

Junctions 9

PICADY 9 - Priority Intersection Module

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Filename: Oystercatcher.j9

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

Report generation date: 23/10/2017 12:36:08

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

*2031 Base + Dev 550 Units No Through Link, PM

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	0.4	0.01		A
Junction 1 - Arm B	0.2	0.20		B	0.6	0.59		E
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	1.0	0.19		B	3.2	0.38		C
Junction 2 - Arm C	1.2	0.07		A	2.0	0.08		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	✓	164011208	101	17.94

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	2031 Base + Dev 550 Units No Through Link	AM	ONE HOUR	07:30	09:00	15	✓
D2	2031 Base + Dev 550 Units No Through Link	PM	ONE HOUR	16:30	18:00	15	✓

Analysis Set Details

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

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 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 2	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	0.01	A
2	untitled	T-Junction	Two-way	0.06	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Junction	Arm	Name	Description	Arm type
1	A	A259 Grevatts Lane E		Major
	B	Climping Street		Minor
	C	A259 Crookthorne Lanes		Major
2	A	A259 Grevatts Lane W		Major
	B	B2233 Burndell Road		Minor
	C	A259 Grevatts Lane E		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	✓	8.00	✓	3.65	120.0	✓	15.00
2	C	7.30	✓	8.00	✓	3.50	120.0	✓	7.00

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 plus flare		10.00	6.75	4.60	3.00	3.00		2.00	50	50
2	B	One lane	4.50								240	240

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	626	0.091	0.231	0.145	0.330
1	B-C	713	0.103	0.261	-	-
1	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
2	B-A	932	0.136	0.343	0.216	0.491
2	B-C	891	0.129	0.326	-	-
2	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		Infinity	0	99999
	B	1 [Give-way line]	1	C	✓	2.00	0	99999
			2	A	✓	2.00	0	99999
	2	1 [Give-way line]	1	(A,C)		Infinity		
			1	A	✓	15.00	0	99999
			2	B	✓	15.00	0	99999
2	C	1 [Give-way line]	1	(A,B)	✓	3.00		
			2					
	A	1 [Give-way line]	1	B,C		Infinity	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 [Give-way line]	1	(A,B)	✓	3.00		
			2					

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			✓
			2	✓		
	2	1 [Give-way line]	1	✓		✓
			1	✓		
			2		✓	
	C	1 [Give-way line]	1	✓	✓	
			2			

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 [Give-way line]	1	✓	✓	
			2			

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

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	C	2	C	Simple (vertical queueing)	Normal	0	100.00	
2	C	1	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		ONE HOUR	✓	1067	100.000
	B		ONE HOUR	✓	60	100.000
	C	✓				
2	A		ONE HOUR	✓	968	100.000
	B		ONE HOUR	✓	348	100.000
	C	✓				

Origin-Destination Data

Demand (PCU/hr)

Junction 1	To				
	From	A	B	C	
		A	0	7	1060
		B	25	0	35
		C	1184	7	0

Demand (PCU/hr)

Junction 2	To				
	From	A	B	C	
		A	0	96	872
		B	0	0	348
		C	781	293	0

Vehicle Mix

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 2		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	787	1181
	B	0.20	0.2	B	46	68
	C	0.00	0.0	A	896	1343
2	A	0.00	0.0	A	710	1065
	B	0.19	1.0	B	255	383
	C	0.07	1.2	A	809	1213

