





CampbellReith
consulting engineers

Appendix 6

Accident Data



Validated Data

Crash Date: Monday, May 16, 2022

Time of Crash: 08:50:00

Crash Reference: 2022471177789

Highest Injury Severity: Slight

Road Number: A273

Casualties: 1

Highway Authority: West Sussex

Vehicles: 2

Local Authority: Mid Sussex

OS Grid Reference: 530778 120723

Weather Description: Fine without high winds

Road Surface Description: Wet or Damp

Speed Limit: 60

Light Conditions: Daylight: regardless of presence of streetlights

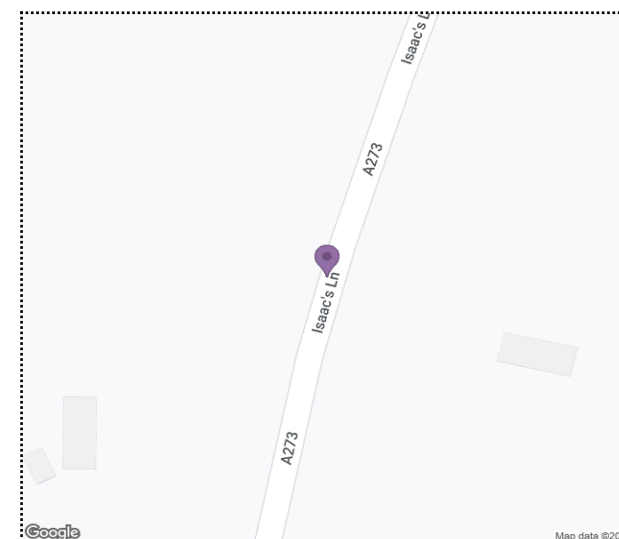
Carriageway Hazards: None

Junction Detail: Not at or within 20 metres of junction

Junction Pedestrian Crossing: No physical crossing facility within 50 metres

Road Type: Single carriageway

Junction Control: Not Applicable



For more information about the data please visit: www.crashmap.co.uk/home/faq

To subscribe to unlimited reports using CrashMap Pro visit: www.crashmap.co.uk/home/premium_services



Validated Data

Crash Date:

Monday, May 16, 2022

Time of Crash: 08:50:00

Crash Reference: 2022471177789

Vehicles Involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Motorcycle over 50cc and up to 125cc	10	Male	21 - 25	Vehicle is passing another moving vehicle on its offside	Did not impact	Journey as part of work	None	None
2	Good vehicles of unknown weight	-1	Unknown	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Did not impact	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Male	21 - 25	Unknown or other	Unknown or other

For more information about the data please visit: www.crashmap.co.uk/home/faq

To subscribe to unlimited reports using CrashMap Pro visit: www.crashmap.co.uk/home/premium_services

Appendix 7

PICADY Outputs

Junctions 9	
PICADY 9 - Priority Intersection Module	
Version: 9.5.0.6896 © Copyright TRL Limited, 2018	
For sales and distribution information, program advice and maintenance, contact TRL: +44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk	
The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution	

Filename: Isaacs Lane Brookleigh School access.j9

Path: J:\14000-14249\14176 - Brookleigh School\Docs\CR Docs\Reports\Transport\Junction Modelling

Report generation date: 10/07/2024 10:47:16

»2018 Base, AM
 »2018 Base, PM
 »2018 Base + Dev, AM
 »2018 Base + Dev, PM
 »2025 Base, AM
 »2025 Base, PM
 »2025 Base + Dev, AM
 »2025 Base + Dev, PM
 »2033 Base, AM
 »2033 Base, PM
 »2033 Base + Dev, AM
 »2033 Base + Dev, PM
 »2025 Base plus 20% + Development, AM
 »2025 Base plus 20% + Development, PM
 »2033 Base plus 20% + Development, AM
 »2033 Base plus 20% + Development, PM

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	2018 Base							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	2018 Base + Dev							
Stream B-AC	0.0	0.00	0.00	A	0.1	8.30	0.06	A
Stream C-AB	0.0	6.85	0.04	A	0.0	0.00	0.00	A
	2025 Base							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	2025 Base + Dev							
Stream B-AC	0.0	0.00	0.00	A	0.1	8.68	0.06	A
Stream C-AB	0.0	7.05	0.04	A	0.0	0.00	0.00	A
	2033 Base							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	2033 Base + Dev							
Stream B-AC	0.0	0.00	0.00	A	0.1	8.91	0.06	A
Stream C-AB	0.0	7.17	0.04	A	0.0	0.00	0.00	A
	2025 Base plus 20% + Development							
Stream B-AC	0.0	0.00	0.00	A	0.1	9.64	0.07	A
Stream C-AB	0.0	7.53	0.04	A	0.0	0.00	0.00	A
	2033 Base plus 20% + Development							
Stream B-AC	0.0	0.00	0.00	A	0.1	10.01	0.07	B
Stream C-AB	0.0	7.69	0.04	A	0.0	0.00	0.00	A

