

Appendix U – Junction 13: Owl Lane / Amberwood Chase (Combined)

Junction 13: 2019 Base

Junctions 9									
PICADY 9 - Priority Intersection Module									
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Filename: Junc 13 Owl Lane - Amberwood Chase -RevA - 2019Base.j9

Path: \\LON-FILE-01\Engineering\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\2019\Off-Site\Junctions9

Report generation date: 05/04/2020 10:13:16

»2019 Base, AM

»2019 Base, PM

Summary of junction performance

	AM					PM				
	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
2019 Base										
Stream B-AC	0.8	30.16	0.44	D	2 %	0.2	14.36	0.16	B	23 %
Stream C-AB	0.2	4.22	0.10	A	[Stream B-AC]	0.9	3.87	0.23	A	[Stream B-AC]

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.

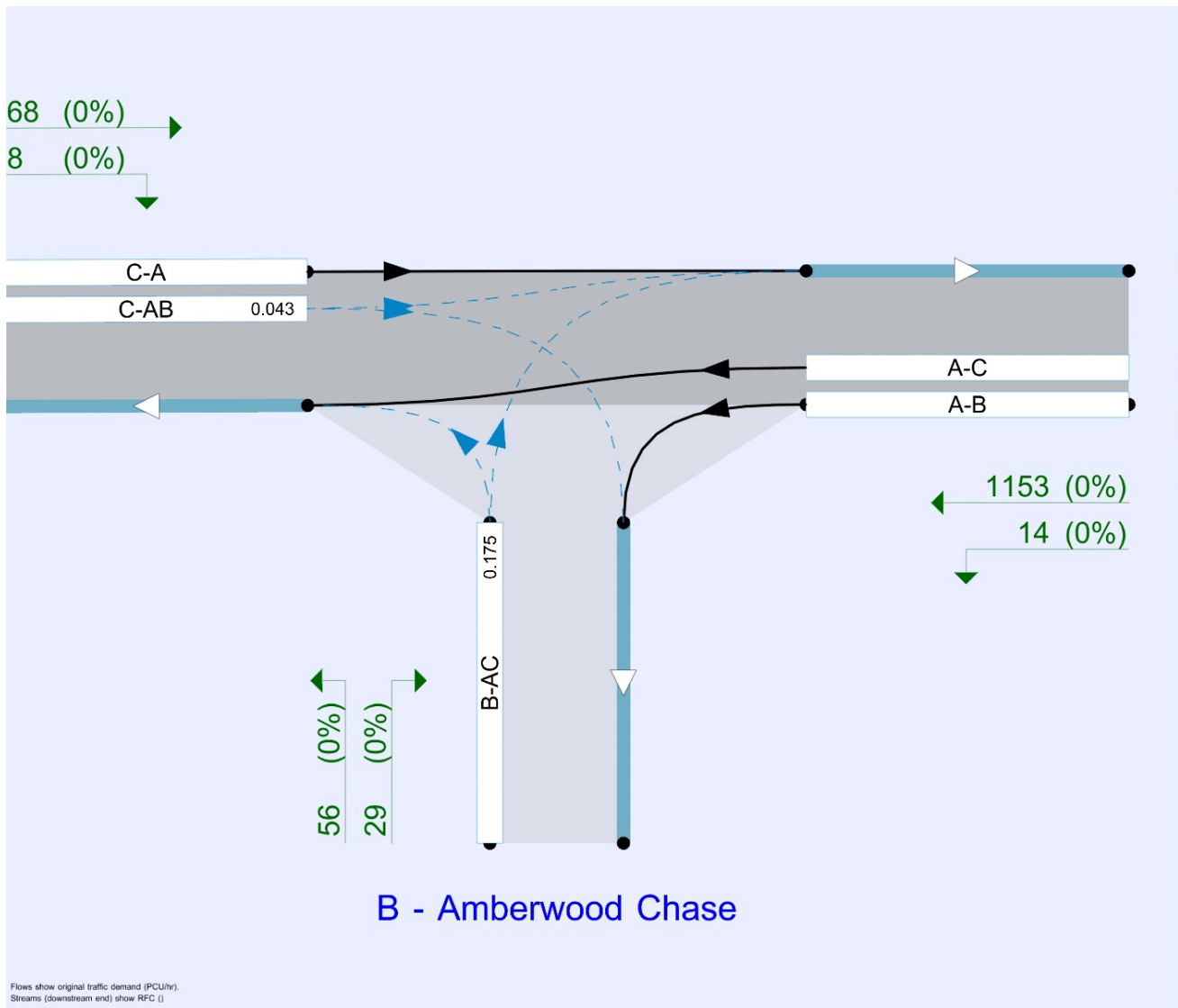
File summary

File Description

Title	(untitled)
Location	
Site number	
Date	18/02/2019
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	PFGROUP\csmith
Description	

Units

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



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	✓

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

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		1.41	A

Junction Network Options

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

Arms

Arms

Arm	Name	Description	Arm type
A	Owl Lane (East)		Major
B	Amberwood Chase		Minor
C	Owl Lane (West)		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 (West)	7.50			180.0	✓	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 - Amberwood Chase	One lane	3.00	90	100

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	557	0.095	0.240	0.151	0.343
1	B-C	687	0.098	0.249	-	-
1	C-B	678	0.246	0.246	-	-

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1167	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	786	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1153
	B - Amberwood Chase	29	0	56
	C - Owl Lane (West)	768	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.44	30.16	0.8	D	78	117
C-AB	0.10	4.22	0.2	A	69	103
C-A					653	979
A-B					13	19
A-C					1058	1587

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	366	0.175	63	0.0	0.2	11.863	B
C-AB	39	10	892	0.043	38	0.0	0.1	4.215	A
C-A	553	138			553				
A-B	11	3			11				
A-C	868	217			868				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	306	0.250	76	0.2	0.3	15.597	C
C-AB	60	15	950	0.063	59	0.1	0.1	4.043	A
C-A	647	162			647				
A-B	13	3			13				
A-C	1037	259			1037				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	213	0.440	92	0.3	0.7	29.398	D
C-AB	108	27	1038	0.104	107	0.1	0.2	3.868	A
C-A	758	189			758				
A-B	15	4			15				
A-C	1269	317			1269				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	213	0.440	94	0.7	0.8	30.156	D
C-AB	108	27	1038	0.104	108	0.2	0.2	3.871	A
C-A	758	189			758				
A-B	15	4			15				
A-C	1269	317			1269				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	306	0.250	78	0.8	0.3	15.898	C
C-AB	60	15	950	0.063	60	0.2	0.1	4.048	A
C-A	647	162			647				
A-B	13	3			13				
A-C	1037	259			1037				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	366	0.175	64	0.3	0.2	11.967	B
C-AB	39	10	892	0.043	39	0.1	0.1	4.221	A
C-A	553	138			553				
A-B	11	3			11				
A-C	868	217			868				

2019 Base, 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		0.73	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	23	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	880	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	989	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	851
	B - Amberwood Chase	12	0	33
	C - Owl Lane (West)	951	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	14.36	0.2	B	41	62
C-AB	0.23	3.87	0.9	A	176	264
C-A					731	1097
A-B					27	40
A-C					781	1171