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	641	160	641	754	0.0	0.0	0.000	A
	B	37	9	36	8	0.0	0.1	0.128	A
	C	742	186	742	657	0.0	0.0	0.001	A
2	A	593	148	593	477	0.0	0.0	0.000	A
	B	207	52	206	234	0.0	0.4	0.116	A
	C	657	164	654	742	0.0	0.6	0.040	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	770	193	770	884	0.0	0.0	0.000	A
	B	43	11	43	9	0.1	0.1	0.156	A
	C	871	218	871	792	0.0	0.0	0.001	A
2	A	683	171	683	571	0.0	0.0	0.000	A
	B	249	62	253	287	0.4	0.4	0.139	A
	C	792	198	792	871	0.6	0.7	0.051	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	951	238	951	1089	0.0	0.0	0.000	A
	B	55	14	55	13	0.1	0.2	0.190	B
	C	1075	269	1075	979	0.0	0.0	0.001	A
2	A	861	215	861	713	0.0	0.0	0.000	A
	B	304	76	303	360	0.4	1.0	0.188	B
	C	979	245	984	1075	0.7	0.9	0.064	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	939	235	939	1070	0.0	0.0	0.000	A
	B	55	14	54	12	0.2	0.2	0.200	B
	C	1052	263	1052	962	0.0	0.0	0.001	A
2	A	837	209	837	706	0.0	0.0	0.000	A
	B	301	75	300	340	1.0	0.8	0.178	B
	C	962	241	961	1052	0.9	1.2	0.066	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	773	193	773	891	0.0	0.0	0.000	A
	B	48	12	48	12	0.2	0.1	0.158	A
	C	878	220	878	796	0.0	0.0	0.001	A
2	A	692	173	692	577	0.0	0.0	0.000	A
	B	255	64	254	286	0.8	0.7	0.144	A
	C	796	199	796	878	1.2	0.6	0.050	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	648	162	648	767	0.0	0.0	0.000	A
	B	36	9	36	6	0.1	0.1	0.135	A
	C	754	189	754	665	0.0	0.0	0.001	A
2	A	594	149	594	489	0.0	0.0	0.000	A
	B	216	54	216	233	0.7	0.4	0.124	A
	C	665	166	666	754	0.6	0.4	0.040	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	641	641	0.0	0.0	0.000	A
		Exit	1	1		754	754	0.0	0.0	0.000	A
	B	Entry	1	1	C	21	20	0.0	0.1	0.112	A
			2	2	A	16	15	0.0	0.1	0.149	A
		Exit	1	1	(A,C)	37	36	0.0	0.0	0.000	A
			2	2		8	8	0.0	0.0	0.000	A
	C	Entry	1	1	A	738	738	0.0	0.0	0.000	A
			2	2	B	4	4	0.0	0.0	0.117	A
		Exit	1	1	(A,B)	742	742	0.0	0.0	0.000	A
			2	2		657	657	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	593	593	0.0	0.0	0.000	A
		Exit	1	1		477	477	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	207	206	0.0	0.4	0.116	A
		Exit	1	1		234	234	0.0	0.0	0.000	A
	C	Entry	1	1	A	477	477	0.0	0.0	0.000	A
			2	2	B	180	177	0.0	0.6	0.146	A
		Exit	1	1	(A,B)	657	657	0.0	0.0	0.000	A
			2	2		742	742	0.0	0.0	0.000	A

