

APPENDIX 4

PICADY Output Hillock Lane/Stancliffe Avenue

/Site Access

Junctions 9	
PICADY 9 - Priority Intersection Module	
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Filename: Hillock Lane - Stancliffe Avenue - Site Access LR Stagger.j9

Path: Z:\projects\1856 Hillock Lane, Gresford\Picady\March 2020

Report generation date: 31/03/2020 12:11:02

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- »Factored 2019/2020 Surveyed Flows, AM
 - »Factored 2019/2020 Surveyed Flows, PM
 - »2025 Growthed Flows, AM
 - »2025 Growthed Flows, PM
 - »2030 Growthed Flows, AM
 - »2030 Growthed Flows, PM
 - »2035 Growthed Flows, AM
 - »2035 Growthed Flows, PM
 - »2025 With Development, AM
 - »2025 With Development, PM
 - »2030 With Development, AM
 - »2030 With Development, PM
 - »2035 With Development, AM
 - »2035 With Development, PM

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
Factored 2019/2020 Surveyed Flows								
Stream B-ACD	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream AB-CD	0.0	5.89	0.00	A	0.0	5.89	0.01	A
Stream D-ABC	0.0	7.68	0.03	A	0.0	0.00	0.00	A
Stream CD-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
2025 Growthed Flows								
Stream B-ACD	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream AB-CD	0.0	5.89	0.00	A	0.0	5.89	0.01	A
Stream D-ABC	0.0	7.72	0.04	A	0.0	0.00	0.00	A
Stream CD-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
2030 Growthed Flows								
Stream B-ACD	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream AB-CD	0.0	5.90	0.00	A	0.0	5.90	0.01	A
Stream D-ABC	0.0	7.72	0.04	A	0.0	7.42	0.01	A
Stream CD-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
2035 Growthed Flows								
Stream B-ACD	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream AB-CD	0.0	5.90	0.00	A	0.0	5.91	0.01	A
Stream D-ABC	0.0	7.76	0.04	A	0.0	7.43	0.01	A
Stream CD-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
2025 With Development								
Stream B-ACD	0.1	6.54	0.10	A	0.1	6.30	0.06	A
Stream AB-CD	0.0	5.92	0.00	A	0.0	5.99	0.01	A
Stream D-ABC	0.0	7.87	0.04	A	0.0	0.00	0.00	A
Stream CD-AB	0.0	6.13	0.02	A	0.1	6.59	0.07	A
2030 With Development								
Stream B-ACD	0.1	6.54	0.10	A	0.1	6.31	0.06	A
Stream AB-CD	0.0	5.92	0.00	A	0.0	6.00	0.01	A
Stream D-ABC	0.0	7.87	0.04	A	0.0	7.62	0.01	A
Stream CD-AB	0.0	6.13	0.02	A	0.1	6.60	0.07	A
2035 With Development								
Stream B-ACD	0.1	6.55	0.10	A	0.1	6.32	0.06	A
Stream AB-CD	0.0	5.93	0.00	A	0.0	6.00	0.01	A
Stream D-ABC	0.0	7.92	0.04	A	0.0	7.63	0.01	A
Stream CD-AB	0.0	6.13	0.02	A	0.1	6.60	0.07	A

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

File summary

File Description

Title	Hillock Lane - Stancliffe Avenue - Site Access LR Stagger
Location	Gresford
Site number	
Date	23/03/2020
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	1856
Enumerator	EDD
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

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Factored 2019/2020 Surveyed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D2	Factored 2019/2020 Surveyed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D3	2025 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D4	2025 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D5	2030 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D6	2030 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D7	2035 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D8	2035 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D9	2025 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D10	2025 With Development	PM	ONE HOUR	17:00	18:30	15	✓
D11	2030 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D12	2030 With Development	PM	ONE HOUR	17:00	18:30	15	✓
D13	2035 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D14	2035 With Development	PM	ONE HOUR	17:00	18:30	15	✓

Analysis Set Details

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

Factored 2019/2020 Surveyed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		1.21	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Hillock Lane (E)		Major
B	Site Access		Minor
C	Hillock Lane (W)		Major
D	Stancliffe Avenue		Minor

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)
A	6.00			80.0	✓	1.00
C	6.00			50.0	✓	1.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.00	43	43
D	One lane	2.80	15	14

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B
AB-D	620	-	-	-	-	-	0.240	0.240	0.240	-	-
B-A	513	0.093	0.236	0.236	-	-	0.149	0.337	-	0.149	0.337
B-CD	651	0.100	0.252	0.252	-	-	-	-	-	-	-
CD-B	603	0.234	0.234	0.234	-	-	-	-	-	-	-
D-AB	620	-	-	-	-	-	0.240	0.240	0.095	-	-
D-C	480	-	0.139	0.315	0.139	0.315	0.221	0.221	0.087	-	-

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	Factored 2019/2020 Surveyed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	14	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	31	100.000
D		ONE HOUR	✓	15	100.000

Origin-Destination Data

Demand (PCU/hr)

		To				
		A	B	C	D	
From	A	0	0	13	1	
	B	0	0	0	0	
	C	24	0	0	7	
	D	2	0	13	0	

Vehicle Mix

Heavy Vehicle Percentages

		To				
		A	B	C	D	
From	A	0	0	0	0	
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					12	18
A-D					0.92	1
AB-CD	0.00	5.89	0.0	A	0.92	1
AB-C					12	18
D-ABC	0.03	7.68	0.0	A	14	21
C-D					6	10
C-A					22	33
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					24	36

Main Results for each time segment

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	10	2			10				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	615	0.001	0.75	0.0	0.0	5.863	A
AB-C	10	2			10				
D-ABC	11	3	489	0.023	11	0.0	0.0	7.548	A
C-D	5	1			5				
C-A	18	5			18				
C-B	0	0			0				
CD-AB	0	0	1201	0.000	0	0.0	0.0	0.000	A
CD-A	20	5			20				

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	12	3			12				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	614	0.001	0.90	0.0	0.0	5.874	A
AB-C	12	3			12				
D-ABC	13	3	487	0.028	13	0.0	0.0	7.602	A
C-D	6	2			6				
C-A	22	5			22				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	23	6			23				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	567	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	14	4			14				
A-D	1	0.28			1				
AB-CD	1	0.28	612	0.002	1	0.0	0.0	5.891	A
AB-C	14	4			14				
D-ABC	17	4	486	0.034	16	0.0	0.0	7.677	A
C-D	8	2			8				
C-A	26	7			26				
C-B	0	0			0				
CD-AB	0	0	1199	0.000	0	0.0	0.0	0.000	A
CD-A	29	7			29				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	567	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	14	4			14				
A-D	1	0.28			1				
AB-CD	1	0.28	612	0.002	1	0.0	0.0	5.891	A
AB-C	14	4			14				
D-ABC	17	4	486	0.034	17	0.0	0.0	7.677	A
C-D	8	2			8				
C-A	26	7			26				
C-B	0	0			0				
CD-AB	0	0	1199	0.000	0	0.0	0.0	0.000	A
CD-A	29	7			29				

09:15 - 09:30

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	12	3			12				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	614	0.001	0.90	0.0	0.0	5.877	A
AB-C	12	3			12				
D-ABC	13	3	487	0.028	14	0.0	0.0	7.605	A
C-D	6	2			6				
C-A	22	5			22				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	23	6			23				

09:30 - 09:45

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	10	2			10				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	615	0.001	0.75	0.0	0.0	5.863	A
AB-C	10	2			10				
D-ABC	11	3	489	0.023	11	0.0	0.0	7.552	A
C-D	5	1			5				
C-A	18	5			18				
C-B	0	0			0				
CD-AB	0	0	1201	0.000	0	0.0	0.0	0.000	A
CD-A	20	5			20				

Factored 2019/2020 Surveyed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		0.14	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Factored 2019/2020 Surveyed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	44	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	23	100.000
D		ONE HOUR	✓	4	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	0	41	3
	B	0	0	0	0
	C	11	0	0	12
	D	1	0	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					38	56
A-D					3	4
AB-CD	0.01	5.89	0.0	A	3	4
AB-C					38	56
D-ABC	0.00	0.00	0.0	A	0	0
C-D					11	17
C-A					10	15
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					10	15

Main Results for each time segment

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-ACD	0	0	565	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	31	8			31				
A-D	2	0.56			2				
AB-CD	2	0.56	616	0.004	2	0.0	0.0	5.862	A
AB-C	31	8			31				
D-ABC	0	0	535	0.000	0	0.0	0.0	0.000	A
C-D	9	2			9				
C-A	8	2			8				
C-B	0	0			0				
CD-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
CD-A	8	2			8				

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-ACD	0	0	563	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	37	9			37				
A-D	3	0.67			3				
AB-CD	3	0.67	615	0.004	3	0.0	0.0	5.874	A
AB-C	37	9			37				
D-ABC	0	0	534	0.000	0	0.0	0.0	0.000	A
C-D	11	3			11				
C-A	10	2			10				
C-B	0	0			0				
CD-AB	0	0	1187	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

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-ACD	0	0	561	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	45	11			45				
A-D	3	0.83			3				
AB-CD	3	0.83	614	0.005	3	0.0	0.0	5.889	A
AB-C	45	11			45				
D-ABC	0	0	532	0.000	0	0.0	0.0	0.000	A
C-D	13	3			13				
C-A	12	3			12				
C-B	0	0			0				
CD-AB	0	0	1183	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	561	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	45	11			45				
A-D	3	0.83			3				
AB-CD	3	0.83	614	0.005	3	0.0	0.0	5.889	A
AB-C	45	11			45				
D-ABC	0	0	532	0.000	0	0.0	0.0	0.000	A
C-D	13	3			13				
C-A	12	3			12				
C-B	0	0			0				
CD-AB	0	0	1183	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	563	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	37	9			37				
A-D	3	0.67			3				
AB-CD	3	0.67	615	0.004	3	0.0	0.0	5.876	A
AB-C	37	9			37				
D-ABC	0	0	534	0.000	0	0.0	0.0	0.000	A
C-D	11	3			11				
C-A	10	2			10				
C-B	0	0			0				
CD-AB	0	0	1187	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

18:15 - 18:30

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-ACD	0	0	565	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	31	8			31				
A-D	2	0.56			2				
AB-CD	2	0.56	616	0.004	2	0.0	0.0	5.862	A
AB-C	31	8			31				
D-ABC	0	0	535	0.000	0	0.0	0.0	0.000	A
C-D	9	2			9				
C-A	8	2			8				
C-B	0	0			0				
CD-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
CD-A	8	2			8				

2025 Growthed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		1.23	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2025 Growthed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	15	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	32	100.000
D		ONE HOUR	✓	16	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	0	14	1
	B	0	0	0	0
	C	25	0	0	7
	D	2	0	14	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					13	19
A-D					0.92	1
AB-CD	0.00	5.89	0.0	A	0.92	1
AB-C					13	19
D-ABC	0.04	7.72	0.0	A	15	22
C-D					6	10
C-A					23	34
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					25	37

