Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.5.1.7462

For sales and distribution information, program advice and maintenance, contact TRL:
+44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk

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Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2018 Count year									
Stream B-AC	D1	0.0	7.00	0.04	A	D2	0.0	6.28	0.01	A
Stream C-AB		0.0	5.35	0.01	A		0.0	5.74	0.02	A
	2022 Opening year									
Stream B-AC	D3	0.0	7.09	0.05	A	D4	0.0	6.29	0.01	A
Stream C-AB		0.0	5.32	0.01	A		0.0	5.72	0.02	A
	2027 Opening year +5									
Stream B-AC	D5	0.1	7.10	0.05	A	D6	0.0	6.28	0.01	A
Stream C-AB		0.0	5.27	0.01	A		0.0	5.70	0.02	A
	2037 Opening year +15									
Stream B-AC	D7	0.1	7.21	0.06	A	D8	0.0	6.29	0.02	A
Stream C-AB		0.0	5.20	0.02	A		0.0	5.68	0.02	A
	2022 Opening year with Dev									
Stream B-AC	D9	0.2	7.45	0.14	A	D10	0.1	6.37	0.05	A
Stream C-AB		0.1	5.41	0.04	A		0.1	6.07	0.09	A
	2027 Opening year +5 with Dev									
Stream B-AC	D11	0.2	7.50	0.15	A	D12	0.1	6.39	0.05	A
Stream C-AB		0.1	5.37	0.04	A		0.1	6.05	0.09	A
	2037 Opening year +15 with Dev									
Stream B-AC	D13	0.2	7.69	0.16	A	D14	0.1	6.53	0.05	A
Stream C-AB		0.1	5.30	0.05	A		0.1	6.02	0.09	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	(untitled)
Location	
Site number	
Date	06/06/2018
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	ATKINSMCCARTHY\MCollins
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

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
		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)
D1	2018 Count year	AM	ONE HOUR	07:45	09:15	15
D2	2018 Count year	PM	ONE HOUR	16:45	18:15	15
D3	2022 Opening year	AM	ONE HOUR	07:45	09:15	15
D4	2022 Opening year	PM	ONE HOUR	16:45	18:15	15
D5	2027 Opening year +5	AM	ONE HOUR	07:45	09:15	15
D6	2027 Opening year +5	PM	ONE HOUR	16:45	18:15	15
D7	2037 Opening year +15	AM	ONE HOUR	07:45	09:15	15
D8	2037 Opening year +15	PM	ONE HOUR	16:45	18:15	15
D9	2022 Opening year with Dev	AM	ONE HOUR	07:45	09:15	15
D10	2022 Opening year with Dev	PM	ONE HOUR	16:45	18:15	15
D11	2027 Opening year +5 with Dev	AM	ONE HOUR	07:45	09:15	15
D12	2027 Opening year +5 with Dev	PM	ONE HOUR	16:45	18:15	15
D13	2037 Opening year +15 with Dev	AM	ONE HOUR	07:45	09:15	15
D14	2037 Opening year +15 with Dev	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2018 Count year, 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		0.75	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	untitled		Major
B	untitled		Minor
C	untitled		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	6.00			60.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	2.90	20	20