07:45 - 08:00

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	770	770	0.0	0.0	0.000	A
		Exit	1	1		884	884	0.0	0.0	0.000	A
	B	Entry	1	1	C	26	26	0.1	0.1	0.125	A
			2	2	A	17	17	0.1	0.1	0.201	B
		Exit	1	1	(A,C)	43	43	0.0	0.0	0.001	A
			2	2		9	9	0.0	0.0	0.000	A
	C	Entry	1	1	A	867	867	0.0	0.0	0.000	A
			2	2	B	4	4	0.0	0.0	0.121	A
		Exit	1	1	(A,B)	871	871	0.0	0.0	0.000	A
			2	2		792	792	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	683	683	0.0	0.0	0.000	A
		Exit	1	1		571	571	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	249	253	0.4	0.4	0.139	A
		Exit	1	1		287	287	0.0	0.0	0.000	A
	C	Entry	1	1	A	571	571	0.0	0.0	0.000	A
			2	2	B	221	222	0.6	0.7	0.185	B
		Exit	1	1	(A,B)	792	792	0.0	0.0	0.000	A
			2	2		871	871	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	951	951	0.0	0.0	0.000	A
		Exit	1	1		1089	1089	0.0	0.0	0.000	A
	B	Entry	1	1	C	34	33	0.1	0.1	0.139	A
			2	2	A	21	21	0.1	0.1	0.262	C
		Exit	1	1	(A,C)	55	55	0.0	0.0	0.000	A
			2	2		13	13	0.0	0.0	0.000	A
	C	Entry	1	1	A	1068	1068	0.0	0.0	0.000	A
			2	2	B	7	7	0.0	0.0	0.124	A
		Exit	1	1	(A,B)	1075	1075	0.0	0.0	0.000	A
			2	2		979	979	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	861	861	0.0	0.0	0.000	A
		Exit	1	1		713	713	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	304	303	0.4	1.0	0.188	B
		Exit	1	1		360	360	0.0	0.0	0.000	A
	C	Entry	1	1	A	713	713	0.0	0.0	0.000	A
			2	2	B	266	271	0.7	0.9	0.234	B
		Exit	1	1	(A,B)	979	979	0.0	0.0	0.001	A
			2	2		1075	1075	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	939	939	0.0	0.0	0.000	A
		Exit	1	1		1070	1070	0.0	0.0	0.000	A
	B	Entry	1	1	C	32	31	0.1	0.1	0.140	A
				2	A	24	23	0.1	0.1	0.274	B
		Exit	2	1	(A,C)	55	55	0.0	0.0	0.005	A
			1	1		12	12	0.0	0.0	0.000	A
	C	Entry	1	1	A	1048	1048	0.0	0.0	0.000	A
				2	B	5	5	0.0	0.0	0.119	A
		Exit	2	1	(A,B)	1052	1052	0.0	0.0	0.000	A
			1	1		962	962	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	837	837	0.0	0.0	0.000	A
		Exit	1	1		706	706	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	301	300	1.0	0.8	0.178	B
		Exit	1	1		340	340	0.0	0.0	0.000	A
	C	Entry	1	1	A	706	706	0.0	0.0	0.000	A
				2	B	257	255	0.9	1.2	0.244	B
		Exit	2	1	(A,B)	962	962	0.0	0.0	0.001	A
			1	1		1052	1052	0.0	0.0	0.000	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	773	773	0.0	0.0	0.000	A
		Exit	1	1		891	891	0.0	0.0	0.000	A
	B	Entry	1	1	C	29	30	0.1	0.0	0.124	A
				2	A	18	19	0.1	0.0	0.209	B
		Exit	2	1	(A,C)	48	48	0.0	0.0	0.001	A
			1	1		12	12	0.0	0.0	0.000	A
	C	Entry	1	1	A	872	872	0.0	0.0	0.000	A
				2	B	6	6	0.0	0.0	0.119	A
		Exit	2	1	(A,B)	878	878	0.0	0.0	0.000	A
			1	1		796	796	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	692	692	0.0	0.0	0.000	A
		Exit	1	1		577	577	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	255	254	0.8	0.7	0.144	A
		Exit	1	1		286	286	0.0	0.0	0.000	A
	C	Entry	1	1	A	577	577	0.0	0.0	0.000	A
				2	B	219	219	1.2	0.6	0.180	B
		Exit	2	1	(A,B)	796	796	0.0	0.0	0.000	A
			1	1		878	878	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	648	648	0.0	0.0	0.000	A
		Exit	1	1		767	767	0.0	0.0	0.000	A
	B	Entry	1	1	C	20	20	0.0	0.0	0.107	A
				2	A	16	15	0.0	0.0	0.169	B
		Exit	2	1	(A,C)	36	36	0.0	0.0	0.000	A
			1	1		6	6	0.0	0.0	0.000	A
	C	Entry	1	1	A	751	751	0.0	0.0	0.000	A
				2	B	3	3	0.0	0.0	0.106	A
		Exit	2	1	(A,B)	754	754	0.0	0.0	0.000	A
			1	1		665	665	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	594	594	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	216	216	0.7	0.4	0.124	A
		Exit	1	1		233	233	0.0	0.0	0.000	A
	C	Entry	1	1	A	489	489	0.0	0.0	0.000	A
				2	B	176	177	0.6	0.4	0.147	A
		Exit	2	1	(A,B)	665	665	0.0	0.0	0.000	A
			1	1		754	754	0.0	0.0	0.000	A

