

Appendix N – Junction 6: Windsor Road / Owl Lane (Combined)

Junctions 9	
PICADY 9 - Priority Intersection Module	
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Filename: Junc 6 Windsor Road - Owl Lane Junction Feb2020.j9

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Report generation date: 02/03/2020 14:21:18

-
- »2019 Base, AM
 - »2019 Base, PM
 - »2024 DN, AM
 - »2024 DN, PM
 - »2030 DN, AM
 - »2030 DN, PM
 - »2024 DS(A), AM
 - »2024 DS(A), PM
 - »2024 DS(A+B), AM
 - »2024 DS(A+B), PM
 - »2030 DS(A), AM
 - »2030 DS(A), PM
 - »2030 DS(A+B), AM
 - »2030 DS(A+B), PM

Summary of junction performance

	AM					PM				
	Queue (Veh)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (Veh)	Delay (s)	RFC	LOS	Network Residual Capacity
2019 Base										
Stream B-AC	0.1	4.20	0.11	A	1 %	0.5	4.94	0.31	A	43 %
Stream C-AB	12.0	18.84	0.84	C	[Stream C-AB]	1.0	4.27	0.25	A	[Stream C-AB]
2024 DN										
Stream B-AC	0.1	4.62	0.12	A	-3 %	0.5	4.96	0.31	A	40 %
Stream C-AB	36.6	76.00	0.99	F	[Stream C-AB]	1.1	4.23	0.26	A	[Stream C-AB]
2030 DN										
Stream B-AC	0.2	5.53	0.15	A	-7 %	0.5	5.00	0.31	A	39 %
Stream C-AB	56.9	120.68	1.03	F	[Stream C-AB]	1.1	4.25	0.26	A	[Stream C-AB]
2024 DS(A)										
Stream B-AC	0.1	4.38	0.11	A	-1 %	0.4	4.86	0.31	A	43 %
Stream C-AB	24.1	41.13	0.95	E	[Stream C-AB]	1.0	4.13	0.25	A	[Stream C-AB]
2024 DS(A+B)										
Stream B-AC	0.1	4.45	0.12	A	-2 %	0.4	4.90	0.31	A	42 %
Stream C-AB	30.8	57.45	0.98	F	[Stream C-AB]	1.0	4.14	0.25	A	[Stream C-AB]
2030 DS(A)										
Stream B-AC	0.2	5.15	0.14	A	-5 %	0.4	4.89	0.31	A	41 %
Stream C-AB	45.2	93.47	1.01	F	[Stream C-AB]	1.0	4.13	0.25	A	[Stream C-AB]
2030 DS(A+B)										
Stream B-AC	0.5	8.89	0.32	A	-24 %	1.5	15.25	0.61	C	-9 %
Stream C-AB	264.3	628.37	1.30	F	[Stream C-AB]	70.2	152.34	1.06	F	[Stream C-AB]

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. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