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	428	0.079	34	0.0	0.1	9.116	A
C-AB	95	24	1026	0.092	94	0.0	0.2	3.860	A
C-A	650	162			650				
A-B	22	5			22				
A-C	641	160			641				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	379	0.107	40	0.1	0.1	10.634	B
C-AB	150	37	1109	0.135	149	0.2	0.3	3.755	A
C-A	739	185			739				
A-B	26	7			26				
A-C	765	191			765				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	301	0.165	49	0.1	0.2	14.301	B
C-AB	282	70	1232	0.229	280	0.3	0.9	3.789	A
C-A	807	202			807				
A-B	32	8			32				
A-C	937	234			937				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	300	0.165	50	0.2	0.2	14.355	B
C-AB	284	71	1233	0.230	284	0.9	0.9	3.810	A
C-A	805	201			805				
A-B	32	8			32				
A-C	937	234			937				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	378	0.107	41	0.2	0.1	10.675	B
C-AB	151	38	1111	0.136	153	0.9	0.4	3.772	A
C-A	738	184			738				
A-B	26	7			26				
A-C	765	191			765				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	428	0.079	34	0.1	0.1	9.140	A
C-AB	95	24	1027	0.093	96	0.4	0.2	3.873	A
C-A	649	162			649				
A-B	22	5			22				
A-C	641	160			641				

Junction 13: 2024 and 2030

Junctions 9	
PICADY 9 - Priority Intersection Module	
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Filename: Junc 13 Owl Lane - Amberwood Chase -RevB - Feb 2020.j9

Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\2019\Off-Site\Junctions9

Report generation date: 02/03/2020 14:25:21

»2030 DS(A+B), PM
 »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 (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
2024 DN										
Stream B-AC	2.1	175.08	0.75	F	-7 %	0.2	14.80	0.17	B	22 %
Stream C-AB	0.1	11.32	0.12	B	[Stream B-AC]	0.1	8.87	0.09	A	[Stream B-AC]
2030 DN										
Stream B-AC	2.1	87.30	0.71	F	-8 %	0.2	15.17	0.17	C	20 %
Stream C-AB	0.1	11.40	0.06	B	[Stream B-AC]	0.1	8.90	0.09	A	[Stream B-AC]
2024 DS(A)										
Stream B-AC	1.1	45.30	0.54	E	-3 %	0.2	14.88	0.17	B	21 %
Stream C-AB	0.1	10.82	0.06	B	[Stream B-AC]	0.1	8.88	0.09	A	[Stream B-AC]
2024 DS(A+B)										
Stream B-AC	1.3	52.64	0.58	F	-5 %	0.2	15.17	0.17	C	20 %
Stream C-AB	0.1	11.06	0.06	B	[Stream B-AC]	0.1	8.90	0.09	A	[Stream B-AC]
2030 DS(A)										
Stream B-AC	2.2	93.42	0.72	F	-8 %	0.2	15.33	0.17	C	20 %
Stream C-AB	0.1	11.42	0.06	B	[Stream B-AC]	0.1	8.93	0.09	A	[Stream B-AC]
2030 DS(A+B)										
Stream B-AC	47.5	1608.12	999999999.00	F	-18 %	2.1	175.08	0.75	F	-7 %
Stream C-AB	0.1	12.50	0.06	B	[Stream B-AC]	0.1	11.32	0.12	B	[Stream B-AC]

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.

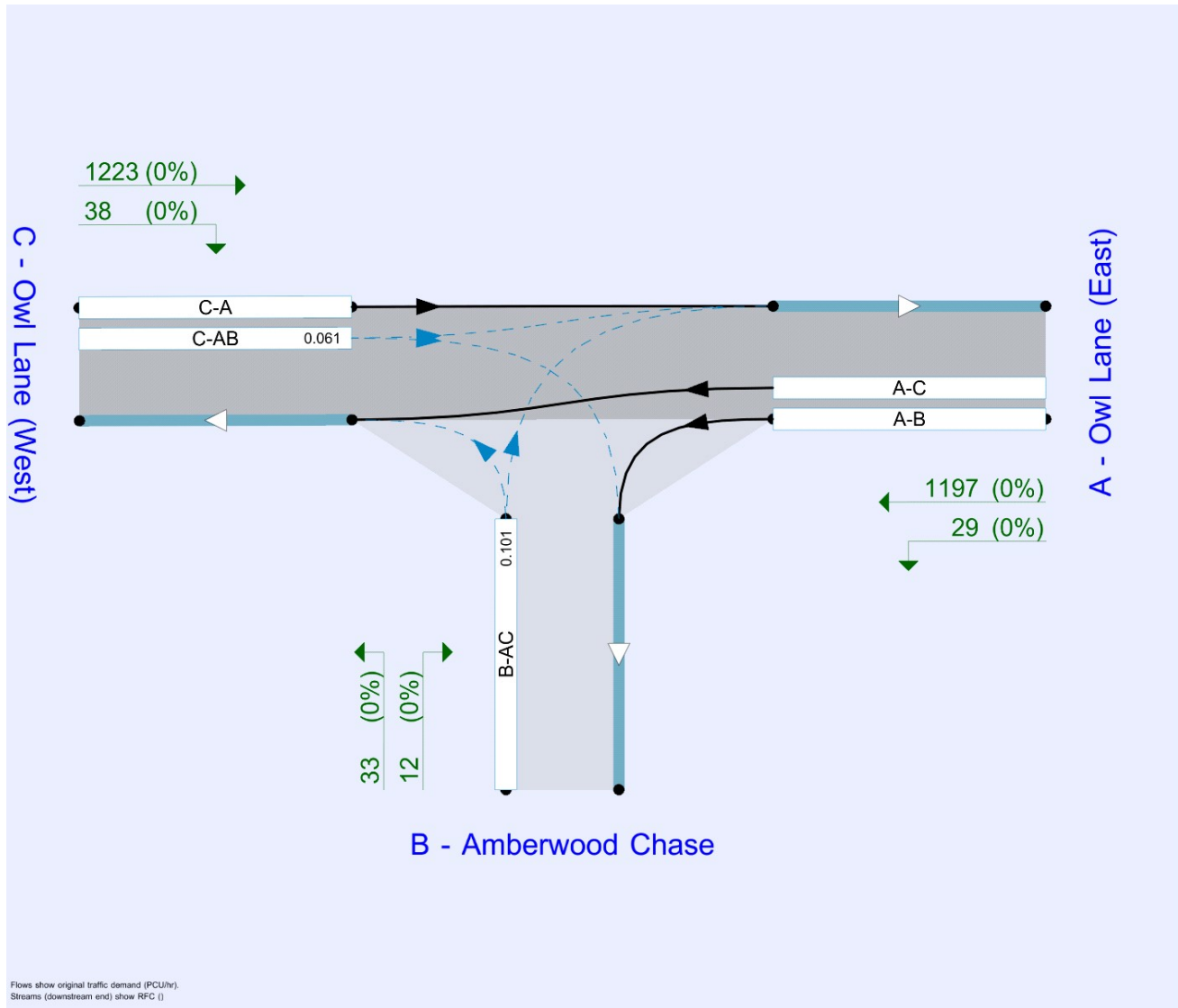
File summary

File Description

Title	(untitled)
Location	
Site number	
Date	18/02/2019
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	PFGROUP\csmith
Description	

Units

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



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
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

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		3.28	A

Junction Network Options

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

Arms

Arms

Arm	Name	Description	Arm type
A	Owl Lane (East)		Major
B	Amberwood Chase		Minor
C	Owl Lane (West)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - Owl Lane (West)	7.50		✓	2.50	180.0	✓	3.00

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 - Amberwood Chase	One lane	3.00	90	100

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	557	0.095	0.240	0.151	0.343
1	B-C	687	0.098	0.249	-	-
1	C-B	700	0.254	0.254	-	-

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
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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1245	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	835	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1231
	B - Amberwood Chase	29	0	56
	C - Owl Lane (West)	817	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.75	175.08	2.1	F	41	62
C-AB	0.12	11.32	0.1	B	35	52
C-A					1122	1683
A-B					27	40
A-C					1098	1648