2031 Base + Dev 550 Units No Through Link, PM

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 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 2	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	0.02	A
2	untitled	T-Junction	Two-way	0.10	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)	Run automatically
D2	2031 Base + Dev 550 Units No Through Link	PM	ONE HOUR	16:30	18:00	15	✓

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	C	2	C	Simple (vertical queueing)	Normal	0	100.00	
2	C	1	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		ONE HOUR	✓	1699	100.000
	B		ONE HOUR	✓	66	100.000
	C	✓				
2	A		ONE HOUR	✓	958	100.000
	B		ONE HOUR	✓	516	100.000
	C	✓				

Origin-Destination Data

Demand (PCU/hr)	
Junction 1	To
	From
	A
	B
	C
Junction 2	A
	B
	C
	Demand (PCU/hr)

		A	B	C
From	A	0	11	1688
	B	26	0	40
	C	1367	12	0

	To			
		A	B	C
	A	0	54	904
	B	0	0	516
From	C	1324	374	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

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

Heavy Vehicle Percentages

Junction 2

	To			
		A	B	C
	A	0	0	0
	B	0	0	0
From	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	0.01	0.4	A	1248	1871
	B	0.59	0.6	B	48	72
	C	0.00	0.0	A	1044	1566
2	A	0.00	0.0	A	703	1054
	B	0.38	3.2	C	382	573
	C	0.08	2.0	A	1269	1903

Main Results for each time segment

16:30 - 16:45

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	1020	255	1020	867	0.0	0.0	0.000	A
	B	40	10	40	15	0.0	0.1	0.159	A
	C	858	214	858	1036	0.0	0.0	0.001	A
2	A	575	144	575	806	0.0	0.0	0.000	A
	B	316	79	313	260	0.0	1.0	0.143	A
	C	1036	259	1035	858	0.0	0.8	0.036	A

16:45 - 17:00

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	1228	307	1228	1036	0.0	0.0	0.000	A
	B	49	12	48	16	0.1	0.2	0.250	C
	C	1025	256	1025	1249	0.0	0.0	0.001	A
2	A	691	173	691	973	0.0	0.0	0.000	A
	B	372	93	373	314	1.0	1.2	0.194	B
	C	1249	312	1248	1025	0.8	1.1	0.048	A

17:00 - 17:15

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	1509	377	1509	1258	0.0	0.2	0.006	A
	B	56	14	57	21	0.2	0.6	0.545	C
	C	1247	312	1247	1533	0.0	0.0	0.002	A
2	A	841	210	841	1199	0.0	0.0	0.000	A
	B	453	113	451	378	1.2	2.5	0.313	C
	C	1533	383	1531	1247	1.1	1.8	0.072	A

17:15 - 17:30

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	1485	371	1486	1270	0.2	0.4	0.013	A
	B	59	15	59	21	0.6	0.5	0.594	E
	C	1258	314	1258	1511	0.0	0.0	0.002	A
2	A	848	212	848	1176	0.0	0.0	0.000	A
	B	463	116	456	382	2.5	3.2	0.376	C
	C	1511	378	1511	1258	1.8	2.0	0.079	A

17:30 - 17:45

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	1220	305	1220	1025	0.4	0.0	0.003	A
	B	47	12	47	16	0.5	0.2	0.284	C
	C	1016	254	1016	1242	0.0	0.0	0.001	A
2	A	682	171	682	970	0.0	0.0	0.000	A
	B	372	93	373	308	3.2	1.3	0.225	B
	C	1242	310	1240	1016	2.0	1.1	0.053	A