Main Results for each time segment

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	615	0.001	0.75	0.0	0.0	5.864	A
AB-C	11	3			11				
D-ABC	12	3	487	0.025	12	0.0	0.0	7.577	A
C-D	5	1			5				
C-A	19	5			19				
C-B	0	0			0				
CD-AB	0	0	1201	0.000	0	0.0	0.0	0.000	A
CD-A	20	5			20				

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	613	0.001	0.90	0.0	0.0	5.876	A
AB-C	13	3			13				
D-ABC	14	4	486	0.030	14	0.0	0.0	7.637	A
C-D	6	2			6				
C-A	22	6			22				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	24	6			24				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	567	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	612	0.002	1	0.0	0.0	5.893	A
AB-C	15	4			15				
D-ABC	18	4	484	0.036	18	0.0	0.0	7.718	A
C-D	8	2			8				
C-A	28	7			28				
C-B	0	0			0				
CD-AB	0	0	1198	0.000	0	0.0	0.0	0.000	A
CD-A	30	7			30				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	567	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	612	0.002	1	0.0	0.0	5.893	A
AB-C	15	4			15				
D-ABC	18	4	484	0.036	18	0.0	0.0	7.718	A
C-D	8	2			8				
C-A	28	7			28				
C-B	0	0			0				
CD-AB	0	0	1198	0.000	0	0.0	0.0	0.000	A
CD-A	30	7			30				

09:15 - 09:30

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	613	0.001	0.90	0.0	0.0	5.879	A
AB-C	13	3			13				
D-ABC	14	4	486	0.030	14	0.0	0.0	7.641	A
C-D	6	2			6				
C-A	22	6			22				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	24	6			24				

09:30 - 09:45

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	615	0.001	0.75	0.0	0.0	5.867	A
AB-C	11	3			11				
D-ABC	12	3	487	0.025	12	0.0	0.0	7.583	A
C-D	5	1			5				
C-A	19	5			19				
C-B	0	0			0				
CD-AB	0	0	1201	0.000	0	0.0	0.0	0.000	A
CD-A	20	5			20				

2025 Growthed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		0.14	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2025 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	46	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	24	100.000
D		ONE HOUR	✓	4	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	0	43	3
	B	0	0	0	0
	C	11	0	0	13
	D	1	0	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					39	59
A-D					3	4
AB-CD	0.01	5.89	0.0	A	3	4
AB-C					39	59
D-ABC	0.00	0.00	0.0	A	0	0
C-D					12	18
C-A					10	15
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					10	15

Main Results for each time segment

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-ACD	0	0	564	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	32	8			32				
A-D	2	0.56			2				
AB-CD	2	0.56	616	0.004	2	0.0	0.0	5.864	A
AB-C	32	8			32				
D-ABC	0	0	535	0.000	0	0.0	0.0	0.000	A
C-D	10	2			10				
C-A	8	2			8				
C-B	0	0			0				
CD-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
CD-A	8	2			8				

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-ACD	0	0	563	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	39	10			39				
A-D	3	0.67			3				
AB-CD	3	0.67	615	0.004	3	0.0	0.0	5.876	A
AB-C	39	10			39				
D-ABC	0	0	534	0.000	0	0.0	0.0	0.000	A
C-D	12	3			12				
C-A	10	2			10				
C-B	0	0			0				
CD-AB	0	0	1187	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

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-ACD	0	0	560	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	47	12			47				
A-D	3	0.83			3				
AB-CD	3	0.83	614	0.005	3	0.0	0.0	5.892	A
AB-C	47	12			47				
D-ABC	0	0	532	0.000	0	0.0	0.0	0.000	A
C-D	14	4			14				
C-A	12	3			12				
C-B	0	0			0				
CD-AB	0	0	1182	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	560	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	47	12			47				
A-D	3	0.83			3				
AB-CD	3	0.83	614	0.005	3	0.0	0.0	5.892	A
AB-C	47	12			47				
D-ABC	0	0	532	0.000	0	0.0	0.0	0.000	A
C-D	14	4			14				
C-A	12	3			12				
C-B	0	0			0				
CD-AB	0	0	1182	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	563	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	39	10			39				
A-D	3	0.67			3				
AB-CD	3	0.67	615	0.004	3	0.0	0.0	5.878	A
AB-C	39	10			39				
D-ABC	0	0	534	0.000	0	0.0	0.0	0.000	A
C-D	12	3			12				
C-A	10	2			10				
C-B	0	0			0				
CD-AB	0	0	1187	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

18:15 - 18:30

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-ACD	0	0	564	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	32	8			32				
A-D	2	0.56			2				
AB-CD	2	0.56	616	0.004	2	0.0	0.0	5.864	A
AB-C	32	8			32				
D-ABC	0	0	535	0.000	0	0.0	0.0	0.000	A
C-D	10	2			10				
C-A	8	2			8				
C-B	0	0			0				
CD-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
CD-A	8	2			8				

2030 Growthed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		1.21	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2030 Growthed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	15	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	33	100.000
D		ONE HOUR	✓	16	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	0	14	1
	B	0	0	0	0
	C	26	0	0	7
	D	2	0	14	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					13	19
A-D					0.92	1
AB-CD	0.00	5.90	0.0	A	0.92	1
AB-C					13	19
D-ABC	0.04	7.72	0.0	A	15	22
C-D					6	10
C-A					24	36
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					26	39

Main Results for each time segment

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	614	0.001	0.75	0.0	0.0	5.866	A
AB-C	11	3			11				
D-ABC	12	3	487	0.025	12	0.0	0.0	7.579	A
C-D	5	1			5				
C-A	20	5			20				
C-B	0	0			0				
CD-AB	0	0	1201	0.000	0	0.0	0.0	0.000	A
CD-A	21	5			21				

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	613	0.001	0.90	0.0	0.0	5.879	A
AB-C	13	3			13				
D-ABC	14	4	486	0.030	14	0.0	0.0	7.640	A
C-D	6	2			6				
C-A	23	6			23				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	25	6			25				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	567	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	612	0.002	1	0.0	0.0	5.896	A
AB-C	15	4			15				
D-ABC	18	4	484	0.036	18	0.0	0.0	7.722	A
C-D	8	2			8				
C-A	29	7			29				
C-B	0	0			0				
CD-AB	0	0	1198	0.000	0	0.0	0.0	0.000	A
CD-A	31	8			31				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	567	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	612	0.002	1	0.0	0.0	5.896	A
AB-C	15	4			15				
D-ABC	18	4	484	0.036	18	0.0	0.0	7.722	A
C-D	8	2			8				
C-A	29	7			29				
C-B	0	0			0				
CD-AB	0	0	1198	0.000	0	0.0	0.0	0.000	A
CD-A	31	8			31				

09:15 - 09:30

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	613	0.001	0.90	0.0	0.0	5.879	A
AB-C	13	3			13				
D-ABC	14	4	486	0.030	14	0.0	0.0	7.641	A
C-D	6	2			6				
C-A	23	6			23				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	25	6			25				

09:30 - 09:45

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	614	0.001	0.75	0.0	0.0	5.868	A
AB-C	11	3			11				
D-ABC	12	3	487	0.025	12	0.0	0.0	7.583	A
C-D	5	1			5				
C-A	20	5			20				
C-B	0	0			0				
CD-AB	0	0	1201	0.000	0	0.0	0.0	0.000	A
CD-A	21	5			21				

2030 Growthed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		0.43	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2030 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	49	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	25	100.000
D		ONE HOUR	✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	0	45	4
	B	0	0	0	0
	C	12	0	0	13
	D	1	0	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					41	62
A-D					4	6
AB-CD	0.01	5.90	0.0	A	4	6
AB-C					41	62
D-ABC	0.01	7.42	0.0	A	5	7
C-D					12	18
C-A					11	17
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					12	18

Main Results for each time segment

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-ACD	0	0	564	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	34	8			34				
A-D	3	0.75			3				
AB-CD	3	0.75	616	0.005	3	0.0	0.0	5.872	A
AB-C	34	8			34				
D-ABC	4	0.94	494	0.008	4	0.0	0.0	7.341	A
C-D	10	2			10				
C-A	9	2			9				
C-B	0	0			0				
CD-AB	0	0	1189	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

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-ACD	0	0	562	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	40	10			40				
A-D	4	0.90			4				
AB-CD	4	0.90	615	0.006	4	0.0	0.0	5.886	A
AB-C	40	10			40				
D-ABC	4	1	493	0.009	4	0.0	0.0	7.375	A
C-D	12	3			12				
C-A	11	3			11				
C-B	0	0			0				
CD-AB	0	0	1185	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

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-ACD	0	0	559	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	50	12			50				
A-D	4	1			4				
AB-CD	4	1	614	0.007	4	0.0	0.0	5.904	A
AB-C	50	12			50				
D-ABC	6	1	491	0.011	5	0.0	0.0	7.422	A
C-D	14	4			14				
C-A	13	3			13				
C-B	0	0			0				
CD-AB	0	0	1181	0.000	0	0.0	0.0	0.000	A
CD-A	14	4			14				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	559	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	50	12			50				
A-D	4	1			4				
AB-CD	4	1	614	0.007	4	0.0	0.0	5.904	A
AB-C	50	12			50				
D-ABC	6	1	491	0.011	6	0.0	0.0	7.422	A
C-D	14	4			14				
C-A	13	3			13				
C-B	0	0			0				
CD-AB	0	0	1181	0.000	0	0.0	0.0	0.000	A
CD-A	14	4			14				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	562	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	40	10			40				
A-D	4	0.90			4				
AB-CD	4	0.90	615	0.006	4	0.0	0.0	5.886	A
AB-C	40	10			40				
D-ABC	4	1	493	0.009	5	0.0	0.0	7.378	A
C-D	12	3			12				
C-A	11	3			11				
C-B	0	0			0				
CD-AB	0	0	1185	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

18:15 - 18:30

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-ACD	0	0	564	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	34	8			34				
A-D	3	0.75			3				
AB-CD	3	0.75	616	0.005	3	0.0	0.0	5.875	A
AB-C	34	8			34				
D-ABC	4	0.94	494	0.008	4	0.0	0.0	7.344	A
C-D	10	2			10				
C-A	9	2			9				
C-B	0	0			0				
CD-AB	0	0	1189	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

2035 Growthed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		1.23	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2035 Growthed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	16	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	34	100.000
D		ONE HOUR	✓	17	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	0	15	1
	B	0	0	0	0
	C	27	0	0	7
	D	2	0	15	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					14	21
A-D					0.92	1
AB-CD	0.00	5.90	0.0	A	0.92	1
AB-C					14	21
D-ABC	0.04	7.76	0.0	A	16	23
C-D					6	10
C-A					25	37
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					27	40

Main Results for each time segment

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	614	0.001	0.75	0.0	0.0	5.868	A
AB-C	11	3			11				
D-ABC	13	3	486	0.026	13	0.0	0.0	7.609	A
C-D	5	1			5				
C-A	20	5			20				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	22	5			22				