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	334	0.101	33	0.0	0.1	11.956	B
C-AB	29	7	466	0.061	28	0.0	0.1	8.214	A
C-A	921	230			921				
A-B	22	5			22				
A-C	901	225			901				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	250	0.162	40	0.1	0.2	17.126	C
C-AB	34	9	421	0.081	34	0.1	0.1	9.294	A
C-A	1099	275			1099				
A-B	26	7			26				
A-C	1076	269			1076				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	67	0.744	43	0.2	1.8	132.515	F
C-AB	42	11	360	0.117	42	0.1	0.1	11.308	B
C-A	1346	337			1346				
A-B	32	8			32				
A-C	1318	329			1318				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	66	0.746	48	1.8	2.1	175.077	F
C-AB	42	11	360	0.117	42	0.1	0.1	11.319	B
C-A	1346	337			1346				
A-B	32	8			32				
A-C	1318	329			1318				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	250	0.162	48	2.1	0.2	18.498	C
C-AB	34	9	421	0.081	34	0.1	0.1	9.305	A
C-A	1099	275			1099				
A-B	26	7			26				
A-C	1076	269			1076				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	334	0.101	34	0.2	0.1	12.020	B
C-AB	29	7	466	0.061	29	0.1	0.1	8.225	A
C-A	921	230			921				
A-B	22	5			22				
A-C	901	225			901				

2024 DN, 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		0.52	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	22	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	907	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	980	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	29	878
	B - Amberwood Chase	12	0	33
	C - Owl Lane (West)	942	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.17	14.80	0.2	B	41	62
C-AB	0.09	8.87	0.1	A	35	52
C-A					864	1297
A-B					27	40
A-C					806	1209

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	423	0.080	34	0.0	0.1	9.228	A
C-AB	29	7	527	0.054	28	0.0	0.1	7.212	A
C-A	709	177			709				
A-B	22	5			22				
A-C	661	165			661				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	373	0.109	40	0.1	0.1	10.825	B
C-AB	34	9	494	0.069	34	0.1	0.1	7.830	A
C-A	847	212			847				
A-B	26	7			26				
A-C	789	197			789				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	293	0.169	49	0.1	0.2	14.756	B
C-AB	42	10	448	0.094	42	0.1	0.1	8.863	A
C-A	1037	259			1037				
A-B	32	8			32				
A-C	967	242			967				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	293	0.169	50	0.2	0.2	14.796	B
C-AB	42	10	448	0.094	42	0.1	0.1	8.866	A
C-A	1037	259			1037				
A-B	32	8			32				
A-C	967	242			967				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	373	0.109	41	0.2	0.1	10.857	B
C-AB	34	9	494	0.069	34	0.1	0.1	7.837	A
C-A	847	212			847				
A-B	26	7			26				
A-C	789	197			789				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	423	0.080	34	0.1	0.1	9.251	A
C-AB	29	7	527	0.054	29	0.1	0.1	7.220	A
C-A	709	177			709				
A-B	22	5			22				
A-C	661	165			661				

2030 DN, 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		3.33	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-8	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1307	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	899	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	14	1293
	B - Amberwood Chase	29	0	56
	C - Owl Lane (West)	881	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.71	87.30	2.1	F	78	117
C-AB	0.06	11.40	0.1	B	17	25
C-A					808	1213
A-B					13	19
A-C					1186	1780

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	328	0.195	63	0.0	0.2	13.536	B
C-AB	14	3	451	0.030	13	0.0	0.0	8.230	A
C-A	663	166			663				
A-B	11	3			11				
A-C	973	243			973				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	256	0.298	76	0.2	0.4	19.863	C
C-AB	16	4	402	0.040	16	0.0	0.0	9.319	A
C-A	792	198			792				
A-B	13	3			13				
A-C	1162	291			1162				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	132	0.708	88	0.4	1.9	73.519	F
C-AB	20	5	336	0.059	20	0.0	0.1	11.397	B
C-A	970	242			970				
A-B	15	4			15				
A-C	1424	356			1424				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	132	0.708	93	1.9	2.1	87.297	F
C-AB	20	5	336	0.059	20	0.1	0.1	11.402	B
C-A	970	242			970				
A-B	15	4			15				
A-C	1424	356			1424				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	256	0.298	83	2.1	0.4	21.517	C
C-AB	16	4	402	0.040	16	0.1	0.0	9.325	A
C-A	792	198			792				
A-B	13	3			13				
A-C	1162	291			1162				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	328	0.195	65	0.4	0.2	13.717	B
C-AB	14	3	451	0.030	14	0.0	0.0	8.236	A
C-A	663	166			663				
A-B	11	3			11				
A-C	973	243			973				

2030 DN, 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		0.52	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	20	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	912	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1005	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	883
	B - Amberwood Chase	12	0	33
	C - Owl Lane (West)	967	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.17	15.17	0.2	C	41	62
C-AB	0.09	8.90	0.1	A	35	52
C-A					887	1331
A-B					27	40
A-C					810	1215

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	421	0.081	34	0.0	0.1	9.292	A
C-AB	29	7	526	0.054	28	0.0	0.1	7.226	A
C-A	728	182			728				
A-B	22	5			22				
A-C	665	166			665				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	369	0.110	40	0.1	0.1	10.948	B
C-AB	34	9	493	0.069	34	0.1	0.1	7.849	A
C-A	869	217			869				
A-B	26	7			26				
A-C	794	198			794				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	287	0.173	49	0.1	0.2	15.124	C
C-AB	42	10	447	0.094	42	0.1	0.1	8.893	A
C-A	1065	266			1065				
A-B	32	8			32				
A-C	972	243			972				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	287	0.173	50	0.2	0.2	15.168	C
C-AB	42	10	447	0.094	42	0.1	0.1	8.896	A
C-A	1065	266			1065				
A-B	32	8			32				
A-C	972	243			972				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	369	0.110	41	0.2	0.1	10.980	B
C-AB	34	9	493	0.069	34	0.1	0.1	7.856	A
C-A	869	217			869				
A-B	26	7			26				
A-C	794	198			794				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	421	0.081	34	0.1	0.1	9.319	A
C-AB	29	7	526	0.054	29	0.1	0.1	7.234	A
C-A	728	182			728				
A-B	22	5			22				
A-C	665	166			665				

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		1.86	A

Junction Network Options

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

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1246	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	839	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1232
	B - Amberwood Chase	29	0	56
	C - Owl Lane (West)	821	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.54	45.30	1.1	E	78	117
C-AB	0.06	10.82	0.1	B	17	25
C-A					753	1130
A-B					13	19
A-C					1131	1696

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	346	0.185	63	0.0	0.2	12.705	B
C-AB	14	3	462	0.029	13	0.0	0.0	8.016	A
C-A	618	155			618				
A-B	11	3			11				
A-C	928	232			928				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	280	0.273	76	0.2	0.4	17.589	C
C-AB	16	4	416	0.039	16	0.0	0.0	8.995	A
C-A	738	185			738				
A-B	13	3			13				
A-C	1108	277			1108				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	172	0.543	91	0.4	1.1	42.748	E
C-AB	20	5	353	0.056	20	0.0	0.1	10.815	B
C-A	904	226			904				
A-B	15	4			15				
A-C	1356	339			1356				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	172	0.543	93	1.1	1.1	45.300	E
C-AB	20	5	353	0.056	20	0.1	0.1	10.819	B
C-A	904	226			904				
A-B	15	4			15				
A-C	1356	339			1356				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	280	0.273	79	1.1	0.4	18.203	C
C-AB	16	4	416	0.039	16	0.1	0.0	9.000	A
C-A	738	185			738				
A-B	13	3			13				
A-C	1108	277			1108				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	346	0.185	65	0.4	0.2	12.843	B
C-AB	14	3	462	0.029	14	0.0	0.0	8.022	A
C-A	618	155			618				
A-B	11	3			11				
A-C	928	232			928				