17:45 - 18:00

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	1023	256	1023	870	0.0	0.0	0.000	A
	B	40	10	41	15	0.2	0.1	0.191	B
	C	861	215	861	1041	0.0	0.0	0.001	A
2	A	578	145	578	814	0.0	0.0	0.000	A
	B	314	78	314	258	1.3	0.8	0.156	A
	C	1041	260	1041	861	1.1	0.6	0.038	A

Lane Results

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

Lanes: Main Results for each time segment

18:30 - 18:45

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	1020	1020	0.0	0.0	0.000	A
		Exit	1	1		867	867	0.0	0.0	0.000	A
	B	Entry	1	1	C	23	23	0.0	0.1	0.128	A
				2	A	17	17	0.0	0.0	0.201	B
		Exit	2	1	(A,C)	40	40	0.0	0.0	0.001	A
			1	1		15	15	0.0	0.0	0.000	A
	C	Entry	1	1	A	850	850	0.0	0.0	0.000	A
				2	B	8	8	0.0	0.0	0.131	A
		Exit	2	1	(A,B)	858	858	0.0	0.0	0.000	A
			1	1		1036	1036	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	575	575	0.0	0.0	0.000	A
		Exit	1	1		806	806	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	316	313	0.0	1.0	0.143	A
		Exit	1	1		260	260	0.0	0.0	0.000	A
	C	Entry	1	1	A	806	806	0.0	0.0	0.000	A
				2	B	230	229	0.0	0.8	0.163	A
		Exit	2	1	(A,B)	1036	1036	0.0	0.0	0.000	A
			1	1		858	858	0.0	0.0	0.000	A

16:45 - 17:00

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	1228	1228	0.0	0.0	0.000	A
		Exit	1	1		1036	1036	0.0	0.0	0.000	A
	B	Entry	1	1	C	30	29	0.1	0.1	0.167	B
				2	A	19	19	0.0	0.1	0.370	C
		Exit	2	1	(A,C)	49	49	0.0	0.0	0.002	A
			1	1		16	16	0.0	0.0	0.000	A
	C	Entry	1	1	A	1017	1017	0.0	0.0	0.000	A
				2	B	8	8	0.0	0.0	0.149	A
		Exit	2	1	(A,B)	1025	1025	0.0	0.0	0.000	A
			1	1		1249	1249	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	691	691	0.0	0.0	0.000	A
		Exit	1	1		973	973	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	372	373	1.0	1.2	0.194	B
		Exit	1	1		314	314	0.0	0.0	0.000	A
	C	Entry	1	1	A	973	973	0.0	0.0	0.000	A
				2	B	276	275	0.8	1.0	0.216	B
		Exit	2	1	(A,B)	1249	1249	0.0	0.0	0.001	A
			1	1		1025	1025	0.0	0.0	0.000	A

17:00 - 17:15

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	1509	1509	0.0	0.2	0.006	A
		Exit	1	1		1258	1258	0.0	0.0	0.000	A
	B	Entry	1	1	C	35	35	0.1	0.2	0.254	C
				2	A	22	22	0.1	0.3	0.888	F
		Exit	2	1	(A,C)	56	56	0.0	0.0	0.052	A
			1	1		21	21	0.0	0.0	0.000	A
	C	Entry	1	1	A	1235	1235	0.0	0.0	0.000	A
				2	B	11	11	0.0	0.0	0.192	B
		Exit	2	1	(A,B)	1247	1247	0.0	0.0	0.000	A
			1	1		1533	1533	0.0	0.1	0.003	A
2	A	Entry	1	1	B,C	841	841	0.0	0.0	0.000	A
		Exit	1	1		1199	1199	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	453	451	1.2	2.5	0.313	C
		Exit	1	1		378	378	0.0	0.0	0.000	A
	C	Entry	1	1	A	1199	1199	0.0	0.0	0.000	A
				2	B	334	332	1.0	1.7	0.307	C
		Exit	2	1	(A,B)	1533	1533	0.0	0.1	0.004	A
			1	1		1247	1247	0.0	0.0	0.000	A