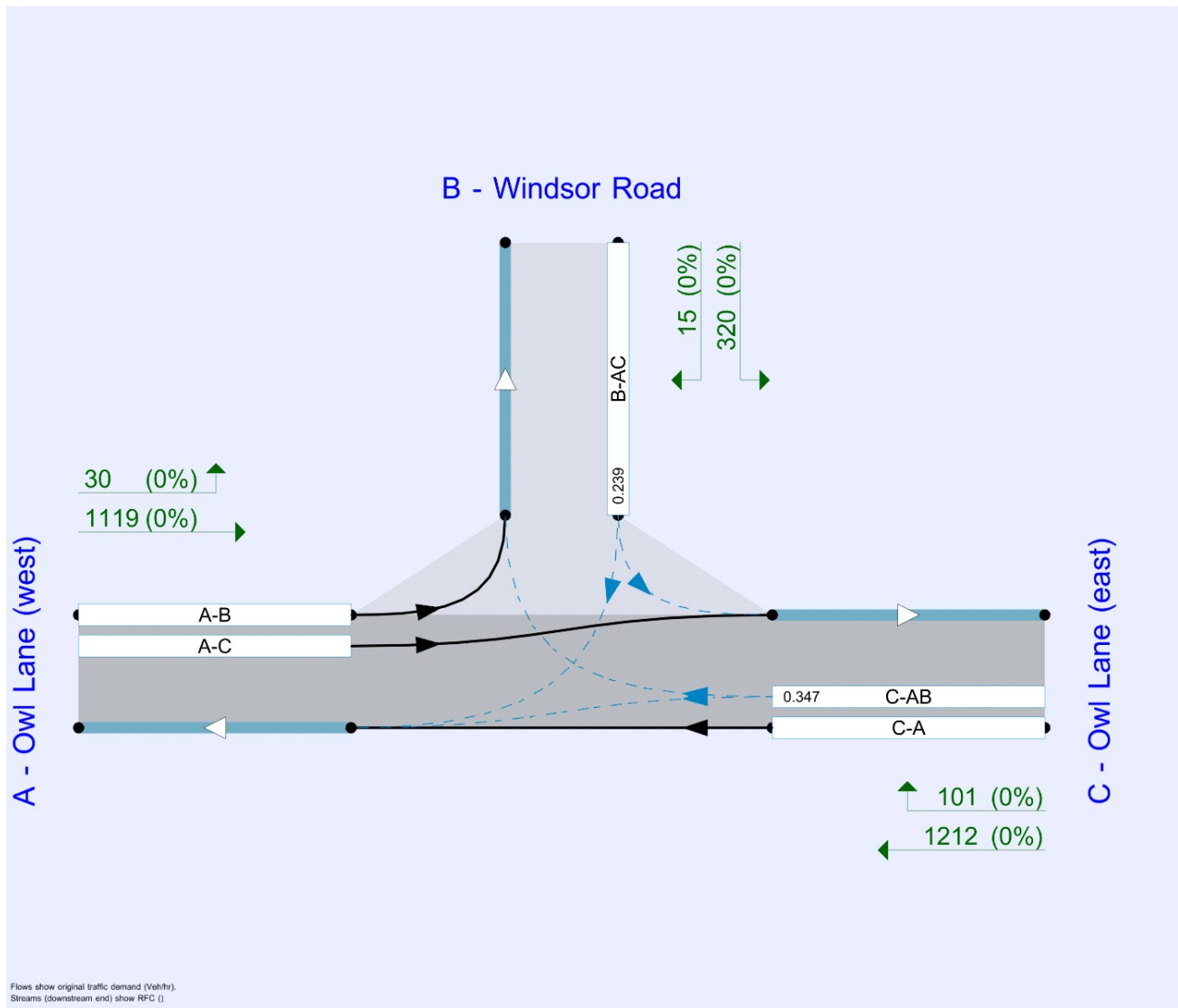
File summary

File Description

Title	B6128 Owl Lane / Owl Lane
Location	Chidswell, Dewsbury
Site number	
Date	18/07/2016
Version	
Status	
Identifier	
Client	Church Commissioners
Jobnumber	A079758
Enumerator	tim.delaat [1368DT]
Description	

Units

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



The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75			✓	Delay	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	2019 Base	AM	ONE HOUR	07:15	08:45	15	✓
D2	2019 Base	PM	ONE HOUR	16:15	17:45	15	✓
D3	2024 DN	AM	ONE HOUR	07:15	08:45	15	✓
D4	2024 DN	PM	ONE HOUR	16:15	17:45	15	✓
D5	2030 DN	AM	ONE HOUR	07:15	08:45	15	✓
D6	2030 DN	PM	ONE HOUR	16:15	17:45	15	✓
D7	2024 DS(A)	AM	ONE HOUR	07:15	08:45	15	✓
D8	2024 DS(A)	PM	ONE HOUR	16:15	17:45	15	✓
D9	2024 DS(A+B)	AM	ONE HOUR	07:15	08:45	15	✓
D10	2024 DS(A+B)	PM	ONE HOUR	16:15	17:45	15	✓
D11	2030 DS(A)	AM	ONE HOUR	07:15	08:45	15	✓
D12	2030 DS(A)	PM	ONE HOUR	16:15	17:45	15	✓
D13	2030 DS(A+B)	AM	ONE HOUR	07:15	08:45	15	✓
D14	2030 DS(A+B)	PM	ONE HOUR	16:15	17:45	15	✓

Analysis Set Details

ID	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	100.000	100.000

2019 Base, 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		6.77	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	1	Stream C-AB

Arms

Arms

Arm	Name	Description	Arm type
A	Owl Lane (west)		Major
B	Windsor Road		Minor
C	Owl Lane (east)		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 - Owl Lane (east)	7.29			130.0	✓	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 - Windsor Road	One lane	4.00	25	36

Slope / Intercept / Capacity

Stream Intercept Adjustments

Stream intercept adjustment	Use adjustment	Reason	Direct intercept adjustment (PCU/hr)
B-AC	✓	(PICADY 5 CT16 Import)	600

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	554	0.095	0.241	0.151	0.344
1	B-C	711	0.103	0.260	-	-
1	C-B	649	0.237	0.237	-	-