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	613	0.001	0.90	0.0	0.0	5.881	A
AB-C	13	3			13				
D-ABC	15	4	485	0.032	15	0.0	0.0	7.674	A
C-D	6	2			6				
C-A	24	6			24				
C-B	0	0			0				
CD-AB	0	0	1199	0.000	0	0.0	0.0	0.000	A
CD-A	26	7			26				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	566	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	17	4			17				
A-D	1	0.28			1				
AB-CD	1	0.28	611	0.002	1	0.0	0.0	5.898	A
AB-C	17	4			17				
D-ABC	19	5	483	0.039	19	0.0	0.0	7.761	A
C-D	8	2			8				
C-A	30	7			30				
C-B	0	0			0				
CD-AB	0	0	1198	0.000	0	0.0	0.0	0.000	A
CD-A	32	8			32				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	566	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	17	4			17				
A-D	1	0.28			1				
AB-CD	1	0.28	611	0.002	1	0.0	0.0	5.898	A
AB-C	17	4			17				
D-ABC	19	5	483	0.039	19	0.0	0.0	7.761	A
C-D	8	2			8				
C-A	30	7			30				
C-B	0	0			0				
CD-AB	0	0	1198	0.000	0	0.0	0.0	0.000	A
CD-A	32	8			32				

09:15 - 09:30

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-ACD	0	0	568	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	613	0.001	0.90	0.0	0.0	5.881	A
AB-C	13	3			13				
D-ABC	15	4	485	0.032	15	0.0	0.0	7.678	A
C-D	6	2			6				
C-A	24	6			24				
C-B	0	0			0				
CD-AB	0	0	1199	0.000	0	0.0	0.0	0.000	A
CD-A	26	7			26				

09:30 - 09:45

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-ACD	0	0	569	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	614	0.001	0.75	0.0	0.0	5.870	A
AB-C	11	3			11				
D-ABC	13	3	486	0.026	13	0.0	0.0	7.616	A
C-D	5	1			5				
C-A	20	5			20				
C-B	0	0			0				
CD-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
CD-A	22	5			22				

2035 Growthed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		0.42	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2035 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	51	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	26	100.000
D		ONE HOUR	✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	0	47	4
	B	0	0	0	0
	C	12	0	0	14
	D	1	0	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.00	0.00	0.0	A	0	0
A-B					0	0
A-C					43	65
A-D					4	6
AB-CD	0.01	5.91	0.0	A	4	6
AB-C					43	65
D-ABC	0.01	7.43	0.0	A	5	7
C-D					13	19
C-A					11	17
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					12	18

Main Results for each time segment

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-ACD	0	0	563	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	35	9			35				
A-D	3	0.75			3				
AB-CD	3	0.75	616	0.005	3	0.0	0.0	5.874	A
AB-C	35	9			35				
D-ABC	4	0.94	494	0.008	4	0.0	0.0	7.345	A
C-D	11	3			11				
C-A	9	2			9				
C-B	0	0			0				
CD-AB	0	0	1188	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

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-ACD	0	0	561	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	42	11			42				
A-D	4	0.90			4				
AB-CD	4	0.90	615	0.006	4	0.0	0.0	5.888	A
AB-C	42	11			42				
D-ABC	4	1	493	0.009	4	0.0	0.0	7.379	A
C-D	13	3			13				
C-A	11	3			11				
C-B	0	0			0				
CD-AB	0	0	1184	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

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-ACD	0	0	559	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	52	13			52				
A-D	4	1			4				
AB-CD	4	1	614	0.007	4	0.0	0.0	5.907	A
AB-C	52	13			52				
D-ABC	6	1	490	0.011	5	0.0	0.0	7.428	A
C-D	15	4			15				
C-A	13	3			13				
C-B	0	0			0				
CD-AB	0	0	1180	0.000	0	0.0	0.0	0.000	A
CD-A	14	4			14				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	559	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	52	13			52				
A-D	4	1			4				
AB-CD	4	1	614	0.007	4	0.0	0.0	5.907	A
AB-C	52	13			52				
D-ABC	6	1	490	0.011	6	0.0	0.0	7.428	A
C-D	15	4			15				
C-A	13	3			13				
C-B	0	0			0				
CD-AB	0	0	1180	0.000	0	0.0	0.0	0.000	A
CD-A	14	4			14				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	561	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	42	11			42				
A-D	4	0.90			4				
AB-CD	4	0.90	615	0.006	4	0.0	0.0	5.888	A
AB-C	42	11			42				
D-ABC	4	1	493	0.009	5	0.0	0.0	7.380	A
C-D	13	3			13				
C-A	11	3			11				
C-B	0	0			0				
CD-AB	0	0	1184	0.000	0	0.0	0.0	0.000	A
CD-A	12	3			12				

18:15 - 18:30

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-ACD	0	0	563	0.000	0	0.0	0.0	0.000	A
A-B	0	0			0				
A-C	35	9			35				
A-D	3	0.75			3				
AB-CD	3	0.75	616	0.005	3	0.0	0.0	5.876	A
AB-C	35	9			35				
D-ABC	4	0.94	494	0.008	4	0.0	0.0	7.348	A
C-D	11	3			11				
C-A	9	2			9				
C-B	0	0			0				
CD-AB	0	0	1188	0.000	0	0.0	0.0	0.000	A
CD-A	10	2			10				

2025 With Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		2.45	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2025 With Development	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	17	100.000
B		ONE HOUR	✓	55	100.000
C		ONE HOUR	✓	43	100.000
D		ONE HOUR	✓	16	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	2	14	1
	B	11	0	44	0
	C	25	11	0	7
	D	2	0	14	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.10	6.54	0.1	A	50	76
A-B					2	3
A-C					13	19
A-D					0.92	1
AB-CD	0.00	5.92	0.0	A	0.92	1
AB-C					53	80
D-ABC	0.04	7.87	0.0	A	15	22
C-D					6	10
C-A					23	34
C-B					10	15
CD-AB	0.02	6.13	0.0	A	10	15
CD-A					25	37

Main Results for each time segment

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-ACD	41	10	613	0.068	41	0.0	0.1	6.292	A
A-B	2	0.38			2				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	613	0.001	0.75	0.0	0.0	5.883	A
AB-C	43	11			43				
D-ABC	12	3	481	0.025	12	0.0	0.0	7.676	A
C-D	5	1			5				
C-A	19	5			19				
C-B	8	2			8				
CD-AB	8	2	600	0.014	8	0.0	0.0	6.081	A
CD-A	20	5			20				

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-ACD	49	12	612	0.081	49	0.1	0.1	6.397	A
A-B	2	0.45			2				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	611	0.001	0.90	0.0	0.0	5.899	A
AB-C	52	13			52				
D-ABC	14	4	479	0.030	14	0.0	0.0	7.758	A
C-D	6	2			6				
C-A	22	6			22				
C-B	10	2			10				
CD-AB	10	2	600	0.017	10	0.0	0.0	6.102	A
CD-A	24	6			24				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	61	15	611	0.099	60	0.1	0.1	6.541	A
A-B	2	0.55			2				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	609	0.002	1	0.0	0.0	5.921	A
AB-C	64	16			64				
D-ABC	18	4	475	0.037	18	0.0	0.0	7.870	A
C-D	8	2			8				
C-A	28	7			28				
C-B	12	3			12				
CD-AB	12	3	599	0.020	12	0.0	0.0	6.131	A
CD-A	30	7			30				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	61	15	611	0.099	61	0.1	0.1	6.541	A
A-B	2	0.55			2				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	609	0.002	1	0.0	0.0	5.921	A
AB-C	64	16			64				
D-ABC	18	4	475	0.037	18	0.0	0.0	7.870	A
C-D	8	2			8				
C-A	28	7			28				
C-B	12	3			12				
CD-AB	12	3	599	0.020	12	0.0	0.0	6.131	A
CD-A	30	7			30				

09:15 - 09:30

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-ACD	49	12	612	0.081	50	0.1	0.1	6.399	A
A-B	2	0.45			2				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	611	0.001	0.90	0.0	0.0	5.901	A
AB-C	52	13			52				
D-ABC	14	4	479	0.030	14	0.0	0.0	7.760	A
C-D	6	2			6				
C-A	22	6			22				
C-B	10	2			10				
CD-AB	10	2	600	0.017	10	0.0	0.0	6.105	A
CD-A	24	6			24				

09:30 - 09:45

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-ACD	41	10	613	0.068	41	0.1	0.1	6.301	A
A-B	2	0.38			2				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	613	0.001	0.75	0.0	0.0	5.883	A
AB-C	44	11			44				
D-ABC	12	3	481	0.025	12	0.0	0.0	7.681	A
C-D	5	1			5				
C-A	19	5			19				
C-B	8	2			8				
CD-AB	8	2	600	0.014	8	0.0	0.0	6.083	A
CD-A	20	5			20				

2025 With Development, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		1.65	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2025 With Development	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	65	100.000
B		ONE HOUR	✓	31	100.000
C		ONE HOUR	✓	61	100.000
D		ONE HOUR	✓	4	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	19	43	3
	B	5	0	26	0
	C	11	37	0	13
	D	1	0	3	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.06	6.30	0.1	A	28	43
A-B					17	26
A-C					39	59
A-D					3	4
AB-CD	0.01	5.99	0.0	A	3	4
AB-C					63	95
D-ABC	0.00	0.00	0.0	A	0	0
C-D					12	18
C-A					10	15
C-B					34	51
CD-AB	0.07	6.59	0.1	A	34	51
CD-A					10	15

Main Results for each time segment

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-ACD	23	6	611	0.038	23	0.0	0.0	6.121	A
A-B	14	4			14				
A-C	32	8			32				
A-D	2	0.56			2				
AB-CD	2	0.56	609	0.004	2	0.0	0.0	5.928	A
AB-C	52	13			52				
D-ABC	0	0	526	0.000	0	0.0	0.0	0.000	A
C-D	10	2			10				
C-A	8	2			8				
C-B	28	7			28				
CD-AB	28	7	592	0.047	28	0.0	0.0	6.379	A
CD-A	8	2			8				

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-ACD	28	7	609	0.046	28	0.0	0.0	6.197	A
A-B	17	4			17				
A-C	39	10			39				
A-D	3	0.67			3				
AB-CD	3	0.67	607	0.004	3	0.0	0.0	5.952	A
AB-C	62	16			62				
D-ABC	0	0	524	0.000	0	0.0	0.0	0.000	A
C-D	12	3			12				
C-A	10	2			10				
C-B	33	8			33				
CD-AB	33	8	590	0.056	33	0.0	0.1	6.467	A
CD-A	10	2			10				

