

Secondary Filtering selection:

Use Class:
 A3 5 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 1 mile:
 15,001 to 20,000 1 days
 20,001 to 25,000 1 days
 25,001 to 50,000 2 days
 100,001 or More 1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:
 75,001 to 100,000 1 days
 100,001 to 125,000 1 days
 125,001 to 250,000 1 days
 250,001 to 500,000 1 days
 500,001 or More 1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:
 0.5 or Less 1 days
 0.6 to 1.0 3 days
 1.1 to 1.5 1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:
 No 5 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:
 No PTAL Present 4 days
 6b (High) Excellent 1 days

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CH-06-B-01	BBQ RESTAURANT	CHESHIRE
	SOUTERS LANE		
	CHESTER		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	500 sqm	
	Survey date: TUESDAY	11/11/14	Survey Type: MANUAL
2	LB-06-B-01	PORTUGUESE RESTAURANT	LAMBETH
	STOCKWELL ROAD		
	STOCKWELL		
	Edge of Town Centre		
	No Sub Category		
	Total Gross floor area:	194 sqm	
	Survey date: MONDAY	24/06/19	Survey Type: MANUAL
3	LN-06-B-01	PREZZO	LINCOLNSHIRE
	BRAYFORD WHARF NORTH		
	LINCOLN		
	BRAYFORD WHARF		
	Edge of Town Centre		
	Development Zone		
	Total Gross floor area:	1136 sqm	
	Survey date: TUESDAY	10/10/17	Survey Type: MANUAL
4	NF-06-B-01	INDIAN RESTAURANT	NORFOLK
	KING STREET		
	GREAT YARMOUTH		
	Town Centre		
	High Street		
	Total Gross floor area:	160 sqm	
	Survey date: THURSDAY	14/09/17	Survey Type: MANUAL
5	WM-06-B-05	AKBARS	WEST MIDLANDS
	THE BUTTS		
	COVENTRY		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	600 sqm	
	Survey date: THURSDAY	17/11/16	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/B - RESTAURANTS

VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	1	194	0.000	1	194	0.000	1	194	0.000
08:00 - 09:00	1	194	0.000	1	194	0.000	1	194	0.000
09:00 - 10:00	1	194	0.515	1	194	0.000	1	194	0.515
10:00 - 11:00	3	285	1.522	3	285	1.288	3	285	2.810
11:00 - 12:00	4	498	1.055	4	498	0.653	4	498	1.708
12:00 - 13:00	4	498	1.608	4	498	0.302	4	498	1.910
13:00 - 14:00	4	498	1.809	4	498	1.558	4	498	3.367
14:00 - 15:00	4	498	0.955	4	498	1.960	4	498	2.915
15:00 - 16:00	4	498	0.402	4	498	0.704	4	498	1.106
16:00 - 17:00	5	518	0.656	5	518	0.270	5	518	0.926
17:00 - 18:00	5	518	1.506	5	518	0.541	5	518	2.047
18:00 - 19:00	5	518	2.432	5	518	1.737	5	518	4.169
19:00 - 20:00	5	518	2.703	5	518	2.085	5	518	4.788
20:00 - 21:00	5	518	1.081	5	518	2.471	5	518	3.552
21:00 - 22:00	5	518	0.386	5	518	1.429	5	518	1.815
22:00 - 23:00	5	518	0.270	5	518	1.158	5	518	1.428
23:00 - 24:00	4	608	0.082	4	608	0.494	4	608	0.576
Total Rates:			16.982			16.650			33.632

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

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Parameter summary

Trip rate parameter range selected: 160 - 1136 (units: sqm)
 Survey date date range: 01/01/11 - 24/06/19
 Number of weekdays (Monday-Friday): 5
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys automatically removed from selection: 0
 Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

Calculation Reference: AUDIT-638801-191101-1130

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
 Category : 0 - CONVENIENCE STORE

VEHICLES

Selected regions and areas:

01 GREATER LONDON
 HK HACKNEY 1 days
 WE WESTMINSTER 1 days
07 YORKSHIRE & NORTH LINCOLNSHIRE
 SY SOUTH YORKSHIRE 1 days
11 SCOTLAND
 EB CITY OF EDINBURGH 2 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Secondary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area
 Actual Range: 120 to 1500 (units: sqm)
 Range Selected by User: 70 to 1500 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 14/03/19

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Tuesday 2 days
 Wednesday 1 days
 Thursday 2 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count 5 days
 Directional ATC Count 0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Town Centre 4
 Edge of Town Centre 1

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Built-Up Zone 5

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

A1 5 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Secondary Filtering selection (Cont.):

Population within 1 mile:

25,001 to 50,000	1 days
50,001 to 100,000	4 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

125,001 to 250,000	1 days
250,001 to 500,000	2 days
500,001 or More	2 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	4 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	5 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Yes	1 days
No	4 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present	3 days
6a Excellent	1 days
6b (High) Excellent	1 days

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	EB-01-O-01	SAINSBURY'S LOCAL	CITY OF EDINBURGH
	EARL GREY STREET EDINBURGH		
	Town Centre Built-Up Zone Total Gross floor area: 350 sqm Survey date: THURSDAY 28/05/15		
2	EB-01-O-02	SAINSBURY'S LOCAL	CITY OF EDINBURGH
	ST ANDREW SQUARE EDINBURGH		
	Town Centre Built-Up Zone Total Gross floor area: 1500 sqm Survey date: THURSDAY 17/03/16		
3	HK-01-O-01	SAINSBURY'S LOCAL	HACKNEY
	MARE STREET SOUTH HACKNEY		
	Edge of Town Centre Built-Up Zone Total Gross floor area: 120 sqm Survey date: TUESDAY 11/12/12		
4	SY-01-O-01	SAINSBURY'S LOCAL	SOUTH YORKSHIRE
	DIVISION STREET SHEFFIELD		
	Town Centre Built-Up Zone Total Gross floor area: 219 sqm Survey date: WEDNESDAY 12/12/12		
5	WE-01-O-01	SAINSBURY'S LOCAL	WESTMINSTER
	MORTIMER STREET FITZROVIA		
	Town Centre Built-Up Zone Total Gross floor area: 550 sqm Survey date: TUESDAY 23/06/15		

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 01 - RETAIL/O - CONVENIENCE STORE
VEHICLES
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	5	548	1.095	5	548	0.694	5	548	1.789
08:00 - 09:00	5	548	1.533	5	548	1.022	5	548	2.555
09:00 - 10:00	5	548	1.022	5	548	1.095	5	548	2.117
10:00 - 11:00	5	548	0.949	5	548	0.694	5	548	1.643
11:00 - 12:00	5	548	1.570	5	548	1.205	5	548	2.775
12:00 - 13:00	5	548	0.913	5	548	0.876	5	548	1.789
13:00 - 14:00	5	548	0.694	5	548	0.803	5	548	1.497
14:00 - 15:00	5	548	0.913	5	548	1.095	5	548	2.008
15:00 - 16:00	5	548	1.278	5	548	1.095	5	548	2.373
16:00 - 17:00	5	548	1.387	5	548	1.278	5	548	2.665
17:00 - 18:00	5	548	1.570	5	548	1.752	5	548	3.322
18:00 - 19:00	5	548	1.351	5	548	2.483	5	548	3.834
19:00 - 20:00	5	548	0.949	5	548	0.913	5	548	1.862
20:00 - 21:00	5	548	1.168	5	548	1.205	5	548	2.373
21:00 - 22:00	5	548	0.621	5	548	0.803	5	548	1.424
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			17.013			17.013			34.026

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

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Parameter summary

Trip rate parameter range selected: 120 - 1500 (units: sqm)
Survey date date range: 01/01/11 - 14/03/19
Number of weekdays (Monday-Friday): 5
Number of Saturdays: 0
Number of Sundays: 0
Surveys automatically removed from selection: 0
Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

APPENDIX C

PICADY Output Files

Junctions 9

Version: 9.0.0.4211 B

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The users of this computer program for the solution of an engineering problem are to be held responsible for the correctness of the solution.

PICADY 9 - Priority Intersection Module

File name: Proposed Western Site Access - R101 Sheriff Street Upper - Copy 0

Path: G:\2019\180159\Calc\picady

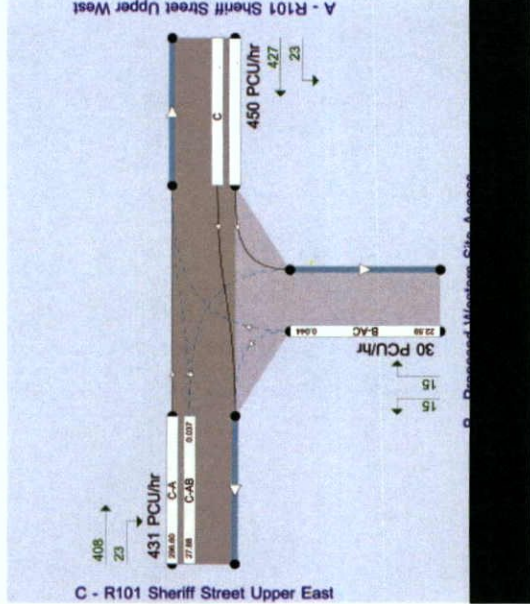
Report generation date: 26/11/2019 12:42:42

- Do Something - DS2002, AM
- Do Something - DS2027, PM
- Do Something - DS2027, AM
- Do Something - DS2037, PM
- Do Something - DS2037, AM
- Do Something - DS2037, PM

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	KPC LOS	Queue (PCU)	Delay (s)	KPC LOS		
Do Something - DS2022								
Stream B-A-C	0.1	9.54	0.10	A	0.1	9.06	0.07	A
Stream C-A-B	0.0	5.81	0.03	A	0.1	5.48	0.06	A
Stream A-B								
Stream A-C								
Do Something - DS2037								
Stream B-A-C	0.1	9.75	0.10	A	0.1	9.25	0.07	A
Stream C-A-B	0.0	5.78	0.03	A	0.1	5.44	0.06	A
Stream A-B								
Stream A-C								
Do Something - DS2037								
Stream B-A-C	0.1	9.95	0.10	A	0.1	9.42	0.07	A
Stream C-A-B	0.0	5.76	0.03	A	0.1	5.41	0.06	A
Stream A-B								
Stream A-C								

*Values shown are the higher values encountered over all line segments. Delay is the maximum value of average delay per driving vehicle



The junction diagram reflects the left-hand of junctions

Analysis Options					
Vehicle length (m)	Calculate Queue Penetration	Calculate retained operating delay	Calculate residual capacity	KPC Threshold	Average Delay Threshold (s)
5.75				0.85	20.00

Demand Set Summary					
Scenario name	Time Period (min)	Traffic profile type	Model start time (UTC min)	Model finish time (UTC min)	Time segment length (min)
DS2022	AM	ONE HOUR	07:45	09:15	15
DS2027	PM	ONE HOUR	17:30	18:30	15
DS2027	AM	ONE HOUR	07:45	09:15	15
DS2027	PM	ONE HOUR	17:30	18:30	15
DS2037	AM	ONE HOUR	07:45	09:15	15
DS2037	PM	ONE HOUR	17:30	18:30	15

File summary

File Description	
Title	(unfilled)
Location	
Site number	
Date	04/11/2019
Version	(new file)
Status	
Identifier	
Client	
Job number	
Enumerator	HEADOFFICE-jenph
Description	

Units

Distance units:	Speed units:	Flow units:	Traffic units input:	Traffic units result:	Flow units:	Average delay units:	Total delay units:	Rate of delay units:
m	km/h	PCU	PCU	PCU	per hour	s	min	per min

Do Something - DS2022, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Includes in report	Use specific demand file	Specific Demand file	Network Rescaling factor	Network capacity scaling factor
A1	Do Something	✓	✓	D:\2023\04\05\06	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - unfilled	unfilled	1 - junction	Two-way	0.07	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm Type
A	R101 Sheriff Street Upper West	Minor	Minor
B	Proposed Western Site Access	Minor	Minor
C	R101 Sheriff Street Upper East	Major	Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has tapered central reserve	Has right turn lane	Visibility for right turn (m)	Blockage?	Blocking space (PCU)
C - R101 Sheriff Street Upper East	7.10	no	no	100.0	✓	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 - Proposed Western Site Access	One lane	3.85	40	40

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 O-B
1	B-A	566.734	0.098	0.248	0.196	0.355
1	B-C	716.832	0.105	0.264	-	-
1	C-B	631.874	0.233	0.233	-	-

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	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D1	DS2022	AM	ONE HOUR	07:45	09:15	15	✓

Default vehicle mix	Vehicle mix varies over time	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCUs)
✓	✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use D-O data	Average Demand (PCU/hr)	Seating Factor (%)
A - R101 Sheriff Street Upper West		ONE HOUR	✓	461.00	100.000
B - Proposed Western Site Access		ONE HOUR	✓	40.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	292.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From		To		
		A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	0.000	10.000	481.000
	B - Proposed Western Site Access	20.000	0.000	20.000
	C - R101 Sheriff Street Upper East	282.000	10.000	0.000

Proportions

From		To		
		A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	0.00	0.02	0.98
	B - Proposed Western Site Access	0.50	0.00	0.50
	C - R101 Sheriff Street Upper East	0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle proportion

From		To		
		A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	10	10	10
	B - Proposed Western Site Access	10	10	10
	C - R101 Sheriff Street Upper East	10	10	10

Average PCU Per Veh

From		To		
		A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	1.100	1.100	1.100
	B - Proposed Western Site Access	1.100	1.100	1.100
	C - R101 Sheriff Street Upper East	1.100	1.100	1.100