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	489	0.089	0.225	0.142	0.322
B-C	630	0.097	0.244	-	-
C-B	609	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)
D1	2018 Count year	AM	ONE HOUR	07:45	09:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	61	100.000
B		✓	21	100.000
C		✓	168	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	61
	B	8	0	13
	C	162	6	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	5
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.04	7.00	0.0	A
C-AB	0.01	5.35	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	16	547	0.029	16	0.0	6.775	A
C-AB	6	679	0.008	5	0.0	5.351	A
C-A	121			121			
A-B	0			0			
A-C	46			46			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	543	0.035	19	0.0	6.870	A
C-AB	7	693	0.010	7	0.0	5.254	A
C-A	144			144			
A-B	0			0			
A-C	55			55			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	23	537	0.043	23	0.0	7.003	A
C-AB	9	712	0.012	9	0.0	5.127	A
C-A	176			176			
A-B	0			0			
A-C	67			67			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	23	537	0.043	23	0.0	7.003	A
C-AB	9	712	0.012	9	0.0	5.130	A
C-A	176			176			
A-B	0			0			
A-C	67			67			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	543	0.035	19	0.0	6.874	A
C-AB	7	693	0.010	7	0.0	5.256	A
C-A	144			144			
A-B	0			0			
A-C	55			55			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	16	547	0.029	16	0.0	6.778	A
C-AB	6	679	0.008	6	0.0	5.354	A
C-A	121			121			
A-B	0			0			
A-C	46			46			

2018 Count year, 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		0.60	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)
D2	2018 Count year	PM	ONE HOUR	16:45	18:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	65	100.000
B		✓	6	100.000
C		✓	90	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	64
	B	1	0	5
	C	81	9	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.01	6.28	0.0	A
C-AB	0.02	5.74	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	587	0.008	4	0.0	6.182	A
C-AB	7	638	0.012	7	0.0	5.730	A
C-A	60			60			
A-B	0.75			0.75			
A-C	48			48			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	584	0.009	5	0.0	6.222	A
C-AB	9	644	0.014	9	0.0	5.695	A
C-A	72			72			
A-B	0.90			0.90			
A-C	58			58			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	7	580	0.011	7	0.0	6.278	A
C-AB	11	652	0.018	11	0.0	5.650	A
C-A	88			88			
A-B	1			1			
A-C	70			70			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	7	580	0.011	7	0.0	6.278	A
C-AB	11	652	0.018	11	0.0	5.652	A
C-A	88			88			
A-B	1			1			
A-C	70			70			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	584	0.009	5	0.0	6.222	A
C-AB	9	644	0.014	9	0.0	5.701	A
C-A	72			72			
A-B	0.90			0.90			
A-C	58			58			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	587	0.008	5	0.0	6.185	A
C-AB	7	638	0.012	8	0.0	5.735	A
C-A	60			60			
A-B	0.75			0.75			
A-C	48			48			

2022 Opening year, 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		0.77	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)
D3	2022 Opening year	AM	ONE HOUR	07:45	09:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	65	100.000
B		✓	23	100.000
C		✓	179	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	65
	B	9	0	14
	C	173	6	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	5
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.05	7.09	0.0	A
C-AB	0.01	5.32	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	544	0.032	17	0.0	6.834	A
C-AB	6	684	0.008	6	0.0	5.314	A
C-A	129			129			
A-B	0			0			
A-C	49			49			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	21	539	0.038	21	0.0	6.939	A
C-AB	7	699	0.010	7	0.0	5.211	A
C-A	154			154			
A-B	0			0			
A-C	58			58			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	25	533	0.047	25	0.0	7.086	A
C-AB	9	720	0.013	9	0.0	5.077	A
C-A	188			188			
A-B	0			0			
A-C	72			72			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	25	533	0.047	25	0.0	7.086	A
C-AB	9	720	0.013	9	0.0	5.078	A
C-A	188			188			
A-B	0			0			
A-C	72			72			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	21	539	0.038	21	0.0	6.940	A
C-AB	7	699	0.010	7	0.0	5.216	A
C-A	154			154			
A-B	0			0			
A-C	58			58			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	544	0.032	17	0.0	6.837	A
C-AB	6	684	0.008	6	0.0	5.317	A
C-A	129			129			
A-B	0			0			
A-C	49			49			