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-ACD	34	9	605	0.056	34	0.0	0.1	6.302	A
A-B	21	5			21				
A-C	47	12			47				
A-D	3	0.83			3				
AB-CD	3	0.83	605	0.005	3	0.0	0.0	5.986	A
AB-C	76	19			76				
D-ABC	0	0	520	0.000	0	0.0	0.0	0.000	A
C-D	14	4			14				
C-A	12	3			12				
C-B	41	10			41				
CD-AB	41	10	587	0.069	41	0.1	0.1	6.589	A
CD-A	12	3			12				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	34	9	605	0.056	34	0.1	0.1	6.302	A
A-B	21	5			21				
A-C	47	12			47				
A-D	3	0.83			3				
AB-CD	3	0.83	605	0.005	3	0.0	0.0	5.986	A
AB-C	76	19			76				
D-ABC	0	0	520	0.000	0	0.0	0.0	0.000	A
C-D	14	4			14				
C-A	12	3			12				
C-B	41	10			41				
CD-AB	41	10	587	0.069	41	0.1	0.1	6.589	A
CD-A	12	3			12				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	28	7	609	0.046	28	0.1	0.0	6.198	A
A-B	17	4			17				
A-C	39	10			39				
A-D	3	0.67			3				
AB-CD	3	0.67	607	0.004	3	0.0	0.0	5.955	A
AB-C	62	16			62				
D-ABC	0	0	524	0.000	0	0.0	0.0	0.000	A
C-D	12	3			12				
C-A	10	2			10				
C-B	33	8			33				
CD-AB	33	8	590	0.056	33	0.1	0.1	6.469	A
CD-A	10	2			10				

18:15 - 18:30

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-ACD	23	6	611	0.038	23	0.0	0.0	6.124	A
A-B	14	4			14				
A-C	32	8			32				
A-D	2	0.56			2				
AB-CD	2	0.56	609	0.004	2	0.0	0.0	5.930	A
AB-C	52	13			52				
D-ABC	0	0	526	0.000	0	0.0	0.0	0.000	A
C-D	10	2			10				
C-A	8	2			8				
C-B	28	7			28				
CD-AB	28	7	592	0.047	28	0.1	0.0	6.385	A
CD-A	8	2			8				

2030 With Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		2.43	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2030 With Development	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	17	100.000
B		ONE HOUR	✓	55	100.000
C		ONE HOUR	✓	44	100.000
D		ONE HOUR	✓	16	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	2	14	1
	B	11	0	44	0
	C	26	11	0	7
	D	2	0	14	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.10	6.54	0.1	A	50	76
A-B					2	3
A-C					13	19
A-D					0.92	1
AB-CD	0.00	5.92	0.0	A	0.92	1
AB-C					53	80
D-ABC	0.04	7.87	0.0	A	15	22
C-D					6	10
C-A					24	36
C-B					10	15
CD-AB	0.02	6.13	0.0	A	10	15
CD-A					26	39

Main Results for each time segment

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-ACD	41	10	613	0.068	41	0.0	0.1	6.292	A
A-B	2	0.38			2				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	612	0.001	0.75	0.0	0.0	5.885	A
AB-C	43	11			43				
D-ABC	12	3	481	0.025	12	0.0	0.0	7.679	A
C-D	5	1			5				
C-A	20	5			20				
C-B	8	2			8				
CD-AB	8	2	600	0.014	8	0.0	0.0	6.081	A
CD-A	21	5			21				

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-ACD	49	12	612	0.081	49	0.1	0.1	6.398	A
A-B	2	0.45			2				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	611	0.001	0.90	0.0	0.0	5.901	A
AB-C	52	13			52				
D-ABC	14	4	479	0.030	14	0.0	0.0	7.762	A
C-D	6	2			6				
C-A	23	6			23				
C-B	10	2			10				
CD-AB	10	2	600	0.017	10	0.0	0.0	6.102	A
CD-A	25	6			25				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	61	15	611	0.099	60	0.1	0.1	6.542	A
A-B	2	0.55			2				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	609	0.002	1	0.0	0.0	5.923	A
AB-C	64	16			64				
D-ABC	18	4	475	0.037	18	0.0	0.0	7.874	A
C-D	8	2			8				
C-A	29	7			29				
C-B	12	3			12				
CD-AB	12	3	599	0.020	12	0.0	0.0	6.131	A
CD-A	31	8			31				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	61	15	611	0.099	61	0.1	0.1	6.542	A
A-B	2	0.55			2				
A-C	15	4			15				
A-D	1	0.28			1				
AB-CD	1	0.28	609	0.002	1	0.0	0.0	5.923	A
AB-C	64	16			64				
D-ABC	18	4	475	0.037	18	0.0	0.0	7.874	A
C-D	8	2			8				
C-A	29	7			29				
C-B	12	3			12				
CD-AB	12	3	599	0.020	12	0.0	0.0	6.131	A
CD-A	31	8			31				

09:15 - 09:30

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-ACD	49	12	612	0.081	50	0.1	0.1	6.400	A
A-B	2	0.45			2				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	611	0.001	0.90	0.0	0.0	5.901	A
AB-C	52	13			52				
D-ABC	14	4	479	0.030	14	0.0	0.0	7.763	A
C-D	6	2			6				
C-A	23	6			23				
C-B	10	2			10				
CD-AB	10	2	600	0.017	10	0.0	0.0	6.102	A
CD-A	25	6			25				

09:30 - 09:45

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-ACD	41	10	613	0.068	41	0.1	0.1	6.299	A
A-B	2	0.38			2				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	612	0.001	0.75	0.0	0.0	5.887	A
AB-C	44	11			44				
D-ABC	12	3	481	0.025	12	0.0	0.0	7.685	A
C-D	5	1			5				
C-A	20	5			20				
C-B	8	2			8				
CD-AB	8	2	600	0.014	8	0.0	0.0	6.081	A
CD-A	21	5			21				

2030 With Development, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		1.73	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2030 With Development	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	68	100.000
B		ONE HOUR	✓	31	100.000
C		ONE HOUR	✓	62	100.000
D		ONE HOUR	✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	19	45	4
	B	5	0	26	0
	C	12	37	0	13
	D	1	0	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.06	6.31	0.1	A	28	43
A-B					17	26
A-C					41	62
A-D					4	6
AB-CD	0.01	6.00	0.0	A	4	6
AB-C					65	98
D-ABC	0.01	7.62	0.0	A	5	7
C-D					12	18
C-A					11	17
C-B					34	51
CD-AB	0.07	6.60	0.1	A	34	51
CD-A					12	18

Main Results for each time segment

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-ACD	23	6	611	0.038	23	0.0	0.0	6.127	A
A-B	14	4			14				
A-C	34	8			34				
A-D	3	0.75			3				
AB-CD	3	0.75	609	0.005	3	0.0	0.0	5.936	A
AB-C	53	13			53				
D-ABC	4	0.94	486	0.008	4	0.0	0.0	7.473	A
C-D	10	2			10				
C-A	9	2			9				
C-B	28	7			28				
CD-AB	28	7	591	0.047	28	0.0	0.0	6.384	A
CD-A	10	2			10				

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-ACD	28	7	608	0.046	28	0.0	0.0	6.205	A
A-B	17	4			17				
A-C	40	10			40				
A-D	4	0.90			4				
AB-CD	4	0.90	607	0.006	4	0.0	0.0	5.962	A
AB-C	64	16			64				
D-ABC	4	1	483	0.009	4	0.0	0.0	7.535	A
C-D	12	3			12				
C-A	11	3			11				
C-B	33	8			33				
CD-AB	33	8	589	0.057	33	0.0	0.1	6.474	A
CD-A	12	3			12				

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-ACD	34	9	604	0.056	34	0.0	0.1	6.312	A
A-B	21	5			21				
A-C	50	12			50				
A-D	4	1			4				
AB-CD	4	1	604	0.007	4	0.0	0.0	5.998	A
AB-C	78	20			78				
D-ABC	6	1	478	0.012	5	0.0	0.0	7.622	A
C-D	14	4			14				
C-A	13	3			13				
C-B	41	10			41				
CD-AB	41	10	586	0.070	41	0.1	0.1	6.597	A
CD-A	14	4			14				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	34	9	604	0.056	34	0.1	0.1	6.312	A
A-B	21	5			21				
A-C	50	12			50				
A-D	4	1			4				
AB-CD	4	1	604	0.007	4	0.0	0.0	5.998	A
AB-C	78	20			78				
D-ABC	6	1	478	0.012	6	0.0	0.0	7.622	A
C-D	14	4			14				
C-A	13	3			13				
C-B	41	10			41				
CD-AB	41	10	586	0.070	41	0.1	0.1	6.597	A
CD-A	14	4			14				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	28	7	608	0.046	28	0.1	0.0	6.206	A
A-B	17	4			17				
A-C	40	10			40				
A-D	4	0.90			4				
AB-CD	4	0.90	607	0.006	4	0.0	0.0	5.962	A
AB-C	64	16			64				
D-ABC	4	1	483	0.009	5	0.0	0.0	7.538	A
C-D	12	3			12				
C-A	11	3			11				
C-B	33	8			33				
CD-AB	33	8	589	0.057	33	0.1	0.1	6.475	A
CD-A	12	3			12				

18:15 - 18:30

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-ACD	23	6	611	0.038	23	0.0	0.0	6.130	A
A-B	14	4			14				
A-C	34	8			34				
A-D	3	0.75			3				
AB-CD	3	0.75	609	0.005	3	0.0	0.0	5.939	A
AB-C	53	13			53				
D-ABC	4	0.94	486	0.008	4	0.0	0.0	7.474	A
C-D	10	2			10				
C-A	9	2			9				
C-B	28	7			28				
CD-AB	28	7	591	0.047	28	0.1	0.0	6.388	A
CD-A	10	2			10				

2035 With Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		2.42	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D13	2035 With Development	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	18	100.000
B		ONE HOUR	✓	55	100.000
C		ONE HOUR	✓	45	100.000
D		ONE HOUR	✓	17	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	2	15	1
	B	11	0	44	0
	C	27	11	0	7
	D	2	0	15	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.10	6.55	0.1	A	50	76
A-B					2	3
A-C					14	21
A-D					0.92	1
AB-CD	0.00	5.93	0.0	A	0.92	1
AB-C					54	81
D-ABC	0.04	7.92	0.0	A	16	23
C-D					6	10
C-A					25	37
C-B					10	15
CD-AB	0.02	6.13	0.0	A	10	15
CD-A					27	40

Main Results for each time segment

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-ACD	41	10	613	0.068	41	0.0	0.1	6.295	A
A-B	2	0.38			2				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	612	0.001	0.75	0.0	0.0	5.886	A
AB-C	44	11			44				
D-ABC	13	3	480	0.027	13	0.0	0.0	7.710	A
C-D	5	1			5				
C-A	20	5			20				
C-B	8	2			8				
CD-AB	8	2	600	0.014	8	0.0	0.0	6.082	A
CD-A	22	5			22				