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCUs)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-A	0.10	9.54	0.1	A	36.70	95.06
C-A	0.03	5.81	0.0	A	14.30	21.45
C-B					253.64	380.46
A-B					9.18	13.76
A-C					441.37	662.06

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A	30.11	30.11	7.53	0.00	514.96	0.059	29.84	0.0	0.1	8.159	A
C-A	10.67	10.67	2.67	0.00	691.84	0.015	10.59	0.0	0.0	5.812	A
C-B	209.16	209.16	52.29	0.00			209.16				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	362.12	362.12	90.53	0.00			362.12				

Main results: (08:00-08:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A	35.96	35.96	8.99	0.00	491.59	0.073	35.89	0.1	0.1	8.689	A
C-A	13.70	13.70	3.42	0.00	704.96	0.019	13.67	0.0	0.0	5.728	A
C-B	248.81	248.81	62.20	0.00			248.81				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	432.41	432.41	108.10	0.00			432.41				

Main results: (08:15-08:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A	44.04	44.04	11.01	0.00	459.00	0.096	43.92	0.1	0.1	9.536	A
C-A	18.51	18.51	4.63	0.00	723.62	0.026	18.47	0.0	0.0	5.615	A
C-B	302.99	302.99	75.75	0.00			302.99				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	529.59	529.59	132.40	0.00			529.59				

Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A	44.04	44.04	11.01	0.00	458.99	0.096	44.04	0.1	0.1	9.542	A
C-A	18.52	18.52	4.63	0.00	723.62	0.026	18.52	0.0	0.0	5.615	A
C-B	302.98	302.98	75.74	0.00			302.98				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	529.59	529.59	132.40	0.00			529.59				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A	35.96	35.96	8.99	0.00	491.58	0.073	36.07	0.1	0.1	8.695	A
C-A	13.71	13.71	3.43	0.00	704.98	0.019	13.75	0.0	0.0	5.725	A
C-B	248.79	248.79	62.20	0.00			248.79				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	432.41	432.41	108.10	0.00			432.41				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A	30.11	30.11	7.53	0.00	514.94	0.059	30.19	0.1	0.1	8.170	A
C-A	10.70	10.70	2.67	0.00	691.86	0.015	10.72	0.0	0.0	5.813	A
C-B	209.13	209.13	52.28	0.00			209.13				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	362.12	362.12	90.53	0.00			362.12				

Do Something - DS2022, PM

Data Errors and Warnings

No errors or warnings.

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1 D2 D3 D4 D6 D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	T-Junction	Two-way	0.59	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D2	DS2022	PM	ONE HOUR	17:00	18:30	15	✓

Default vehicle mix	Vehicle mix varies over time	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCUs)
✓	✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper West		ONE HOUR	✓	409.00	100.000
B - Proposed Western Site Access		ONE HOUR	✓	30.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	366.00	100.000

Origin-Destination Data

Demand (PCU/hr)		To		
From		A-R101 Sheriff Street Upper West	B-Proposed Western Site Access	C-R101 Sheriff Street Upper East
	A-R101 Sheriff Street Upper West	0.000	23.000	366.000
	B-Proposed Western Site Access	15.000	0.000	15.000
	C-R101 Sheriff Street Upper East	373.000	23.000	0.000

Proportions		To				
From	A - R101 Sheriff Street Upper West	0.00	B - Proposed Western Site Access	0.06	C - R101 Sheriff Street Upper East	0.94
	A - R101 Sheriff Street Upper West	0.00	0.06	0.94		
	B - Proposed Western Site Access	0.50	0.00	0.50		
	C - R101 Sheriff Street Upper East	0.94	0.06	0.00		

Vehicle Mix

Heavy Vehicle proportion

		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East	
	A - R101 Sheriff Street Upper West	10	10	10
	B - Proposed Western Site Access	10	10	10
	C - R101 Sheriff Street Upper East	10	10	10

Average PCU Per Veh

		To				
From	A - R101 Sheriff Street Upper West	1.100	B - Proposed Western Site Access	1.100	C - R101 Sheriff Street Upper East	1.100
	A - R101 Sheriff Street Upper West	1.100	1.100	1.100	1.100	
	B - Proposed Western Site Access	1.100	1.100	1.100	1.100	
	C - R101 Sheriff Street Upper East	1.100	1.100	1.100	1.100	

Main results: (17:45-18:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.28	0.00	469.89	0.070	33.03	0.1	0.1	9.064	A
CAB	50.35	50.35	12.59	0.00	814.86	0.062	50.34	0.1	0.1	5.181	A
CA	385.66	385.66	96.41	0.00			385.66				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	424.99	424.99	106.25	0.00			424.99				

Main results: (18:00-18:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	6.74	0.00	500.80	0.054	27.05	0.1	0.1	8.362	A
CAB	34.87	34.87	8.70	0.00	773.25	0.045	35.03	0.1	0.1	5.368	A
CA	321.12	321.12	80.28	0.00			321.12				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	347.01	347.01	86.75	0.00			347.01				

Main results: (18:15-18:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	522.79	0.043	22.64	0.1	0.1	7.919	A
CAB	26.88	26.88	6.72	0.00	749.63	0.036	26.96	0.1	0.1	5.482	A
CA	271.25	271.25	67.81	0.00			271.25				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	290.60	290.60	72.65	0.00			290.60				

Results

Results Summary for whole modelled period

Stream	Max RPC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
BAC	0.07	9.06	0.1	A	27.53	41.25
CAB	0.06	5.48	0.1	A	37.33	56.00
CA					326.04	489.06
A-B					21.11	31.66
A-C					354.20	531.30

Main Results for each time segment

Main results: (17:00-17:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	522.85	0.043	22.36	0.0	0.0	7.913	A
CAB	26.79	26.79	6.70	0.00	749.55	0.036	26.57	0.0	0.1	5.478	A
CA	271.34	271.34	67.84	0.00			271.34				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	290.60	290.60	72.65	0.00			290.60				

Main results: (17:15-17:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	6.74	0.00	500.80	0.054	26.92	0.0	0.0	8.355	A
CAB	34.81	34.81	8.70	0.00	773.16	0.045	34.74	0.1	0.1	5.362	A
CA	321.18	321.18	80.30	0.00			321.18				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	347.01	347.01	86.75	0.00			347.01				

Main results: (17:30-17:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.28	0.00	469.92	0.070	32.96	0.1	0.1	9.062	A
CAB	50.30	50.30	12.57	0.00	814.79	0.062	50.14	0.1	0.1	5.179	A
CA	385.71	385.71	96.43	0.00			385.71				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	424.99	424.99	106.25	0.00			424.99				

Do Something - DS2027, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1 D2 D3 D4 D5 D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - unlabelled	unlabelled	T-junction	Two-way	0.56	A

Junction Network Options

[same as above]

Arms

Arms

[same as above]

Major Arm Geometry

[same as above]

Minor Arm Geometry

[same as above]

Slope / Intercept / Capacity

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D3	DS2027	AM	ONE-HOUR	07:45	09:15	15	✓

Default vehicle mix	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)

Am	Linked are	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper West		ONE HOUR	✓	515.00	100.000
B - Proposed Western Site Access		ONE HOUR	✓	40.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	307.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.000	10.000	505.000
B - Proposed Western Site Access		20.000	0.000	20.000
C - R101 Sheriff Street Upper East		297.000	10.000	0.000

Proportions

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.00	0.02	0.98
B - Proposed Western Site Access		0.50	0.00	0.50
C - R101 Sheriff Street Upper East		0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle proportion

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		10	10	10
B - Proposed Western Site Access		10	10	10
C - R101 Sheriff Street Upper East		10	10	10

Average PCU Per Veh

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		1.100	1.100	1.100
B - Proposed Western Site Access		1.100	1.100	1.100
C - R101 Sheriff Street Upper East		1.100	1.100	1.100

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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-A-C	0.10	9.75	0.1	A	36.70	55.06
C-A-B	0.03	5.78	0.0	A	14.65	21.98
C-A					267.06	400.58
A-B					9.18	13.76
A-C					463.40	695.10

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	30.11	30.11	7.53	0.00	509.03	0.059	29.84	0.0	0.1	8.290	A
C-A-B	10.87	10.87	2.72	0.00	695.72	0.016	10.80	0.0	0.0	5.781	A
C-A	220.25	220.25	55.06	0.00			220.25				
A-B	7.53	7.53	1.68	0.00			7.53				
A-C	380.19	380.19	95.05	0.00			380.19				

Main results: (08:00-08:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	35.96	35.96	8.99	0.00	484.46	0.074	35.88	0.1	0.1	8.827	A
C-A-B	14.01	14.01	3.50	0.00	709.70	0.020	13.99	0.0	0.0	5.691	A
C-A	261.97	261.97	65.49	0.00			261.97				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	453.98	453.98	113.50	0.00			453.98				

Main results: (08:15-08:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	44.04	44.04	11.01	0.00	450.15	0.098	43.32	0.1	0.1	9.745	A
C-A-B	19.04	19.04	4.75	0.00	729.54	0.028	19.00	0.0	0.0	5.572	A
C-A	318.97	318.97	79.74	0.00			318.97				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	566.02	566.02	139.00	0.00			566.02				

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Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	44.04	44.04	11.01	0.00	450.14	0.098	44.04	0.1	0.1	9.750	A
C-A-B	19.05	19.05	4.76	0.00	729.56	0.028	19.05	0.0	0.0	5.573	A
C-A	318.96	318.96	79.74	0.00			318.96				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	566.02	566.02	139.00	0.00			566.02				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	35.96	35.96	8.99	0.00	484.44	0.074	35.08	0.1	0.1	8.835	A
C-A-B	14.03	14.03	3.51	0.00	709.73	0.020	14.07	0.0	0.0	5.694	A
C-A	261.96	261.96	65.49	0.00			261.96				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	453.98	453.98	113.50	0.00			453.98				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	30.11	30.11	7.53	0.00	509.01	0.059	30.19	0.1	0.1	8.273	A
C-A-B	10.90	10.90	2.73	0.00	695.75	0.016	10.93	0.0	0.0	5.784	A
C-A	220.22	220.22	55.06	0.00			220.22				
A-B	7.53	7.53	1.68	0.00			7.53				
A-C	380.19	380.19	95.05	0.00			380.19				

Do Something - DS2027, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1 D2 D3 D4 D5 D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - unlabelled	unlabelled	T-junction	Two-way	0.58	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period (min)	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D4	DS2027	PM	ONE HOUR	17:00	18:30	15	✓

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

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Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper West		ONE HOUR	✓	431.00	100.000
B - Proposed Western Site Access		ONE HOUR	✓	30.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	414.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To		
	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West	0.000	23.000	408.000
B - Proposed Western Site Access	15.000	0.000	15.000
C - R101 Sheriff Street Upper East	391.000	23.000	0.000

Proportions

From	To		
	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West	0.00	0.05	0.95
B - Proposed Western Site Access	0.50	0.00	0.50
C - R101 Sheriff Street Upper East	0.94	0.06	0.00

Vehicle Mix

Heavy Vehicle proportion

From	To		
	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West	10	10	10
B - Proposed Western Site Access	10	10	10
C - R101 Sheriff Street Upper East	10	10	10

Average PCU Per Veh

From	To		
	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West	1.100	1.100	1.100
B - Proposed Western Site Access	1.100	1.100	1.100
C - R101 Sheriff Street Upper East	1.100	1.100	1.100

Main results: (17:45-18:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.26	0.00	461.14	0.072	33.03	0.1	0.1	9.249	A
CAB	52.13	52.13	13.03	0.00	824.07	0.063	52.12	0.1	0.1	5.131	A
CA	403.70	403.70	100.92	0.00			403.70				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	449.22	449.22	112.30	0.00			449.22				

Main results: (18:00-18:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	25.97	25.97	5.74	0.00	493.74	0.056	25.95	0.1	0.1	8.486	A
CAB	35.74	35.74	8.94	0.00	779.87	0.046	35.91	0.1	0.1	5.326	A
CA	336.43	336.43	84.11	0.00			336.43				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	366.78	366.78	91.70	0.00			366.78				

Main results: (18:15-18:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	516.97	0.044	22.64	0.1	0.1	8.012	A
CAB	27.45	27.45	6.86	0.00	755.16	0.036	27.53	0.1	0.1	5.443	A
CA	284.23	284.23	71.06	0.00			284.23				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	307.16	307.16	76.79	0.00			307.16				

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)
BAC	0.07	9.25	0.1	A	27.53	41.29
CAB	0.06	5.44	0.1	A	36.40	57.60
CA					341.49	512.24
A-B					21.11	31.68
A-C					374.39	561.58

Main Results for each time segment

Main results: (17:00-17:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	517.03	0.044	22.39	0.0	0.0	5.000	A
CAB	27.35	27.35	6.84	0.00	756.06	0.036	27.13	0.0	0.1	5.438	A
CA	284.33	284.33	71.08	0.00			284.33				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	307.16	307.16	76.79	0.00			307.16				

Main results: (17:15-17:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	5.74	0.00	493.78	0.056	26.92	0.0	0.1	8.481	A
CAB	35.68	35.68	8.92	0.00	779.77	0.046	35.60	0.1	0.1	5.321	A
CA	336.50	336.50	84.12	0.00			336.50				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	366.78	366.78	91.70	0.00			366.78				