2022 Opening year, 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		0.60	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)
D4	2022 Opening year	PM	ONE HOUR	16:45	18:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	69	100.000
B		✓	6	100.000
C		✓	97	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	68
	B	1	0	5
	C	87	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.01	6.29	0.0	A
C-AB	0.02	5.72	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	586	0.008	4	0.0	6.193	A
C-AB	8	640	0.013	8	0.0	5.719	A
C-A	65			65			
A-B	0.75			0.75			
A-C	51			51			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	583	0.009	5	0.0	6.235	A
C-AB	10	646	0.016	10	0.0	5.682	A
C-A	77			77			
A-B	0.90			0.90			
A-C	61			61			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	7	579	0.011	7	0.0	6.293	A
C-AB	13	655	0.020	13	0.0	5.634	A
C-A	94			94			
A-B	1			1			
A-C	75			75			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	7	579	0.011	7	0.0	6.293	A
C-AB	13	655	0.020	13	0.0	5.636	A
C-A	94			94			
A-B	1			1			
A-C	75			75			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	583	0.009	5	0.0	6.237	A
C-AB	10	646	0.016	10	0.0	5.687	A
C-A	77			77			
A-B	0.90			0.90			
A-C	61			61			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	586	0.008	5	0.0	6.195	A
C-AB	8	640	0.013	8	0.0	5.722	A
C-A	65			65			
A-B	0.75			0.75			
A-C	51			51			

2027 Opening year +5, 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		0.76	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)
D5	2027 Opening year +5	AM	ONE HOUR	07:45	09:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	71	100.000
B		✓	24	100.000
C		✓	195	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	71
	B	9	0	15
	C	188	7	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	5
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.05	7.10	0.1	A
C-AB	0.01	5.27	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	18	544	0.033	18	0.0	6.835	A
C-AB	7	691	0.010	7	0.0	5.272	A
C-A	140			140			
A-B	0			0			
A-C	53			53			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	22	540	0.040	22	0.0	6.947	A
C-AB	8	707	0.012	8	0.0	5.163	A
C-A	167			167			
A-B	0			0			
A-C	64			64			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	26	533	0.050	26	0.1	7.104	A
C-AB	11	729	0.015	11	0.0	5.022	A
C-A	204			204			
A-B	0			0			
A-C	78			78			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	26	533	0.050	26	0.1	7.104	A
C-AB	11	729	0.015	11	0.0	5.025	A
C-A	204			204			
A-B	0			0			
A-C	78			78			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	22	540	0.040	22	0.0	6.950	A
C-AB	8	707	0.012	8	0.0	5.166	A
C-A	167			167			
A-B	0			0			
A-C	64			64			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	18	544	0.033	18	0.0	6.838	A
C-AB	7	691	0.010	7	0.0	5.273	A
C-A	140			140			
A-B	0			0			
A-C	53			53			

2027 Opening year +5, 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		0.59	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)
D6	2027 Opening year +5	PM	ONE HOUR	16:45	18:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	75	100.000
B		✓	7	100.000
C		✓	105	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	74
	B	1	0	6
	C	95	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.01	6.28	0.0	A
C-AB	0.02	5.70	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	589	0.009	5	0.0	6.168	A
C-AB	8	643	0.013	8	0.0	5.694	A
C-A	71			71			
A-B	0.75			0.75			
A-C	56			56			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	6	586	0.011	6	0.0	6.213	A
C-AB	10	650	0.016	10	0.0	5.653	A
C-A	84			84			
A-B	0.90			0.90			
A-C	67			67			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	8	581	0.013	8	0.0	6.277	A
C-AB	13	660	0.020	13	0.0	5.599	A
C-A	103			103			
A-B	1			1			
A-C	81			81			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	8	581	0.013	8	0.0	6.277	A
C-AB	13	660	0.020	13	0.0	5.602	A
C-A	103			103			
A-B	1			1			
A-C	81			81			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	6	586	0.011	6	0.0	6.216	A
C-AB	10	650	0.016	10	0.0	5.659	A
C-A	84			84			
A-B	0.90			0.90			
A-C	67			67			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	5	589	0.009	5	0.0	6.171	A
C-AB	8	643	0.013	8	0.0	5.700	A
C-A	71			71			
A-B	0.75			0.75			
A-C	56			56			