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	2019 Base	AM	ONE HOUR	07:15	08:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	717	100.000
B - Windsor Road		ONE HOUR	✓	93	100.000
C - Owl Lane (east)		ONE HOUR	✓	1201	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	7	710
	B - Windsor Road	11	0	82
	C - Owl Lane (east)	1104	97	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	7
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	2	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.11	4.20	0.1	A	85	128
C-AB	0.84	18.84	12.0	C	655	982
C-A					447	671
A-B					6	10
A-C					652	977

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	70	18	1095	0.064	70	0.0	0.1	3.512	A
C-AB	304	76	1094	0.278	300	0.0	1.0	4.537	A
C-A	600	150			600				
A-B	5	1			5				
A-C	535	134			535				

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	84	21	1048	0.080	84	0.1	0.1	3.733	A
C-AB	513	128	1201	0.427	509	1.0	1.9	5.247	A
C-A	567	142			567				
A-B	6	2			6				
A-C	638	160			638				

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	102	26	965	0.106	102	0.1	0.1	4.170	A
C-AB	1087	272	1356	0.802	1058	1.9	9.2	12.699	B
C-A	235	59			235				
A-B	8	2			8				
A-C	782	195			782				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	102	26	960	0.107	102	0.1	0.1	4.196	A
C-AB	1161	290	1376	0.843	1150	9.2	12.0	18.837	C
C-A	162	40			162				
A-B	8	2			8				
A-C	782	195			782				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	84	21	1043	0.080	84	0.1	0.1	3.754	A
C-AB	554	139	1231	0.450	593	12.0	2.2	6.105	A
C-A	525	131			525				
A-B	6	2			6				
A-C	638	160			638				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	70	18	1094	0.064	70	0.1	0.1	3.515	A
C-AB	310	78	1100	0.282	315	2.2	1.0	4.640	A
C-A	594	149			594				
A-B	5	1			5				
A-C	535	134			535				

2019 Base, 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		1.21	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	43	Stream C-AB

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	2019 Base	PM	ONE HOUR	16:15	17:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	732	100.000
B - Windsor Road		ONE HOUR	✓	299	100.000
C - Owl Lane (east)		ONE HOUR	✓	882	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	30	702
	B - Windsor Road	14	0	285
	C - Owl Lane (east)	834	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	3
	B - Windsor Road	0	0	1
	C - Owl Lane (east)	2	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.31	4.94	0.5	A	274	412
C-AB	0.25	4.27	1.0	A	184	276
C-A					625	938
A-B					28	41
A-C					644	966

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	225	56	1136	0.198	224	0.0	0.2	3.945	A
C-AB	106	26	953	0.111	105	0.0	0.2	4.246	A
C-A	558	140			558				
A-B	23	6			23				
A-C	529	132			529				

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	269	67	1104	0.243	268	0.2	0.3	4.308	A
C-AB	162	40	1026	0.158	161	0.2	0.4	4.168	A
C-A	631	158			631				
A-B	27	7			27				
A-C	631	158			631				

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	329	82	1058	0.311	329	0.3	0.4	4.935	A
C-AB	283	71	1132	0.250	281	0.4	1.0	4.247	A
C-A	688	172			688				
A-B	33	8			33				
A-C	773	193			773				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	329	82	1058	0.311	329	0.4	0.5	4.942	A
C-AB	285	71	1133	0.252	285	1.0	1.0	4.271	A
C-A	686	172			686				
A-B	33	8			33				
A-C	773	193			773				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	269	67	1104	0.244	269	0.5	0.3	4.317	A
C-AB	163	41	1028	0.159	165	1.0	0.5	4.196	A
C-A	630	157			630				
A-B	27	7			27				
A-C	631	158			631				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	225	56	1136	0.198	225	0.3	0.2	3.956	A
C-AB	107	27	954	0.112	108	0.5	0.3	4.265	A
C-A	557	139			557				
A-B	23	6			23				
A-C	529	132			529				

2024 DN, 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		31.18	D

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-3	Stream C-AB

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	2024 DN	AM	ONE HOUR	07:15	08:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	759	100.000
B - Windsor Road		ONE HOUR	✓	96	100.000
C - Owl Lane (east)		ONE HOUR	✓	1276	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
	A - Owl Lane (west)	0	7	752
	B - Windsor Road	14	0	82
	C - Owl Lane (east)	1179	97	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
	A - Owl Lane (west)	0	0	7
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	2	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.12	4.62	0.1	A	88	132
C-AB	0.99	76.00	36.6	F	810	1214
C-A					361	542
A-B					6	10
A-C					690	1035

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	72	18	1067	0.068	72	0.0	0.1	3.617	A
C-AB	339	85	1131	0.300	335	0.0	1.1	4.530	A
C-A	621	155			621				
A-B	5	1			5				
A-C	566	142			566				