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		0.52	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	21	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	910	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	982	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	29	881
	B - Amberwood Chase	12	0	33
	C - Owl Lane (West)	944	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.17	14.88	0.2	B	41	62
C-AB	0.09	8.88	0.1	A	35	52
C-A					866	1299
A-B					27	40
A-C					808	1213

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	423	0.080	34	0.0	0.1	9.246	A
C-AB	29	7	527	0.054	28	0.0	0.1	7.221	A
C-A	711	178			711				
A-B	22	5			22				
A-C	663	166			663				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	372	0.109	40	0.1	0.1	10.856	B
C-AB	34	9	493	0.069	34	0.1	0.1	7.842	A
C-A	849	212			849				
A-B	26	7			26				
A-C	792	198			792				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	291	0.170	49	0.1	0.2	14.840	B
C-AB	42	10	447	0.094	42	0.1	0.1	8.881	A
C-A	1039	260			1039				
A-B	32	8			32				
A-C	970	242			970				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	291	0.170	50	0.2	0.2	14.880	B
C-AB	42	10	447	0.094	42	0.1	0.1	8.885	A
C-A	1039	260			1039				
A-B	32	8			32				
A-C	970	242			970				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	372	0.109	41	0.2	0.1	10.887	B
C-AB	34	9	493	0.069	34	0.1	0.1	7.849	A
C-A	849	212			849				
A-B	26	7			26				
A-C	792	198			792				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	423	0.080	34	0.1	0.1	9.269	A
C-AB	29	7	527	0.054	29	0.1	0.1	7.228	A
C-A	711	178			711				
A-B	22	5			22				
A-C	663	166			663				

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		2.12	A

Junction Network Options

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

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1272	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	843	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1258
	B - Amberwood Chase	29	0	56
	C - Owl Lane (West)	825	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.58	52.64	1.3	F	78	117
C-AB	0.06	11.06	0.1	B	17	25
C-A					757	1136
A-B					13	19
A-C					1154	1732

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	340	0.188	63	0.0	0.2	12.959	B
C-AB	14	3	457	0.030	13	0.0	0.0	8.106	A
C-A	621	155			621				
A-B	11	3			11				
A-C	947	237			947				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	273	0.280	76	0.2	0.4	18.231	C
C-AB	16	4	410	0.039	16	0.0	0.0	9.131	A
C-A	742	185			742				
A-B	13	3			13				
A-C	1131	283			1131				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	161	0.581	90	0.4	1.2	48.748	E
C-AB	20	5	345	0.057	20	0.0	0.1	11.056	B
C-A	908	227			908				
A-B	15	4			15				
A-C	1385	346			1385				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	161	0.581	93	1.2	1.3	52.637	F
C-AB	20	5	345	0.057	20	0.1	0.1	11.060	B
C-A	908	227			908				
A-B	15	4			15				
A-C	1385	346			1385				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	273	0.280	80	1.3	0.4	19.014	C
C-AB	16	4	410	0.039	16	0.1	0.0	9.136	A
C-A	742	185			742				
A-B	13	3			13				
A-C	1131	283			1131				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	340	0.188	65	0.4	0.2	13.110	B
C-AB	14	3	457	0.030	14	0.0	0.0	8.110	A
C-A	621	155			621				
A-B	11	3			11				
A-C	947	237			947				

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		0.52	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	20	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	913	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1003	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	884
	B - Amberwood Chase	12	0	33
	C - Owl Lane (West)	965	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.17	15.17	0.2	C	41	62
C-AB	0.09	8.90	0.1	A	35	52
C-A					885	1328
A-B					27	40
A-C					811	1217

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	421	0.081	34	0.0	0.1	9.294	A
C-AB	29	7	526	0.054	28	0.0	0.1	7.229	A
C-A	726	182			726				
A-B	22	5			22				
A-C	666	166			666				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	369	0.110	40	0.1	0.1	10.950	B
C-AB	34	9	492	0.069	34	0.1	0.1	7.853	A
C-A	867	217			867				
A-B	26	7			26				
A-C	795	199			795				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	287	0.173	49	0.1	0.2	15.125	C
C-AB	42	10	446	0.094	42	0.1	0.1	8.899	A
C-A	1062	266			1062				
A-B	32	8			32				
A-C	973	243			973				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	287	0.173	50	0.2	0.2	15.169	C
C-AB	42	10	446	0.094	42	0.1	0.1	8.903	A
C-A	1062	266			1062				
A-B	32	8			32				
A-C	973	243			973				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	369	0.110	41	0.2	0.1	10.982	B
C-AB	34	9	492	0.069	34	0.1	0.1	7.860	A
C-A	867	217			867				
A-B	26	7			26				
A-C	795	199			795				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	420	0.081	34	0.1	0.1	9.318	A
C-AB	29	7	526	0.054	29	0.1	0.1	7.237	A
C-A	726	182			726				
A-B	22	5			22				
A-C	666	166			666				

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		3.54	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-8	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1309	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	907	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	14	1295
	B - Amberwood Chase	29	0	56
	C - Owl Lane (West)	889	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.72	93.42	2.2	F	78	117
C-AB	0.06	11.42	0.1	B	17	25
C-A					816	1224
A-B					13	19
A-C					1188	1782

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	327	0.196	63	0.0	0.2	13.597	B
C-AB	14	3	450	0.030	13	0.0	0.0	8.237	A
C-A	669	167			669				
A-B	11	3			11				
A-C	975	244			975				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	255	0.300	76	0.2	0.4	20.036	C
C-AB	16	4	402	0.040	16	0.0	0.0	9.330	A
C-A	799	200			799				
A-B	13	3			13				
A-C	1164	291			1164				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	129	0.724	87	0.4	2.0	77.389	F
C-AB	20	5	335	0.059	20	0.0	0.1	11.417	B
C-A	979	245			979				
A-B	15	4			15				
A-C	1426	356			1426				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	129	0.725	93	2.0	2.2	93.421	F
C-AB	20	5	335	0.059	20	0.1	0.1	11.422	B
C-A	979	245			979				
A-B	15	4			15				
A-C	1426	356			1426				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	255	0.300	84	2.2	0.4	21.856	C
C-AB	16	4	402	0.040	16	0.1	0.0	9.336	A
C-A	799	200			799				
A-B	13	3			13				
A-C	1164	291			1164				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	327	0.196	65	0.4	0.2	13.779	B
C-AB	14	3	450	0.030	14	0.0	0.0	8.242	A
C-A	669	167			669				
A-B	11	3			11				
A-C	975	244			975				

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		0.52	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	20	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	917	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1009	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	888
	B - Amberwood Chase	12	0	33
	C - Owl Lane (West)	971	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.17	15.33	0.2	C	41	62
C-AB	0.09	8.93	0.1	A	35	52
C-A					891	1336
A-B					27	40
A-C					815	1222

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	419	0.081	34	0.0	0.1	9.323	A
C-AB	29	7	525	0.054	28	0.0	0.1	7.240	A
C-A	731	183			731				
A-B	22	5			22				
A-C	669	167			669				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	367	0.110	40	0.1	0.1	11.004	B
C-AB	34	9	492	0.070	34	0.1	0.1	7.869	A
C-A	873	218			873				
A-B	26	7			26				
A-C	798	200			798				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	284	0.174	49	0.1	0.2	15.283	C
C-AB	42	10	445	0.094	42	0.1	0.1	8.924	A
C-A	1069	267			1069				
A-B	32	8			32				
A-C	978	244			978				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	284	0.174	50	0.2	0.2	15.328	C
C-AB	42	10	445	0.094	42	0.1	0.1	8.927	A
C-A	1069	267			1069				
A-B	32	8			32				
A-C	978	244			978				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	367	0.110	41	0.2	0.1	11.039	B
C-AB	34	9	492	0.070	34	0.1	0.1	7.874	A
C-A	873	218			873				
A-B	26	7			26				
A-C	798	200			798				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	419	0.081	34	0.1	0.1	9.350	A
C-AB	29	7	525	0.054	29	0.1	0.1	7.251	A
C-A	731	183			731				
A-B	22	5			22				
A-C	669	167			669				