2037 Opening year +15, 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		0.77	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)
D7	2037 Opening year +15	AM	ONE HOUR	07:45	09:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	80	100.000
B		✓	27	100.000
C		✓	220	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	80
	B	10	0	17
	C	212	8	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	5
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.06	7.21	0.1	A
C-AB	0.02	5.20	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	542	0.037	20	0.0	6.895	A
C-AB	8	701	0.011	8	0.0	5.201	A
C-A	158			158			
A-B	0			0			
A-C	60			60			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	537	0.045	24	0.0	7.023	A
C-AB	10	720	0.014	10	0.0	5.083	A
C-A	188			188			
A-B	0			0			
A-C	72			72			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	30	529	0.056	30	0.1	7.205	A
C-AB	13	745	0.017	13	0.0	4.930	A
C-A	229			229			
A-B	0			0			
A-C	88			88			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	30	529	0.056	30	0.1	7.205	A
C-AB	13	745	0.017	13	0.0	4.933	A
C-A	229			229			
A-B	0			0			
A-C	88			88			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	537	0.045	24	0.0	7.024	A
C-AB	10	720	0.014	10	0.0	5.087	A
C-A	188			188			
A-B	0			0			
A-C	72			72			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	542	0.037	20	0.0	6.898	A
C-AB	8	701	0.011	8	0.0	5.202	A
C-A	158			158			
A-B	0			0			
A-C	60			60			

2037 Opening year +15, 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		0.62	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)
D8	2037 Opening year +15	PM	ONE HOUR	16:45	18:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	85	100.000
B		✓	8	100.000
C		✓	119	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	84
	B	1	0	7
	C	107	12	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.02	6.29	0.0	A
C-AB	0.02	5.68	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	6	590	0.010	6	0.0	6.164	A
C-AB	10	648	0.016	10	0.0	5.675	A
C-A	79			79			
A-B	0.75			0.75			
A-C	63			63			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	7	586	0.012	7	0.0	6.215	A
C-AB	13	655	0.019	13	0.0	5.630	A
C-A	94			94			
A-B	0.90			0.90			
A-C	76			76			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	9	581	0.015	9	0.0	6.286	A
C-AB	16	666	0.024	16	0.0	5.573	A
C-A	115			115			
A-B	1			1			
A-C	92			92			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	9	581	0.015	9	0.0	6.286	A
C-AB	16	666	0.024	16	0.0	5.578	A
C-A	115			115			
A-B	1			1			
A-C	92			92			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	7	586	0.012	7	0.0	6.217	A
C-AB	13	655	0.019	13	0.0	5.637	A
C-A	94			94			
A-B	0.90			0.90			
A-C	76			76			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	6	590	0.010	6	0.0	6.167	A
C-AB	10	648	0.016	10	0.0	5.681	A
C-A	79			79			
A-B	0.75			0.75			
A-C	63			63			

2022 Opening year with Dev, 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		2.07	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)
D9	2022 Opening year with Dev	AM	ONE HOUR	07:45	09:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	66	100.000
B		✓	74	100.000
C		✓	192	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	65
	B	16	0	58
	C	173	19	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	5
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.14	7.45	0.2	A
C-AB	0.04	5.41	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	574	0.097	55	0.1	6.939	A
C-AB	18	684	0.026	18	0.0	5.412	A
C-A	127			127			
A-B	0.75			0.75			
A-C	49			49			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	570	0.117	66	0.1	7.150	A
C-AB	22	699	0.031	22	0.0	5.329	A
C-A	151			151			
A-B	0.90			0.90			
A-C	58			58			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	81	564	0.144	81	0.2	7.451	A
C-AB	28	719	0.040	28	0.1	5.224	A
C-A	183			183			
A-B	1			1			
A-C	72			72			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	81	564	0.144	81	0.2	7.454	A
C-AB	29	719	0.040	29	0.1	5.224	A
C-A	183			183			
A-B	1			1			
A-C	72			72			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	570	0.117	67	0.1	7.160	A
C-AB	22	699	0.032	22	0.0	5.332	A
C-A	151			151			
A-B	0.90			0.90			
A-C	58			58			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	574	0.097	56	0.1	6.955	A
C-AB	18	684	0.026	18	0.0	5.414	A
C-A	127			127			
A-B	0.75			0.75			
A-C	49			49			