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	86	22	1012	0.085	86	0.1	0.1	3.889	A
C-AB	596	149	1247	0.478	591	1.1	2.4	5.542	A
C-A	551	138			551				
A-B	6	2			6				
A-C	676	169			676				

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	106	26	909	0.116	106	0.1	0.1	4.483	A
C-AB	1381	345	1417	0.975	1290	2.4	25.2	32.606	D
C-A	24	6			24				
A-B	8	2			8				
A-C	828	207			828				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	106	26	885	0.119	106	0.1	0.1	4.617	A
C-AB	1405	351	1423	0.987	1360	25.2	36.6	75.999	F
C-A	0	0			0				
A-B	8	2			8				
A-C	828	207			828				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	86	22	993	0.087	86	0.1	0.1	3.973	A
C-AB	786	196	1344	0.585	917	36.6	3.8	12.222	B
C-A	361	90			361				
A-B	6	2			6				
A-C	676	169			676				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	72	18	1066	0.068	72	0.1	0.1	3.626	A
C-AB	350	87	1141	0.307	360	3.8	1.2	4.707	A
C-A	611	153			611				
A-B	5	1			5				
A-C	566	142			566				

2024 DN, 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		1.22	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	40	Stream C-AB

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	2024 DN	PM	ONE HOUR	16:15	17:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	726	100.000
B - Windsor Road		ONE HOUR	✓	300	100.000
C - Owl Lane (east)		ONE HOUR	✓	908	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	31	695
	B - Windsor Road	15	0	285
	C - Owl Lane (east)	860	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	3
	B - Windsor Road	0	0	1
	C - Owl Lane (east)	2	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.31	4.96	0.5	A	275	413
C-AB	0.26	4.23	1.1	A	192	289
C-A					641	961
A-B					28	43
A-C					638	957

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	56	1135	0.199	225	0.0	0.2	3.950	A
C-AB	109	27	968	0.113	108	0.0	0.3	4.188	A
C-A	574	144			574				
A-B	23	6			23				
A-C	523	131			523				

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	67	1103	0.244	269	0.2	0.3	4.316	A
C-AB	168	42	1043	0.161	167	0.3	0.5	4.114	A
C-A	648	162			648				
A-B	28	7			28				
A-C	625	156			625				

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	330	83	1057	0.313	330	0.3	0.5	4.951	A
C-AB	298	75	1154	0.258	296	0.5	1.0	4.208	A
C-A	702	175			702				
A-B	34	9			34				
A-C	765	191			765				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	330	83	1056	0.313	330	0.5	0.5	4.957	A
C-AB	300	75	1156	0.259	300	1.0	1.1	4.233	A
C-A	700	175			700				
A-B	34	9			34				
A-C	765	191			765				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	67	1103	0.244	270	0.5	0.3	4.323	A
C-AB	169	42	1046	0.162	172	1.1	0.5	4.141	A
C-A	647	162			647				
A-B	28	7			28				
A-C	625	156			625				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	56	1135	0.199	226	0.3	0.2	3.961	A
C-AB	110	28	969	0.114	111	0.5	0.3	4.207	A
C-A	573	143			573				
A-B	23	6			23				
A-C	523	131			523				

2030 DN, 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		52.94	F

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-7	Stream C-AB

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 DN	AM	ONE HOUR	07:15	08:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	816	100.000
B - Windsor Road		ONE HOUR	✓	105	100.000
C - Owl Lane (east)		ONE HOUR	✓	1334	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	8	808
	B - Windsor Road	23	0	82
	C - Owl Lane (east)	1237	97	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	7
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	2	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.15	5.53	0.2	A	96	145
C-AB	1.03	120.68	56.9	F	918	1377
C-A					306	459
A-B					7	11
A-C					741	1112

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	79	20	1015	0.078	79	0.0	0.1	3.843	A
C-AB	374	93	1157	0.323	369	0.0	1.3	4.571	A
C-A	631	158			631				
A-B	6	2			6				
A-C	608	152			608				

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	94	24	947	0.100	94	0.1	0.1	4.223	A
C-AB	681	170	1281	0.531	674	1.3	3.0	6.006	A
C-A	519	130			519				
A-B	7	2			7				
A-C	726	182			726				