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		51.53	F

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-18	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1407	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	1165	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1393
	B - Amberwood Chase	29	0	56
	C - Owl Lane (West)	1147	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	999999999.00	1608.12	47.5	F	78	117
C-AB	0.06	12.50	0.1	B	17	25
C-A					1052	1579
A-B					13	19
A-C					1278	1917

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	281	0.228	63	0.0	0.3	16.419	C
C-AB	14	3	432	0.031	13	0.0	0.0	8.604	A
C-A	864	216			864				
A-B	11	3			11				
A-C	1049	262			1049				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	186	0.410	75	0.3	0.7	31.908	D
C-AB	16	4	380	0.043	16	0.0	0.0	9.903	A
C-A	1031	258			1031				
A-B	13	3			13				
A-C	1252	313			1252				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	0	999999999.000	0	0.7	24.1	1608.119	F
C-AB	20	5	308	0.064	20	0.0	0.1	12.495	B
C-A	1263	316			1263				
A-B	15	4			15				
A-C	1534	383			1534				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	0	999999999.000	0	24.1	47.5	-3164.850	?
C-AB	20	5	308	0.064	20	0.1	0.1	12.502	B
C-A	1263	316			1263				
A-B	15	4			15				
A-C	1534	383			1534				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	186	0.410	182	47.5	20.9	755.806	F
C-AB	16	4	380	0.043	16	0.1	0.0	9.912	A
C-A	1031	258			1031				
A-B	13	3			13				
A-C	1252	313			1252				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	281	0.228	147	20.9	0.3	49.728	E
C-AB	14	3	432	0.031	14	0.0	0.0	8.611	A
C-A	864	216			864				
A-B	11	3			11				
A-C	1049	262			1049				

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		3.28	A

Junction Network Options

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

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1226	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1261	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	29	1197
	B - Amberwood Chase	12	0	33
	C - Owl Lane (West)	1223	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.75	175.08	2.1	F	41	62
C-AB	0.12	11.32	0.1	B	35	52
C-A					1122	1683
A-B					27	40
A-C					1098	1648

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	334	0.101	33	0.0	0.1	11.956	B
C-AB	29	7	466	0.061	28	0.0	0.1	8.214	A
C-A	921	230			921				
A-B	22	5			22				
A-C	901	225			901				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	250	0.162	40	0.1	0.2	17.126	C
C-AB	34	9	421	0.081	34	0.1	0.1	9.294	A
C-A	1099	275			1099				
A-B	26	7			26				
A-C	1076	269			1076				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	67	0.744	43	0.2	1.8	132.515	F
C-AB	42	11	360	0.117	42	0.1	0.1	11.308	B
C-A	1346	337			1346				
A-B	32	8			32				
A-C	1318	329			1318				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	66	0.746	48	1.8	2.1	175.077	F
C-AB	42	11	360	0.117	42	0.1	0.1	11.319	B
C-A	1346	337			1346				
A-B	32	8			32				
A-C	1318	329			1318				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	250	0.162	48	2.1	0.2	18.498	C
C-AB	34	9	421	0.081	34	0.1	0.1	9.305	A
C-A	1099	275			1099				
A-B	26	7			26				
A-C	1076	269			1076				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	334	0.101	34	0.2	0.1	12.020	B
C-AB	29	7	466	0.061	29	0.1	0.1	8.225	A
C-A	921	230			921				
A-B	22	5			22				
A-C	901	225			901				

Junction 13: Right Turn Egress Reassignment

Junctions 9	
PICADY 9 - Priority Intersection Module	
Version: 9.5.0.6896 © Copyright TRL Limited, 2018	
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Filename: Junc 13 Owl Lane - Amberwood Chase -RevB NRT-Feb 2020.j9

Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\2019\Off-Site\Junctions9

Report generation date: 03/03/2020 10:30:24

»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 (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
2024 DN										
Stream B-AC	0.4	14.13	0.27	B	35 %	0.1	9.14	0.11	A	100 %
Stream C-AB	0.1	10.81	0.06	B	[Stream B-AC]	0.1	8.87	0.09	A	[Stream B-AC]
2030 DN										
Stream B-AC	0.4	15.14	0.28	C	30 %	0.1	9.17	0.11	A	99 %
Stream C-AB	0.1	11.40	0.06	B	[Stream B-AC]	0.1	8.90	0.09	A	[Stream B-AC]
2024 DS(A)										
Stream B-AC	0.4	14.15	0.27	B	35 %	0.1	9.16	0.11	A	99 %
Stream C-AB	0.1	10.82	0.06	B	[Stream B-AC]	0.1	8.88	0.09	A	[Stream B-AC]
2024 DS(A+B)										
Stream B-AC	0.4	14.56	0.27	B	33 %	0.1	9.18	0.11	A	99 %
Stream C-AB	0.1	11.06	0.06	B	[Stream B-AC]	0.1	8.90	0.09	A	[Stream B-AC]
2030 DS(A)										
Stream B-AC	0.4	15.18	0.28	C	30 %	0.1	9.21	0.11	A	98 %
Stream C-AB	0.1	11.42	0.06	B	[Stream B-AC]	0.1	8.93	0.09	A	[Stream B-AC]
2030 DS(A+B)										
Stream B-AC	0.4	17.12	0.31	C	23 %	0.2	11.75	0.14	B	54 %
Stream C-AB	0.1	12.50	0.06	B	[Stream B-AC]	0.1	11.32	0.12	B	[Stream B-AC]

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.