Main results: (17:30-17:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.26	0.00	461.17	0.072	32.95	0.1	0.1	9.244	A
CAB	52.07	52.07	13.02	0.00	823.99	0.063	51.90	0.1	0.1	5.129	A
CA	403.75	403.75	100.94	0.00			403.75				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	449.22	449.22	112.30	0.00			449.22				

Do Something - DS2037, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1,D2,D3,D4,D5,D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - unlabelled	unlabelled	T-Junction	Two-way	0.55	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Model start time (UTC+0)	Model finish time (UTC+0)	Time segment length (min)	Run automatically
D6	DS2037	AM	ONE HOUR	07:45	09:15	15	✓

Default vehicle mix	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)

Am	Linked are	Profile type	Site O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper West		ONE HOUR	✓	538.00	100.000
B - Proposed Western Site Access		ONE HOUR	✓	40.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	320.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.000	10.000	528.000
B - Proposed Western Site Access		20.000	0.000	20.000
C - R101 Sheriff Street Upper East		310.000	10.000	0.000

Proportions

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.00	0.02	0.98
B - Proposed Western Site Access		0.50	0.00	0.50
C - R101 Sheriff Street Upper East		0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle proportion

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		10	10	10
B - Proposed Western Site Access		10	10	10
C - R101 Sheriff Street Upper East		10	10	10

Average PCU Per Veh

From	To	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		1.100	1.100	1.100
B - Proposed Western Site Access		1.100	1.100	1.100
C - R101 Sheriff Street Upper East		1.100	1.100	1.100

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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)
BAC	0.10	9.95	0.1	A	36.70	55.06
CAB	0.03	5.76	0.0	A	14.97	22.46
CA					278.67	418.00
A-B					9.18	13.76
A-C					484.50	726.75

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	30.11	30.11	7.53	0.00	503.44	0.060	29.84	0.0	0.1	8.358	A
CAB	11.06	11.06	2.76	0.00	698.77	0.019	10.98	0.0	0.0	5.757	A
CA	229.86	229.86	57.46	0.00			229.86				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	397.51	397.51	99.38	0.00			397.51				

Main results: (08:00-08:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	35.96	35.96	8.99	0.00	477.74	0.075	35.98	0.1	0.1	8.981	A
CAB	14.30	14.30	3.57	0.00	713.44	0.020	14.27	0.0	0.0	5.663	A
CA	273.37	273.37	68.34	0.00			273.37				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	474.66	474.66	118.67	0.00			474.66				

Main results: (08:15-08:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	44.04	44.04	11.01	0.00	441.81	0.100	43.51	0.1	0.1	9.948	A
CAB	19.53	19.53	4.88	0.00	734.25	0.027	19.48	0.0	0.0	5.539	A
CA	332.80	332.80	83.20	0.00			332.80				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	581.34	581.34	145.33	0.00			581.34				

Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	44.04	44.04	11.01	0.00	441.80	0.100	44.04	0.1	0.1	9.955	A
CAB	19.54	19.54	4.88	0.00	734.27	0.027	19.54	0.0	0.0	5.542	A
CA	332.79	332.79	83.20	0.00			332.79				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	581.34	581.34	145.33	0.00			581.34				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	35.96	35.96	8.99	0.00	477.73	0.075	36.08	0.1	0.1	8.970	A
CAB	14.32	14.32	3.58	0.00	713.47	0.020	14.36	0.0	0.0	5.664	A
CA	273.36	273.36	68.34	0.00			273.36				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	474.66	474.66	118.67	0.00			474.66				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	30.11	30.11	7.53	0.00	503.42	0.060	30.19	0.1	0.1	8.370	A
CAB	11.09	11.09	2.77	0.00	698.79	0.019	11.11	0.0	0.0	5.758	A
CA	229.82	229.82	57.46	0.00			229.82				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	397.51	397.51	99.38	0.00			397.51				

Do Something - DS2037, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (N)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1,D2,D3,D4,D5,D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - unutilised	unutilised	T-Junction	Two-way	0.57	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario Name	Time Period	Traffic profile type	Model start time (HH:mm)	Model finish time (HH:mm)	Time segment length (min)	Run automatically
D5	DS2037	PM	ONE HOUR	17:00	18:30	15	✓

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

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Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper West		ONE HOUR	✓	450.00	100.000
B - Proposed Western Site Access		ONE HOUR	✓	30.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	431.00	100.000

Origin-Destination Data

Demand (PCU/hr)		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East	
	0.000	23.000	427.000	
	15.000	0.000	15.000	
	408.000	23.000	0.000	

Proportions		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East	
	0.00	0.05	0.95	
	0.50	0.00	0.50	
	0.95	0.05	0.00	

Vehicle Mix

Heavy Vehicle proportion

		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East	
	10	10	10	
	10	10	10	
	10	10	10	

Average PCU Per Veh

		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Western Site Access	C - R101 Sheriff Street Upper East	
	1.100	1.100	1.100	
	1.100	1.100	1.100	
	1.100	1.100	1.100	

Main results: (17:45-18:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	5.25	0.00	453.37	0.073	33.03	0.1	0.1	9.420	A
CAB	53.84	53.84	13.48	0.00	833.16	0.065	53.84	0.1	0.1	5.085	A
CA	420.70	420.70	105.17	0.00			420.70				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	470.14	470.14	117.53	0.00			470.14				

Main results: (18:00-18:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	5.74	0.00	487.50	0.056	27.05	0.1	0.1	8.603	A
CAB	36.57	36.57	9.14	0.00	786.41	0.047	36.74	0.1	0.1	5.295	A
CA	350.89	350.89	87.72	0.00			350.89				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	383.86	383.86	95.97	0.00			383.86				

Main results: (18:15-18:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	511.81	0.044	22.64	0.1	0.1	8.097	A
CAB	27.99	27.99	7.00	0.00	760.65	0.037	28.07	0.1	0.1	5.406	A
CA	296.49	296.49	74.12	0.00			296.49				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	321.47	321.47	80.37	0.00			321.47				

Results

Results Summary for whole modelled period

Stream	Max RPC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
BAC	0.07	9.42	0.1	A	27.53	41.26
CAB	0.06	5.41	0.1	A	39.43	58.14
CA					356.06	534.10
A-B					21.11	31.66
A-C					391.82	587.73

Main Results for each time segment

Main results: (17:00-17:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	511.87	0.044	22.38	0.0	0.1	8.096	A
CAB	27.68	27.68	6.97	0.00	760.56	0.037	27.66	0.0	0.1	5.402	A
CA	296.60	296.60	74.15	0.00			296.60				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	321.47	321.47	80.37	0.00			321.47				

Main results: (17:15-17:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	5.74	0.00	487.54	0.056	26.92	0.1	0.1	8.595	A
CAB	36.51	36.51	9.13	0.00	786.30	0.046	36.43	0.1	0.1	5.283	A
CA	350.95	350.95	87.74	0.00			350.95				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	383.86	383.86	95.97	0.00			383.86				

Main results: (17:30-17:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RPC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	5.25	0.00	453.40	0.073	32.94	0.1	0.1	9.415	A
CAB	53.78	53.78	13.44	0.00	833.08	0.065	53.60	0.1	0.1	5.081	A
CA	420.76	420.76	105.19	0.00			420.76				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	470.14	470.14	117.53	0.00			470.14				

Junctions 9

PICADY 9 - Priority Intersection Module

Version 9.0.0.4211 ()
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The users of this computer program will be notified of their responsibility for the consequences of the

Filename: Proposed Eastern Site Access - R101 Sheriff Street Upper.β
Path: G:\2018\68180\159\Calculation\Summary\Summary Report generation date: 20/11/2019 12:27:35

- Do Something - DS2022, AM
- Do Something - DS2022, PM
- Do Something - DS2027, AM
- Do Something - DS2027, PM
- Do Something - DS2037, AM
- Do Something - DS2037, PM

Summary of junction performance

	AM					PM				
	Queue (PCU)	Delay (s)	B/C	LOS	Queue (PCU)	Delay (s)	B/C	LOS	Queue (PCU)	Delay (s)
Do Something - DS2022										
Stream B-AC	0.1	9.42	0.09	A	0.1	9.12	0.07	A		
Stream C-AB	0.0	5.80	0.03	A	0.1	5.34	0.06	A		
Stream C-A										
Stream A-B										
Stream A-C										
Do Something - DS2027										
Stream B-AC	0.1	8.63	0.03	A	0.1	8.31	0.07	A		
Stream C-AB	0.0	5.77	0.03	A	0.1	5.29	0.07	A		
Stream C-A										
Stream A-B										
Stream A-C										
Do Something - DS2037										
Stream B-AC	0.1	9.80	0.10	A	0.1	9.49	0.07	A		
Stream C-AB	0.0	5.74	0.03	A	0.1	5.25	0.07	A		
Stream C-A										
Stream A-B										
Stream A-C										

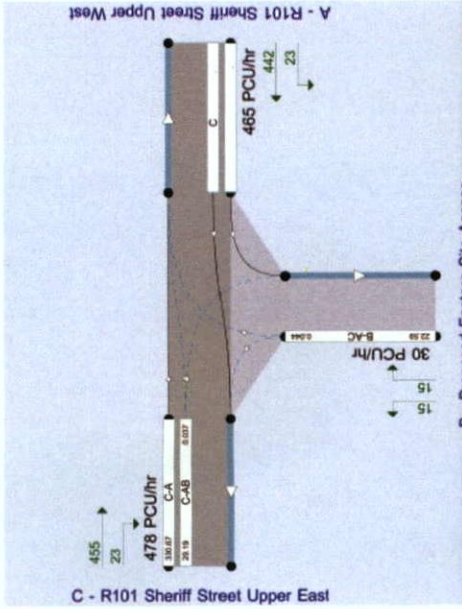
Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle.

File summary

File Description	
Title	(insert text)
Location	
Site number	
Date	04/11/2019
Version	
Status	(insert text)
Identifier	
Client	
Job number	
Estimator	HELOFFICE-janyn
Description	

Units

Customer units	Speed units	Traffic units input	Traffic units result	Flow units	Average delay units	Total delay units	Rate of delay units
m	km/h	PCU	PCU	veh/hour	s	-	veh/h



The junction diagram reflects the left hand run of Junctions

Analysis Options

Vehicle length (m)	Capacity Queue Percentage	Calculate desired opening delay	Calculate residual capacity	B/C Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	30.00	20.00

Demand Set Summary

Scenario name	Time Period (min)	Traffic profile type	Model start time (min)	Time segment length (min)	Run automatically
DS2022	AM	ONE-HOUR	07:45	15	✓
DS2022	PM	ONE-HOUR	17:00	15	✓
DS2027	AM	ONE-HOUR	07:45	15	✓
DS2027	PM	ONE-HOUR	17:00	15	✓
DS2037	AM	ONE-HOUR	07:45	15	✓
DS2037	PM	ONE-HOUR	17:00	15	✓

Do Something - DS2022, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Input in report	Use specific Demand Set	Specific Demand Set	Network flow calculation factor (PCU)	Network capacity calculation factor (PCU)
A1	Do Something	✓	✓	D1 DS2022 (A-C, B-AC, C-AB, C-A)	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - R101 Sheriff Street Upper	R101 Sheriff Street Upper	T-junction	Left	2.00	A

Junction Network Options

Ending side	Lighting
Left	Normal/functional

Arms

Arm	Name	Description	Arm type
A	R101 Sheriff Street Upper West	Major	Major
B	Proposed Eastern Site Access	Minor	Minor
C	R101 Sheriff Street Upper East	Major	Major

Major Arm Geometry

Arm	Width of carriageway (m)	How marked central reserve	How light turn bay	Visibility for right turn (m)	Shoulder? (m)	Shoulder space (m)
C - R101 Sheriff Street Upper East	7.84			100.0	✓	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 - Proposed Eastern Site Access	One way	3.90	40	40

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	567.563	0.095	0.240	0.151	0.343
1	B-C	717.880	0.101	0.256	-	-
1	C-B	631.874	0.225	0.225	-	-

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 (min)	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D1	DS2022	AM	ONE-HOUR	07:45	09:15	15	✓

Default vehicle mix	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 - R101 Sheriff Street Upper West		ONE HOUR	✓	496.00	100.000
B - Proposed Eastern Site Access		ONE HOUR	✓	40.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	291.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To			
	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	0.000	10.000	486.000	
	20.000	0.000	20.000	
	281.000	10.000	0.000	

Proportions

From	To			
	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	0.00	0.02	0.98	
	0.50	0.00	0.50	
	0.97	0.03	0.00	

Vehicle Mix

Heavy Vehicle proportion

From	To			
	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	10	10	10	
	10	10	10	
	10	10	10	

Average PCU Per Veh

From	To			
	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	1.100	1.100	1.100	
	1.100	1.100	1.100	
	1.100	1.100	1.100	

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)
BAC	0.09	9.42	0.1	A	36.70	55.06
CAB	0.03	5.80	0.0	A	14.25	21.38
CA					252.77	379.16
A-B					9.18	13.78
A-C					445.99	688.94

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	30.11	30.11	7.53	0.00	518.86	0.058	29.85	0.0	0.1	8.094	A
CAB	10.65	10.65	2.66	0.00	693.14	0.015	10.57	0.0	0.0	5.801	A
CA	208.43	208.43	52.11	0.00			208.43				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	365.89	365.89	91.47	0.00			365.89				

Main results: (08:00-08:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	35.96	35.96	8.99	0.00	496.11	0.072	35.89	0.1	0.1	8.603	A
CAB	13.66	13.66	3.41	0.00	706.46	0.019	13.63	0.0	0.0	5.715	A
CA	247.95	247.95	61.99	0.00			247.95				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	436.90	436.90	109.23	0.00			436.90				