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	116	29	814	0.142	115	0.1	0.2	5.149	A
C-AB	1469	367	1420	1.034	1332	3.0	37.1	48.994	E
C-A	0	0			0				
A-B	9	2			9				
A-C	890	222			890				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	116	29	766	0.151	116	0.2	0.2	5.531	A
C-AB	1469	367	1422	1.033	1389	37.1	56.9	120.676	F
C-A	0	0			0				
A-B	9	2			9				
A-C	890	222			890				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	94	24	904	0.104	95	0.2	0.1	4.448	A
C-AB	1113	278	1436	0.775	1298	56.9	10.6	62.287	F
C-A	86	22			86				
A-B	7	2			7				
A-C	726	182			726				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	79	20	1010	0.078	79	0.1	0.1	3.869	A
C-AB	403	101	1186	0.340	440	10.6	1.4	5.110	A
C-A	601	150			601				
A-B	6	2			6				
A-C	608	152			608				

2030 DN, 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		1.22	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	39	Stream C-AB

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 DN	PM	ONE HOUR	16:15	17:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	744	100.000
B - Windsor Road		ONE HOUR	✓	300	100.000
C - Owl Lane (east)		ONE HOUR	✓	913	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	30	714
	B - Windsor Road	15	0	285
	C - Owl Lane (east)	865	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	3
	B - Windsor Road	0	0	1
	C - Owl Lane (east)	2	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.31	5.00	0.5	A	275	413
C-AB	0.26	4.25	1.1	A	196	293
C-A					642	963
A-B					28	41
A-C					655	983

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	56	1131	0.200	225	0.0	0.2	3.967	A
C-AB	110	28	968	0.114	109	0.0	0.3	4.191	A
C-A	577	144			577				
A-B	23	6			23				
A-C	538	134			538				

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	67	1099	0.245	269	0.2	0.3	4.340	A
C-AB	170	43	1045	0.163	169	0.3	0.5	4.119	A
C-A	651	163			651				
A-B	27	7			27				
A-C	642	160			642				

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	330	83	1050	0.314	330	0.3	0.5	4.993	A
C-AB	304	76	1156	0.263	301	0.5	1.1	4.229	A
C-A	701	175			701				
A-B	33	8			33				
A-C	786	197			786				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	330	83	1050	0.315	330	0.5	0.5	4.999	A
C-AB	306	76	1158	0.264	306	1.1	1.1	4.253	A
C-A	699	175			699				
A-B	33	8			33				
A-C	786	197			786				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	67	1099	0.246	270	0.5	0.3	4.348	A
C-AB	172	43	1047	0.164	174	1.1	0.5	4.148	A
C-A	649	162			649				
A-B	27	7			27				
A-C	642	160			642				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	56	1131	0.200	226	0.3	0.3	3.979	A
C-AB	112	28	969	0.115	112	0.5	0.3	4.212	A
C-A	576	144			576				
A-B	23	6			23				
A-C	538	134			538				

2024 DS(A), AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		15.95	C

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-1	Stream C-AB

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	2024 DS(A)	AM	ONE HOUR	07:15	08:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	764	100.000
B - Windsor Road		ONE HOUR	✓	96	100.000
C - Owl Lane (east)		ONE HOUR	✓	1277	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	7	757
	B - Windsor Road	14	0	82
	C - Owl Lane (east)	1180	97	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.11	4.38	0.1	A	88	132
C-AB	0.95	41.13	24.1	E	751	1127
C-A					421	631
A-B					6	10
A-C					695	1042

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	72	18	1079	0.067	72	0.0	0.1	3.574	A
C-AB	323	81	1148	0.281	319	0.0	1.0	4.347	A
C-A	639	160			639				
A-B	5	1			5				
A-C	570	142			570				

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	86	22	1028	0.084	86	0.1	0.1	3.822	A
C-AB	557	139	1263	0.441	553	1.0	2.1	5.116	A
C-A	591	148			591				
A-B	6	2			6				
A-C	681	170			681				

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	106	26	937	0.113	106	0.1	0.1	4.332	A
C-AB	1246	311	1430	0.871	1200	2.1	13.5	16.901	C
C-A	160	40			160				
A-B	8	2			8				
A-C	833	208			833				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	106	26	927	0.114	106	0.1	0.1	4.381	A
C-AB	1391	348	1461	0.952	1349	13.5	24.1	41.133	E
C-A	15	4			15				
A-B	8	2			8				
A-C	833	208			833				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	86	22	1017	0.085	86	0.1	0.1	3.870	A
C-AB	659	165	1325	0.497	745	24.1	2.7	7.384	A
C-A	489	122			489				
A-B	6	2			6				
A-C	681	170			681				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	72	18	1078	0.067	72	0.1	0.1	3.581	A
C-AB	330	83	1155	0.286	337	2.7	1.1	4.464	A
C-A	631	158			631				
A-B	5	1			5				
A-C	570	142			570				

2024 DS(A), PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.18	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	43	Stream C-AB