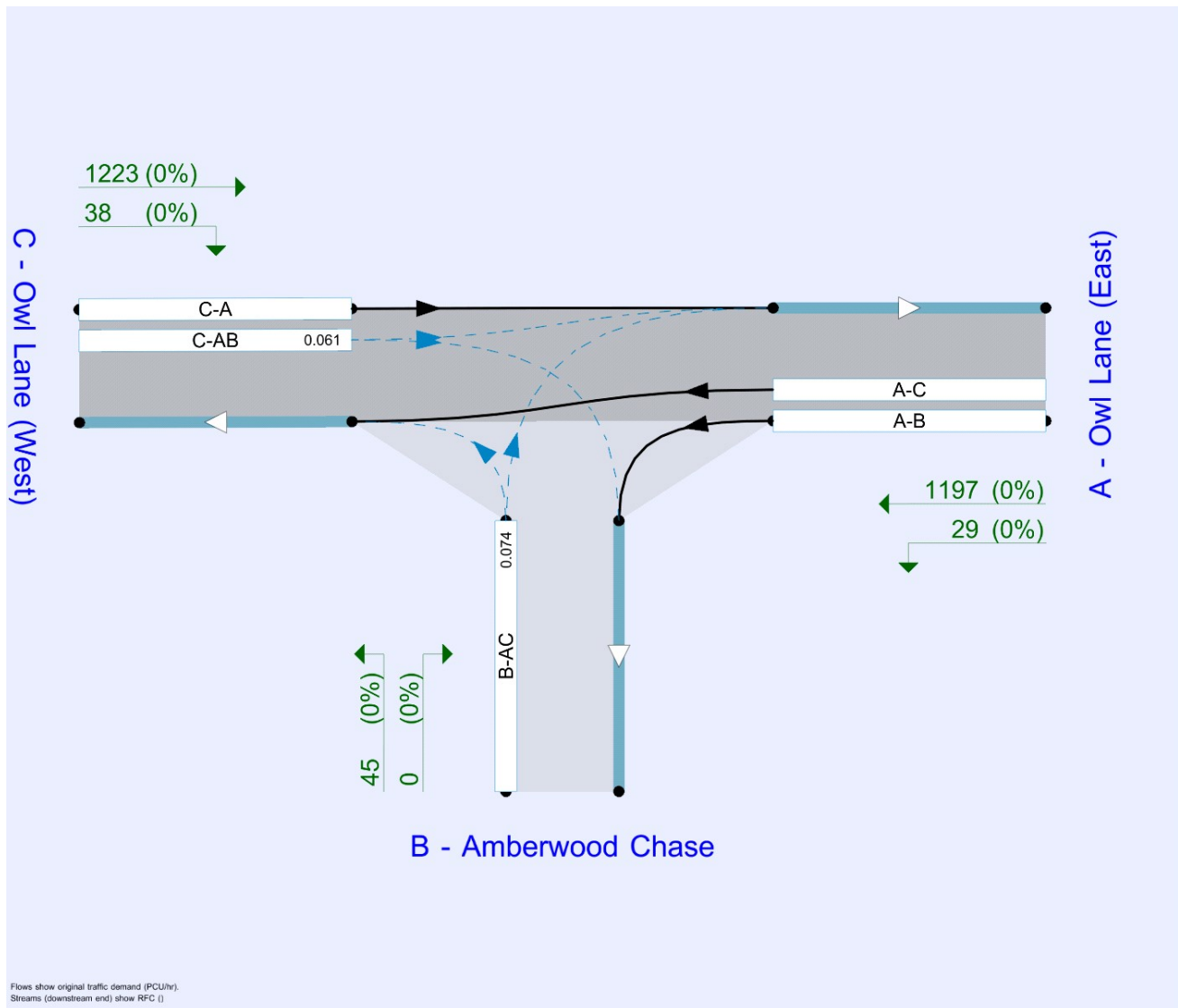
File summary

File Description

Title	(untitled)
Location	
Site number	
Date	18/02/2019
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	PFGROUP\csmith
Description	

Units

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



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
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

2024 DN, 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		0.64	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	35	Stream B-AC

Arms

Arms

Arm	Name	Description	Arm type
A	Owl Lane (East)		Major
B	Amberwood Chase		Minor
C	Owl Lane (West)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - Owl Lane (West)	7.50		✓	2.50	180.0	✓	3.00

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 - Amberwood Chase	One lane	3.00	90	100

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	557	0.095	0.240	0.151	0.343
1	B-C	687	0.098	0.249	-	-
1	C-B	700	0.254	0.254	-	-

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
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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1245	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	835	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1231
	B - Amberwood Chase	0	0	85
	C - Owl Lane (West)	817	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.27	14.13	0.4	B	78	117
C-AB	0.06	10.81	0.1	B	17	25
C-A					750	1125
A-B					13	19
A-C					1130	1694

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	455	0.141	63	0.0	0.2	9.170	A
C-AB	14	3	463	0.029	13	0.0	0.0	8.013	A
C-A	615	154			615				
A-B	11	3			11				
A-C	927	232			927				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	410	0.186	76	0.2	0.2	10.772	B
C-AB	16	4	417	0.039	16	0.0	0.0	8.990	A
C-A	734	184			734				
A-B	13	3			13				
A-C	1107	277			1107				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	348	0.269	93	0.2	0.4	14.080	B
C-AB	20	5	353	0.056	20	0.0	0.1	10.806	B
C-A	900	225			900				
A-B	15	4			15				
A-C	1355	339			1355				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	348	0.269	94	0.4	0.4	14.135	B
C-AB	20	5	353	0.056	20	0.1	0.1	10.810	B
C-A	900	225			900				
A-B	15	4			15				
A-C	1355	339			1355				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	410	0.186	77	0.4	0.2	10.815	B
C-AB	16	4	417	0.039	16	0.1	0.0	8.995	A
C-A	734	184			734				
A-B	13	3			13				
A-C	1107	277			1107				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	455	0.141	64	0.2	0.2	9.212	A
C-AB	14	3	463	0.029	14	0.0	0.0	8.017	A
C-A	615	154			615				
A-B	11	3			11				
A-C	927	232			927				

2024 DN, 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		0.39	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	100	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	907	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	980	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	878
	B - Amberwood Chase	0	0	45
	C - Owl Lane (West)	942	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.11	9.14	0.1	A	41	62
C-AB	0.09	8.87	0.1	A	35	52
C-A					864	1297
A-B					27	40
A-C					806	1209

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	520	0.065	34	0.0	0.1	7.394	A
C-AB	29	7	527	0.054	28	0.0	0.1	7.212	A
C-A	709	177			709				
A-B	22	5			22				
A-C	661	165			661				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	488	0.083	40	0.1	0.1	8.043	A
C-AB	34	9	494	0.069	34	0.1	0.1	7.830	A
C-A	847	212			847				
A-B	26	7			26				
A-C	789	197			789				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	443	0.112	49	0.1	0.1	9.137	A
C-AB	42	10	448	0.094	42	0.1	0.1	8.863	A
C-A	1037	259			1037				
A-B	32	8			32				
A-C	967	242			967				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	443	0.112	50	0.1	0.1	9.143	A
C-AB	42	10	448	0.094	42	0.1	0.1	8.866	A
C-A	1037	259			1037				
A-B	32	8			32				
A-C	967	242			967				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	488	0.083	41	0.1	0.1	8.049	A
C-AB	34	9	494	0.069	34	0.1	0.1	7.837	A
C-A	847	212			847				
A-B	26	7			26				
A-C	789	197			789				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	520	0.065	34	0.1	0.1	7.405	A
C-AB	29	7	527	0.054	29	0.1	0.1	7.220	A
C-A	709	177			709				
A-B	22	5			22				
A-C	661	165			661				

2030 DN, 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		0.65	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	30	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1307	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	899	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1293
	B - Amberwood Chase	0	0	85
	C - Owl Lane (West)	881	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.28	15.14	0.4	C	78	117
C-AB	0.06	11.40	0.1	B	17	25
C-A					808	1213
A-B					13	19
A-C					1186	1780

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	444	0.144	63	0.0	0.2	9.449	A
C-AB	14	3	451	0.030	13	0.0	0.0	8.230	A
C-A	663	166			663				
A-B	11	3			11				
A-C	973	243			973				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	396	0.193	76	0.2	0.2	11.229	B
C-AB	16	4	402	0.040	16	0.0	0.0	9.319	A
C-A	792	198			792				
A-B	13	3			13				
A-C	1162	291			1162				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	331	0.283	93	0.2	0.4	15.075	C
C-AB	20	5	336	0.059	20	0.0	0.1	11.397	B
C-A	970	242			970				
A-B	15	4			15				
A-C	1424	356			1424				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	331	0.283	94	0.4	0.4	15.145	C
C-AB	20	5	336	0.059	20	0.1	0.1	11.402	B
C-A	970	242			970				
A-B	15	4			15				
A-C	1424	356			1424				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	396	0.193	77	0.4	0.2	11.288	B
C-AB	16	4	402	0.040	16	0.1	0.0	9.325	A
C-A	792	198			792				
A-B	13	3			13				
A-C	1162	291			1162				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	444	0.144	64	0.2	0.2	9.495	A
C-AB	14	3	451	0.030	14	0.0	0.0	8.236	A
C-A	663	166			663				
A-B	11	3			11				
A-C	973	243			973				