Main results: (08:15-08:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	44.04	44.04	11.01	0.00	464.38	0.095	43.92	0.1	0.1	9.416	A
CAB	18.44	18.44	4.61	0.00	725.35	0.025	18.40	0.0	0.0	5.603	A
CA	301.95	301.95	75.49	0.00			301.95				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	535.10	535.10	133.77	0.00			535.10				

Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	44.04	44.04	11.01	0.00	464.37	0.095	44.04	0.1	0.1	9.420	A
CAB	18.45	18.45	4.61	0.00	725.36	0.025	18.45	0.0	0.0	5.603	A
CA	301.95	301.95	75.49	0.00			301.95				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	535.10	535.10	133.77	0.00			535.10				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	35.96	35.96	8.99	0.00	496.10	0.072	36.07	0.1	0.1	8.611	A
CAB	13.67	13.67	3.42	0.00	706.48	0.019	13.71	0.0	0.0	5.716	A
CA	247.93	247.93	61.98	0.00			247.93				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	436.90	436.90	109.23	0.00			436.90				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	30.11	30.11	7.53	0.00	518.84	0.058	30.19	0.1	0.1	8.104	A
CAB	10.67	10.67	2.67	0.00	693.16	0.015	10.70	0.0	0.0	5.804	A
CA	208.41	208.41	52.10	0.00			208.41				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	365.89	365.89	91.47	0.00			365.89				

Do Something - DS2022, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1,D2,D3,D4,D5,D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	T-Junction	Two-way	0.57	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period (min)	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D2	DS2022	PM	ONE-HOUR	17:00	18:30	15	✓

Default vehicle mix	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	R101 Sheriff Street Upper West		ONE HOUR	✓	422.00	100.000
B	Proposed Eastern Site Access		ONE HOUR	✓	30.00	100.000
C	R101 Sheriff Street Upper East		ONE HOUR	✓	438.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.000	23.000	399.000
B - Proposed Eastern Site Access		15.000	0.000	15.000
C - R101 Sheriff Street Upper East		415.000	23.000	0.000

Proportions

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.00	0.05	0.95
B - Proposed Eastern Site Access		0.50	0.00	0.50
C - R101 Sheriff Street Upper East		0.95	0.05	0.00

Vehicle Mix

Heavy Vehicle proportion

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		10	10	10
B - Proposed Eastern Site Access		10	10	10
C - R101 Sheriff Street Upper East		10	10	10

Average PCU Per Veh

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		1.100	1.100	1.100
B - Proposed Eastern Site Access		1.100	1.100	1.100
C - R101 Sheriff Street Upper East		1.100	1.100	1.100

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)
BAC	0.07	9.12	0.1	A	27.53	41.29
CAB	0.06	8.34	0.1	A	36.45	59.18
CA					362.47	543.70
A-B					21.11	31.66
A-C					366.13	549.19

Main Results for each time segment

Main results: (17:00-17:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	521.58	0.043	22.59	0.0	0.0	7.927	A
CAB	27.93	27.93	6.96	0.00	770.10	0.036	27.71	0.0	0.1	5.333	A
CA	301.82	301.82	75.45	0.00			301.82				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	300.39	300.39	75.10	0.00			300.39				

Main results: (17:15-17:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	6.74	0.00	499.04	0.054	26.92	0.0	0.1	8.365	A
CAB	36.53	36.53	9.13	0.00	797.37	0.046	36.45	0.1	0.1	5.206	A
CA	357.23	357.23	89.31	0.00			357.23				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	356.69	356.69	89.67	0.00			356.69				

Main results: (17:30-17:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.26	0.00	467.42	0.071	32.95	0.1	0.1	9.114	A
CAB	53.78	53.78	13.44	0.00	846.43	0.064	53.61	0.1	0.1	4.995	A
CA	428.47	428.47	107.12	0.00			428.47				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	439.31	439.31	109.83	0.00			439.31				

Main results: (17:45-18:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.26	0.00	467.39	0.071	33.03	0.1	0.1	9.116	A
CAB	53.84	53.84	13.46	0.00	846.51	0.064	53.83	0.1	0.1	4.999	A
CA	428.41	428.41	107.10	0.00			428.41				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	439.31	439.31	109.83	0.00			439.31				

Main results: (18:00-18:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	6.74	0.00	499.00	0.054	27.05	0.1	0.1	8.391	A
CAB	36.59	36.59	9.15	0.00	797.47	0.046	36.76	0.1	0.1	5.207	A
CA	357.16	357.16	89.29	0.00			357.16				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	356.69	356.69	89.67	0.00			356.69				

Main results: (18:15-18:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.65	0.00	521.53	0.043	22.64	0.1	0.1	7.938	A
CAB	28.03	28.03	7.01	0.00	770.19	0.036	28.11	0.1	0.1	5.339	A
CA	301.71	301.71	75.43	0.00			301.71				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	300.39	300.39	75.10	0.00			300.39				

Do Something - DS2027, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1 D2 D3 D4 D5 D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	T-Junction	Two-way	0.55	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D3	DS2027	AM	ONE HOUR	07:45	08:15	15	✓

Default vehicle mix	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for s 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 - R101 Sheriff Street Upper West		ONE HOUR	✓	520.00	100.000
B - Proposed Eastern Site Access		ONE HOUR	✓	40.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	306.00	100.000

Origin-Destination Data

Demand (PCU/hr)		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	A - R101 Sheriff Street Upper West	0.000	10.000	510.000
	B - Proposed Eastern Site Access	20.000	0.000	20.000
	C - R101 Sheriff Street Upper East	296.000	10.000	0.000

Proportions		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	A - R101 Sheriff Street Upper West	0.00	0.02	0.98
	B - Proposed Eastern Site Access	0.50	0.00	0.50
	C - R101 Sheriff Street Upper East	0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle proportion

Heavy Vehicle proportion		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	A - R101 Sheriff Street Upper West	10	10	10
	B - Proposed Eastern Site Access	10	10	10
	C - R101 Sheriff Street Upper East	10	10	10

Average PCU Per Veh

Average PCU Per Veh		To		
From	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East	
	A - R101 Sheriff Street Upper West	1.100	1.100	1.100
	B - Proposed Eastern Site Access	1.100	1.100	1.100
	C - R101 Sheriff Street Upper East	1.100	1.100	1.100

Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	44.04	44.04	11.01	0.00	455.83	0.097	44.04	0.1	0.1	9.618	A
CAB	18.97	18.97	4.74	0.00	731.45	0.026	18.97	0.0	0.0	5.560	A
CA	317.94	317.94	79.49	0.00			317.94				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	561.52	561.52	140.38	0.00			561.52				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	35.96	35.96	8.99	0.00	489.20	0.074	35.97	0.1	0.1	8.742	A
CAB	13.97	13.98	3.50	0.00	711.35	0.020	14.02	0.0	0.0	5.681	A
CA	261.10	261.10	65.28	0.00			261.10				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	458.48	458.48	114.62	0.00			458.48				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	30.11	30.11	7.53	0.00	513.11	0.059	30.19	0.1	0.1	8.202	A
CAB	10.86	10.86	2.72	0.00	697.16	0.016	10.90	0.0	0.0	5.772	A
CA	219.49	219.49	54.87	0.00			219.49				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	383.95	383.95	95.99	0.00			383.95				

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)
BAC	0.10	9.62	0.1	A	36.70	55.06
CAB	0.03	5.77	0.0	A	14.60	21.90
CA					266.19	399.28
A-B					9.18	13.76
A-C					467.98	701.98

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	30.11	30.11	7.53	0.00	513.13	0.059	29.84	0.0	0.1	8.190	A
CAB	10.86	10.86	2.71	0.00	697.13	0.016	10.77	0.0	0.0	5.769	A
CA	219.52	219.52	54.88	0.00			219.52				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	383.95	383.95	95.99	0.00			383.95				

Main results: (08:00-08:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	35.96	35.96	8.99	0.00	489.21	0.074	35.88	0.1	0.1	8.734	A
CAB	13.97	13.97	3.49	0.00	711.33	0.020	13.94	0.0	0.0	5.677	A
CA	261.12	261.12	65.28	0.00			261.12				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	458.48	458.48	114.62	0.00			458.48				

Main results: (08:15-08:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	44.04	44.04	11.01	0.00	455.83	0.097	43.92	0.1	0.1	9.610	A
CAB	18.96	18.96	4.74	0.00	731.44	0.026	18.92	0.0	0.0	5.567	A
CA	317.95	317.95	79.49	0.00			317.95				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	561.52	561.52	140.38	0.00			561.52				

Do Something - DS2027, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1,D2,D3,D4,D5,D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	T-Junction	Two-way	0.55	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D4	DS2027	PM	ONE HOUR	17.00	18.30	15	✓

Default vehicle mix	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 - R101 Sheriff Street Upper West		ONE HOUR	✓	444.00	100.000
B - Proposed Eastern Site Access		ONE HOUR	✓	30.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	459.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.000	23.000	421.000
B - Proposed Eastern Site Access		15.000	0.000	15.000
C - R101 Sheriff Street Upper East		436.000	23.000	0.000

Proportions

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		0.00	0.05	0.95
B - Proposed Eastern Site Access		0.50	0.00	0.50
C - R101 Sheriff Street Upper East		0.95	0.05	0.00

Vehicle Mix

Heavy Vehicle proportion

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		10	10	10
B - Proposed Eastern Site Access		10	10	10
C - R101 Sheriff Street Upper East		10	10	10

Average PCU Per Veh

From	To	A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
A - R101 Sheriff Street Upper West		1.100	1.100	1.100
B - Proposed Eastern Site Access		1.100	1.100	1.100
C - R101 Sheriff Street Upper East		1.100	1.100	1.100

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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)
BAC	0.07	9.31	0.1	A	27.53	41.29
CAB	0.07	9.29	0.1	A	40.72	61.08
CA					380.47	570.70
A-B					21.11	31.66
A-C					386.32	579.48

Main Results for each time segment

Main results: (17:00-17:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.85	0.00	515.70	0.044	22.59	0.0	0.0	8.021	A
CAB	28.59	28.59	7.15	0.00	777.12	0.037	28.59	0.0	0.0	5.287	A
CA	316.97	316.97	79.24	0.00			316.97				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	316.95	316.95	79.24	0.00			316.95				

Main results: (17:15-17:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	6.74	0.00	491.93	0.055	26.97	0.0	0.1	8.514	A
CAB	37.64	37.64	9.38	0.00	805.89	0.047	37.64	0.1	0.1	5.154	A
CA	375.09	375.09	93.77	0.00			375.09				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	378.47	378.47	94.62	0.00			378.47				

Main results: (17:30-17:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.26	0.00	408.54	0.072	32.95	0.1	0.1	9.301	A
CAB	55.90	55.90	13.96	0.00	857.96	0.065	55.73	0.1	0.1	4.936	A
CA	449.46	449.46	112.37	0.00			449.46				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	463.53	463.53	115.88	0.00			463.53				

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Main results: (17:45-18:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.26	0.00	459.52	0.072	33.03	0.1	0.1	9.306	A
CAB	55.97	55.97	13.99	0.00	858.07	0.065	55.96	0.1	0.1	4.938	A
CA	449.40	449.40	112.36	0.00			449.40				
A-B	25.32	25.32	6.33	0.00			25.32				
A-C	463.53	463.53	115.88	0.00			463.53				

Main results: (18:00-18:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.97	26.97	6.74	0.00	491.88	0.055	27.05	0.1	0.1	8.520	A
CAB	37.61	37.61	9.40	0.00	805.80	0.047	37.78	0.1	0.1	5.159	A
CA	375.02	375.02	93.76	0.00			375.02				
A-B	20.68	20.68	5.17	0.00			20.68				
A-C	378.47	378.47	94.62	0.00			378.47				

Main results: (18:15-18:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.59	22.59	5.85	0.00	515.64	0.044	22.64	0.1	0.1	8.033	A
CAB	28.70	28.70	7.17	0.00	777.21	0.037	28.78	0.1	0.1	5.293	A
CA	316.86	316.86	79.22	0.00			316.86				
A-B	17.32	17.32	4.33	0.00			17.32				
A-C	316.95	316.95	79.24	0.00			316.95				

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Do Something - DS2037, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1.D2.D3.D4.D5.D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	T-Junction	Two-way	0.54	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Model start time (HH:mm)	Model finish time (HH:mm)	Time segment length (min)	Run automatically
D6	DS2037	AM	ONE HOUR	07:45	09:15	15	✓

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

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Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper West		ONE HOUR	✓	542.00	100.000
B - Proposed Eastern Site Access		ONE HOUR	✓	40.00	100.000
C - R101 Sheriff Street Upper East		ONE HOUR	✓	320.00	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	0.000	10.000	532.000
	B - Proposed Eastern Site Access	20.000	0.000	20.000
	C - R101 Sheriff Street Upper East	310.000	10.000	0.000

Proportions

		To		
From		A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	0.00	0.02	0.98
	B - Proposed Eastern Site Access	0.50	0.00	0.50
	C - R101 Sheriff Street Upper East	0.97	0.03	0.00

Vehicle Mix

Heavy Vehicle proportion

		To		
From		A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	10	10	10
	B - Proposed Eastern Site Access	10	10	10
	C - R101 Sheriff Street Upper East	10	10	10