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

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

File summary

File Description

Title	
Location	
Site number	
Date	27/06/2024
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	CAMPBELLREITH\TomHarris
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	2018 Base	AM	ONE HOUR	07:45	09:15	15	✓
D2	2018 Base	PM	ONE HOUR	16:45	18:15	15	✓
D3	2018 Base + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D4	2018 Base + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D5	2025 Base	AM	ONE HOUR	07:45	09:15	15	✓
D6	2025 Base	PM	ONE HOUR	16:45	18:15	15	✓
D7	2025 Base + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D8	2025 Base + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D9	2033 Base	AM	ONE HOUR	07:45	09:15	15	✓
D10	2033 Base	PM	ONE HOUR	16:45	18:15	15	✓
D11	2033 Base + Dev	AM	ONE HOUR	07:45	09:15	15	✓
D12	2033 Base + Dev	PM	ONE HOUR	16:45	18:15	15	✓
D13	2025 Base plus 20% + Development	AM	ONE HOUR	07:45	09:15	15	✓
D14	2025 Base plus 20% + Development	PM	ONE HOUR	16:45	18:15	15	✓
D15	2033 Base plus 20% + Development	AM	ONE HOUR	07:45	09:15	15	✓
D16	2033 Base plus 20% + Development	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2018 Base, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.00	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Isaacs Lane (N)		Major
B	Site Access		Minor
C	Isaacs Lane (S)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - Isaacs Lane (S)	9.49		✓	3.00	112.0	✓	3.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B - Site Access	One lane	3.50	43	43

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	538	0.083	0.210	0.132	0.300
1	B-C	684	0.089	0.225	-	-
1	C-B	694	0.228	0.228	-	-

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	2018 Base	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	581	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	572	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	581
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	572	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	437	437
	B - Site Access	0	0
	C - Isaacs Lane (S)	431	431
08:00-08:15	A - Isaacs Lane (N)	522	522
	B - Site Access	0	0
	C - Isaacs Lane (S)	514	514
08:15-08:30	A - Isaacs Lane (N)	640	640
	B - Site Access	0	0
	C - Isaacs Lane (S)	630	630
08:30-08:45	A - Isaacs Lane (N)	640	640
	B - Site Access	0	0
	C - Isaacs Lane (S)	630	630
08:45-09:00	A - Isaacs Lane (N)	522	522
	B - Site Access	0	0
	C - Isaacs Lane (S)	514	514
09:00-09:15	A - Isaacs Lane (N)	437	437
	B - Site Access	0	0
	C - Isaacs Lane (S)	431	431

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	0.00	0.00	0.0	A	0	0
C-AB	0.00	0.00	0.0	A	0	0
C-A					525	787
A-B					0	0
A-C					533	800

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	468	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1189	0.000	0	0.0	0.0	0.000	A
C-A	431	108			431				
A-B	0	0			0				
A-C	437	109			437				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	441	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1150	0.000	0	0.0	0.0	0.000	A
C-A	514	129			514				
A-B	0	0			0				
A-C	522	131			522				

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	0	0	402	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1097	0.000	0	0.0	0.0	0.000	A
C-A	630	157			630				
A-B	0	0			0				
A-C	640	160			640				

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	0	0	402	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1097	0.000	0	0.0	0.0	0.000	A
C-A	630	157			630				
A-B	0	0			0				
A-C	640	160			640				

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	0	0	441	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1150	0.000	0	0.0	0.0	0.000	A
C-A	514	129			514				
A-B	0	0			0				
A-C	522	131			522				

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	0	0	468	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1189	0.000	0	0.0	0.0	0.000	A
C-A	431	108			431				
A-B	0	0			0				
A-C	437	109			437				

2018 Base, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.00	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)	Run automatically
D2	2018 Base	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	499	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	603	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	499
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	603	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	376	376
	B - Site Access	0	0
	C - Isaacs Lane (S)	454	454
17:00-17:15	A - Isaacs Lane (N)	449	449
	B - Site Access	0	0
	C - Isaacs Lane (S)	542	542
17:15-17:30	A - Isaacs Lane (N)	549	549
	B - Site Access	0	0
	C - Isaacs Lane (S)	664	664
17:30-17:45	A - Isaacs Lane (N)	549	549
	B - Site Access	0	0
	C - Isaacs Lane (S)	664	664
17:45-18:00	A - Isaacs Lane (N)	449	449
	B - Site Access	0	0
	C - Isaacs Lane (S)	542	542
18:00-18:15	A - Isaacs Lane (N)	376	376
	B - Site Access	0	0
	C - Isaacs Lane (S)	454	454

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	0.00	0.00	0.0	A	0	0
C-AB	0.00	0.00	0.0	A	0	0
C-A					553	830
A-B					0	0
A-C					458	687

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	479	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1217	0.000	0	0.0	0.0	0.000	A
C-A	454	113			454				
A-B	0	0			0				
A-C	376	94			376				

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	0	0	454	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1184	0.000	0	0.0	0.0	0.000	A
C-A	542	136			542				
A-B	0	0			0				
A-C	449	112			449				

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	0	0	419	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1138	0.000	0	0.0	0.0	0.000	A
C-A	664	166			664				
A-B	0	0			0				
A-C	549	137			549				

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	0	0	419	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1138	0.000	0	0.0	0.0	0.000	A
C-A	664	166			664				
A-B	0	0			0				
A-C	549	137			549				

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	0	0	454	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1184	0.000	0	0.0	0.0	0.000	A
C-A	542	136			542				
A-B	0	0			0				
A-C	449	112			449				

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	0	0	479	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1217	0.000	0	0.0	0.0	0.000	A
C-A	454	113			454				
A-B	0	0			0				
A-C	376	94			376				