2030 DN, 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		0.38	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	99	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	912	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1005	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	883
	B - Amberwood Chase	0	0	45
	C - Owl Lane (West)	967	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.11	9.17	0.1	A	41	62
C-AB	0.09	8.90	0.1	A	35	52
C-A					887	1331
A-B					27	40
A-C					810	1215

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	519	0.065	34	0.0	0.1	7.408	A
C-AB	29	7	526	0.054	28	0.0	0.1	7.226	A
C-A	728	182			728				
A-B	22	5			22				
A-C	665	166			665				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	487	0.083	40	0.1	0.1	8.063	A
C-AB	34	9	493	0.069	34	0.1	0.1	7.849	A
C-A	869	217			869				
A-B	26	7			26				
A-C	794	198			794				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	442	0.112	49	0.1	0.1	9.169	A
C-AB	42	10	447	0.094	42	0.1	0.1	8.893	A
C-A	1065	266			1065				
A-B	32	8			32				
A-C	972	243			972				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	442	0.112	50	0.1	0.1	9.175	A
C-AB	42	10	447	0.094	42	0.1	0.1	8.896	A
C-A	1065	266			1065				
A-B	32	8			32				
A-C	972	243			972				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	487	0.083	41	0.1	0.1	8.069	A
C-AB	34	9	493	0.069	34	0.1	0.1	7.856	A
C-A	869	217			869				
A-B	26	7			26				
A-C	794	198			794				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	519	0.065	34	0.1	0.1	7.419	A
C-AB	29	7	526	0.054	29	0.1	0.1	7.234	A
C-A	728	182			728				
A-B	22	5			22				
A-C	665	166			665				

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		0.64	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	35	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1246	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	839	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1232
	B - Amberwood Chase	0	0	85
	C - Owl Lane (West)	821	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.27	14.15	0.4	B	78	117
C-AB	0.06	10.82	0.1	B	17	25
C-A					753	1130
A-B					13	19
A-C					1131	1696

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	455	0.141	63	0.0	0.2	9.175	A
C-AB	14	3	462	0.029	13	0.0	0.0	8.016	A
C-A	618	155			618				
A-B	11	3			11				
A-C	928	232			928				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	410	0.186	76	0.2	0.2	10.762	B
C-AB	16	4	416	0.039	16	0.0	0.0	8.995	A
C-A	738	185			738				
A-B	13	3			13				
A-C	1108	277			1108				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	348	0.269	93	0.2	0.4	14.095	B
C-AB	20	5	353	0.056	20	0.0	0.1	10.815	B
C-A	904	226			904				
A-B	15	4			15				
A-C	1356	339			1356				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	348	0.269	94	0.4	0.4	14.150	B
C-AB	20	5	353	0.056	20	0.1	0.1	10.819	B
C-A	904	226			904				
A-B	15	4			15				
A-C	1356	339			1356				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	410	0.186	77	0.4	0.2	10.823	B
C-AB	16	4	416	0.039	16	0.1	0.0	9.000	A
C-A	738	185			738				
A-B	13	3			13				
A-C	1108	277			1108				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	455	0.141	64	0.2	0.2	9.218	A
C-AB	14	3	462	0.029	14	0.0	0.0	8.022	A
C-A	618	155			618				
A-B	11	3			11				
A-C	928	232			928				

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		0.39	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	99	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	910	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	982	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	29	881
	B - Amberwood Chase	0	0	45
	C - Owl Lane (West)	944	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.11	9.16	0.1	A	41	62
C-AB	0.09	8.88	0.1	A	35	52
C-A					866	1299
A-B					27	40
A-C					808	1213

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	520	0.065	34	0.0	0.1	7.402	A
C-AB	29	7	527	0.054	28	0.0	0.1	7.221	A
C-A	711	178			711				
A-B	22	5			22				
A-C	663	166			663				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	487	0.083	40	0.1	0.1	8.055	A
C-AB	34	9	493	0.069	34	0.1	0.1	7.842	A
C-A	849	212			849				
A-B	26	7			26				
A-C	792	198			792				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	442	0.112	49	0.1	0.1	9.156	A
C-AB	42	10	447	0.094	42	0.1	0.1	8.881	A
C-A	1039	260			1039				
A-B	32	8			32				
A-C	970	242			970				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	442	0.112	50	0.1	0.1	9.162	A
C-AB	42	10	447	0.094	42	0.1	0.1	8.885	A
C-A	1039	260			1039				
A-B	32	8			32				
A-C	970	242			970				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	487	0.083	41	0.1	0.1	8.062	A
C-AB	34	9	493	0.069	34	0.1	0.1	7.849	A
C-A	849	212			849				
A-B	26	7			26				
A-C	792	198			792				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	520	0.065	34	0.1	0.1	7.414	A
C-AB	29	7	527	0.054	29	0.1	0.1	7.228	A
C-A	711	178			711				
A-B	22	5			22				
A-C	663	166			663				

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		0.65	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	33	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1272	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	843	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	14	1258
	B - Amberwood Chase	0	0	85
	C - Owl Lane (West)	825	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.27	14.56	0.4	B	78	117
C-AB	0.06	11.06	0.1	B	17	25
C-A					757	1136
A-B					13	19
A-C					1154	1732

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	450	0.142	63	0.0	0.2	9.288	A
C-AB	14	3	457	0.030	13	0.0	0.0	8.106	A
C-A	621	155			621				
A-B	11	3			11				
A-C	947	237			947				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	404	0.189	76	0.2	0.2	10.961	B
C-AB	16	4	410	0.039	16	0.0	0.0	9.131	A
C-A	742	185			742				
A-B	13	3			13				
A-C	1131	283			1131				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	341	0.275	93	0.2	0.4	14.495	B
C-AB	20	5	345	0.057	20	0.0	0.1	11.056	B
C-A	908	227			908				
A-B	15	4			15				
A-C	1385	346			1385				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	341	0.275	94	0.4	0.4	14.558	B
C-AB	20	5	345	0.057	20	0.1	0.1	11.060	B
C-A	908	227			908				
A-B	15	4			15				
A-C	1385	346			1385				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	404	0.189	77	0.4	0.2	11.015	B
C-AB	16	4	410	0.039	16	0.1	0.0	9.136	A
C-A	742	185			742				
A-B	13	3			13				
A-C	1131	283			1131				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	450	0.142	64	0.2	0.2	9.335	A
C-AB	14	3	457	0.030	14	0.0	0.0	8.110	A
C-A	621	155			621				
A-B	11	3			11				
A-C	947	237			947				

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		0.38	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	99	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	913	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1003	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	29	884
	B - Amberwood Chase	0	0	45
	C - Owl Lane (West)	965	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.11	9.18	0.1	A	41	62
C-AB	0.09	8.90	0.1	A	35	52
C-A					885	1328
A-B					27	40
A-C					811	1217

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	519	0.065	34	0.0	0.1	7.411	A
C-AB	29	7	526	0.054	28	0.0	0.1	7.229	A
C-A	726	182			726				
A-B	22	5			22				
A-C	666	166			666				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	487	0.083	40	0.1	0.1	8.067	A
C-AB	34	9	492	0.069	34	0.1	0.1	7.853	A
C-A	867	217			867				
A-B	26	7			26				
A-C	795	199			795				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	442	0.112	49	0.1	0.1	9.176	A
C-AB	42	10	446	0.094	42	0.1	0.1	8.899	A
C-A	1062	266			1062				
A-B	32	8			32				
A-C	973	243			973				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	442	0.112	50	0.1	0.1	9.181	A
C-AB	42	10	446	0.094	42	0.1	0.1	8.903	A
C-A	1062	266			1062				
A-B	32	8			32				
A-C	973	243			973				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	487	0.083	41	0.1	0.1	8.074	A
C-AB	34	9	492	0.069	34	0.1	0.1	7.860	A
C-A	867	217			867				
A-B	26	7			26				
A-C	795	199			795				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	519	0.065	34	0.1	0.1	7.419	A
C-AB	29	7	526	0.054	29	0.1	0.1	7.237	A
C-A	726	182			726				
A-B	22	5			22				
A-C	666	166			666				