Average PCU Per Veh

		To		
From		A - R101 Sheriff Street Upper West	B - Proposed Eastern Site Access	C - R101 Sheriff Street Upper East
	A - R101 Sheriff Street Upper West	1.100	1.100	1.100
	B - Proposed Eastern Site Access	1.100	1.100	1.100
	C - R101 Sheriff Street Upper East	1.100	1.100	1.100

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Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	44.04	44.04	11.01	0.00	447.94	0.098	44.04	0.1	0.1	9.804	A
C-A-B	19.47	19.47	4.87	0.00	737.24	0.026	19.47	0.0	0.0	5.519	A
C-A	332.85	332.85	83.21	0.00			332.85				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	585.74	585.74	146.44	0.00			585.74				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	35.96	35.96	8.99	0.00	482.84	0.074	36.08	0.1	0.1	8.867	A
C-A-B	14.28	14.28	3.57	0.00	715.99	0.020	14.32	0.0	0.0	5.645	A
C-A	273.39	273.39	68.35	0.00			273.39				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	478.26	478.26	119.58	0.00			478.26				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	30.11	30.11	7.53	0.00	507.82	0.059	30.19	0.1	0.1	8.291	A
C-A-B	11.07	11.07	2.77	0.00	750.96	0.016	11.10	0.0	0.0	5.739	A
C-A	229.84	229.84	57.46	0.00			229.84				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	400.52	400.52	100.13	0.00			400.52				

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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-A-C	0.10	9.80	0.1	A	36.70	55.06
C-A-B	0.03	5.74	0.0	A	14.93	22.40
C-A					278.70	418.06
A-B					9.18	13.76
A-C					488.17	732.26

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	30.11	30.11	7.53	0.00	507.84	0.059	29.94	0.0	0.1	8.280	A
C-A-B	11.04	11.04	2.76	0.00	700.94	0.016	10.96	0.0	0.0	5.739	A
C-A	229.87	229.87	57.47	0.00			229.87				
A-B	7.53	7.53	1.88	0.00			7.53				
A-C	400.52	400.52	100.13	0.00			400.52				

Main results: (08:00-08:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	35.96	35.96	8.99	0.00	482.85	0.074	35.88	0.1	0.1	8.859	A
C-A-B	14.27	14.27	3.57	0.00	715.96	0.020	14.24	0.0	0.0	5.642	A
C-A	273.41	273.41	68.35	0.00			273.41				
A-B	8.99	8.99	2.25	0.00			8.99				
A-C	478.26	478.26	119.58	0.00			478.26				

Main results: (08:15-08:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-A-C	44.04	44.04	11.01	0.00	447.94	0.098	43.92	0.1	0.1	9.798	A
C-A-B	19.46	19.46	4.87	0.00	737.22	0.026	19.42	0.0	0.0	5.516	A
C-A	332.87	332.87	83.22	0.00			332.87				
A-B	11.01	11.01	2.75	0.00			11.01				
A-C	585.74	585.74	146.44	0.00			585.74				

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Do Something - DS2037, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set (s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Something	✓	✓	D1.D2.D3.D4.D5.D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	T-Junction	Two-way	0.54	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
10	DS2037	PM	ONE HOUR	17:00	18:30	15	✓

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

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Demand overview (Traffic)

Area	Current flow	Peak flow	Peak flow date	Average Demand (PCU/h)	Starting Point (N)
A - R101 Street Upper West	0	✓	✓	40.00	100.000
B - Proposed Station Site Access	0	✓	✓	30.00	100.000
C - R101 Street Upper East	0	✓	✓	410.00	100.000

Origin-Destination Data

Demand (PCU/h)

From		To	
A - R101 Street Upper West	B - Proposed Station Site Access	C - R101 Street Upper East	
From			
A - R101 Street Upper West	0.000	23.000	442.000
B - Proposed Station Site Access	15.000	0.000	15.000
C - R101 Street Upper East	455.000	23.000	0.000

Proportions

From		To	
A - R101 Street Upper West	B - Proposed Station Site Access	C - R101 Street Upper East	
From			
A - R101 Street Upper West	0.00	0.05	0.95
B - Proposed Station Site Access	0.50	0.00	0.50
C - R101 Street Upper East	0.95	0.05	0.00

Vehicle Mix

Heavy Vehicle proportion

From		To	
A - R101 Street Upper West	B - Proposed Station Site Access	C - R101 Street Upper East	
From			
A - R101 Street Upper West	10	10	10
B - Proposed Station Site Access	10	10	10
C - R101 Street Upper East	10	10	10

Average PCU Per Veh

From		To	
A - R101 Street Upper West	B - Proposed Station Site Access	C - R101 Street Upper East	
From			
A - R101 Street Upper West	1.000	1.000	1.000
B - Proposed Station Site Access	1.000	1.000	1.000
C - R101 Street Upper East	1.000	1.000	1.000

Main results: (17:45-18:30)

Station	Total Demand (PCU/h)	Junction Average (PCU/h)	Bypass Demand (PCU/h)	Capacity (PCU/h)	SPC (PCU/h)	Throughput (PCU/h)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.36	450.13	0.073	33.03	0.1	3.405	A	
C-A8	43.29	43.29	14.59	684.36	0.087	43.29	0.1	4.598	A	
C-A	468.30	468.30	117.09	0.00		468.30				
A-B	25.32	25.32	6.33			25.32				
A-C	466.65	466.65	121.66	0.00		466.65				

Main results: (18:00-18:15)

Station	Total Demand (PCU/h)	Junction Average (PCU/h)	Bypass Demand (PCU/h)	Capacity (PCU/h)	SPC (PCU/h)	Throughput (PCU/h)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.67	26.67	6.34	464.17	0.066	26.67	0.1	0.1	6.405	A
C-A8	36.16	36.16	67.79	813.16	0.047	36.16	0.1	3.115	A	
C-A	20.18	20.18	5.17	20.00		20.00				
A-B	20.18	20.18	5.17			20.00				
A-C	397.35	397.35	99.34	0.00		397.35				

Main results: (18:15-18:30)

Station	Total Demand (PCU/h)	Junction Average (PCU/h)	Bypass Demand (PCU/h)	Capacity (PCU/h)	SPC (PCU/h)	Throughput (PCU/h)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.99	22.99	5.65	510.09	0.044	22.99	0.1	0.1	6.104	A
C-A8	29.31	29.31	7.33	783.41	0.037	29.39	0.1	5.294	A	
C-A	330.55	330.55	62.64	0.00		330.55				
A-B	17.92	17.92	4.33			17.92				
A-C	332.76	332.76	83.16	0.00		332.76				

Results

Results Summary for whole modelled period

Station	Total Demand (PCU/h)	Junction Average (PCU/h)	Bypass Demand (PCU/h)	Capacity (PCU/h)	SPC (PCU/h)	Throughput (PCU/h)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	0.07	0.46	0.1	A	27.55	41.20				
C-A8	0.07	5.25	0.1	A	48.91	62.66				
C-A					386.71	566.07				
A-B					21.11	31.66				
A-C					403.59	608.38				

Main Results for each time segment

Main results: (17:00-17:15)

Station	Total Demand (PCU/h)	Junction Average (PCU/h)	Bypass Demand (PCU/h)	Capacity (PCU/h)	SPC (PCU/h)	Throughput (PCU/h)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	22.99	22.99	5.65	510.09	0.044	22.99	0.1	6.104	A	
C-A8	29.31	29.31	7.33	783.41	0.037	29.39	0.1	5.294	A	
C-A	330.55	330.55	62.64	0.00		330.55				
A-B	17.92	17.92	4.33			17.92				
A-C	332.76	332.76	83.16	0.00		332.76				

Main results: (17:15-17:30)

Station	Total Demand (PCU/h)	Junction Average (PCU/h)	Bypass Demand (PCU/h)	Capacity (PCU/h)	SPC (PCU/h)	Throughput (PCU/h)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	26.67	26.67	6.34	464.17	0.066	26.67	0.1	0.1	6.405	A
C-A8	36.16	36.16	67.79	813.16	0.047	36.16	0.1	3.115	A	
C-A	20.18	20.18	5.17	20.00		20.00				
A-B	20.18	20.18	5.17			20.00				
A-C	397.35	397.35	99.34	0.00		397.35				

Main results: (17:30-17:45)

Station	Total Demand (PCU/h)	Junction Average (PCU/h)	Bypass Demand (PCU/h)	Capacity (PCU/h)	SPC (PCU/h)	Throughput (PCU/h)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
BAC	33.03	33.03	8.36	450.13	0.073	33.03	0.1	3.405	A	
C-A8	43.29	43.29	14.59	684.36	0.087	43.29	0.1	4.598	A	
C-A	468.30	468.30	117.09	0.00		468.30				
A-B	25.32	25.32	6.33			25.32				
A-C	466.65	466.65	121.66	0.00		466.65				

Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.0.0.4211
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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: R101 Sheriff Street Upper - Castleforbes Road - Existing Site Access.j9
Path: G:\2018\p180159\Calcs\picady
Report generation date: 26/11/2019 12:52:30

- Do Nothing - DN2022, AM
- Do Nothing - DN2022, PM
- Do Nothing - DN2027, AM
- Do Nothing - DN2027, PM
- Do Nothing - DN2037, AM
- Do Nothing - DN2037, PM

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
Do Nothing - DN2022								
Stream B-ACD	0.3	8.10	0.23	A	0.5	8.65	0.32	A
Stream A-BCD	0.0	5.52	0.02	A	0.0	5.35	0.01	A
Stream A-B								
Stream A-C								
Stream D-ABC	0.0	8.20	0.01	A	0.0	8.76	0.04	A
Stream C-ABD	0.8	6.97	0.32	A	0.3	5.76	0.16	A
Stream C-D								
Stream C-A								
Do Nothing - DN2027								
Stream B-ACD	0.4	8.26	0.24	A	0.5	8.81	0.33	A
Stream A-BCD	0.0	5.49	0.02	A	0.0	5.30	0.01	A
Stream A-B								
Stream A-C								
Stream D-ABC	0.0	8.25	0.01	A	0.1	8.88	0.04	A
Stream C-ABD	0.8	7.02	0.34	A	0.4	5.73	0.17	A
Stream C-D								
Stream C-A								
Do Nothing - DN2037								
Stream B-ACD	0.4	8.40	0.25	A	0.6	8.99	0.34	A
Stream A-BCD	0.0	5.46	0.03	A	0.0	5.27	0.01	A
Stream A-B								
Stream A-C								
Stream D-ABC	0.0	8.31	0.01	A	0.1	8.92	0.05	A
Stream C-ABD	0.9	7.09	0.35	A	0.4	5.70	0.18	A
Stream C-D								
Stream C-A								

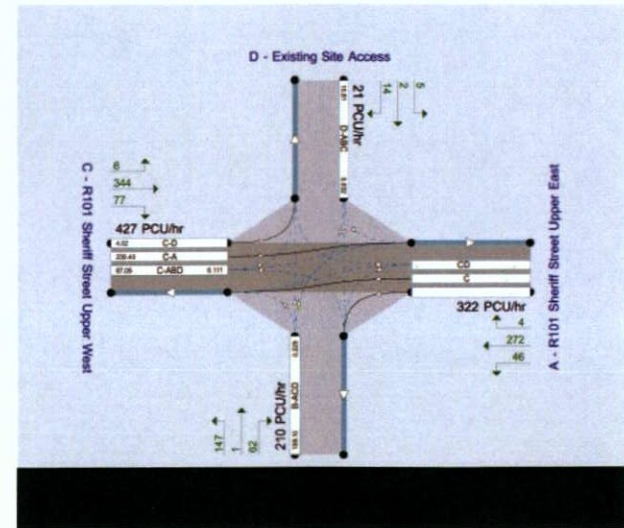
Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle

File summary

File Description	
Title	(untitled)
Location	
Site number	
Date	13/11/2019
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	HEADOFFICE\gendyh
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	km/h	PCU	PCU	veh/hour	s	km	veh/km



The junction diagram reflects the last run of Junctions

Analysis Options

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

Demand Set Summary

Scenario name	Time Period name	Traffic profile type	Model start time (hh:mm)	Model finish time (hh:mm)	Time segment length (mins)	Run automatically
DN2022	AM	ONE HOUR	07:45	09:15	15	✓
DN2022	PM	ONE HOUR	17:00	18:30	15	✓
DN2027	AM	ONE HOUR	07:45	09:15	15	✓
DN2027	PM	ONE HOUR	17:00	18:30	15	✓
DN2037	AM	ONE HOUR	07:45	09:15	15	✓
DN2037	PM	ONE HOUR	17:00	18:30	15	✓

Do Nothing - DN2022, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Nothing	✓	✓	D1,D2,D3,D4,D5,D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	Crossroads	Two-way	3.17	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	R101 Sheriff Street Upper East	Major	
B	Castleforbes Road	Minor	
C	R101 Sheriff Street Upper West	Major	
D	Existing Site Access	Minor	

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocked	Blocking queue (PCU)
A - R101 Sheriff Street Upper East	20.00			100.0	✓	0.00
C - R101 Sheriff Street Upper West	20.00			100.0	✓	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 - Castleforbes Road	One lane	5.00	40	40
D - Existing Site Access	One lane	2.50	40	40