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	2024 DS(A)	PM	ONE HOUR	16:15	17:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	728	100.000
B - Windsor Road		ONE HOUR	✓	300	100.000
C - Owl Lane (east)		ONE HOUR	✓	912	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	31	697
	B - Windsor Road	15	0	285
	C - Owl Lane (east)	864	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.31	4.86	0.4	A	276	413
C-AB	0.25	4.13	1.0	A	187	280
C-A					650	975
A-B					28	43
A-C					640	959

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	57	1149	0.197	225	0.0	0.2	3.891	A
C-AB	107	27	982	0.109	106	0.0	0.2	4.111	A
C-A	580	145			580				
A-B	23	6			23				
A-C	525	131			525				

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	68	1118	0.242	270	0.2	0.3	4.243	A
C-AB	163	41	1058	0.155	163	0.2	0.4	4.028	A
C-A	656	164			656				
A-B	28	7			28				
A-C	627	157			627				

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	331	83	1072	0.309	330	0.3	0.4	4.851	A
C-AB	288	72	1169	0.246	285	0.4	1.0	4.089	A
C-A	717	179			717				
A-B	34	9			34				
A-C	767	192			767				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	331	83	1072	0.309	331	0.4	0.4	4.857	A
C-AB	289	72	1170	0.247	289	1.0	1.0	4.110	A
C-A	715	179			715				
A-B	34	9			34				
A-C	767	192			767				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	68	1118	0.242	271	0.4	0.3	4.251	A
C-AB	165	41	1060	0.156	167	1.0	0.5	4.053	A
C-A	655	164			655				
A-B	28	7			28				
A-C	627	157			627				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	57	1149	0.197	226	0.3	0.2	3.902	A
C-AB	108	27	983	0.110	109	0.5	0.2	4.126	A
C-A	579	145			579				
A-B	23	6			23				
A-C	525	131			525				

2024 DS(A+B), AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		23.19	C

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-2	Stream C-AB

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
D9	2024 DS(A+B)	AM	ONE HOUR	07:15	08:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	767	100.000
B - Windsor Road		ONE HOUR	✓	96	100.000
C - Owl Lane (east)		ONE HOUR	✓	1303	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	7	760
	B - Windsor Road	14	0	82
	C - Owl Lane (east)	1206	97	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.12	4.45	0.1	A	88	132
C-AB	0.98	57.45	30.8	F	796	1193
C-A					400	600
A-B					6	10
A-C					697	1046

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	72	18	1077	0.067	72	0.0	0.1	3.582	A
C-AB	334	84	1162	0.288	330	0.0	1.0	4.334	A
C-A	647	162			647				
A-B	5	1			5				
A-C	572	143			572				

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	86	22	1025	0.084	86	0.1	0.1	3.835	A
C-AB	584	146	1280	0.457	579	1.0	2.2	5.189	A
C-A	587	147			587				
A-B	6	2			6				
A-C	683	171			683				

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	106	26	930	0.114	106	0.1	0.1	4.367	A
C-AB	1346	337	1451	0.928	1280	2.2	18.9	23.314	C
C-A	88	22			88				
A-B	8	2			8				
A-C	837	209			837				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	106	26	915	0.115	106	0.1	0.1	4.446	A
C-AB	1435	359	1470	0.976	1387	18.9	30.8	57.449	F
C-A	0	0			0				
A-B	8	2			8				
A-C	837	209			837				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	86	22	1010	0.085	86	0.1	0.1	3.898	A
C-AB	731	183	1361	0.537	841	30.8	3.1	8.947	A
C-A	441	110			441				
A-B	6	2			6				
A-C	683	171			683				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	72	18	1076	0.067	72	0.1	0.1	3.586	A
C-AB	343	86	1170	0.293	351	3.1	1.1	4.472	A
C-A	638	159			638				
A-B	5	1			5				
A-C	572	143			572				

2024 DS(A+B), PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.18	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	42	Stream C-AB

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
D10	2024 DS(A+B)	PM	ONE HOUR	16:15	17:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	750	100.000
B - Windsor Road		ONE HOUR	✓	300	100.000
C - Owl Lane (east)		ONE HOUR	✓	914	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	31	719
	B - Windsor Road	15	0	285
	C - Owl Lane (east)	866	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.31	4.90	0.4	A	276	413
C-AB	0.25	4.14	1.0	A	189	283
C-A					650	975
A-B					28	43
A-C					660	990

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	57	1145	0.198	225	0.0	0.2	3.910	A
C-AB	108	27	981	0.110	107	0.0	0.2	4.121	A
C-A	580	145			580				
A-B	23	6			23				
A-C	541	135			541				

