1	0.004	A

08:45 - 09:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	671	168	671	987	0.0	0.0	0.000	A
	B	92	23	93	75	0.5	0.3	0.223	B
	C	903	226	903	605	0.0	0.0	0.001	A
2	A	987	247	987	671	0.0	0.0	0.000	A
	B	185	46	185	388	0.9	0.5	0.186	B
	C	498	124	497	611	0.0	0.0	0.003	A
3	A	611	153	611	498	0.0	0.0	0.000	A
	B	207	52	207	229	0.6	0.5	0.123	A
	C	666	167	666	757	0.6	0.4	0.039	A
4	A	651	163	651	748	0.0	0.0	0.000	A
	B	36	9	36	29	0.1	0.1	0.141	A
	C	757	189	757	666	0.1	0.1	0.004	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:30 - 07:45

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	Entry	1	1	B,C	663	663	0.0	0.0	0.000	A
		Exit	1	1		989	989	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	92	91	0.0	0.4	0.201	B
		Exit	1	1		72	72	0.0	0.0	0.000	A
	C	Entry	1	1	A	899	899	0.0	0.0	0.000	A
		Exit	1	1	B	8	8	0.0	0.0	0.106	A
2	A	Entry	1	1	B,C	989	989	0.0	0.0	0.000	A
		Exit	1	1		663	663	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	186	185	0.0	0.6	0.160	A
		Exit	1	1		384	384	0.0	0.0	0.000	A
	C	Entry	1	1	A	479	479	0.0	0.0	0.000	A
			2	2	B	9	10	0.0	0.0	0.121	A
		Exit	2	1	(A,B)	489	489	0.0	0.0	0.000	A
			1	1		617	617	0.0	0.0	0.000	A
3	A	Entry	1	1	B,C	617	617	0.0	0.0	0.000	A
		Exit	1	1		489	489	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	202	203	0.0	0.3	0.117	A
		Exit	1	1		229	229	0.0	0.0	0.000	A
	C	Entry	1	1	A	489	489	0.0	0.0	0.000	A
			2	2	B	167	167	0.0	0.4	0.142	A
		Exit	2	1	(A,B)	655	655	0.0	0.0	0.000	A
			1	1		758	758	0.0	0.0	0.000	A
4	A	Entry	1	1	B,C	639	639	0.0	0.0	0.000	A
		Exit	1	1		746	746	0.0	0.0	0.000	A
	B	Entry	1	1	C	20	20	0.0	0.0	0.114	A
			2	2	A	16	16	0.0	0.0	0.161	A
		Exit	2	1	(A,C)	36	36	0.0	0.0	0.000	A
			1	1		32	32	0.0	0.0	0.000	A
	C	Entry	1	1	A	730	730	0.0	0.0	0.000	A
			2	2	B	28	28	0.0	0.0	0.101	A
		Exit	2	1	(A,B)	758	758	0.0	0.0	0.000	A
			1	1		655	655	0.0	0.0	0.000	A

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	Entry	1	1	B,C	790	790	0.0	0.0	0.000	A
		Exit	1	1		1182	1182	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	109	108	0.4	0.6	0.301	C
		Exit	1	1		86	86	0.0	0.0	0.000	A
	C	Entry	1	1	A	1074	1074	0.0	0.0	0.000	A
		Exit	1	2	B	9	9	0.0	0.0	0.122	A
2	A	Entry	1	1	B,C	1182	1182	0.0	0.0	0.000	A
		Exit	1	1		790	790	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	214	215	0.6	0.9	0.240	B
		Exit	1	1		462	462	0.0	0.0	0.000	A
	C	Entry	1	1	A	577	577	0.0	0.0	0.000	A
				2	B	11	11	0.0	0.0	0.149	A
		Exit	1	1	(A,B)	588	588	0.0	0.0	0.000	A
				1		733	733	0.0	0.0	0.000	A
3	A	Entry	1	1	B,C	733	733	0.0	0.0	0.000	A
		Exit	1	1		588	588	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	251	251	0.3	0.6	0.144	A
		Exit	1	1		273	273	0.0	0.0	0.000	A
	C	Entry	1	1	A	588	588	0.0	0.0	0.000	A
				2	B	199	199	0.4	0.6	0.172	B
		Exit	1	1	(A,B)	787	787	0.0	0.0	0.000	A
				1		910	910	0.0	0.0	0.000	A
4	A	Entry	1	1	B,C	766	766	0.0	0.0	0.000	A
		Exit	1	1		898	898	0.0	0.0	0.000	A
	B	Entry	1	1	C	27	27	0.0	0.1	0.121	A
				2	A	18	18	0.0	0.1	0.205	B
		Exit	1	1	(A,C)	45	45	0.0	0.0	0.001	A
				1		35	35	0.0	0.0	0.000	A
	C	Entry	1	1	A	880	880	0.0	0.0	0.000	A
				2	B	30	30	0.0	0.1	0.120	A
		Exit	1	1	(A,B)	910	910	0.0	0.0	0.000	A
				1		787	787	0.0	0.0	0.000	A