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		0.65	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	30	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1309	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	907	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1295
	B - Amberwood Chase	0	0	85
	C - Owl Lane (West)	889	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.28	15.18	0.4	C	78	117
C-AB	0.06	11.42	0.1	B	17	25
C-A					816	1224
A-B					13	19
A-C					1188	1782

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	443	0.144	63	0.0	0.2	9.458	A
C-AB	14	3	450	0.030	13	0.0	0.0	8.237	A
C-A	669	167			669				
A-B	11	3			11				
A-C	975	244			975				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	396	0.193	76	0.2	0.2	11.244	B
C-AB	16	4	402	0.040	16	0.0	0.0	9.330	A
C-A	799	200			799				
A-B	13	3			13				
A-C	1164	291			1164				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	331	0.283	93	0.2	0.4	15.106	C
C-AB	20	5	335	0.059	20	0.0	0.1	11.417	B
C-A	979	245			979				
A-B	15	4			15				
A-C	1426	356			1426				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	331	0.283	94	0.4	0.4	15.180	C
C-AB	20	5	335	0.059	20	0.1	0.1	11.422	B
C-A	979	245			979				
A-B	15	4			15				
A-C	1426	356			1426				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	396	0.193	77	0.4	0.2	11.306	B
C-AB	16	4	402	0.040	16	0.1	0.0	9.336	A
C-A	799	200			799				
A-B	13	3			13				
A-C	1164	291			1164				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	443	0.144	64	0.2	0.2	9.506	A
C-AB	14	3	450	0.030	14	0.0	0.0	8.242	A
C-A	669	167			669				
A-B	11	3			11				
A-C	975	244			975				

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		0.38	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	98	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	917	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1009	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	888
	B - Amberwood Chase	0	0	45
	C - Owl Lane (West)	971	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.11	9.21	0.1	A	41	62
C-AB	0.09	8.93	0.1	A	35	52
C-A					891	1336
A-B					27	40
A-C					815	1222

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	518	0.065	34	0.0	0.1	7.422	A
C-AB	29	7	525	0.054	28	0.0	0.1	7.240	A
C-A	731	183			731				
A-B	22	5			22				
A-C	669	167			669				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	486	0.083	40	0.1	0.1	8.083	A
C-AB	34	9	492	0.070	34	0.1	0.1	7.869	A
C-A	873	218			873				
A-B	26	7			26				
A-C	798	200			798				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	441	0.112	49	0.1	0.1	9.201	A
C-AB	42	10	445	0.094	42	0.1	0.1	8.924	A
C-A	1069	267			1069				
A-B	32	8			32				
A-C	978	244			978				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	441	0.112	50	0.1	0.1	9.207	A
C-AB	42	10	445	0.094	42	0.1	0.1	8.927	A
C-A	1069	267			1069				
A-B	32	8			32				
A-C	978	244			978				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	486	0.083	41	0.1	0.1	8.089	A
C-AB	34	9	492	0.070	34	0.1	0.1	7.874	A
C-A	873	218			873				
A-B	26	7			26				
A-C	798	200			798				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	518	0.065	34	0.1	0.1	7.431	A
C-AB	29	7	525	0.054	29	0.1	0.1	7.251	A
C-A	731	183			731				
A-B	22	5			22				
A-C	669	167			669				

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		0.63	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	23	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1407	100.000
B - Amberwood Chase		ONE HOUR	✓	85	100.000
C - Owl Lane (West)		ONE HOUR	✓	1165	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	14	1393
	B - Amberwood Chase	0	0	85
	C - Owl Lane (West)	1147	18	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.31	17.12	0.4	C	78	117
C-AB	0.06	12.50	0.1	B	17	25
C-A					1052	1579
A-B					13	19
A-C					1278	1917

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	425	0.151	63	0.0	0.2	9.935	A
C-AB	14	3	432	0.031	13	0.0	0.0	8.604	A
C-A	864	216			864				
A-B	11	3			11				
A-C	1049	262			1049				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	374	0.204	76	0.2	0.3	12.068	B
C-AB	16	4	380	0.043	16	0.0	0.0	9.903	A
C-A	1031	258			1031				
A-B	13	3			13				
A-C	1252	313			1252				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	304	0.308	93	0.3	0.4	17.005	C
C-AB	20	5	308	0.064	20	0.0	0.1	12.495	B
C-A	1263	316			1263				
A-B	15	4			15				
A-C	1534	383			1534				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	304	0.308	94	0.4	0.4	17.116	C
C-AB	20	5	308	0.064	20	0.1	0.1	12.502	B
C-A	1263	316			1263				
A-B	15	4			15				
A-C	1534	383			1534				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	374	0.204	77	0.4	0.3	12.151	B
C-AB	16	4	380	0.043	16	0.1	0.0	9.912	A
C-A	1031	258			1031				
A-B	13	3			13				
A-C	1252	313			1252				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	425	0.151	64	0.3	0.2	9.990	A
C-AB	14	3	432	0.031	14	0.0	0.0	8.611	A
C-A	864	216			864				
A-B	11	3			11				
A-C	1049	262			1049				

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		0.38	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	54	Stream B-AC

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 (PCU/hr)	Scaling Factor (%)
A - Owl Lane (East)		ONE HOUR	✓	1226	100.000
B - Amberwood Chase		ONE HOUR	✓	45	100.000
C - Owl Lane (West)		ONE HOUR	✓	1261	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	29	1197
	B - Amberwood Chase	0	0	45
	C - Owl Lane (West)	1223	38	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Owl Lane (East)	B - Amberwood Chase	C - Owl Lane (West)
From	A - Owl Lane (East)	0	0	0
	B - Amberwood Chase	0	0	0
	C - Owl Lane (West)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.14	11.75	0.2	B	41	62
C-AB	0.12	11.32	0.1	B	35	52
C-A					1122	1683
A-B					27	40
A-C					1098	1648

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	461	0.074	34	0.0	0.1	8.425	A
C-AB	29	7	466	0.061	28	0.0	0.1	8.214	A
C-A	921	230			921				
A-B	22	5			22				
A-C	901	225			901				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	417	0.097	40	0.1	0.1	9.563	A
C-AB	34	9	421	0.081	34	0.1	0.1	9.294	A
C-A	1099	275			1099				
A-B	26	7			26				
A-C	1076	269			1076				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	356	0.139	49	0.1	0.2	11.734	B
C-AB	42	11	360	0.117	42	0.1	0.1	11.308	B
C-A	1346	337			1346				
A-B	32	8			32				
A-C	1318	329			1318				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	12	356	0.139	50	0.2	0.2	11.750	B
C-AB	42	11	360	0.117	42	0.1	0.1	11.319	B
C-A	1346	337			1346				
A-B	32	8			32				
A-C	1318	329			1318				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	40	10	417	0.097	41	0.2	0.1	9.582	A
C-AB	34	9	421	0.081	34	0.1	0.1	9.305	A
C-A	1099	275			1099				
A-B	26	7			26				
A-C	1076	269			1076				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	8	461	0.074	34	0.1	0.1	8.441	A
C-AB	29	7	466	0.061	29	0.1	0.1	8.225	A
C-A	921	230			921				
A-B	22	5			22				
A-C	901	225			901				