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-ACD	49	12	612	0.081	49	0.1	0.1	6.401	A
A-B	2	0.45			2				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	611	0.001	0.90	0.0	0.0	5.903	A
AB-C	53	13			53				
D-ABC	15	4	477	0.032	15	0.0	0.0	7.797	A
C-D	6	2			6				
C-A	24	6			24				
C-B	10	2			10				
CD-AB	10	2	600	0.017	10	0.0	0.0	6.104	A
CD-A	26	7			26				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	61	15	610	0.099	60	0.1	0.1	6.545	A
A-B	2	0.55			2				
A-C	17	4			17				
A-D	1	0.28			1				
AB-CD	1	0.28	609	0.002	1	0.0	0.0	5.926	A
AB-C	65	16			65				
D-ABC	19	5	474	0.040	19	0.0	0.0	7.915	A
C-D	8	2			8				
C-A	30	7			30				
C-B	12	3			12				
CD-AB	12	3	599	0.020	12	0.0	0.0	6.134	A
CD-A	32	8			32				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	61	15	610	0.099	61	0.1	0.1	6.545	A
A-B	2	0.55			2				
A-C	17	4			17				
A-D	1	0.28			1				
AB-CD	1	0.28	609	0.002	1	0.0	0.0	5.926	A
AB-C	65	16			65				
D-ABC	19	5	474	0.040	19	0.0	0.0	7.915	A
C-D	8	2			8				
C-A	30	7			30				
C-B	12	3			12				
CD-AB	12	3	599	0.020	12	0.0	0.0	6.134	A
CD-A	32	8			32				

09:15 - 09:30

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-ACD	49	12	612	0.081	50	0.1	0.1	6.405	A
A-B	2	0.45			2				
A-C	13	3			13				
A-D	0.90	0.22			0.90				
AB-CD	0.90	0.22	611	0.001	0.90	0.0	0.0	5.905	A
AB-C	53	13			53				
D-ABC	15	4	477	0.032	15	0.0	0.0	7.800	A
C-D	6	2			6				
C-A	24	6			24				
C-B	10	2			10				
CD-AB	10	2	600	0.017	10	0.0	0.0	6.107	A
CD-A	26	7			26				

09:30 - 09:45

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-ACD	41	10	613	0.068	41	0.1	0.1	6.304	A
A-B	2	0.38			2				
A-C	11	3			11				
A-D	0.75	0.19			0.75				
AB-CD	0.75	0.19	612	0.001	0.75	0.0	0.0	5.889	A
AB-C	44	11			44				
D-ABC	13	3	480	0.027	13	0.0	0.0	7.715	A
C-D	5	1			5				
C-A	20	5			20				
C-B	8	2			8				
CD-AB	8	2	600	0.014	8	0.0	0.0	6.085	A
CD-A	22	5			22				

2035 With Development, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Left-Right Stagger	Two-way		1.70	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D14	2035 With Development	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	70	100.000
B		ONE HOUR	✓	31	100.000
C		ONE HOUR	✓	63	100.000
D		ONE HOUR	✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
	A	B	C	D	
From	A	0	19	47	4
	B	5	0	26	0
	C	12	37	0	14
	D	1	0	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	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-ACD	0.06	6.32	0.1	A	28	43
A-B					17	26
A-C					43	65
A-D					4	6
AB-CD	0.01	6.00	0.0	A	4	6
AB-C					67	100
D-ABC	0.01	7.63	0.0	A	5	7
C-D					13	19
C-A					11	17
C-B					34	51
CD-AB	0.07	6.60	0.1	A	34	51
CD-A					12	18

Main Results for each time segment

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-ACD	23	6	610	0.038	23	0.0	0.0	6.131	A
A-B	14	4			14				
A-C	35	9			35				
A-D	3	0.75			3				
AB-CD	3	0.75	609	0.005	3	0.0	0.0	5.938	A
AB-C	55	14			55				
D-ABC	4	0.94	486	0.008	4	0.0	0.0	7.477	A
C-D	11	3			11				
C-A	9	2			9				
C-B	28	7			28				
CD-AB	28	7	591	0.047	28	0.0	0.0	6.388	A
CD-A	10	2			10				

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-ACD	28	7	607	0.046	28	0.0	0.0	6.210	A
A-B	17	4			17				
A-C	42	11			42				
A-D	4	0.90			4				
AB-CD	4	0.90	607	0.006	4	0.0	0.0	5.964	A
AB-C	66	16			66				
D-ABC	4	1	482	0.009	4	0.0	0.0	7.540	A
C-D	13	3			13				
C-A	11	3			11				
C-B	33	8			33				
CD-AB	33	8	589	0.057	33	0.0	0.1	6.478	A
CD-A	12	3			12				

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-ACD	34	9	604	0.057	34	0.0	0.1	6.318	A
A-B	21	5			21				
A-C	52	13			52				
A-D	4	1			4				
AB-CD	4	1	604	0.007	4	0.0	0.0	6.001	A
AB-C	80	20			80				
D-ABC	6	1	478	0.012	5	0.0	0.0	7.628	A
C-D	15	4			15				
C-A	13	3			13				
C-B	41	10			41				
CD-AB	41	10	586	0.070	41	0.1	0.1	6.603	A
CD-A	14	4			14				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	34	9	604	0.057	34	0.1	0.1	6.319	A
A-B	21	5			21				
A-C	52	13			52				
A-D	4	1			4				
AB-CD	4	1	604	0.007	4	0.0	0.0	6.001	A
AB-C	80	20			80				
D-ABC	6	1	478	0.012	6	0.0	0.0	7.628	A
C-D	15	4			15				
C-A	13	3			13				
C-B	41	10			41				
CD-AB	41	10	586	0.070	41	0.1	0.1	6.603	A
CD-A	14	4			14				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	28	7	607	0.046	28	0.1	0.0	6.213	A
A-B	17	4			17				
A-C	42	11			42				
A-D	4	0.90			4				
AB-CD	4	0.90	607	0.006	4	0.0	0.0	5.967	A
AB-C	66	16			66				
D-ABC	4	1	482	0.009	5	0.0	0.0	7.543	A
C-D	13	3			13				
C-A	11	3			11				
C-B	33	8			33				
CD-AB	33	8	589	0.057	33	0.1	0.1	6.480	A
CD-A	12	3			12				

18:15 - 18:30

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-ACD	23	6	610	0.038	23	0.0	0.0	6.134	A
A-B	14	4			14				
A-C	35	9			35				
A-D	3	0.75			3				
AB-CD	3	0.75	609	0.005	3	0.0	0.0	5.940	A
AB-C	55	14			55				
D-ABC	4	0.94	486	0.008	4	0.0	0.0	7.480	A
C-D	11	3			11				
C-A	9	2			9				
C-B	28	7			28				
CD-AB	28	7	591	0.047	28	0.1	0.0	6.392	A
CD-A	10	2			10				

APPENDIX 5

PICADY Output B5445 Chester Road/Hillock Lane

Junctions 9	
PICADY 9 - Priority Intersection Module	
Version: 9.5.1.7462 © Copyright TRL Limited, 2019	
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Filename: B5445 Chester Road - Hillock Lane March 2020.j9
Path: Z:\projects\1856 Hillock Lane, Gresford\Picady\March 2020
Report generation date: 22/04/2020 09:54:32

-
- »Factored 2019/2020 Surveyed Flows, AM
 - »Factored 2019/2020 Surveyed Flows, PM
 - »2025 Growthed Flows, AM
 - »2025 Growthed Flows, PM
 - »2030 Growthed Flows, AM
 - »2030 Growthed Flows, PM
 - »2035 Growthed Flows , AM
 - »2035 Growthed Flows , PM
 - »2025 With Development, AM
 - »2025 With Development, PM
 - »2030 With Development, AM
 - »2030 With Development, PM
 - »2035 With Development, AM
 - »2035 With Development, PM

Summary of junction performance

	AM			PM		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Factored 2019/2020 Surveyed Flows						
Stream B-AC	0.3	10.28	0.24	0.2	8.15	0.14
Stream C-AB	0.0	6.62	0.04	0.1	6.74	0.08
2025 Growthed Flows						
Stream B-AC	0.3	10.65	0.26	0.2	8.32	0.15
Stream C-AB	0.0	6.67	0.04	0.1	6.81	0.09
2030 Growthed Flows						
Stream B-AC	0.4	10.92	0.27	0.2	8.46	0.15
Stream C-AB	0.0	6.71	0.04	0.1	6.85	0.09
2035 Growthed Flows						
Stream B-AC	0.4	11.29	0.29	0.2	8.61	0.16
Stream C-AB	0.0	6.75	0.04	0.1	6.89	0.09
2025 With Development						
Stream B-AC	0.6	12.48	0.37	0.3	9.00	0.20
Stream C-AB	0.1	6.72	0.05	0.2	7.05	0.13
2030 With Development						
Stream B-AC	0.6	12.87	0.38	0.3	9.17	0.21
Stream C-AB	0.1	6.76	0.05	0.2	7.10	0.13
2035 With Development						
Stream B-AC	0.6	13.39	0.40	0.3	9.34	0.22
Stream C-AB	0.1	6.81	0.05	0.2	7.14	0.13

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

File summary

File Description

Title	B5445 Chester Road - Hillock Lane
Location	Gresford
Site number	
Date	24/07/2019
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	1856
Enumerator	EDD\Sam.McLoughlin
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

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Factored 2019/2020 Surveyed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D2	Factored 2019/2020 Surveyed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D3	2025 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D4	2025 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D5	2030 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D6	2030 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D7	2035 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D8	2035 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D9	2025 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D10	2025 With Development	PM	ONE HOUR	17:00	18:30	15	✓
D11	2030 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D12	2030 With Development	PM	ONE HOUR	17:00	18:30	15	✓
D13	2035 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D14	2035 With Development	PM	ONE HOUR	17:00	18:30	15	✓

Analysis Set Details

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

Factored 2019/2020 Surveyed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.79	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	B5445 Chester Road (E)		Major
B	Hillock Lane		Minor
C	B5445 Chester Road (W)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.80			100.0	✓	1.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.40	16	15

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	510	0.090	0.227	0.143	0.324
B-C	659	0.097	0.246	-	-
C-B	632	0.236	0.236	-	-

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	Factored 2019/2020 Surveyed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	294	100.000
B		ONE HOUR	✓	102	100.000
C		ONE HOUR	✓	265	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	28	266
	B	56	0	46
	C	245	20	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	0
	B	0	0	0
	C	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	0.24	10.28	0.3	B	94	140
C-AB	0.04	6.62	0.0	A	19	28
C-A					225	337
A-B					26	39
A-C					244	366

Main Results for each time segment

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	77	19	496	0.155	76	0.0	0.2	8.553	A
C-AB	15	4	584	0.026	15	0.0	0.0	6.324	A
C-A	184	46			184				
A-B	21	5			21				
A-C	200	50			200				

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	92	23	482	0.190	91	0.2	0.2	9.211	A
C-AB	18	5	576	0.032	18	0.0	0.0	6.448	A
C-A	220	55			220				
A-B	25	6			25				
A-C	239	60			239				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	112	28	462	0.243	112	0.2	0.3	10.259	B
C-AB	22	6	566	0.040	22	0.0	0.0	6.621	A
C-A	269	67			269				
A-B	31	8			31				
A-C	293	73			293				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	112	28	462	0.243	112	0.3	0.3	10.280	B
C-AB	22	6	566	0.040	22	0.0	0.0	6.624	A
C-A	269	67			269				
A-B	31	8			31				
A-C	293	73			293				

09:15 - 09:30

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	92	23	482	0.190	92	0.3	0.2	9.236	A
C-AB	18	5	576	0.032	18	0.0	0.0	6.449	A
C-A	220	55			220				
A-B	25	6			25				
A-C	239	60			239				