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	68	1113	0.243	270	0.2	0.3	4.271	A
C-AB	165	41	1057	0.156	164	0.2	0.4	4.040	A
C-A	657	164			657				
A-B	28	7			28				
A-C	646	162			646				

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	331	83	1065	0.311	330	0.3	0.4	4.896	A
C-AB	292	73	1168	0.250	289	0.4	1.0	4.115	A
C-A	715	179			715				
A-B	34	9			34				
A-C	792	198			792				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	331	83	1065	0.311	331	0.4	0.4	4.902	A
C-AB	293	73	1169	0.251	293	1.0	1.0	4.136	A
C-A	713	178			713				
A-B	34	9			34				
A-C	792	198			792				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	68	1112	0.243	271	0.4	0.3	4.278	A
C-AB	167	42	1059	0.157	169	1.0	0.5	4.066	A
C-A	655	164			655				
A-B	28	7			28				
A-C	646	162			646				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	57	1145	0.198	226	0.3	0.2	3.921	A
C-AB	109	27	982	0.111	110	0.5	0.3	4.137	A
C-A	579	145			579				
A-B	23	6			23				
A-C	541	135			541				

2030 DS(A), AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		39.29	E

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-5	Stream C-AB

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
D11	2030 DS(A)	AM	ONE HOUR	07:15	08:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	823	100.000
B - Windsor Road		ONE HOUR	✓	105	100.000
C - Owl Lane (east)		ONE HOUR	✓	1337	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	7	816
	B - Windsor Road	23	0	82
	C - Owl Lane (east)	1240	97	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.14	5.15	0.2	A	96	145
C-AB	1.01	93.47	45.2	F	868	1303
C-A					358	538
A-B					6	10
A-C					749	1123

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	79	20	1028	0.077	79	0.0	0.1	3.790	A
C-AB	355	89	1175	0.302	351	0.0	1.1	4.371	A
C-A	651	163			651				
A-B	5	1			5				
A-C	614	154			614				

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	94	24	965	0.098	94	0.1	0.1	4.134	A
C-AB	635	159	1298	0.489	629	1.1	2.6	5.443	A
C-A	567	142			567				
A-B	6	2			6				
A-C	734	183			734				

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	116	29	848	0.136	115	0.1	0.2	4.911	A
C-AB	1472	368	1464	1.006	1357	2.6	31.3	39.402	E
C-A	0	0			0				
A-B	8	2			8				
A-C	898	225			898				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	116	29	815	0.142	116	0.2	0.2	5.146	A
C-AB	1472	368	1465	1.005	1417	31.3	45.2	93.467	F
C-A	0	0			0				
A-B	8	2			8				
A-C	898	225			898				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	94	24	935	0.101	95	0.2	0.1	4.282	A
C-AB	908	227	1419	0.640	1069	45.2	4.9	18.155	C
C-A	294	73			294				
A-B	6	2			6				
A-C	734	183			734				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	79	20	1026	0.077	79	0.1	0.1	3.804	A
C-AB	368	92	1188	0.310	383	4.9	1.2	4.588	A
C-A	638	160			638				
A-B	5	1			5				
A-C	614	154			614				

2030 DS(A), PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.18	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	41	Stream C-AB

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
D12	2030 DS(A)	PM	ONE HOUR	16:15	17:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	748	100.000
B - Windsor Road		ONE HOUR	✓	300	100.000
C - Owl Lane (east)		ONE HOUR	✓	918	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	30	718
	B - Windsor Road	15	0	285
	C - Owl Lane (east)	870	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.31	4.89	0.4	A	275	413
C-AB	0.25	4.13	1.0	A	190	285
C-A					652	978
A-B					28	41
A-C					659	988

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	56	1146	0.197	225	0.0	0.2	3.906	A
C-AB	108	27	983	0.110	107	0.0	0.2	4.112	A
C-A	583	146			583				
A-B	23	6			23				
A-C	541	135			541				

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	67	1113	0.242	269	0.2	0.3	4.264	A
C-AB	166	42	1059	0.157	165	0.2	0.4	4.031	A
C-A	659	165			659				
A-B	27	7			27				
A-C	645	161			645				

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	330	83	1066	0.310	330	0.3	0.4	4.886	A
C-AB	294	73	1171	0.251	291	0.4	1.0	4.108	A
C-A	717	179			717				
A-B	33	8			33				
A-C	791	198			791				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	330	83	1066	0.310	330	0.4	0.4	4.892	A
C-AB	296	74	1173	0.252	296	1.0	1.0	4.131	A
C-A	715	179			715				
A-B	33	8			33				
A-C	791	198			791				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	270	67	1113	0.242	270	0.4	0.3	4.272	A
C-AB	168	42	1061	0.158	170	1.0	0.5	4.057	A
C-A	658	164			658				
A-B	27	7			27				
A-C	645	161			645				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	226	56	1146	0.197	226	0.3	0.2	3.918	A
C-AB	109	27	984	0.111	110	0.5	0.3	4.128	A
C-A	582	145			582				
A-B	23	6			23				
A-C	541	135			541				