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B	Slope for D-C
1	A-D	631.874	-	-	-	-	-	-	0.096	0.137	0.096	-	-	-
1	B-A	621.335	0.044	0.112	-	-	-	0.070	0.160	-	0.112	0.112	0.096	-
1	B-C	785.894	0.047	0.119	-	-	-	-	-	-	-	-	-	-
1	B-D, nearside lane	621.335	0.044	0.112	0.112	-	-	-	0.070	0.160	0.070	-	-	-
1	B-D, offside lane	621.335	0.044	0.112	0.112	-	-	-	0.070	0.160	0.070	-	-	-
1	C-B	631.874	0.096	0.096	0.137	-	-	-	-	-	-	-	-	-
1	D-A	648.228	-	-	-	-	-	-	0.096	-	0.039	-	-	-
1	D-B, nearside lane	512.495	0.058	0.058	0.132	-	-	-	0.062	0.062	0.036	-	-	-
1	D-B, offside lane	512.495	0.058	0.058	0.132	-	-	-	0.062	0.062	0.036	-	-	-
1	D-C	512.495	-	0.058	0.132	0.045	0.092	0.092	0.092	0.092	0.036	-	-	-

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	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (mins)	Run automatically
D1	DN222	AM	ONE HOUR	07:45	09:15	15	✓

Default vehicle mix	Vehicle mix varies over time	Vehicle mix varies over entry	Vehicle mix amount	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)	Seating Factor (%)
A - R101 Sheriff Street Upper East		ONE HOUR	✓	276.00	100.000
B - Castleforbes Road		ONE HOUR	✓	135.00	100.000
C - R101 Sheriff Street Upper West		ONE HOUR	✓	466.00	100.000
D - Existing Site Access		ONE HOUR	✓	6.00	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
From A - R101 Sheriff Street Upper East	0.000	69.000	198.000	9.000
From B - Castleforbes Road	57.000	0.000	71.000	7.000
From C - R101 Sheriff Street Upper West	303.000	141.000	0.000	22.000
From D - Existing Site Access	2.000	2.000	2.000	0.000

Proportions

	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
From A - R101 Sheriff Street Upper East	0.00	0.25	0.72	0.03
From B - Castleforbes Road	0.42	0.00	0.63	0.00
From C - R101 Sheriff Street Upper West	0.65	0.30	0.00	0.05
From D - Existing Site Access	0.33	0.33	0.33	0.00

Vehicle Mix

Heavy Vehicle proportion

	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
From A - R101 Sheriff Street Upper East	10	10	10	10
From B - Castleforbes Road	10	10	10	10
From C - R101 Sheriff Street Upper West	10	10	10	10
From D - Existing Site Access	10	10	10	10

Average PCU Per Veh

	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
From A - R101 Sheriff Street Upper East	1.100	1.100	1.100	1.100
From B - Castleforbes Road	1.100	1.100	1.100	1.100
From C - R101 Sheriff Street Upper West	1.100	1.100	1.100	1.100
From D - Existing Site Access	1.100	1.100	1.100	1.100

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.23	8.10	0.3	A	123.88	165.82
A-BCD	0.02	5.52	0.0	A	12.13	18.20
A-B					62.32	93.47
A-C					178.82	268.23
D-ABC	0.01	8.20	0.0	A	5.51	8.26
C-ABD	0.32	6.97	0.8	A	208.49	312.74
C-D					14.83	22.25
C-A					204.29	306.43

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	101.64	101.64	25.41	0.00	657.32	0.156	100.84	0.0	0.2	7.106	A
A-BCD	9.22	9.22	2.31	0.00	727.13	0.013	9.16	0.0	0.0	5.515	A
A-B	51.31	51.31	12.83	0.00			51.31				
A-C	147.25	147.25	36.81	0.00			147.25				
D-ABC	4.52	4.52	1.13	0.00	509.46	0.009	4.48	0.0	0.0	7.842	A
C-ABD	154.83	154.83	36.71	0.00	772.89	0.200	153.33	0.0	0.4	6.386	A
C-D	13.27	13.27	3.32	0.00			13.27				
C-A	182.73	182.73	46.68	0.00			182.73				

Main results: (08:00-08:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	121.36	121.36	30.34	0.00	649.08	0.187	121.16	0.2	0.3	7.465	A
A-BCD	11.68	11.68	2.92	0.00	745.74	0.016	11.66	0.0	0.0	5.394	A
A-B	61.10	61.10	15.28	0.00			61.10				
A-C	175.34	175.34	43.83	0.00			175.34				
D-ABC	5.39	5.39	1.35	0.00	501.17	0.011	5.39	0.0	0.0	7.987	A
C-ABD	199.07	199.07	49.77	0.00	800.92	0.249	198.53	0.4	0.5	6.580	A
C-D	14.88	14.88	3.72	0.00			14.88				
C-A	204.97	204.97	51.24	0.00			204.97				

Main results: (08:15-08:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	148.64	148.64	37.16	0.00	637.73	0.233	148.32	0.3	0.3	8.086	A
A-BCD	15.47	15.47	3.87	0.00	771.67	0.020	15.44	0.0	0.0	5.236	A
A-B	74.53	74.53	18.63	0.00			74.53				
A-C	213.87	213.87	53.47	0.00			213.87				
D-ABC	6.61	6.61	1.65	0.00	489.81	0.013	6.59	0.0	0.0	8.195	A
C-ABD	270.84	270.84	67.71	0.00	840.05	0.322	269.85	0.5	0.8	6.948	A
C-D	16.40	16.40	4.10	0.00			16.40				
C-A	225.83	225.83	56.46	0.00			225.83				

Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	148.64	148.64	37.16	0.00	637.66	0.233	148.63	0.3	0.3	8.097	A
A-BCD	15.48	15.48	3.87	0.00	771.48	0.020	15.48	0.0	0.0	5.237	A
A-B	74.53	74.53	18.63	0.00			74.53				
A-C	213.87	213.87	53.47	0.00			213.87				
D-ABC	6.61	6.61	1.65	0.00	489.71	0.013	6.61	0.0	0.0	8.196	A
C-ABD	271.21	271.21	67.80	0.00	841.01	0.322	271.18	0.8	0.8	6.974	A
C-D	16.37	16.37	4.09	0.00			16.37				
C-A	225.49	225.49	56.37	0.00			225.49				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	121.36	121.36	30.34	0.00	648.96	0.187	121.67	0.3	0.3	7.516	A
A-BCD	11.69	11.69	2.92	0.00	745.60	0.016	11.72	0.0	0.0	5.395	A
A-B	61.10	61.10	15.27	0.00			61.10				
A-C	175.33	175.33	43.83	0.00			175.33				
D-ABC	5.39	5.39	1.35	0.00	501.02	0.011	5.41	0.0	0.0	7.989	A
C-ABD	199.52	199.52	49.88	0.00	801.46	0.249	200.47	0.5	0.5	6.612	A
C-D	14.85	14.85	3.71	0.00			14.85				
C-A	204.58	204.58	51.14	0.00			204.58				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	101.64	101.64	25.41	0.00	657.14	0.155	101.64	0.3	0.2	7.133	A
A-BCD	9.24	9.24	2.31	0.00	726.92	0.013	9.26	0.0	0.0	5.519	A
A-B	91.31	91.31	12.83	0.00			91.31				
A-C	147.24	147.24	36.81	0.00			147.24				
D-ABC	4.52	4.52	1.13	0.00	509.26	0.009	4.53	0.0	0.0	7.845	A
C-ABD	156.47	156.47	38.87	0.00	773.38	0.201	156.03	0.6	0.4	8.428	A
C-D	13.22	13.22	3.31	0.00			13.22				
C-A	162.14	162.14	45.53	0.00			162.14				

Do Nothing - DN2022, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Nothing	✓	✓	D1,D2,D3,D4,D5,D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	Crossroads	Two-way	2.86	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Model start time (HH:mm)	Model finish time (HH:mm)	Time segment length (min)	Run automatically
D2	DN2022	PM	ONE HOUR	17:00	18:30	15	✓

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

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Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper East		ONE HOUR	✓	289.00	100.000
B - Castleforbes Road		ONE HOUR	✓	156.00	100.000
C - R101 Sheriff Street Upper West		ONE HOUR	✓	383.00	100.000
D - Existing Site Access		ONE HOUR	✓	18.00	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	0.000	43.000	243.000	3.000
	B - Castleforbes Road	60.000	0.000	137.000	1.000
	C - R101 Sheriff Street Upper West	307.000	71.000	0.000	5.000
	D - Existing Site Access	4.000	2.000	12.000	0.000

Proportions

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	0.00	0.15	0.84	0.01
	B - Castleforbes Road	0.30	0.00	0.69	0.01
	C - R101 Sheriff Street Upper West	0.80	0.19	0.00	0.01
	D - Existing Site Access	0.22	0.11	0.67	0.00

Vehicle Mix

Heavy Vehicle proportion

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	10	10	10	10
	B - Castleforbes Road	10	10	10	10
	C - R101 Sheriff Street Upper West	10	10	10	10
	D - Existing Site Access	10	10	10	10

Average PCU Per Veh

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	1.100	1.100	1.100	1.100
	B - Castleforbes Road	1.100	1.100	1.100	1.100
	C - R101 Sheriff Street Upper West	1.100	1.100	1.100	1.100
	D - Existing Site Access	1.100	1.100	1.100	1.100

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.32	6.65	0.5	A	181.69	272.53
A-BCD	0.01	6.35	0.0	A	4.11	6.17
A-B					39.25	58.88
A-C					221.82	332.74
D-ABC	0.04	8.76	0.0	A	16.52	24.78
C-ABD	0.16	5.76	0.3	A	102.81	154.22
C-D					3.98	5.98
C-A					244.65	366.98

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Main Results for each time segment

Main results: (17:00-17:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	149.06	149.06	37.27	0.00	692.23	0.215	147.87	0.0	0.3	7.258	A
A-BCD	3.12	3.12	0.78	0.00	743.57	0.004	3.10	0.0	0.0	5.347	A
A-B	32.24	32.24	8.06	0.00			32.24				
A-C	182.21	182.21	45.55	0.00			182.21				
D-ABC	13.55	13.55	3.39	0.00	493.02	0.027	13.43	0.0	0.0	8.255	A
C-ABD	76.89	76.89	19.22	0.00	765.82	0.100	75.16	0.0	0.2	5.740	A
C-D	3.39	3.39	0.85	0.00			3.39				
C-A	208.07	208.07	52.02	0.00			208.07				

Main results: (17:15-17:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	178.00	178.00	44.50	0.00	685.40	0.260	177.57	0.3	0.4	7.795	A
A-BCD	3.96	3.96	0.99	0.00	765.15	0.005	3.96	0.0	0.0	5.201	A
A-B	38.47	38.47	9.62	0.00			38.47				
A-C	217.37	217.37	54.34	0.00			217.37				
D-ABC	16.18	16.18	4.05	0.00	484.18	0.033	16.15	0.0	0.0	8.481	A
C-ABD	98.60	98.60	24.65	0.00	792.36	0.124	98.37	0.2	0.2	5.711	A
C-D	3.94	3.94	0.98	0.00			3.94				
C-A	241.77	241.77	60.44	0.00			241.77				

Main results: (17:30-17:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	218.00	218.00	54.50	0.00	675.97	0.323	217.46	0.4	0.5	8.626	A
A-BCD	5.25	5.25	1.31	0.00	704.81	0.007	5.25	0.0	0.0	5.015	A
A-B	47.05	47.05	11.76	0.00			47.05				
A-C	265.89	265.89	66.47	0.00			265.89				
D-ABC	19.82	19.82	4.95	0.00	472.05	0.042	19.78	0.0	0.0	8.796	A
C-ABD	132.67	132.67	33.17	0.00	828.96	0.160	132.29	0.2	0.3	5.690	A
C-D	4.63	4.63	1.16	0.00			4.63				
C-A	284.39	284.39	71.10	0.00			284.39				

Main results: (17:45-18:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	218.00	218.00	54.50	0.00	675.94	0.323	217.99	0.5	0.5	8.647	A
A-BCD	5.26	5.26	1.31	0.00	704.78	0.007	5.26	0.0	0.0	5.017	A
A-B	47.05	47.05	11.76	0.00			47.05				
A-C	265.89	265.89	66.47	0.00			265.89				
D-ABC	19.82	19.82	4.95	0.00	471.98	0.042	19.82	0.0	0.0	8.757	A
C-ABD	132.79	132.79	33.30	0.00	829.12	0.160	132.78	0.3	0.3	5.696	A
C-D	4.63	4.63	1.16	0.00			4.63				
C-A	284.27	284.27	71.07	0.00			284.27				

Main results: (18:00-18:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	178.00	178.00	44.50	0.00	685.37	0.260	178.52	0.5	0.4	7.822	A
A-BCD	3.96	3.96	0.99	0.00	765.09	0.005	3.97	0.0	0.0	5.202	A
A-B	38.47	38.47	9.62	0.00			38.47				
A-C	217.37	217.37	54.34	0.00			217.37				
D-ABC	16.18	16.18	4.05	0.00	484.07	0.033	16.22	0.0	0.0	8.454	A
C-ABD	98.76	98.76	24.69	0.00	792.58	0.125	99.13	0.3	0.2	5.720	A
C-D	3.94	3.94	0.98	0.00			3.94				
C-A	241.61	241.61	60.40	0.00			241.61				

Main results: (18:15-18:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	149.06	149.06	37.27	0.00	692.16	0.215	148.41	0.4	0.3	7.302	A
A-BCD	3.13	3.13	0.78	0.00	743.47	0.004	3.13	0.0	0.0	5.348	A
A-B	32.24	32.24	8.06	0.00			32.24				
A-C	182.20	182.20	45.55	0.00			182.20				
D-ABC	13.55	13.55	3.39	0.00	492.84	0.028	13.58	0.0	0.0	8.264	A
C-ABD	77.17	77.17	19.29	0.00	766.05	0.101	77.40	0.2	0.2	5.755	A
C-D	3.38	3.38	0.85	0.00			3.38				
C-A	207.79	207.79	51.96	0.00			207.79				