09:30 - 09:45

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	77	19	496	0.155	77	0.2	0.2	8.591	A
C-AB	15	4	584	0.026	15	0.0	0.0	6.327	A
C-A	184	46			184				
A-B	21	5			21				
A-C	200	50			200				

Factored 2019/2020 Surveyed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.38	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Factored 2019/2020 Surveyed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	269	100.000
B		ONE HOUR	✓	64	100.000
C		ONE HOUR	✓	249	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	37	232
	B	21	0	43
	C	208	41	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	8.15	0.2	A	59	88
C-AB	0.08	6.74	0.1	A	39	58
C-A					190	285
A-B					34	51
A-C					213	319

Main Results for each time segment

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	48	12	541	0.089	48	0.0	0.1	7.304	A
C-AB	31	8	592	0.053	31	0.0	0.1	6.410	A
C-A	156	39			156				
A-B	28	7			28				
A-C	175	44			175				

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	58	14	529	0.109	57	0.1	0.1	7.637	A
C-AB	38	9	587	0.064	38	0.1	0.1	6.555	A
C-A	186	47			186				
A-B	33	8			33				
A-C	209	52			209				

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	70	18	512	0.138	70	0.1	0.2	8.150	A
C-AB	47	12	580	0.080	47	0.1	0.1	6.745	A
C-A	228	57			228				
A-B	41	10			41				
A-C	255	64			255				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	70	18	512	0.138	70	0.2	0.2	8.155	A
C-AB	47	12	580	0.080	47	0.1	0.1	6.745	A
C-A	228	57			228				
A-B	41	10			41				
A-C	255	64			255				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	58	14	529	0.109	58	0.2	0.1	7.648	A
C-AB	38	9	587	0.064	38	0.1	0.1	6.560	A
C-A	186	47			186				
A-B	33	8			33				
A-C	209	52			209				

18:15 - 18:30

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	48	12	541	0.089	48	0.1	0.1	7.315	A
C-AB	31	8	592	0.053	31	0.1	0.1	6.420	A
C-A	156	39			156				
A-B	28	7			28				
A-C	175	44			175				

2025 Growthed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.84	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2025 Growthed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	311	100.000
B		ONE HOUR	✓	107	100.000
C		ONE HOUR	✓	280	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	30	281
	B	59	0	48
	C	259	21	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	0.26	10.65	0.3	B	98	147
C-AB	0.04	6.67	0.0	A	20	29
C-A					237	356
A-B					28	41
A-C					258	387

Main Results for each time segment

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	81	20	492	0.164	80	0.0	0.2	8.722	A
C-AB	16	4	582	0.027	16	0.0	0.0	6.357	A
C-A	195	49			195				
A-B	23	6			23				
A-C	212	53			212				

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	96	24	477	0.202	96	0.2	0.2	9.447	A
C-AB	19	5	574	0.033	19	0.0	0.0	6.492	A
C-A	233	58			233				
A-B	27	7			27				
A-C	253	63			253				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	118	29	456	0.258	117	0.2	0.3	10.623	B
C-AB	24	6	563	0.042	24	0.0	0.0	6.674	A
C-A	285	71			285				
A-B	33	8			33				
A-C	309	77			309				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	118	29	456	0.258	118	0.3	0.3	10.646	B
C-AB	24	6	563	0.042	24	0.0	0.0	6.674	A
C-A	285	71			285				
A-B	33	8			33				
A-C	309	77			309				

09:15 - 09:30

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	96	24	477	0.202	97	0.3	0.3	9.479	A
C-AB	19	5	574	0.033	19	0.0	0.0	6.493	A
C-A	233	58			233				
A-B	27	7			27				
A-C	253	63			253				

09:30 - 09:45

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	81	20	492	0.164	81	0.3	0.2	8.767	A
C-AB	16	4	582	0.027	16	0.0	0.0	6.361	A
C-A	195	49			195				
A-B	23	6			23				
A-C	212	53			212				

2025 Growthed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.41	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2025 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	284	100.000
B		ONE HOUR	✓	67	100.000
C		ONE HOUR	✓	264	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	39	245
	B	22	0	45
	C	220	44	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	0.15	8.32	0.2	A	61	92
C-AB	0.09	6.81	0.1	A	41	62
C-A					201	301
A-B					36	54
A-C					225	337

Main Results for each time segment

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	13	537	0.094	50	0.0	0.1	7.385	A
C-AB	34	8	591	0.057	33	0.0	0.1	6.456	A
C-A	165	41			165				
A-B	29	7			29				
A-C	184	46			184				

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	60	15	524	0.115	60	0.1	0.1	7.753	A
C-AB	41	10	585	0.069	40	0.1	0.1	6.608	A
C-A	197	49			197				
A-B	35	9			35				
A-C	220	55			220				

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	74	18	507	0.146	74	0.1	0.2	8.313	A
C-AB	50	13	579	0.087	50	0.1	0.1	6.807	A
C-A	240	60			240				
A-B	43	11			43				
A-C	270	67			270				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	74	18	507	0.146	74	0.2	0.2	8.318	A
C-AB	50	13	579	0.087	50	0.1	0.1	6.810	A
C-A	240	60			240				
A-B	43	11			43				
A-C	270	67			270				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	524	0.115	60	0.2	0.1	7.762	A
C-AB	41	10	585	0.069	41	0.1	0.1	6.610	A
C-A	197	49			197				
A-B	35	9			35				
A-C	220	55			220				

18:15 - 18:30

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	50	13	537	0.094	51	0.1	0.1	7.400	A
C-AB	34	8	591	0.057	34	0.1	0.1	6.465	A
C-A	165	41			165				
A-B	29	7			29				
A-C	184	46			184				

2030 Growthed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.88	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2030 Growthed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	323	100.000
B		ONE HOUR	✓	111	100.000
C		ONE HOUR	✓	291	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	31	292
	B	61	0	50
	C	269	22	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	10.92	0.4	B	102	153
C-AB	0.04	6.71	0.0	A	21	31
C-A					246	370
A-B					28	43
A-C					268	402

Main Results for each time segment

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	84	21	489	0.171	83	0.0	0.2	8.843	A
C-AB	17	4	580	0.029	17	0.0	0.0	6.385	A
C-A	202	51			202				
A-B	23	6			23				
A-C	220	55			220				

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	100	25	473	0.211	100	0.2	0.3	9.622	A
C-AB	20	5	572	0.035	20	0.0	0.0	6.524	A
C-A	242	60			242				
A-B	28	7			28				
A-C	263	66			263				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	122	31	452	0.271	122	0.3	0.4	10.897	B
C-AB	25	6	561	0.044	25	0.0	0.0	6.714	A
C-A	296	74			296				
A-B	34	9			34				
A-C	321	80			321				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	122	31	452	0.271	122	0.4	0.4	10.923	B
C-AB	25	6	561	0.044	25	0.0	0.0	6.714	A
C-A	296	74			296				
A-B	34	9			34				
A-C	321	80			321				

09:15 - 09:30

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	100	25	473	0.211	100	0.4	0.3	9.654	A
C-AB	20	5	572	0.035	20	0.0	0.0	6.525	A
C-A	242	60			242				
A-B	28	7			28				
A-C	263	66			263				

09:30 - 09:45

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	84	21	489	0.171	84	0.3	0.2	8.890	A
C-AB	17	4	580	0.029	17	0.0	0.0	6.388	A
C-A	202	51			202				
A-B	23	6			23				
A-C	220	55			220				

2030 Growthed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.42	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2030 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	296	100.000
B		ONE HOUR	✓	70	100.000
C		ONE HOUR	✓	274	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	41	255
	B	23	0	47
	C	229	45	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	0.15	8.46	0.2	A	64	96
C-AB	0.09	6.85	0.1	A	43	64
C-A					209	313
A-B					38	56
A-C					234	351

Main Results for each time segment

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	53	13	534	0.099	52	0.0	0.1	7.460	A
C-AB	34	9	589	0.058	34	0.0	0.1	6.482	A
C-A	172	43			172				
A-B	31	8			31				
A-C	192	48			192				

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	63	16	521	0.121	63	0.1	0.1	7.853	A
C-AB	41	10	584	0.071	41	0.1	0.1	6.639	A
C-A	205	51			205				
A-B	37	9			37				
A-C	229	57			229				

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	77	19	503	0.153	77	0.1	0.2	8.453	A
C-AB	52	13	577	0.089	51	0.1	0.1	6.845	A
C-A	250	63			250				
A-B	45	11			45				
A-C	281	70			281				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	503	0.153	77	0.2	0.2	8.459	A
C-AB	52	13	577	0.089	52	0.1	0.1	6.848	A
C-A	250	63			250				
A-B	45	11			45				
A-C	281	70			281				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	521	0.121	63	0.2	0.1	7.864	A
C-AB	41	10	584	0.071	42	0.1	0.1	6.644	A
C-A	205	51			205				
A-B	37	9			37				
A-C	229	57			229				

18:15 - 18:30

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	53	13	534	0.099	53	0.1	0.1	7.476	A
C-AB	34	9	589	0.058	35	0.1	0.1	6.491	A
C-A	172	43			172				
A-B	31	8			31				
A-C	192	48			192				

2035 Growthed Flows , AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.93	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2035 Growthed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	336	100.000
B		ONE HOUR	✓	116	100.000
C		ONE HOUR	✓	303	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	32	304
	B	64	0	52
	C	281	22	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	0
	B	0	0	0
	C	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	0.29	11.29	0.4	B	106	160
C-AB	0.04	6.75	0.0	A	21	31
C-A					257	386
A-B					29	44
A-C					279	418

Main Results for each time segment

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	87	22	485	0.180	86	0.0	0.2	9.004	A
C-AB	17	4	578	0.029	17	0.0	0.0	6.408	A
C-A	211	53			211				
A-B	24	6			24				
A-C	229	57			229				

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	104	26	469	0.222	104	0.2	0.3	9.849	A
C-AB	20	5	569	0.035	20	0.0	0.0	6.552	A
C-A	252	63			252				
A-B	29	7			29				
A-C	273	68			273				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	128	32	447	0.286	127	0.3	0.4	11.255	B
C-AB	25	6	558	0.044	25	0.0	0.0	6.748	A
C-A	309	77			309				
A-B	35	9			35				
A-C	335	84			335				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	128	32	447	0.286	128	0.4	0.4	11.286	B
C-AB	25	6	558	0.044	25	0.0	0.0	6.751	A
C-A	309	77			309				
A-B	35	9			35				
A-C	335	84			335				

09:15 - 09:30

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	104	26	469	0.222	105	0.4	0.3	9.886	A
C-AB	20	5	569	0.035	20	0.0	0.0	6.556	A
C-A	252	63			252				
A-B	29	7			29				
A-C	273	68			273				

09:30 - 09:45

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	87	22	485	0.180	88	0.3	0.2	9.054	A
C-AB	17	4	578	0.029	17	0.0	0.0	6.411	A
C-A	211	53			211				
A-B	24	6			24				
A-C	229	57			229				