08:00 - 08:15

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	Entry	1	1	B,C	961	961	0.0	0.0	0.000	A
		Exit	1	1		1448	1448	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	129	129	0.6	1.3	0.522	D
		Exit	1	1		105	105	0.0	0.0	0.000	A
	C	Entry	1	1	A	1321	1321	0.0	0.0	0.000	A
		Exit	1	2	B	12	12	0.0	0.0	0.127	A
2	A	Entry	1	1	B,C	1448	1448	0.0	0.0	0.000	A
		Exit	1	1		961	961	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	260	262	0.9	2.5	0.495	D
		Exit	1	1		569	569	0.0	0.0	0.000	A
	C	Entry	1	1	A	701	701	0.0	0.0	0.000	A
			2	2	B	12	12	0.0	0.0	0.177	B
		Exit	2	1	(A,B)	714	714	0.0	0.0	0.000	A
			1	1		894	894	0.0	0.0	0.000	A
3	A	Entry	1	1	B,C	894	894	0.0	0.0	0.000	A
		Exit	1	1		714	714	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	306	306	0.6	0.9	0.188	B
		Exit	1	1		342	342	0.0	0.0	0.000	A
	C	Entry	1	1	A	714	714	0.0	0.0	0.000	A
			2	2	B	254	254	0.6	1.0	0.238	B
		Exit	2	1	(A,B)	968	968	0.0	0.0	0.001	A
			1	1		1112	1112	0.0	0.0	0.000	A
4	A	Entry	1	1	B,C	942	942	0.0	0.0	0.000	A
		Exit	1	1		1097	1097	0.0	0.0	0.000	A
	B	Entry	1	1	C	31	32	0.1	0.1	0.137	A
			2	2	A	23	23	0.1	0.1	0.265	C
		Exit	2	1	(A,C)	55	55	0.0	0.0	0.002	A
			1	1		44	44	0.0	0.0	0.000	A
	C	Entry	1	1	A	1074	1074	0.0	0.0	0.000	A
			2	2	B	38	38	0.1	0.1	0.136	A
		Exit	2	1	(A,B)	1112	1112	0.0	0.0	0.000	A
			1	1		968	968	0.0	0.0	0.000	A

08:15 - 08:30

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	Entry	1	1	B,C	961	961	0.0	0.0	0.000	A
		Exit	1	1		1442	1442	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	132	132	1.3	1.2	0.576	D
		Exit	1	1		104	104	0.0	0.0	0.000	A
	C	Entry	1	1	A	1311	1311	0.0	0.0	0.000	A
		Exit	1	2	B	12	11	0.0	0.0	0.130	A
2	A	Entry	1	1	B,C	1442	1442	0.0	0.0	0.000	A
		Exit	1	1		961	961	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	269	267	2.5	2.4	0.573	D
		Exit	1	1		563	563	0.0	0.0	0.000	A
	C	Entry	1	1	A	697	697	0.0	0.0	0.000	A
			2	2	B	14	14	0.0	0.1	0.181	B
		Exit	2	1	(A,B)	711	711	0.0	0.0	0.000	A
			1	1		895	895	0.0	0.0	0.000	A
3	A	Entry	1	1	B,C	895	895	0.0	0.0	0.000	A
		Exit	1	1		711	711	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	311	309	0.9	1.1	0.192	B
		Exit	1	1		333	333	0.0	0.0	0.000	A
	C	Entry	1	1	A	711	711	0.0	0.0	0.000	A
			2	2	B	245	244	1.0	1.1	0.241	B
		Exit	2	1	(A,B)	956	956	0.0	0.0	0.001	A
			1	1		1115	1115	0.0	0.0	0.000	A
4	A	Entry	1	1	B,C	931	931	0.0	0.0	0.001	A
		Exit	1	1		1097	1097	0.0	0.0	0.000	A
	B	Entry	1	1	C	31	31	0.1	0.1	0.142	A
			2	2	A	22	22	0.1	0.1	0.277	C
		Exit	2	1	(A,C)	53	53	0.0	0.0	0.002	A
			1	1		46	46	0.0	0.0	0.000	A
	C	Entry	1	1	A	1075	1075	0.0	0.0	0.000	A
			2	2	B	40	40	0.1	0.1	0.132	A
		Exit	2	1	(A,B)	1115	1115	0.0	0.0	0.000	A
			1	1		956	956	0.0	0.0	0.001	A