2022 Opening year with Dev, 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		2.09	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)
D10	2022 Opening year with Dev	PM	ONE HOUR	16:45	18:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	71	100.000
B		✓	26	100.000
C		✓	132	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	68
	B	2	0	24
	C	87	45	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.05	6.37	0.1	A
C-AB	0.09	6.07	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	601	0.033	19	0.0	6.186	A
C-AB	38	640	0.059	37	0.1	5.996	A
C-A	62			62			
A-B	2			2			
A-C	51			51			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	23	598	0.039	23	0.0	6.261	A
C-AB	46	646	0.071	46	0.1	6.025	A
C-A	73			73			
A-B	3			3			
A-C	61			61			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	594	0.048	29	0.1	6.366	A
C-AB	58	655	0.089	58	0.1	6.065	A
C-A	87			87			
A-B	3			3			
A-C	75			75			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	594	0.048	29	0.1	6.366	A
C-AB	58	655	0.089	58	0.1	6.069	A
C-A	87			87			
A-B	3			3			
A-C	75			75			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	23	598	0.039	23	0.0	6.265	A
C-AB	46	646	0.071	46	0.1	6.033	A
C-A	73			73			
A-B	3			3			
A-C	61			61			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	601	0.033	20	0.0	6.189	A
C-AB	38	640	0.059	38	0.1	6.008	A
C-A	62			62			
A-B	2			2			
A-C	51			51			

2027 Opening year +5 with Dev, 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		1.99	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)
D11	2027 Opening year +5 with Dev	AM	ONE HOUR	07:45	09:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	72	100.000
B		✓	75	100.000
C		✓	208	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	71
	B	16	0	59
	C	188	20	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	5
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.15	7.50	0.2	A
C-AB	0.04	5.37	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	572	0.099	56	0.1	6.965	A
C-AB	19	691	0.027	19	0.0	5.370	A
C-A	138			138			
A-B	0.75			0.75			
A-C	53			53			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	568	0.119	67	0.1	7.184	A
C-AB	24	707	0.033	24	0.0	5.283	A
C-A	163			163			
A-B	0.90			0.90			
A-C	64			64			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	83	562	0.147	82	0.2	7.499	A
C-AB	31	729	0.042	31	0.1	5.169	A
C-A	198			198			
A-B	1			1			
A-C	78			78			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	83	562	0.147	83	0.2	7.502	A
C-AB	31	729	0.042	31	0.1	5.169	A
C-A	198			198			
A-B	1			1			
A-C	78			78			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	568	0.119	68	0.1	7.191	A
C-AB	24	707	0.034	24	0.0	5.287	A
C-A	163			163			
A-B	0.90			0.90			
A-C	64			64			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	572	0.099	57	0.1	6.979	A
C-AB	19	691	0.027	19	0.0	5.374	A
C-A	138			138			
A-B	0.75			0.75			
A-C	53			53			