2035 Growthed Flows , PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.45	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2035 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	307	100.000
B		ONE HOUR	✓	73	100.000
C		ONE HOUR	✓	285	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	42	265
	B	24	0	49
	C	238	47	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	8.61	0.2	A	67	100
C-AB	0.09	6.89	0.1	A	45	67
C-A					217	326
A-B					39	58
A-C					243	365

Main Results for each time segment

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	55	14	532	0.103	55	0.0	0.1	7.537	A
C-AB	36	9	588	0.061	36	0.0	0.1	6.513	A
C-A	179	45			179				
A-B	32	8			32				
A-C	200	50			200				

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	66	16	518	0.127	66	0.1	0.1	7.956	A
C-AB	43	11	583	0.075	43	0.1	0.1	6.676	A
C-A	213	53			213				
A-B	38	9			38				
A-C	238	60			238				

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	80	20	499	0.161	80	0.1	0.2	8.601	A
C-AB	54	14	577	0.094	54	0.1	0.1	6.889	A
C-A	260	65			260				
A-B	46	12			46				
A-C	292	73			292				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	80	20	499	0.161	80	0.2	0.2	8.608	A
C-AB	54	14	577	0.094	54	0.1	0.1	6.889	A
C-A	260	65			260				
A-B	46	12			46				
A-C	292	73			292				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	66	16	518	0.127	66	0.2	0.1	7.967	A
C-AB	43	11	583	0.075	44	0.1	0.1	6.681	A
C-A	213	53			213				
A-B	38	9			38				
A-C	238	60			238				

18:15 - 18:30

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	55	14	532	0.103	55	0.1	0.1	7.554	A
C-AB	36	9	588	0.061	36	0.1	0.1	6.520	A
C-A	179	45			179				
A-B	32	8			32				
A-C	200	50			200				

2025 With Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.73	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2025 With Development	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	317	100.000
B		ONE HOUR	✓	151	100.000
C		ONE HOUR	✓	284	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	36	281
	B	83	0	68
	C	259	25	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	0.37	12.48	0.6	B	139	208
C-AB	0.05	6.72	0.1	A	23	35
C-A					237	356
A-B					33	50
A-C					258	387

Main Results for each time segment

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	114	28	491	0.232	112	0.0	0.3	9.485	A
C-AB	19	5	582	0.033	19	0.0	0.0	6.393	A
C-A	195	49			195				
A-B	27	7			27				
A-C	212	53			212				

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	136	34	476	0.285	135	0.3	0.4	10.566	B
C-AB	23	6	574	0.040	23	0.0	0.0	6.533	A
C-A	232	58			232				
A-B	32	8			32				
A-C	253	63			253				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	166	42	455	0.366	166	0.4	0.6	12.428	B
C-AB	28	7	564	0.050	28	0.0	0.1	6.722	A
C-A	284	71			284				
A-B	40	10			40				
A-C	309	77			309				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	166	42	455	0.366	166	0.6	0.6	12.485	B
C-AB	28	7	564	0.050	28	0.1	0.1	6.722	A
C-A	284	71			284				
A-B	40	10			40				
A-C	309	77			309				

09:15 - 09:30

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	136	34	476	0.285	136	0.6	0.4	10.633	B
C-AB	23	6	574	0.040	23	0.1	0.0	6.534	A
C-A	232	58			232				
A-B	32	8			32				
A-C	253	63			253				

09:30 - 09:45

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	114	28	491	0.232	114	0.4	0.3	9.566	A
C-AB	19	5	582	0.033	19	0.0	0.0	6.396	A
C-A	195	49			195				
A-B	27	7			27				
A-C	212	53			212				

2025 With Development, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.91	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2025 With Development	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	301	100.000
B		ONE HOUR	✓	92	100.000
C		ONE HOUR	✓	283	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	56	245
	B	30	0	62
	C	220	63	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	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	0.20	9.00	0.3	A	84	127
C-AB	0.13	7.05	0.2	A	60	90
C-A					200	299
A-B					51	77
A-C					225	337

Main Results for each time segment

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	69	17	534	0.130	69	0.0	0.1	7.729	A
C-AB	49	12	592	0.082	48	0.0	0.1	6.616	A
C-A	165	41			165				
A-B	42	11			42				
A-C	184	46			184				

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	83	21	520	0.159	83	0.1	0.2	8.220	A
C-AB	59	15	588	0.100	59	0.1	0.1	6.804	A
C-A	196	49			196				
A-B	50	13			50				
A-C	220	55			220				

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	101	25	501	0.202	101	0.2	0.3	8.984	A
C-AB	73	18	584	0.125	73	0.1	0.1	7.045	A
C-A	238	60			238				
A-B	62	15			62				
A-C	270	67			270				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	101	25	501	0.202	101	0.3	0.3	8.995	A
C-AB	73	18	584	0.125	73	0.1	0.2	7.051	A
C-A	238	60			238				
A-B	62	15			62				
A-C	270	67			270				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	83	21	520	0.159	83	0.3	0.2	8.236	A
C-AB	59	15	588	0.100	59	0.2	0.1	6.808	A
C-A	196	49			196				
A-B	50	13			50				
A-C	220	55			220				

18:15 - 18:30

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	69	17	534	0.130	69	0.2	0.2	7.754	A
C-AB	49	12	592	0.082	49	0.1	0.1	6.627	A
C-A	165	41			165				
A-B	42	11			42				
A-C	184	46			184				

2030 With Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.79	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2030 With Development	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	329	100.000
B		ONE HOUR	✓	155	100.000
C		ONE HOUR	✓	295	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	37	292
	B	85	0	70
	C	269	26	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	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	0.38	12.87	0.6	B	142	213
C-AB	0.05	6.76	0.1	A	24	37
C-A					246	370
A-B					34	51
A-C					268	402

Main Results for each time segment

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	117	29	488	0.239	115	0.0	0.3	9.630	A
C-AB	20	5	580	0.034	20	0.0	0.0	6.420	A
C-A	202	51			202				
A-B	28	7			28				
A-C	220	55			220				

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	139	35	472	0.295	139	0.3	0.4	10.786	B
C-AB	24	6	572	0.042	24	0.0	0.0	6.565	A
C-A	241	60			241				
A-B	33	8			33				
A-C	263	66			263				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	171	43	450	0.379	170	0.4	0.6	12.806	B
C-AB	29	7	562	0.052	29	0.0	0.1	6.761	A
C-A	295	74			295				
A-B	41	10			41				
A-C	321	80			321				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	171	43	450	0.379	171	0.6	0.6	12.872	B
C-AB	29	7	562	0.052	29	0.1	0.1	6.764	A
C-A	295	74			295				
A-B	41	10			41				
A-C	321	80			321				

09:15 - 09:30

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	139	35	472	0.295	140	0.6	0.4	10.859	B
C-AB	24	6	572	0.042	24	0.1	0.0	6.569	A
C-A	241	60			241				
A-B	33	8			33				
A-C	263	66			263				

09:30 - 09:45

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	117	29	488	0.239	117	0.4	0.3	9.716	A
C-AB	20	5	580	0.034	20	0.0	0.0	6.426	A
C-A	202	51			202				
A-B	28	7			28				
A-C	220	55			220				

2030 With Development, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.93	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2030 With Development	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	313	100.000
B		ONE HOUR	✓	95	100.000
C		ONE HOUR	✓	294	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	58	255
	B	31	0	64
	C	229	65	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	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	0.21	9.17	0.3	A	87	131
C-AB	0.13	7.10	0.2	A	62	93
C-A					208	311
A-B					53	80
A-C					234	351

Main Results for each time segment

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	72	18	531	0.135	71	0.0	0.2	7.812	A
C-AB	50	13	591	0.085	50	0.0	0.1	6.650	A
C-A	171	43			171				
A-B	44	11			44				
A-C	192	48			192				

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	85	21	517	0.165	85	0.2	0.2	8.331	A
C-AB	61	15	587	0.103	61	0.1	0.1	6.843	A
C-A	204	51			204				
A-B	52	13			52				
A-C	229	57			229				

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	105	26	497	0.210	104	0.2	0.3	9.153	A
C-AB	76	19	583	0.130	76	0.1	0.2	7.091	A
C-A	248	62			248				
A-B	64	16			64				
A-C	281	70			281				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	105	26	497	0.210	105	0.3	0.3	9.166	A
C-AB	76	19	583	0.130	76	0.2	0.2	7.098	A
C-A	248	62			248				
A-B	64	16			64				
A-C	281	70			281				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	85	21	517	0.165	86	0.3	0.2	8.352	A
C-AB	61	15	587	0.103	61	0.2	0.1	6.847	A
C-A	204	51			204				
A-B	52	13			52				
A-C	229	57			229				

18:15 - 18:30

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	72	18	531	0.135	72	0.2	0.2	7.841	A
C-AB	50	13	591	0.085	50	0.1	0.1	6.663	A
C-A	171	43			171				
A-B	44	11			44				
A-C	192	48			192				

2035 With Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.87	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D13	2035 With Development	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	343	100.000
B		ONE HOUR	✓	160	100.000
C		ONE HOUR	✓	308	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	39	304
	B	88	0	72
	C	281	27	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	0
	B	0	0	0
	C	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	0.40	13.39	0.6	B	147	220
C-AB	0.05	6.81	0.1	A	25	38
C-A					257	386
A-B					36	54
A-C					279	418

Main Results for each time segment

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	120	30	484	0.249	119	0.0	0.3	9.826	A
C-AB	21	5	578	0.036	20	0.0	0.0	6.450	A
C-A	211	53			211				
A-B	29	7			29				
A-C	229	57			229				

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	144	36	468	0.307	143	0.3	0.4	11.078	B
C-AB	25	6	570	0.043	25	0.0	0.0	6.602	A
C-A	252	63			252				
A-B	35	9			35				
A-C	273	68			273				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	176	44	445	0.396	175	0.4	0.6	13.315	B
C-AB	31	8	560	0.055	31	0.0	0.1	6.805	A
C-A	308	77			308				
A-B	43	11			43				
A-C	335	84			335				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	176	44	445	0.396	176	0.6	0.6	13.392	B
C-AB	31	8	560	0.055	31	0.1	0.1	6.808	A
C-A	308	77			308				
A-B	43	11			43				
A-C	335	84			335				

09:15 - 09:30

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	144	36	468	0.307	145	0.6	0.5	11.166	B
C-AB	25	6	570	0.043	25	0.1	0.0	6.603	A
C-A	252	63			252				
A-B	35	9			35				
A-C	273	68			273				

09:30 - 09:45

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	120	30	484	0.249	121	0.5	0.3	9.918	A
C-AB	21	5	578	0.036	21	0.0	0.0	6.454	A
C-A	211	53			211				
A-B	29	7			29				
A-C	229	57			229				

2035 With Development, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.95	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D14	2035 With Development	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	325	100.000
B		ONE HOUR	✓	98	100.000
C		ONE HOUR	✓	305	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	60	265
	B	32	0	66
	C	238	67	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	0.22	9.34	0.3	A	90	135
C-AB	0.13	7.14	0.2	A	64	97
C-A					216	323
A-B					55	83
A-C					243	365