08:30 - 08:45

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	Entry	1	1	B,C	796	796	0.0	0.0	0.000	A
		Exit	1	1		1188	1188	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	109	109	1.2	0.5	0.335	C
		Exit	1	1		87	87	0.0	0.0	0.000	A
	C	Entry	1	1	A	1081	1081	0.0	0.0	0.000	A
		Exit	1	2	B	9	9	0.0	0.0	0.113	A
2	A	Entry	1	1	B,C	1188	1188	0.0	0.0	0.000	A
		Exit	1	1		796	796	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	223	223	2.4	0.9	0.300	C
		Exit	1	1		465	465	0.0	0.0	0.000	A
	C	Entry	1	1	A	575	575	0.0	0.0	0.000	A
			2	2	B	11	11	0.1	0.0	0.155	A
		Exit	2	1	(A,B)	585	585	0.0	0.0	0.000	A
			1	1		736	736	0.0	0.0	0.000	A
3	A	Entry	1	1	B,C	736	736	0.0	0.0	0.000	A
		Exit	1	1		585	585	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	245	246	1.1	0.6	0.142	A
		Exit	1	1		271	271	0.0	0.0	0.000	A
	C	Entry	1	1	A	585	585	0.0	0.0	0.000	A
			2	2	B	203	201	1.1	0.6	0.182	B
		Exit	2	1	(A,B)	788	788	0.0	0.0	0.000	A
			1	1		912	912	0.0	0.0	0.000	A
4	A	Entry	1	1	B,C	769	769	0.0	0.0	0.000	A
		Exit	1	1		900	900	0.0	0.0	0.000	A
	B	Entry	1	1	C	24	24	0.1	0.1	0.128	A
			2	2	A	19	19	0.1	0.1	0.206	B
		Exit	2	1	(A,C)	43	43	0.0	0.0	0.000	A
			1	1		37	37	0.0	0.0	0.000	A
	C	Entry	1	1	A	881	881	0.0	0.0	0.000	A
			2	2	B	32	32	0.1	0.1	0.124	A
		Exit	2	1	(A,B)	912	912	0.0	0.0	0.000	A
			1	1		788	788	0.0	0.0	0.000	A

08:45 - 09:00

Junction	Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (min)	LOS
1	A	Entry	1	1	B,C	671	671	0.0	0.0	0.000	A
		Exit	1	1		987	987	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	92	93	0.5	0.3	0.223	B
		Exit	1	1		75	75	0.0	0.0	0.000	A
	C	Entry	1	1	A	895	895	0.0	0.0	0.000	A
		Exit	1	2	B	8	8	0.0	0.0	0.113	A
2	A	Entry	1	1	B,C	987	987	0.0	0.0	0.000	A
		Exit	1	1		671	671	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	185	185	0.9	0.5	0.186	B
		Exit	1	1		388	388	0.0	0.0	0.000	A
	C	Entry	1	1	A	488	488	0.0	0.0	0.000	A
			2	2	B	10	9	0.0	0.0	0.131	A
		Exit	2	1	(A,B)	498	498	0.0	0.0	0.000	A
			1	1		611	611	0.0	0.0	0.000	A
3	A	Entry	1	1	B,C	611	611	0.0	0.0	0.000	A
		Exit	1	1		498	498	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	207	207	0.6	0.5	0.123	A
		Exit	1	1		229	229	0.0	0.0	0.000	A
	C	Entry	1	1	A	498	498	0.0	0.0	0.000	A
			2	2	B	168	168	0.6	0.4	0.152	A
		Exit	2	1	(A,B)	666	666	0.0	0.0	0.000	A
			1	1		757	757	0.0	0.0	0.000	A
4	A	Entry	1	1	B,C	651	651	0.0	0.0	0.000	A
		Exit	1	1		748	748	0.0	0.0	0.000	A
	B	Entry	1	1	C	20	20	0.1	0.0	0.116	A
			2	2	A	16	16	0.1	0.0	0.176	B
		Exit	2	1	(A,C)	36	36	0.0	0.0	0.000	A
			1	1		29	29	0.0	0.0	0.000	A
	C	Entry	1	1	A	732	732	0.0	0.0	0.000	A
			2	2	B	25	25	0.1	0.1	0.110	A
		Exit	2	1	(A,B)	757	757	0.0	0.0	0.000	A
			1	1		666	666	0.0	0.0	0.000	A