Do Nothing - DN2027, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Nothing	✓	✓	D1,D2,D3,D4,D5,D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	Crossroads	Two-way	3.21	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	Traffic profile type	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D0	DN2027	AM	ONE HOUR	07:45	09:15	15	✓

Default vehicle mix	Vehicle mix varies over time	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 D-G data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper East		ONE HOUR	✓	291.00	100.000
B - Castleforbes Road		ONE HOUR	✓	140.00	100.000
C - R101 Sheriff Street Upper West		ONE HOUR	✓	490.00	100.000
D - Existing Site Access		ONE HOUR	✓	6.00	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	0.000	70.000	211.000	10.000
	B - Castleforbes Road	59.000	0.000	73.000	8.000
	C - R101 Sheriff Street Upper West	522.000	145.000	0.000	23.000
	D - Existing Site Access	2.000	2.000	2.000	0.000

Proportions

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	0.00	0.24	0.73	0.03
	B - Castleforbes Road	0.42	0.00	0.52	0.06
	C - R101 Sheriff Street Upper West	0.66	0.30	0.00	0.05
	D - Existing Site Access	0.33	0.33	0.33	0.00

Vehicle Mix

Heavy Vehicle proportion

	From	To	
		A- R101 Street Upper East	C- R101 Street Upper West
A- R101 Street Upper East	10	10	10
B- Castelforces Road	10	10	10
C- R101 Street Upper West	10	10	10
D- Coasting Site Access	10	10	10

Average PCU Per Veh

	From	To	
		A- R101 Street Upper East	C- R101 Street Upper West
A- R101 Street Upper East	1.00	1.00	1.00
B- Castelforces Road	1.00	1.00	1.00
C- R101 Street Upper West	1.00	1.00	1.00
D- Coasting Site Access	1.00	1.00	1.00

Results

Results Summary for whole modelled period

Stream	Main RVC	Main delay (h)	Main Queue (PCUs)	Main LOS	Average Demand (PCUs/h)	Total Junction Arrivals (PCUs)
A-B-C-D	0.24	8.26	0.4	A	128.47	152.70
A-B-C-D	0.02	5.46	0.0	A	13.74	20.61
A-B						94.65
A-C					150.19	262.29
D-B-C	0.01	8.26	0.0	A	5.51	8.26
C-A-B-D	0.34	7.02	0.8	A	220.66	330.99
C-D					15.28	22.60
C-A					213.71	320.56

Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total Demand (pcu/h)	Junction Arrivals (pcu/h)	Bygone demand (pcu/h)	Capacity (pcu/h)	RVC	Throughput (pcu/h)	Start queue (pcu)	End queue (pcu)	Delay (h)	LOS
B-	105.40	105.40	0.00	554.24	0.191	104.56	0.0	0.2	7.194	A
A-C-D	10.41	10.41	2.60	732.32	0.014	10.33	0.0	0.0	5.484	A
B-C-D	51.98	51.98	13.00	0.00		51.98				
A-B	156.67	156.69	36.17	0.00		156.69				
D	4.52	4.52	1.13	0.00	907.19	0.009	4.48	0.0	7.877	A
A-B-D	102.85	102.86	40.71	0.00	781.78	0.208	161.26	0.0	6.374	A
C-D	13.74	13.74	3.43	0.00		13.74				
C-A	92.31	102.31	40.08	0.00		102.31				

Main results: (08:00-08:15)

Stream	Total Demand (pcu/h)	Junction Arrivals (pcu/h)	Bygone demand (pcu/h)	Capacity (pcu/h)	RVC	Throughput (pcu/h)	Start queue (pcu)	End queue (pcu)	Delay (h)	LOS	
B-ACD	125.86	125.86	31.46	0.00	645.52	0.195	125.84	0.2	0.3	7.613	A
A-B	13.22	13.22	3.30	0.00	751.92	0.018	13.20	0.0	0.0	5.360	A
A-B	61.68	61.68	15.47	0.00		61.68					
A-D	186.51	186.51	46.63	0.00		186.51					
A-B-C	5.59	5.59	1.35	0.00	688.44	0.011	5.39	0.0	0.0	8.031	A
A-B-D	210.26	210.26	52.57	0.00	811.58	0.208	209.68	0.4	0.5	6.596	A
A-B	15.35	15.35	3.84	0.00		15.35					
C-A	214.69	214.69	53.72	0.00		214.69					

Main results: (08:15-08:30)

Stream	Total Demand (pcu/h)	Junction Arrivals (pcu/h)	Bygone demand (pcu/h)	Capacity (pcu/h)	RFC	Throughput (pcu/h)	Start queue (pcu)	End queue (pcu)	Delay (s)	LOS	
B	154.14	154.14	38.54	0.00	633.51	0.243	153.80	0.3	0.3	8.249	A
A-C-D	17.57	17.57	4.39	0.00	779.09	0.023	17.54	0.0	0.0	5.199	A
B-C-D	75.44	75.44	18.86	0.00		75.44					
A-C	227.39	227.39	56.85	0.00		227.39					
D	6.61	6.61	1.65	0.00	466.45	0.014	6.59	0.0	0.0	8.252	A
A-B-C	285.04	285.04	72.01	0.00	853.98	0.337	285.00	0.5	0.8	6.996	A
A-B-D	16.78	16.78	4.19	0.00		16.78					
C-D	234.69	234.69	58.67	0.00		234.69					

Main results: (08:30-08:45)

Stream	Total Demand (pcu/h)	Arrival Demand (pcu/h)	Junction Arrivals (pcu/h)	Bygone Demand (pcu/h)	Capacity (pcu/h)	RVC	Throughput (pcu/h)	Start queue (pcu)	End queue (pcu)	Delay (h)	LOS
B-	154.14	154.14	38.54	0.00	633.43	0.243	154.13	0.3	0.4	8.261	A
A-C-D	17.68	17.68	4.39	0.00	778.59	0.023	17.68	0.0	0.0	5.200	A
B-C-D	75.44	75.44	18.86	0.00			75.44				
A-B	227.38	227.38	56.95	0.00			227.38				
A-C	6.61	6.61	1.65	0.00	466.34	0.014	6.61	0.0	0.0	8.254	A
D	288.47	288.47	72.12	0.00	854.40	0.338	288.44	0.8	0.8	7.022	A
A-B-D	16.74	16.74	4.18	0.00			16.74				
C-D	234.29	234.29	58.57	0.00			234.29				

Main results: (08:45-09:00)

Stream	Total Demand (pcu/h)	Throughput (pcu/h)	Junction arrival (pcu/h)	Bygone demand (pcu/h)	Capacity (pcu/h)	RVC	Throughput (pcu/h)	Start queue (pcu)	End queue (pcu)	Delay (s)	LOS
B-ACD	125.86	125.86	31.46	0.00	645.40	0.195	125.19	0.4	0.3	7.833	A
A-C-D	13.23	13.23	3.31	0.00	761.76	0.018	13.26	0.0	0.0	6.364	A
B-C-D	61.87	61.87	15.47	0.00			61.87				
A-B	186.50	186.50	46.62	0.00			186.50				
A-CABC	5.39	5.39	1.35	0.00	468.27	0.011	5.41	0.0	0.0	8.036	A
C-D	210.78	210.78	52.69	0.00	812.21	0.260	211.84	0.6	0.6	6.624	A
A-B-D	15.31	15.31	3.83	0.00			15.31				
C-A	214.41	214.41	53.00	0.00			214.41				

Main results: (09:00-09:15)

Stream	Total Demand (pcu/h)	Arrival from demand (pcu/h)	Arrival from junction (pcu/h)	Bygone demand (pcu/h)	Capacity (pcu/h)	RFC	Throughput (pcu/h)	Start queue (pcu)	End queue (pcu)	Delay (h)	LOS
B-	105.40	105.40	25.35	0.00	654.05	0.191	105.62	0.3	0.2	7.225	A
A-C-D	10.43	10.43	2.61	0.00	732.10	0.014	10.45	0.0	0.0	5.457	A
B-C-D	51.98	51.98	12.89	0.00		51.98					
A-B	156.67	156.67	36.17	0.00		156.67					
A-C	4.52	4.52	1.13	0.00	508.97	0.009	4.53	0.0	0.0	7.882	A
D	163.56	163.56	40.89	0.00	782.34	0.209	164.18	0.6	0.4	6.423	A
A-B-D	13.69	13.69	3.42	0.00		13.69					
C-D	191.65	191.65	47.81	0.00		191.65					

Do Nothing - DN2027, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Includes in report	Use specific Demand (mg)	Specific Demand (mg)	Network flow scaling factor (%)	Network capacity scaling factor (%)
1	Do Nothing	✓	✓	DN2027, DN2028	100.000	100.000

Junction Network

Junction	Name	Junction Type	Major road direction	Junction Delay (h)	Junction LOS
1 - unsorted	Castelforces	Throughway		2.87	A

Junction Network Options

Same as above

Arms

Same as above

Major Arm Geometry

Same as above

Minor Arm Geometry

Same as above

Slope / Intercept / Capacity

Same as above

Traffic Demand

Demand Set Details

ID	Stream	Flow Period name	Traffic profile name	Market entry time (hh:mm)	Market peak time (hh:mm)	Time adjustment length (min)	Flow automatically
1	DN2027	PM	CHE-FOUR	17:00	18:30	15	✓

Default vehicle mix	Vehicle mix ratio per flow	Vehicle mix ratio per entry	PCU Factor for a MV (PCU)	10 Percentages
✓	✓	✓	2.00	

Demand overview (Traffic)

Arm	Linked arm	Profile type	Size O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper East		ONE HOUR	✓	306.00	100.000
B - Castleforbes Road		ONE HOUR	✓	204.00	100.000
C - R101 Sheriff Street Upper West		ONE HOUR	✓	406.00	100.000
D - Existing Site Access		ONE HOUR	✓	19.00	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
A - R101 Sheriff Street Upper East	0.000	46.000	258.000	3.000
B - Castleforbes Road	61.000	0.000	142.000	1.000
C - R101 Sheriff Street Upper West	326.000	74.000	0.000	6.000
D - Existing Site Access	4.000	2.000	13.000	0.000

Proportions

From	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
A - R101 Sheriff Street Upper East	0.00	0.15	0.84	0.01
B - Castleforbes Road	0.30	0.00	0.70	0.00
C - R101 Sheriff Street Upper West	0.80	0.18	0.00	0.01
D - Existing Site Access	0.21	0.11	0.68	0.00

Vehicle Mix

Heavy Vehicle proportion

From	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
A - R101 Sheriff Street Upper East	10	10	10	10
B - Castleforbes Road	10	10	10	10
C - R101 Sheriff Street Upper West	10	10	10	10
D - Existing Site Access	10	10	10	10

Average PCU Per Veh

From	To			
	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
A - R101 Sheriff Street Upper East	1.100	1.100	1.100	1.100
B - Castleforbes Road	1.100	1.100	1.100	1.100
C - R101 Sheriff Street Upper West	1.100	1.100	1.100	1.100
D - Existing Site Access	1.100	1.100	1.100	1.100

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.33	5.81	0.5	A	187.19	280.79
A-BCD	0.01	5.30	0.0	A	4.21	6.31
A-B					41.08	61.62
A-C					235.51	353.29
D-ABC	0.04	8.88	0.1	A	17.43	26.15
C-ABD	0.17	5.73	0.4	A	110.23	165.36
C-D					4.74	7.11
C-A					257.58	386.37

Main Results for each time segment

Main results: (17:00-17:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	153.58	153.58	38.40	0.00	691.06	0.222	152.34	0.0	0.3	7.335	A
A-BCD	3.18	3.18	0.80	0.00	750.23	0.004	3.16	0.0	0.0	5.300	A
A-B	33.74	33.74	8.44	0.00			33.74				
A-C	193.45	193.45	48.36	0.00			193.45				
D-ABC	14.30	14.30	3.58	0.00	488.93	0.029	14.17	0.0	0.0	8.339	A
C-ABD	81.97	81.97	20.46	0.00	774.63	0.106	81.19	0.0	0.2	5.709	A
C-D	4.04	4.04	1.01	0.00			4.04				
C-A	219.64	219.64	54.91	0.00			219.64				

Main results: (17:15-17:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	183.39	183.39	45.86	0.00	683.85	0.268	183.04	0.3	0.4	7.901	A
A-BCD	4.05	4.05	1.01	0.00	773.05	0.005	4.04	0.0	0.0	5.148	A
A-B	40.25	40.25	10.06	0.00			40.25				
A-C	230.79	230.79	57.70	0.00			230.79				
D-ABC	17.08	17.08	4.27	0.00	475.55	0.036	17.05	0.0	0.0	8.562	A
C-ABD	105.57	105.57	26.36	0.00	802.92	0.131	105.32	0.2	0.3	5.679	A
C-D	4.69	4.69	1.17	0.00			4.69				
C-A	254.73	254.73	63.68	0.00			254.73				