2018 Base + Dev, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.11	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	2018 Base + Dev	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	590	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	591	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	9	581
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	572	19	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.02	0.98
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	444	444
	B - Site Access	0	0
	C - Isaacs Lane (S)	445	445
08:00-08:15	A - Isaacs Lane (N)	530	530
	B - Site Access	0	0
	C - Isaacs Lane (S)	531	531
08:15-08:30	A - Isaacs Lane (N)	650	650
	B - Site Access	0	0
	C - Isaacs Lane (S)	651	651
08:30-08:45	A - Isaacs Lane (N)	650	650
	B - Site Access	0	0
	C - Isaacs Lane (S)	651	651
08:45-09:00	A - Isaacs Lane (N)	530	530
	B - Site Access	0	0
	C - Isaacs Lane (S)	531	531
09:00-09:15	A - Isaacs Lane (N)	444	444
	B - Site Access	0	0
	C - Isaacs Lane (S)	445	445

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	0.00	0.00	0.0	A	0	0
C-AB	0.04	6.85	0.0	A	17	26
C-A					525	787
A-B					8	12
A-C					533	800

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	464	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	593	0.024	14	0.0	0.0	6.219	A
C-A	431	108			431				
A-B	7	2			7				
A-C	437	109			437				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	436	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	573	0.030	17	0.0	0.0	6.470	A
C-A	514	129			514				
A-B	8	2			8				
A-C	522	131			522				

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	0	0	396	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	546	0.038	21	0.0	0.0	6.852	A
C-A	630	157			630				
A-B	10	2			10				
A-C	640	160			640				

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	0	0	396	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	546	0.038	21	0.0	0.0	6.852	A
C-A	630	157			630				
A-B	10	2			10				
A-C	640	160			640				

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	0	0	436	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	573	0.030	17	0.0	0.0	6.470	A
C-A	514	129			514				
A-B	8	2			8				
A-C	522	131			522				

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	0	0	464	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	593	0.024	14	0.0	0.0	6.222	A
C-A	431	108			431				
A-B	7	2			7				
A-C	437	109			437				

2018 Base + Dev, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.18	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	2018 Base + Dev	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	499	100.000
B - Site Access		ONE HOUR	✓	25	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	603	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	499
	B - Site Access	8	0	17
	C - Isaacs Lane (S)	603	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.32	0.00	0.68
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	376	376
	B - Site Access	19	19
	C - Isaacs Lane (S)	454	454
17:00-17:15	A - Isaacs Lane (N)	449	449
	B - Site Access	22	22
	C - Isaacs Lane (S)	542	542
17:15-17:30	A - Isaacs Lane (N)	549	549
	B - Site Access	28	28
	C - Isaacs Lane (S)	664	664
17:30-17:45	A - Isaacs Lane (N)	549	549
	B - Site Access	28	28
	C - Isaacs Lane (S)	664	664
17:45-18:00	A - Isaacs Lane (N)	449	449
	B - Site Access	22	22
	C - Isaacs Lane (S)	542	542
18:00-18:15	A - Isaacs Lane (N)	376	376
	B - Site Access	19	19
	C - Isaacs Lane (S)	454	454

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	8.30	0.1	A	23	34
C-AB	0.00	0.00	0.0	A	0	0
C-A					553	830
A-B					0	0
A-C					458	687

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	517	0.036	19	0.0	0.0	7.229	A
C-AB	0	0	1217	0.000	0	0.0	0.0	0.000	A
C-A	454	113			454				
A-B	0	0			0				
A-C	376	94			376				

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	22	6	494	0.046	22	0.0	0.0	7.640	A
C-AB	0	0	1184	0.000	0	0.0	0.0	0.000	A
C-A	542	136			542				
A-B	0	0			0				
A-C	449	112			449				

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	28	7	461	0.060	27	0.0	0.1	8.301	A
C-AB	0	0	1138	0.000	0	0.0	0.0	0.000	A
C-A	664	166			664				
A-B	0	0			0				
A-C	549	137			549				

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	28	7	461	0.060	28	0.1	0.1	8.303	A
C-AB	0	0	1138	0.000	0	0.0	0.0	0.000	A
C-A	664	166			664				
A-B	0	0			0				
A-C	549	137			549				

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	22	6	494	0.046	23	0.1	0.0	7.645	A
C-AB	0	0	1184	0.000	0	0.0	0.0	0.000	A
C-A	542	136			542				
A-B	0	0			0				
A-C	449	112			449				

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	19	5	517	0.036	19	0.0	0.0	7.236	A
C-AB	0	0	1217	0.000	0	0.0	0.0	0.000	A
C-A	454	113			454				
A-B	0	0			0				
A-C	376	94			376				

2025 Base, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.00	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)	Run automatically
D5	2025 Base	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	641	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	631	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	641
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	631	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	483	483
	B - Site Access	0	0
	C - Isaacs Lane (S)	475	475
08:00-08:15	A - Isaacs Lane (N)	576	576
	B - Site Access	0	0
	C - Isaacs Lane (S)	567	567
08:15-08:30	A - Isaacs Lane (N)	706	706
	B - Site Access	0	0
	C - Isaacs Lane (S)	695	695
08:30-08:45	A - Isaacs Lane (N)	706	706
	B - Site Access	0	0
	C - Isaacs Lane (S)	695	695
08:45-09:00	A - Isaacs Lane (N)	576	576
	B - Site Access	0	0
	C - Isaacs Lane (S)	567	567
09:00-09:15	A - Isaacs Lane (N)	483	483
	B - Site Access	0	0
	C - Isaacs Lane (S)	475	475

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	0.00	0.00	0.0	A	0	0
C-AB	0.00	0.00	0.0	A	0	0
C-A					579	869
A-B					0	0
A-C					588	882