Main Results for each time segment

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	74	18	528	0.140	73	0.0	0.2	7.897	A
C-AB	52	13	590	0.088	51	0.0	0.1	6.683	A
C-A	178	44			178				
A-B	45	11			45				
A-C	200	50			200				

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	88	22	514	0.172	88	0.2	0.2	8.452	A
C-AB	63	16	586	0.107	63	0.1	0.1	6.882	A
C-A	212	53			212				
A-B	54	13			54				
A-C	238	60			238				

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	108	27	493	0.219	108	0.2	0.3	9.331	A
C-AB	79	20	583	0.135	78	0.1	0.2	7.138	A
C-A	257	64			257				
A-B	66	17			66				
A-C	292	73			292				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	108	27	493	0.219	108	0.3	0.3	9.344	A
C-AB	79	20	583	0.135	79	0.2	0.2	7.144	A
C-A	257	64			257				
A-B	66	17			66				
A-C	292	73			292				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	88	22	514	0.172	88	0.3	0.2	8.472	A
C-AB	63	16	586	0.107	63	0.2	0.1	6.886	A
C-A	212	53			212				
A-B	54	13			54				
A-C	238	60			238				

18:15 - 18:30

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	74	18	528	0.140	74	0.2	0.2	7.928	A
C-AB	52	13	590	0.088	52	0.1	0.1	6.696	A
C-A	178	44			178				
A-B	45	11			45				
A-C	200	50			200				

APPENDIX 6

PICADY Output Hillock Lane/Wynnstay Lane

Junctions 9	
PICADY 9 - Priority Intersection Module	
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Filename: Hillock Lane - Wynnstay Lane - March 2020.j9

Path: Z:\projects\1856 Hillock Lane, Gresford\Picady\March 2020

Report generation date: 31/03/2020 15:36:18

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- »Factored 2019/2020 Surveyed Flows, AM
 - »Factored 2019/2020 Surveyed Flows, PM
 - »2025 Growthed Flows, AM
 - »2025 Growthed Flows, PM
 - »2030 Growthed Flows, AM
 - »2030 Growthed Flows, PM
 - »2035 Growthed Flows, AM
 - »2035 Growthed Flows, PM
 - »2025 With Development, AM
 - »2025 With Development, PM
 - »2030 With Development, AM
 - »2030 With Development, PM
 - »2035 With Development, AM
 - »2035 With Development, PM

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	Factored 2019/2020 Surveyed Flows							
Stream B-AC	0.1	8.38	0.06	A	0.0	8.12	0.03	A
Stream C-AB	0.0	5.94	0.02	A	0.0	5.98	0.00	A
	2025 Growthed Flows							
Stream B-AC	0.1	8.37	0.07	A	0.0	8.13	0.03	A
Stream C-AB	0.0	5.94	0.02	A	0.0	5.99	0.00	A
	2030 Growthed Flows							
Stream B-AC	0.1	8.41	0.07	A	0.0	8.18	0.03	A
Stream C-AB	0.0	5.94	0.02	A	0.0	5.99	0.00	A
	2035 Growthed Flows							
Stream B-AC	0.1	8.45	0.07	A	0.0	8.18	0.03	A
Stream C-AB	0.0	5.95	0.02	A	0.0	6.00	0.00	A
	2025 With Development							
Stream B-AC	0.1	8.65	0.09	A	0.0	8.24	0.04	A
Stream C-AB	0.0	5.95	0.02	A	0.0	6.05	0.01	A
	2030 With Development							
Stream B-AC	0.1	8.68	0.09	A	0.0	8.25	0.04	A
Stream C-AB	0.0	5.95	0.02	A	0.0	6.05	0.01	A
	2035 With Development							
Stream B-AC	0.1	8.69	0.10	A	0.0	8.30	0.04	A
Stream C-AB	0.0	5.95	0.02	A	0.0	6.07	0.01	A

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

File summary

File Description

Title	Hillock Lane - Wynnstey Lane
Location	Gresford
Site number	
Date	19/03/2020
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	1856
Enumerator	EDD
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

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Factored 2019/2020 Surveyed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D2	Factored 2019/2020 Surveyed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D3	2025 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D4	2025 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D5	2030 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D6	2030 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D7	2035 Growthed Flows	AM	ONE HOUR	08:15	09:45	15	✓
D8	2035 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓
D9	2025 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D10	2025 With Development	PM	ONE HOUR	17:00	18:30	15	✓
D11	2030 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D12	2030 With Development	PM	ONE HOUR	17:00	18:30	15	✓
D13	2035 With Development	AM	ONE HOUR	08:15	09:45	15	✓
D14	2035 With Development	PM	ONE HOUR	17:00	18:30	15	✓

Analysis Set Details

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

Factored 2019/2020 Surveyed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		4.31	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Wynnstey Lane (S)		Major
B	Hillock Lane		Minor
C	Wynnstey Lane (N)	Width taken at 6m - PICADY Standard Width	Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.30			80.0	✓	1.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	2.20	12	12

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	448	0.081	0.204	0.128	0.291
B-C	581	0.088	0.222	-	-
C-B	620	0.237	0.237	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Factored 2019/2020 Surveyed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	14	100.000
B		ONE HOUR	✓	26	100.000
C		ONE HOUR	✓	23	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	7	7
	B	22	0	4
	C	14	9	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	0	0
	B	0	0	0
	C	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	0.06	8.38	0.1	A	24	36
C-AB	0.02	5.94	0.0	A	8	12
C-A					13	19
A-B					6	10
A-C					6	10

Main Results for each time segment

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	20	5	460	0.043	19	0.0	0.0	8.161	A
C-AB	7	2	618	0.011	7	0.0	0.0	5.895	A
C-A	11	3			11				
A-B	5	1			5				
A-C	5	1			5				

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	23	6	459	0.051	23	0.0	0.1	8.258	A
C-AB	8	2	617	0.013	8	0.0	0.0	5.912	A
C-A	13	3			13				
A-B	6	2			6				
A-C	6	2			6				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	458	0.062	29	0.1	0.1	8.381	A
C-AB	10	2	617	0.016	10	0.0	0.0	5.936	A
C-A	15	4			15				
A-B	8	2			8				
A-C	8	2			8				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	458	0.063	29	0.1	0.1	8.382	A
C-AB	10	2	617	0.016	10	0.0	0.0	5.936	A
C-A	15	4			15				
A-B	8	2			8				
A-C	8	2			8				

09:15 - 09:30

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	23	6	459	0.051	23	0.1	0.1	8.261	A
C-AB	8	2	617	0.013	8	0.0	0.0	5.913	A
C-A	13	3			13				
A-B	6	2			6				
A-C	6	2			6				

09:30 - 09:45

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	20	5	460	0.043	20	0.1	0.0	8.173	A
C-AB	7	2	618	0.011	7	0.0	0.0	5.896	A
C-A	11	3			11				
A-B	5	1			5				
A-C	5	1			5				

Factored 2019/2020 Surveyed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.40	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Factored 2019/2020 Surveyed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	60	100.000
B		ONE HOUR	✓	12	100.000
C		ONE HOUR	✓	6	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	39	21
	B	10	0	2
	C	4	2	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	0.03	8.12	0.0	A	11	17
C-AB	0.00	5.98	0.0	A	2	3
C-A					4	6
A-B					36	54
A-C					19	29

Main Results for each time segment

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	9	2	460	0.020	9	0.0	0.0	7.986	A
C-AB	2	0.38	610	0.002	1	0.0	0.0	5.925	A
C-A	3	0.75			3				
A-B	29	7			29				
A-C	16	4			16				

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	11	3	458	0.024	11	0.0	0.0	8.041	A
C-AB	2	0.45	608	0.003	2	0.0	0.0	5.948	A
C-A	4	0.90			4				
A-B	35	9			35				
A-C	19	5			19				

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	13	3	457	0.029	13	0.0	0.0	8.116	A
C-AB	2	0.55	605	0.004	2	0.0	0.0	5.981	A
C-A	4	1			4				
A-B	43	11			43				
A-C	23	6			23				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	13	3	457	0.029	13	0.0	0.0	8.116	A
C-AB	2	0.55	605	0.004	2	0.0	0.0	5.981	A
C-A	4	1			4				
A-B	43	11			43				
A-C	23	6			23				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	11	3	458	0.024	11	0.0	0.0	8.042	A
C-AB	2	0.45	608	0.003	2	0.0	0.0	5.948	A
C-A	4	0.90			4				
A-B	35	9			35				
A-C	19	5			19				

18:15 - 18:30

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	9	2	460	0.020	9	0.0	0.0	7.989	A
C-AB	2	0.38	610	0.002	2	0.0	0.0	5.927	A
C-A	3	0.75			3				
A-B	29	7			29				
A-C	16	4			16				

2025 Growthed Flows, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		4.36	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2025 Growthed Flows	AM	ONE HOUR	08:15	09:45	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		ONE HOUR	✓	14	100.000
B		ONE HOUR	✓	28	100.000
C		ONE HOUR	✓	24	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	7	7
	B	23	0	5
	C	15	9	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	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	0.07	8.37	0.1	A	26	39
C-AB	0.02	5.94	0.0	A	8	12
C-A					14	21
A-B					6	10
A-C					6	10

Main Results for each time segment

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	21	5	463	0.046	21	0.0	0.0	8.141	A
C-AB	7	2	618	0.011	7	0.0	0.0	5.895	A
C-A	11	3			11				
A-B	5	1			5				
A-C	5	1			5				

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	25	6	462	0.054	25	0.0	0.1	8.241	A
C-AB	8	2	617	0.013	8	0.0	0.0	5.912	A
C-A	13	3			13				
A-B	6	2			6				
A-C	6	2			6				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	31	8	461	0.067	31	0.1	0.1	8.371	A
C-AB	10	2	617	0.016	10	0.0	0.0	5.936	A
C-A	17	4			17				
A-B	8	2			8				
A-C	8	2			8				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	31	8	461	0.067	31	0.1	0.1	8.373	A
C-AB	10	2	617	0.016	10	0.0	0.0	5.936	A
C-A	17	4			17				
A-B	8	2			8				
A-C	8	2			8				

09:15 - 09:30

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	25	6	462	0.054	25	0.1	0.1	8.243	A
C-AB	8	2	617	0.013	8	0.0	0.0	5.913	A
C-A	13	3			13				
A-B	6	2			6				
A-C	6	2			6				

09:30 - 09:45

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	21	5	463	0.046	21	0.1	0.0	8.150	A
C-AB	7	2	618	0.011	7	0.0	0.0	5.896	A
C-A	11	3			11				
A-B	5	1			5				
A-C	5	1			5				

2025 Growthed Flows, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.34	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2025 Growthed Flows	PM	ONE HOUR	17:00	18:30	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	63	100.000
B		ONE HOUR	✓	12	100.000
C		ONE HOUR	✓	7	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	41	22
	B	10	0	2
	C	5	2	0

Vehicle Mix

Heavy Vehicle Percentages

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