17:15 - 17:30

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	1485	1486	0.2	0.4	0.013	A
		Exit	1	1		1270	1270	0.0	0.0	0.000	A
	B	Entry	1	1	C	34	35	0.2	0.1	0.287	C
				2	A	24	24	0.3	0.3	0.884	F
		Exit	2	1	(A,C)	59	58	0.0	0.1	0.075	A
			1	1		21	21	0.0	0.0	0.000	A
	C	Entry	1	1	A	1246	1246	0.0	0.0	0.000	A
				2	B	12	12	0.0	0.0	0.184	B
		Exit	2	1	(A,B)	1258	1258	0.0	0.0	0.000	A
			1	1		1511	1511	0.1	0.2	0.005	A
2	A	Entry	1	1	B,C	848	848	0.0	0.0	0.000	A
		Exit	1	1		1176	1176	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	463	456	2.5	3.2	0.376	C
		Exit	1	1		382	382	0.0	0.0	0.000	A
	C	Entry	1	1	A	1176	1176	0.0	0.0	0.000	A
				2	B	335	335	1.7	1.8	0.329	C
		Exit	2	1	(A,B)	1511	1511	0.1	0.2	0.006	A
			1	1		1258	1258	0.0	0.0	0.000	A

17:30 - 17:45

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	1220	1220	0.4	0.0	0.003	A
		Exit	1	1		1025	1025	0.0	0.0	0.000	A
	B	Entry	1	1	C	30	30	0.1	0.1	0.188	B
				2	A	17	17	0.3	0.1	0.401	C
		Exit	2	1	(A,C)	47	47	0.1	0.0	0.020	A
			1	1		16	16	0.0	0.0	0.000	A
	C	Entry	1	1	A	1008	1008	0.0	0.0	0.000	A
				2	B	8	8	0.0	0.0	0.151	A
		Exit	2	1	(A,B)	1016	1016	0.0	0.0	0.000	A
			1	1		1242	1242	0.2	0.0	0.001	A
2	A	Entry	1	1	B,C	682	682	0.0	0.0	0.000	A
		Exit	1	1		970	970	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	372	373	3.2	1.3	0.225	B
		Exit	1	1		308	308	0.0	0.0	0.000	A
	C	Entry	1	1	A	970	970	0.0	0.0	0.000	A
				2	B	271	270	1.8	1.0	0.232	B
		Exit	2	1	(A,B)	1242	1242	0.2	0.0	0.002	A
			1	1		1016	1016	0.0	0.0	0.000	A

17:45 - 18:00

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	1023	1023	0.0	0.0	0.000	A
		Exit	1	1		870	870	0.0	0.0	0.000	A
	B	Entry	1	1	C	23	24	0.1	0.1	0.151	A
				2	A	17	17	0.1	0.1	0.249	B
		Exit	2	1	(A,C)	40	40	0.0	0.0	0.001	A
			1	1		15	15	0.0	0.0	0.000	A
	C	Entry	1	1	A	853	853	0.0	0.0	0.000	A
				2	B	8	8	0.0	0.0	0.129	A
		Exit	2	1	(A,B)	861	861	0.0	0.0	0.000	A
			1	1		1041	1041	0.0	0.0	0.000	A
2	A	Entry	1	1	B,C	578	578	0.0	0.0	0.000	A
		Exit	1	1		814	814	0.0	0.0	0.000	A
	B	Entry	1	1	A,C	314	314	1.3	0.8	0.156	A
		Exit	1	1		258	258	0.0	0.0	0.000	A
	C	Entry	1	1	A	814	814	0.0	0.0	0.000	A
				2	B	227	227	1.0	0.6	0.175	B
		Exit	2	1	(A,B)	1041	1041	0.0	0.0	0.000	A
			1	1		861	861	0.0	0.0	0.000	A