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	453	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1169	0.000	0	0.0	0.0	0.000	A
C-A	475	119			475				
A-B	0	0			0				
A-C	483	121			483				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	423	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1126	0.000	0	0.0	0.0	0.000	A
C-A	567	142			567				
A-B	0	0			0				
A-C	576	144			576				

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	0	0	380	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1067	0.000	0	0.0	0.0	0.000	A
C-A	695	174			695				
A-B	0	0			0				
A-C	706	176			706				

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	0	0	380	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1067	0.000	0	0.0	0.0	0.000	A
C-A	695	174			695				
A-B	0	0			0				
A-C	706	176			706				

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	0	0	423	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1126	0.000	0	0.0	0.0	0.000	A
C-A	567	142			567				
A-B	0	0			0				
A-C	576	144			576				

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	0	0	453	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1169	0.000	0	0.0	0.0	0.000	A
C-A	475	119			475				
A-B	0	0			0				
A-C	483	121			483				

2025 Base, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.00	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)	Run automatically
D6	2025 Base	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	550	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	665	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	550
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	665	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	414	414
	B - Site Access	0	0
	C - Isaacs Lane (S)	501	501
17:00-17:15	A - Isaacs Lane (N)	494	494
	B - Site Access	0	0
	C - Isaacs Lane (S)	598	598
17:15-17:30	A - Isaacs Lane (N)	606	606
	B - Site Access	0	0
	C - Isaacs Lane (S)	732	732
17:30-17:45	A - Isaacs Lane (N)	606	606
	B - Site Access	0	0
	C - Isaacs Lane (S)	732	732
17:45-18:00	A - Isaacs Lane (N)	494	494
	B - Site Access	0	0
	C - Isaacs Lane (S)	598	598
18:00-18:15	A - Isaacs Lane (N)	414	414
	B - Site Access	0	0
	C - Isaacs Lane (S)	501	501

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	0.00	0.00	0.0	A	0	0
C-AB	0.00	0.00	0.0	A	0	0
C-A					610	915
A-B					0	0
A-C					505	757

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	466	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
C-A	501	125			501				
A-B	0	0			0				
A-C	414	104			414				

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	0	0	439	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1163	0.000	0	0.0	0.0	0.000	A
C-A	598	149			598				
A-B	0	0			0				
A-C	494	124			494				

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	0	0	399	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1112	0.000	0	0.0	0.0	0.000	A
C-A	732	183			732				
A-B	0	0			0				
A-C	606	151			606				

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	0	0	399	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1112	0.000	0	0.0	0.0	0.000	A
C-A	732	183			732				
A-B	0	0			0				
A-C	606	151			606				

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	0	0	439	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1163	0.000	0	0.0	0.0	0.000	A
C-A	598	149			598				
A-B	0	0			0				
A-C	494	124			494				

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	0	0	466	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
C-A	501	125			501				
A-B	0	0			0				
A-C	414	104			414				

2025 Base + 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	Isaacs Lane / School Site Access	T-Junction	Two-way		0.10	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2025 Base + Dev	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	650	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	650	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	From			
	A - Isaacs Lane (N)	0	9	641
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	631	19	0

Proportions

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	From			
	A - Isaacs Lane (N)	0.00	0.01	0.99
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	From			
	A - Isaacs Lane (N)	0	0	3
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	3	0	0

Average PCU Per Veh

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	From			
	A - Isaacs Lane (N)	1.000	1.000	1.030
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.030	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	489	489
	B - Site Access	0	0
	C - Isaacs Lane (S)	489	489
08:00-08:15	A - Isaacs Lane (N)	584	584
	B - Site Access	0	0
	C - Isaacs Lane (S)	584	584
08:15-08:30	A - Isaacs Lane (N)	716	716
	B - Site Access	0	0
	C - Isaacs Lane (S)	716	716
08:30-08:45	A - Isaacs Lane (N)	716	716
	B - Site Access	0	0
	C - Isaacs Lane (S)	716	716
08:45-09:00	A - Isaacs Lane (N)	584	584
	B - Site Access	0	0
	C - Isaacs Lane (S)	584	584
09:00-09:15	A - Isaacs Lane (N)	489	489
	B - Site Access	0	0
	C - Isaacs Lane (S)	489	489

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	0.00	0.00	0.0	A	0	0
C-AB	0.04	7.05	0.0	A	17	26
C-A					579	869
A-B					8	12
A-C					588	882

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	450	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	583	0.025	14	0.0	0.0	6.332	A
C-A	475	119			475				
A-B	7	2			7				
A-C	483	121			483				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	418	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	561	0.030	17	0.0	0.0	6.616	A
C-A	567	142			567				
A-B	8	2			8				
A-C	576	144			576				

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	0	0	374	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	531	0.039	21	0.0	0.0	7.054	A
C-A	695	174			695				
A-B	10	2			10				
A-C	706	176			706				

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	0	0	374	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	531	0.039	21	0.0	0.0	7.054	A
C-A	695	174			695				
A-B	10	2			10				
A-C	706	176			706				

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	0	0	418	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	561	0.030	17	0.0	0.0	6.620	A
C-A	567	142			567				
A-B	8	2			8				
A-C	576	144			576				

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	0	0	450	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	583	0.025	14	0.0	0.0	6.335	A
C-A	475	119			475				
A-B	7	2			7				
A-C	483	121			483				

2025 Base + Dev, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.17	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	2025 Base + Dev	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	550	100.000
B - Site Access		ONE HOUR	✓	25	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	665	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From	A - Isaacs Lane (N)	0	0	550
	B - Site Access	8	0	17
	C - Isaacs Lane (S)	665	0	0