2027 Opening year +5 with Dev, 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		2.00	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)
D12	2027 Opening year +5 with Dev	PM	ONE HOUR	16:45	18:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	77	100.000
B		✓	26	100.000
C		✓	141	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	74
	B	2	0	24
	C	95	46	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.05	6.39	0.1	A
C-AB	0.09	6.05	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	600	0.033	19	0.0	6.199	A
C-AB	39	643	0.061	39	0.1	5.981	A
C-A	67			67			
A-B	2			2			
A-C	56			56			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	23	597	0.039	23	0.0	6.278	A
C-AB	48	650	0.073	48	0.1	6.007	A
C-A	79			79			
A-B	3			3			
A-C	67			67			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	592	0.048	29	0.1	6.386	A
C-AB	60	659	0.091	60	0.1	6.044	A
C-A	95			95			
A-B	3			3			
A-C	81			81			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	592	0.048	29	0.1	6.386	A
C-AB	60	659	0.091	60	0.1	6.051	A
C-A	95			95			
A-B	3			3			
A-C	81			81			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	23	597	0.039	23	0.0	6.281	A
C-AB	48	650	0.073	48	0.1	6.019	A
C-A	79			79			
A-B	3			3			
A-C	67			67			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	600	0.033	20	0.0	6.202	A
C-AB	39	643	0.061	39	0.1	5.993	A
C-A	67			67			
A-B	2			2			
A-C	56			56			

2037 Opening year +15 with Dev, 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		1.94	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)
D13	2037 Opening year +15 with Dev	AM	ONE HOUR	07:45	09:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	81	100.000
B		✓	79	100.000
C		✓	233	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	80
	B	18	0	61
	C	212	21	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	5
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.16	7.69	0.2	A
C-AB	0.05	5.30	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	567	0.105	59	0.1	7.081	A
C-AB	20	701	0.029	20	0.0	5.299	A
C-A	155			155			
A-B	0.75			0.75			
A-C	60			60			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	71	562	0.126	71	0.1	7.326	A
C-AB	26	720	0.036	26	0.0	5.203	A
C-A	184			184			
A-B	0.90			0.90			
A-C	72			72			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	87	555	0.157	87	0.2	7.681	A
C-AB	34	745	0.045	34	0.1	5.076	A
C-A	223			223			
A-B	1			1			
A-C	88			88			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	87	555	0.157	87	0.2	7.685	A
C-AB	34	745	0.045	34	0.1	5.080	A
C-A	223			223			
A-B	1			1			
A-C	88			88			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	71	562	0.126	71	0.1	7.337	A
C-AB	26	720	0.036	26	0.0	5.205	A
C-A	184			184			
A-B	0.90			0.90			
A-C	72			72			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	567	0.105	60	0.1	7.098	A
C-AB	21	701	0.029	21	0.0	5.304	A
C-A	155			155			
A-B	0.75			0.75			
A-C	60			60			

2037 Opening year +15 with Dev, 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		1.92	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)
D14	2037 Opening year +15 with Dev	PM	ONE HOUR	16:45	18:15	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	87	100.000
B		✓	28	100.000
C		✓	154	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	84
	B	3	0	25
	C	107	47	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.05	6.53	0.1	A
C-AB	0.09	6.02	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	21	592	0.036	21	0.0	6.306	A
C-AB	40	647	0.062	40	0.1	5.955	A
C-A	76			76			
A-B	2			2			
A-C	63			63			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	25	588	0.043	25	0.0	6.397	A
C-AB	50	655	0.076	49	0.1	5.977	A
C-A	89			89			
A-B	3			3			
A-C	76			76			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	31	582	0.053	31	0.1	6.525	A
C-AB	63	666	0.095	63	0.1	6.010	A
C-A	107			107			
A-B	3			3			
A-C	92			92			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	31	582	0.053	31	0.1	6.525	A
C-AB	63	666	0.095	63	0.1	6.016	A
C-A	107			107			
A-B	3			3			
A-C	92			92			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	25	588	0.043	25	0.0	6.401	A
C-AB	50	655	0.076	50	0.1	5.990	A
C-A	89			89			
A-B	3			3			
A-C	76			76			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	21	592	0.036	21	0.0	6.312	A
C-AB	40	647	0.063	41	0.1	5.968	A
C-A	75			75			
A-B	2			2			
A-C	63			63			