2030 DS(A+B), AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		351.29	F

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-24	Stream C-AB

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
D13	2030 DS(A+B)	AM	ONE HOUR	07:15	08:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	991	100.000
B - Windsor Road		ONE HOUR	✓	177	100.000
C - Owl Lane (east)		ONE HOUR	✓	1694	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	7	984
	B - Windsor Road	23	0	154
	C - Owl Lane (east)	1576	118	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.32	8.89	0.5	A	162	244
C-AB	1.30	628.37	264.3	F	1466	2199
C-A					89	133
A-B					6	10
A-C					903	1354

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	133	33	1005	0.133	133	0.0	0.2	4.123	A
C-AB	744	186	1347	0.552	731	0.0	3.3	5.863	A
C-A	531	133			531				
A-B	5	1			5				
A-C	741	185			741				

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	159	40	903	0.176	159	0.2	0.2	4.838	A
C-AB	1523	381	1478	1.031	1388	3.3	37.0	47.470	E
C-A	0	0			0				
A-B	6	2			6				
A-C	885	221			885				

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	195	49	600	0.325	194	0.2	0.5	8.840	A
C-AB	1865	466	1438	1.297	1431	37.0	145.6	233.679	F
C-A	0	0			0				
A-B	8	2			8				
A-C	1083	271			1083				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	195	49	600	0.325	195	0.5	0.5	8.885	A
C-AB	1865	466	1438	1.297	1437	145.6	252.6	497.939	F
C-A	0	0			0				
A-B	8	2			8				
A-C	1083	271			1083				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	159	40	600	0.265	160	0.5	0.4	8.182	A
C-AB	1523	381	1479	1.029	1476	252.6	264.3	628.371	F
C-A	0	0			0				
A-B	6	2			6				
A-C	885	221			885				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	133	33	600	0.222	134	0.4	0.3	7.723	A
C-AB	1275	319	1505	0.847	1491	264.3	210.3	567.661	F
C-A	0	0			0				
A-B	5	1			5				
A-C	741	185			741				

2030 DS(A+B), PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		57.66	F

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-9	Stream C-AB

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
D14	2030 DS(A+B)	PM	ONE HOUR	16:15	17:45	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 (Veh/hr)	Scaling Factor (%)
A - Owl Lane (west)		ONE HOUR	✓	1149	100.000
B - Windsor Road		ONE HOUR	✓	335	100.000
C - Owl Lane (east)		ONE HOUR	✓	1313	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	30	1119
	B - Windsor Road	15	0	320
	C - Owl Lane (east)	1212	101	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (west)	B - Windsor Road	C - Owl Lane (east)
From	A - Owl Lane (west)	0	0	0
	B - Windsor Road	0	0	0
	C - Owl Lane (east)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.61	15.25	1.5	C	307	461
C-AB	1.06	152.34	70.2	F	941	1411
C-A					264	396
A-B					28	41
A-C					1027	1540

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	252	63	1056	0.239	251	0.0	0.3	4.465	A
C-AB	393	98	1131	0.347	387	0.0	1.4	4.849	A
C-A	595	149			595				
A-B	23	6			23				
A-C	842	211			842				

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	301	75	994	0.303	301	0.3	0.4	5.189	A
C-AB	723	181	1253	0.577	714	1.4	3.8	6.804	A
C-A	457	114			457				
A-B	27	7			27				
A-C	1006	251			1006				

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	369	92	755	0.488	367	0.4	0.9	9.224	A
C-AB	1446	361	1362	1.062	1286	3.8	43.8	60.241	F
C-A	0	0			0				
A-B	33	8			33				
A-C	1232	308			1232				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	369	92	600	0.615	366	0.9	1.5	15.254	C
C-AB	1446	361	1364	1.060	1340	43.8	70.2	152.336	F
C-A	0	0			0				
A-B	33	8			33				
A-C	1232	308			1232				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	301	75	956	0.315	305	1.5	0.5	5.572	A
C-AB	1180	295	1422	0.830	1373	70.2	22.2	114.088	F
C-A	0	0			0				
A-B	27	7			27				
A-C	1006	251			1006				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	252	63	1052	0.240	253	0.5	0.3	4.508	A
C-AB	457	114	1193	0.383	538	22.2	1.7	6.340	A
C-A	532	133			532				
A-B	23	6			23				
A-C	842	211			842				