Proportions

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.32	0.00	0.68
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	414	414
	B - Site Access	19	19
	C - Isaacs Lane (S)	501	501
17:00-17:15	A - Isaacs Lane (N)	494	494
	B - Site Access	22	22
	C - Isaacs Lane (S)	598	598
17:15-17:30	A - Isaacs Lane (N)	606	606
	B - Site Access	28	28
	C - Isaacs Lane (S)	732	732
17:30-17:45	A - Isaacs Lane (N)	606	606
	B - Site Access	28	28
	C - Isaacs Lane (S)	732	732
17:45-18:00	A - Isaacs Lane (N)	494	494
	B - Site Access	22	22
	C - Isaacs Lane (S)	598	598
18:00-18:15	A - Isaacs Lane (N)	414	414
	B - Site Access	19	19
	C - Isaacs Lane (S)	501	501

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	8.68	0.1	A	23	34
C-AB	0.00	0.00	0.0	A	0	0
C-A					610	915
A-B					0	0
A-C					505	757

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	504	0.037	19	0.0	0.0	7.409	A
C-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
C-A	501	125			501				
A-B	0	0			0				
A-C	414	104			414				

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	22	6	479	0.047	22	0.0	0.0	7.887	A
C-AB	0	0	1163	0.000	0	0.0	0.0	0.000	A
C-A	598	149			598				
A-B	0	0			0				
A-C	494	124			494				

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	28	7	442	0.062	27	0.0	0.1	8.674	A
C-AB	0	0	1112	0.000	0	0.0	0.0	0.000	A
C-A	732	183			732				
A-B	0	0			0				
A-C	606	151			606				

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	28	7	442	0.062	28	0.1	0.1	8.676	A
C-AB	0	0	1112	0.000	0	0.0	0.0	0.000	A
C-A	732	183			732				
A-B	0	0			0				
A-C	606	151			606				

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	22	6	479	0.047	23	0.1	0.0	7.889	A
C-AB	0	0	1163	0.000	0	0.0	0.0	0.000	A
C-A	598	149			598				
A-B	0	0			0				
A-C	494	124			494				

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	19	5	504	0.037	19	0.0	0.0	7.413	A
C-AB	0	0	1200	0.000	0	0.0	0.0	0.000	A
C-A	501	125			501				
A-B	0	0			0				
A-C	414	104			414				

2033 Base, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.00	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)	Run automatically
D9	2033 Base	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	674	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	664	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	674
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	664	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	507	507
	B - Site Access	0	0
	C - Isaacs Lane (S)	500	500
08:00-08:15	A - Isaacs Lane (N)	606	606
	B - Site Access	0	0
	C - Isaacs Lane (S)	597	597
08:15-08:30	A - Isaacs Lane (N)	742	742
	B - Site Access	0	0
	C - Isaacs Lane (S)	731	731
08:30-08:45	A - Isaacs Lane (N)	742	742
	B - Site Access	0	0
	C - Isaacs Lane (S)	731	731
08:45-09:00	A - Isaacs Lane (N)	606	606
	B - Site Access	0	0
	C - Isaacs Lane (S)	597	597
09:00-09:15	A - Isaacs Lane (N)	507	507
	B - Site Access	0	0
	C - Isaacs Lane (S)	500	500

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	0.00	0.00	0.0	A	0	0
C-AB	0.00	0.00	0.0	A	0	0
C-A					609	914
A-B					0	0
A-C					618	928

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	445	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1157	0.000	0	0.0	0.0	0.000	A
C-A	500	125			500				
A-B	0	0			0				
A-C	507	127			507				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	413	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1112	0.000	0	0.0	0.0	0.000	A
C-A	597	149			597				
A-B	0	0			0				
A-C	606	151			606				

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	0	0	368	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1050	0.000	0	0.0	0.0	0.000	A
C-A	731	183			731				
A-B	0	0			0				
A-C	742	186			742				

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	0	0	368	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1050	0.000	0	0.0	0.0	0.000	A
C-A	731	183			731				
A-B	0	0			0				
A-C	742	186			742				

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	0	0	413	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1112	0.000	0	0.0	0.0	0.000	A
C-A	597	149			597				
A-B	0	0			0				
A-C	606	151			606				

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	0	0	445	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1157	0.000	0	0.0	0.0	0.000	A
C-A	500	125			500				
A-B	0	0			0				
A-C	507	127			507				

2033 Base, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.00	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)	Run automatically
D10	2033 Base	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	579	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	700	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	579
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	700	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	436	436
	B - Site Access	0	0
	C - Isaacs Lane (S)	527	527
17:00-17:15	A - Isaacs Lane (N)	521	521
	B - Site Access	0	0
	C - Isaacs Lane (S)	629	629
17:15-17:30	A - Isaacs Lane (N)	637	637
	B - Site Access	0	0
	C - Isaacs Lane (S)	771	771
17:30-17:45	A - Isaacs Lane (N)	637	637
	B - Site Access	0	0
	C - Isaacs Lane (S)	771	771
17:45-18:00	A - Isaacs Lane (N)	521	521
	B - Site Access	0	0
	C - Isaacs Lane (S)	629	629
18:00-18:15	A - Isaacs Lane (N)	436	436
	B - Site Access	0	0
	C - Isaacs Lane (S)	527	527

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	0.00	0.00	0.0	A	0	0
C-AB	0.00	0.00	0.0	A	0	0
C-A					642	963
A-B					0	0
A-C					531	797

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	459	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
C-A	527	132			527				
A-B	0	0			0				
A-C	436	109			436				

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	0	0	429	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1151	0.000	0	0.0	0.0	0.000	A
C-A	629	157			629				
A-B	0	0			0				
A-C	521	130			521				

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	0	0	388	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1098	0.000	0	0.0	0.0	0.000	A
C-A	771	193			771				
A-B	0	0			0				
A-C	637	159			637				

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	0	0	388	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1098	0.000	0	0.0	0.0	0.000	A
C-A	771	193			771				
A-B	0	0			0				
A-C	637	159			637				

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	0	0	429	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1151	0.000	0	0.0	0.0	0.000	A
C-A	629	157			629				
A-B	0	0			0				
A-C	521	130			521				

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	0	0	459	0.000	0	0.0	0.0	0.000	A
C-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
C-A	527	132			527				
A-B	0	0			0				
A-C	436	109			436				

2033 Base + Dev, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.10	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2033 Base + Dev	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	683	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	683	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	9	674
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	664	19	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.01	0.99
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	514	514
	B - Site Access	0	0
	C - Isaacs Lane (S)	514	514
08:00-08:15	A - Isaacs Lane (N)	614	614
	B - Site Access	0	0
	C - Isaacs Lane (S)	614	614
08:15-08:30	A - Isaacs Lane (N)	752	752
	B - Site Access	0	0
	C - Isaacs Lane (S)	752	752
08:30-08:45	A - Isaacs Lane (N)	752	752
	B - Site Access	0	0
	C - Isaacs Lane (S)	752	752
08:45-09:00	A - Isaacs Lane (N)	614	614
	B - Site Access	0	0
	C - Isaacs Lane (S)	614	614
09:00-09:15	A - Isaacs Lane (N)	514	514
	B - Site Access	0	0
	C - Isaacs Lane (S)	514	514

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	0.00	0.00	0.0	A	0	0
C-AB	0.04	7.17	0.0	A	17	26
C-A					609	914
A-B					8	12
A-C					618	928

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	442	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	577	0.025	14	0.0	0.0	6.395	A
C-A	500	125			500				
A-B	7	2			7				
A-C	507	127			507				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	409	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	554	0.031	17	0.0	0.0	6.699	A
C-A	597	149			597				
A-B	8	2			8				
A-C	606	151			606				

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	0	0	362	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	523	0.040	21	0.0	0.0	7.171	A
C-A	731	183			731				
A-B	10	2			10				
A-C	742	186			742				

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	0	0	362	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	523	0.040	21	0.0	0.0	7.171	A
C-A	731	183			731				
A-B	10	2			10				
A-C	742	186			742				

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	0	0	409	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	554	0.031	17	0.0	0.0	6.700	A
C-A	597	149			597				
A-B	8	2			8				
A-C	606	151			606				

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	0	0	442	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	577	0.025	14	0.0	0.0	6.398	A
C-A	500	125			500				
A-B	7	2			7				
A-C	507	127			507				

2033 Base + Dev, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.17	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	2033 Base + Dev	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	579	100.000
B - Site Access		ONE HOUR	✓	25	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	700	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	579
	B - Site Access	8	0	17
	C - Isaacs Lane (S)	700	0	0

Proportions

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.32	0.00	0.68
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
From		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	436	436
	B - Site Access	19	19
	C - Isaacs Lane (S)	527	527
17:00-17:15	A - Isaacs Lane (N)	521	521
	B - Site Access	22	22
	C - Isaacs Lane (S)	629	629
17:15-17:30	A - Isaacs Lane (N)	637	637
	B - Site Access	28	28
	C - Isaacs Lane (S)	771	771
17:30-17:45	A - Isaacs Lane (N)	637	637
	B - Site Access	28	28
	C - Isaacs Lane (S)	771	771
17:45-18:00	A - Isaacs Lane (N)	521	521
	B - Site Access	22	22
	C - Isaacs Lane (S)	629	629
18:00-18:15	A - Isaacs Lane (N)	436	436
	B - Site Access	19	19
	C - Isaacs Lane (S)	527	527

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	8.91	0.1	A	23	34
C-AB	0.00	0.00	0.0	A	0	0
C-A					642	963
A-B					0	0
A-C					531	797

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	498	0.038	19	0.0	0.0	7.515	A
C-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
C-A	527	132			527				
A-B	0	0			0				
A-C	436	109			436				

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	22	6	470	0.048	22	0.0	0.0	8.034	A
C-AB	0	0	1151	0.000	0	0.0	0.0	0.000	A
C-A	629	157			629				
A-B	0	0			0				
A-C	521	130			521				

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	28	7	432	0.064	27	0.0	0.1	8.904	A
C-AB	0	0	1098	0.000	0	0.0	0.0	0.000	A
C-A	771	193			771				
A-B	0	0			0				
A-C	637	159			637				

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	28	7	432	0.064	28	0.1	0.1	8.906	A
C-AB	0	0	1098	0.000	0	0.0	0.0	0.000	A
C-A	771	193			771				
A-B	0	0			0				
A-C	637	159			637				

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	22	6	470	0.048	23	0.1	0.1	8.038	A
C-AB	0	0	1151	0.000	0	0.0	0.0	0.000	A
C-A	629	157			629				
A-B	0	0			0				
A-C	521	130			521				

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	19	5	498	0.038	19	0.1	0.0	7.522	A
C-AB	0	0	1190	0.000	0	0.0	0.0	0.000	A
C-A	527	132			527				
A-B	0	0			0				
A-C	436	109			436				

2025 Base plus 20% + Development, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.09	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)	Run automatically
D13	2025 Base plus 20% + Development	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	778	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	776	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From				
	A - Isaacs Lane (N)	0	9	769
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	757	19	0

Proportions

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From				
	A - Isaacs Lane (N)	0.00	0.01	0.99
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	0.98	0.02	0.00

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From				
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
From				
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	586	586
	B - Site Access	0	0
	C - Isaacs Lane (S)	584	584
08:00-08:15	A - Isaacs Lane (N)	699	699
	B - Site Access	0	0
	C - Isaacs Lane (S)	698	698
08:15-08:30	A - Isaacs Lane (N)	857	857
	B - Site Access	0	0
	C - Isaacs Lane (S)	854	854
08:30-08:45	A - Isaacs Lane (N)	857	857
	B - Site Access	0	0
	C - Isaacs Lane (S)	854	854
08:45-09:00	A - Isaacs Lane (N)	699	699
	B - Site Access	0	0
	C - Isaacs Lane (S)	698	698
09:00-09:15	A - Isaacs Lane (N)	586	586
	B - Site Access	0	0
	C - Isaacs Lane (S)	584	584

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	0.00	0.00	0.0	A	0	0
C-AB	0.04	7.53	0.0	A	17	26
C-A					695	1042
A-B					8	12
A-C					706	1058

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	418	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	561	0.026	14	0.0	0.0	6.586	A
C-A	570	142			570				
A-B	7	2			7				
A-C	579	145			579				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	380	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	535	0.032	17	0.0	0.0	6.951	A
C-A	681	170			681				
A-B	8	2			8				
A-C	691	173			691				

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	0	0	325	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	499	0.042	21	0.0	0.0	7.528	A
C-A	833	208			833				
A-B	10	2			10				
A-C	847	212			847				

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	0	0	325	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	499	0.042	21	0.0	0.0	7.528	A
C-A	833	208			833				
A-B	10	2			10				
A-C	847	212			847				

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	0	0	380	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	535	0.032	17	0.0	0.0	6.955	A
C-A	681	170			681				
A-B	8	2			8				
A-C	691	173			691				

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	0	0	418	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	561	0.026	14	0.0	0.0	6.587	A
C-A	570	142			570				
A-B	7	2			7				
A-C	579	145			579				

2025 Base plus 20% + Development, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.16	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	2025 Base plus 20% + Development	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	660	100.000
B - Site Access		ONE HOUR	✓	25	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	798	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	660
	B - Site Access	8	0	17
	C - Isaacs Lane (S)	798	0	0

Proportions

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.32	0.00	0.68
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	497	497
	B - Site Access	19	19
	C - Isaacs Lane (S)	601	601
17:00-17:15	A - Isaacs Lane (N)	593	593
	B - Site Access	22	22
	C - Isaacs Lane (S)	717	717
17:15-17:30	A - Isaacs Lane (N)	727	727
	B - Site Access	28	28
	C - Isaacs Lane (S)	879	879
17:30-17:45	A - Isaacs Lane (N)	727	727
	B - Site Access	28	28
	C - Isaacs Lane (S)	879	879
17:45-18:00	A - Isaacs Lane (N)	593	593
	B - Site Access	22	22
	C - Isaacs Lane (S)	717	717
18:00-18:15	A - Isaacs Lane (N)	497	497
	B - Site Access	19	19
	C - Isaacs Lane (S)	601	601

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	9.64	0.1	A	23	34
C-AB	0.00	0.00	0.0	A	0	0
C-A					732	1098
A-B					0	0
A-C					606	908

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	478	0.039	19	0.0	0.0	7.833	A
C-AB	0	0	1162	0.000	0	0.0	0.0	0.000	A
C-A	601	150			601				
A-B	0	0			0				
A-C	497	124			497				

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	22	6	447	0.050	22	0.0	0.1	8.487	A
C-AB	0	0	1118	0.000	0	0.0	0.0	0.000	A
C-A	717	179			717				
A-B	0	0			0				
A-C	593	148			593				

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	28	7	401	0.069	27	0.1	0.1	9.638	A
C-AB	0	0	1057	0.000	0	0.0	0.0	0.000	A
C-A	879	220			879				
A-B	0	0			0				
A-C	727	182			727				

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	28	7	401	0.069	28	0.1	0.1	9.642	A
C-AB	0	0	1057	0.000	0	0.0	0.0	0.000	A
C-A	879	220			879				
A-B	0	0			0				
A-C	727	182			727				

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	22	6	447	0.050	23	0.1	0.1	8.494	A
C-AB	0	0	1118	0.000	0	0.0	0.0	0.000	A
C-A	717	179			717				
A-B	0	0			0				
A-C	593	148			593				

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	19	5	478	0.039	19	0.1	0.0	7.839	A
C-AB	0	0	1162	0.000	0	0.0	0.0	0.000	A
C-A	601	150			601				
A-B	0	0			0				
A-C	497	124			497				

2033 Base plus 20% + Development, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.09	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)	Run automatically
D15	2033 Base plus 20% + Development	AM	ONE HOUR	07:45	09:15	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 - Isaacs Lane (N)		ONE HOUR	✓	818	100.000
B - Site Access		ONE HOUR	✓	0	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	816	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	9	809
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	797	19	0

Proportions

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.01	0.99
	B - Site Access	0.33	0.33	0.33
	C - Isaacs Lane (S)	0.98	0.02	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A - Isaacs Lane (N)	616	616
	B - Site Access	0	0
	C - Isaacs Lane (S)	614	614
08:00-08:15	A - Isaacs Lane (N)	735	735
	B - Site Access	0	0
	C - Isaacs Lane (S)	734	734
08:15-08:30	A - Isaacs Lane (N)	901	901
	B - Site Access	0	0
	C - Isaacs Lane (S)	898	898
08:30-08:45	A - Isaacs Lane (N)	901	901
	B - Site Access	0	0
	C - Isaacs Lane (S)	898	898
08:45-09:00	A - Isaacs Lane (N)	735	735
	B - Site Access	0	0
	C - Isaacs Lane (S)	734	734
09:00-09:15	A - Isaacs Lane (N)	616	616
	B - Site Access	0	0
	C - Isaacs Lane (S)	614	614

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	0.00	0.00	0.0	A	0	0
C-AB	0.04	7.69	0.0	A	17	26
C-A					731	1097
A-B					8	12
A-C					742	1114

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	408	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	554	0.026	14	0.0	0.0	6.670	A
C-A	600	150			600				
A-B	7	2			7				
A-C	609	152			609				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	368	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	527	0.032	17	0.0	0.0	7.063	A
C-A	716	179			716				
A-B	8	2			8				
A-C	727	182			727				

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	0	0	310	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	489	0.043	21	0.0	0.0	7.691	A
C-A	878	219			878				
A-B	10	2			10				
A-C	891	223			891				

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	0	0	310	0.000	0	0.0	0.0	0.000	A
C-AB	21	5	489	0.043	21	0.0	0.0	7.691	A
C-A	878	219			878				
A-B	10	2			10				
A-C	891	223			891				

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	0	0	368	0.000	0	0.0	0.0	0.000	A
C-AB	17	4	527	0.032	17	0.0	0.0	7.067	A
C-A	716	179			716				
A-B	8	2			8				
A-C	727	182			727				

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	0	0	408	0.000	0	0.0	0.0	0.000	A
C-AB	14	4	554	0.026	14	0.0	0.0	6.673	A
C-A	600	150			600				
A-B	7	2			7				
A-C	609	152			609				

2033 Base plus 20% + Development, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Isaacs Lane / School Site Access	T-Junction	Two-way		0.16	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
D16	2033 Base plus 20% + Development	PM	ONE HOUR	16:45	18:15	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 - Isaacs Lane (N)		ONE HOUR	✓	695	100.000
B - Site Access		ONE HOUR	✓	25	100.000
C - Isaacs Lane (S)		ONE HOUR	✓	840	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	695
	B - Site Access	8	0	17
	C - Isaacs Lane (S)	840	0	0

Proportions

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0.00	0.00	1.00
	B - Site Access	0.32	0.00	0.68
	C - Isaacs Lane (S)	1.00	0.00	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	0	0	0
	B - Site Access	0	0	0
	C - Isaacs Lane (S)	0	0	0

Average PCU Per Veh

From	To			
		A - Isaacs Lane (N)	B - Site Access	C - Isaacs Lane (S)
	A - Isaacs Lane (N)	1.000	1.000	1.000
	B - Site Access	1.000	1.000	1.000
	C - Isaacs Lane (S)	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A - Isaacs Lane (N)	523	523
	B - Site Access	19	19
	C - Isaacs Lane (S)	632	632
17:00-17:15	A - Isaacs Lane (N)	625	625
	B - Site Access	22	22
	C - Isaacs Lane (S)	755	755
17:15-17:30	A - Isaacs Lane (N)	765	765
	B - Site Access	28	28
	C - Isaacs Lane (S)	925	925
17:30-17:45	A - Isaacs Lane (N)	765	765
	B - Site Access	28	28
	C - Isaacs Lane (S)	925	925
17:45-18:00	A - Isaacs Lane (N)	625	625
	B - Site Access	22	22
	C - Isaacs Lane (S)	755	755
18:00-18:15	A - Isaacs Lane (N)	523	523
	B - Site Access	19	19
	C - Isaacs Lane (S)	632	632

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	10.01	0.1	B	23	34
C-AB	0.00	0.00	0.0	A	0	0
C-A					771	1156
A-B					0	0
A-C					638	957

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	470	0.040	19	0.0	0.0	7.981	A
C-AB	0	0	1150	0.000	0	0.0	0.0	0.000	A
C-A	632	158			632				
A-B	0	0			0				
A-C	523	131			523				

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	22	6	436	0.052	22	0.0	0.1	8.703	A
C-AB	0	0	1104	0.000	0	0.0	0.0	0.000	A
C-A	755	189			755				
A-B	0	0			0				
A-C	625	156			625				

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	28	7	387	0.071	27	0.1	0.1	10.005	B
C-AB	0	0	1040	0.000	0	0.0	0.0	0.000	A
C-A	925	231			925				
A-B	0	0			0				
A-C	765	191			765				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	28	7	387	0.071	28	0.1	0.1	10.009	B
C-AB	0	0	1040	0.000	0	0.0	0.0	0.000	A
C-A	925	231			925				
A-B	0	0			0				
A-C	765	191			765				

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	22	6	436	0.052	23	0.1	0.1	8.708	A
C-AB	0	0	1104	0.000	0	0.0	0.0	0.000	A
C-A	755	189			755				
A-B	0	0			0				
A-C	625	156			625				

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	19	5	470	0.040	19	0.1	0.0	7.989	A
C-AB	0	0	1150	0.000	0	0.0	0.0	0.000	A
C-A	632	158			632				
A-B	0	0			0				
A-C	523	131			523				

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