Main results: (17:30-17:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	224.61	224.61	56.15	0.00	673.88	0.333	224.03	0.4	0.5	8.791	A
A-BCD	5.39	5.39	1.35	0.00	804.35	0.007	5.38	0.0	0.0	4.955	A
A-B	49.24	49.24	12.31	0.00			49.24				
A-C	282.29	282.29	70.57	0.00			282.29				
D-ABC	20.92	20.92	5.23	0.00	466.69	0.045	20.88	0.0	0.1	8.881	A
C-ABD	142.83	142.83	35.71	0.00	841.90	0.170	142.41	0.3	0.4	5.666	A
C-D	5.50	5.50	1.37	0.00			5.50				
C-A	298.69	298.69	74.87	0.00			298.69				

Main results: (17:45-18:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	224.61	224.61	56.15	0.00	673.85	0.333	224.59	0.5	0.5	8.814	A
A-BCD	5.39	5.39	1.35	0.00	804.33	0.007	5.39	0.0	0.0	4.958	A
A-B	49.24	49.24	12.31	0.00			49.24				
A-C	282.29	282.29	70.57	0.00			282.29				
D-ABC	20.92	20.92	5.23	0.00	466.61	0.045	20.82	0.1	0.1	8.884	A
C-ABD	142.97	142.97	35.74	0.00	842.06	0.170	142.96	0.4	0.4	5.674	A
C-D	5.49	5.49	1.37	0.00			5.49				
C-A	298.55	298.55	74.84	0.00			298.55				

Main results: (18:00-18:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	183.39	183.39	45.85	0.00	683.81	0.268	183.94	0.5	0.4	7.930	A
A-BCD	4.05	4.05	1.01	0.00	772.98	0.005	4.06	0.0	0.0	5.151	A
A-B	40.25	40.25	10.06	0.00			40.25				
A-C	230.78	230.78	57.70	0.00			230.78				
D-ABC	17.08	17.08	4.27	0.00	475.43	0.036	17.12	0.1	0.0	8.566	A
C-ABD	105.76	105.76	26.44	0.00	803.16	0.132	106.16	0.4	0.3	5.692	A
C-D	4.68	4.68	1.17	0.00			4.68				
C-A	254.54	254.54	63.64	0.00			254.54				

Main results: (18:15-18:30)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	153.58	153.58	38.40	0.00	690.99	0.222	153.94	0.4	0.3	7.380	A
A-BCD	3.19	3.19	0.80	0.00	750.13	0.004	3.19	0.0	0.0	5.303	A
A-B	33.74	33.74	8.44	0.00			33.74				
A-C	193.45	193.45	48.36	0.00			193.45				
D-ABC	14.30	14.30	3.58	0.00	488.74	0.029	14.33	0.0	0.0	8.347	A
C-ABD	82.29	82.29	20.57	0.00	774.89	0.106	82.56	0.3	0.2	5.727	A
C-D	4.04	4.04	1.01	0.00			4.04				
C-A	219.33	219.33	54.83	0.00			219.33				

Do Nothing - DN2037, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Nothing	✓	✓	D1 D2 D3 D4 D5 D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	Crossroads	Two-way	3.26	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Model start time (H:M:SS)	Model finish time (H:M:SS)	Time segment length (min)	Run automatically
D6	DN2037	AM	ONE HOUR	07:45	09:15	15	✓

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

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Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper East		ONE HOUR	✓	304.00	100.000
B - Castleforbes Road		ONE HOUR	✓	145.00	100.000
C - R101 Sheriff Street Upper West		ONE HOUR	✓	513.00	100.000
D - Existing Site Access		ONE HOUR	✓	6.00	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	0.000	71.000	222.000	11.000
	B - Castleforbes Road	61.000	0.000	76.000	8.000
	C - R101 Sheriff Street Upper West	339.000	149.000	0.000	25.000
	D - Existing Site Access	2.000	2.000	2.000	0.000

Proportions

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	0.06	0.23	0.73	0.04
	B - Castleforbes Road	0.42	0.00	0.52	0.06
	C - R101 Sheriff Street Upper West	0.66	0.29	0.00	0.05
	D - Existing Site Access	0.33	0.33	0.33	0.00

Vehicle Mix

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Heavy Vehicle proportion

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	10	10	10	10
	B - Castleforbes Road	10	10	10	10
	C - R101 Sheriff Street Upper West	10	10	10	10
	D - Existing Site Access	10	10	10	10

Average PCU Per Veh

		To			
From		A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access
	A - R101 Sheriff Street Upper East	1.100	1.100	1.100	1.100
	B - Castleforbes Road	1.100	1.100	1.100	1.100
	C - R101 Sheriff Street Upper West	1.100	1.100	1.100	1.100
	D - Existing Site Access	1.100	1.100	1.100	1.100

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.25	8.40	0.4	A	133.05	199.58
A-BCD	0.03	5.46	0.0	A	15.36	23.05
A-B					63.67	96.81
A-C					199.72	299.58
D-ABC	0.01	8.31	0.0	A	5.51	8.26
C-ABD	0.35	7.09	0.9	A	233.00	349.50
C-D					16.33	24.49
C-A					221.41	332.12

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Main Results for each time segment

Main results: (07:45-08:00)

Stream	Total demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	109.16	109.16	27.29	0.00	652.83	0.167	108.29	0.0	0.2	7.260	A
A-BCD	11.60	11.60	2.90	0.00	736.60	0.016	11.52	0.0	0.0	5.461	A
A-B	62.65	62.65	13.16	0.00			62.65				
A-C	164.62	164.62	41.15	0.00			164.62				
D-ABC	4.52	4.52	1.13	0.00	505.10	0.009	4.46	0.0	0.0	7.910	A
C-ABD	170.93	170.93	42.73	0.00	750.31	0.216	169.23	0.0	0.4	6.370	A
C-D	14.79	14.79	3.70	0.00			14.79				
C-A	200.50	200.50	50.12	0.00			200.50				

Main results: (08:00-08:15)

Stream	Total demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	130.35	130.35	32.59	0.00	643.72	0.203	130.12	0.2	0.3	7.707	A
A-BCD	14.77	14.77	3.69	0.00	757.01	0.020	14.75	0.0	0.0	5.334	A
A-B	62.64	62.64	15.66	0.00			62.64				
A-C	195.87	195.87	48.97	0.00			195.87				
D-ABC	5.39	5.39	1.35	0.00	495.93	0.011	5.39	0.0	0.0	8.072	A
C-ABD	221.58	221.58	55.39	0.00	821.80	0.270	220.94	0.4	0.6	6.598	A
C-D	16.46	16.46	4.11	0.00			16.46				
C-A	223.14	223.14	55.79	0.00			223.14				

Main results: (08:15-08:30)

Stream	Total demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	159.65	159.65	39.91	0.00	631.18	0.253	159.28	0.3	0.4	8.384	A
A-BCD	19.69	19.69	4.92	0.00	765.28	0.025	19.65	0.0	0.0	5.171	A
A-B	76.34	76.34	19.08	0.00			76.34				
A-C	238.68	238.68	59.67	0.00			238.68				
D-ABC	6.61	6.61	1.65	0.00	483.35	0.014	6.59	0.0	0.0	8.306	A
C-ABD	305.54	305.54	76.39	0.00	866.76	0.353	304.31	0.6	0.9	7.055	A
C-D	17.81	17.81	4.45	0.00			17.81				
C-A	241.47	241.47	60.37	0.00			241.47				

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Main results: (08:30-08:45)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	159.65	159.65	30.91	0.00	631.09	0.253	159.64	0.4	0.4	8.366	A
A-BCD	19.70	19.70	4.93	0.00	785.18	0.025	19.70	0.0	0.0	5.173	A
A-B	76.33	76.33	19.08	0.00			76.33				
A-C	238.67	238.67	59.67	0.00			238.67				
D-ABC	6.61	6.61	1.65	0.00	483.23	0.014	6.61	0.0	0.0	8.308	A
C-ABD	306.04	306.04	76.51	0.00	867.24	0.353	306.00	0.9	0.9	7.087	A
C-D	17.77	17.77	4.44	0.00			17.77				
C-A	241.01	241.01	60.25	0.00			241.01				

Main results: (08:45-09:00)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	130.35	130.35	32.59	0.00	643.59	0.203	130.70	0.4	0.3	7.727	A
A-BCD	14.79	14.79	3.70	0.00	756.84	0.020	14.82	0.0	0.0	5.338	A
A-B	62.64	62.64	15.66	0.00			62.64				
A-C	195.86	195.86	48.97	0.00			195.86				
D-ABC	5.39	5.39	1.35	0.00	495.74	0.011	5.41	0.0	0.0	8.077	A
C-ABD	222.16	222.16	56.54	0.00	822.51	0.270	223.35	0.9	0.6	6.641	A
C-D	16.42	16.42	4.10	0.00			16.42				
C-A	222.60	222.60	56.55	0.00			222.60				

Main results: (09:00-09:15)

Stream	Total Demand (PCU/hr)	Junction demand (PCU/hr)	Junction Arrivals (PCU)	Bypass demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	LOS
B-ACD	109.16	109.16	27.29	0.00	652.62	0.167	106.40	0.3	0.2	7.295	A
A-BCD	11.63	11.63	2.91	0.00	736.36	0.016	11.65	0.0	0.0	5.464	A
A-B	52.64	52.64	13.16	0.00			52.64				
A-C	164.60	164.60	41.15	0.00			164.60				
D-ABC	4.52	4.52	1.13	0.00	504.87	0.009	4.53	0.0	0.0	7.916	A
C-ABD	171.73	171.73	42.93	0.00	790.93	0.217	172.40	0.6	0.4	6.421	A
C-D	14.73	14.73	3.68	0.00			14.73				
C-A	199.75	199.75	49.94	0.00			199.75				

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Do Nothing - DN2037, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Do Nothing	☒	☒	D1.D2.D3.D4.D5.D6	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1 - untitled	untitled	Crossroads	Two-way	2.90	A

Junction Network Options

(same as above)

Arms

Arms

(same as above)

Major Arm Geometry

(same as above)

Minor Arm Geometry

(same as above)

Slope / Intercept / Capacity

(same as above)

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period	Traffic profile	Model start time (HH:MM)	Model finish time (HH:MM)	Time segment length (min)	Run automatically
D6	DN2037	PM	ONE HOUR	17.00	18.30	15	☒

Default vehicle mix	Vehicle mix varies over time	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
☒	☒	☒	HV Percentages	2.00

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Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - R101 Sheriff Street Upper East		ONE HOUR	☒	322.00	100.000
B - Castleforbes Road		ONE HOUR	☒	210.00	100.000
C - R101 Sheriff Street Upper West		ONE HOUR	☒	427.00	100.000
D - Existing Site Access		ONE HOUR	☒	21.00	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
From	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access	
	0.000	46.000	272.000	4.000	
	82.000	0.000	147.000	1.000	
	344.000	77.000	0.000	6.000	
	5.000	2.000	14.000	0.000	

Proportions

		To			
From	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access	
	0.00	0.14	0.84	0.01	
	0.30	0.00	0.70	0.00	
	0.61	0.18	0.00	0.01	
	0.24	0.10	0.67	0.00	

Vehicle Mix

Heavy Vehicle proportion

		To			
From	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access	
	10	10	10	10	
	10	10	10	10	
	10	10	10	10	
	10	10	10	10	

Average PCU Per Veh

		To			
From	A - R101 Sheriff Street Upper East	B - Castleforbes Road	C - R101 Sheriff Street Upper West	D - Existing Site Access	
	1.100	1.100	1.100	1.100	
	1.100	1.100	1.100	1.100	
	1.100	1.100	1.100	1.100	
	1.100	1.100	1.100	1.100	

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.34	8.99	0.6	A	192.70	289.05
A-BCD	0.01	5.27	0.0	A	5.72	8.58
A-B					41.91	62.87
A-C					247.84	371.76
D-ABC	0.05	8.92	0.1	A	19.27	28.90
C-ABD	0.18	5.70	0.4	A	117.66	176.48
C-D					4.70	7.05
C-A					269.47	404.20

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Main Results for each time segment

Main results: (17:00-17:15)

Item	Total Demand (pcu/h)	Junction demand (pcu/h)	Bypass demand (pcu/h)	Capacity (pcu/h)	W/C	Throughput (pcu/h)	Start time (h)	End time (h)	Delay (s)
B-	158.79	158.79	0.00	669.93	0.23	158.80	17:00	17:15	7.410
ACD	4.31	4.31	0.00	756.05	0.006	4.28	17:00	17:15	4.918
A-B	34.44	34.44	0.00	0.00	0.00	34.44	17:00	17:15	0.0
BCD	203.67	203.67	0.00	0.00	0.00	203.67	17:00	17:15	0.0
A-C	15.81	15.81	0.00	460.21	0.032	15.66	17:00	17:15	5.267
ABC	15.81	15.81	0.00	0.00	0.00	15.66	17:00	17:15	0.0
ABD	87.05	87.05	0.00	782.50	0.111	86.22	17:00	17:15	5.660
C-D	4.02	4.02	0.00	1.00	0.00	4.02	17:00	17:15	0.0
C-A	230.40	230.40	0.00	0.00	0.00	230.40	17:00	17:15	0.0

Main results: (17:15-17:30)

Item	Total Demand (pcu/h)	Junction demand (pcu/h)	Bypass demand (pcu/h)	Capacity (pcu/h)	W/C	Throughput (pcu/h)	Start time (h)	End time (h)	Delay (s)
B-	158.79	158.79	0.00	669.93	0.23	158.80	17:15	17:30	7.410
ACD	4.31	4.31	0.00	756.05	0.006	4.28	17:15	17:30	4.918
A-B	34.44	34.44	0.00	0.00	0.00	34.44	17:15	17:30	0.0
BCD	203.67	203.67	0.00	0.00	0.00	203.67	17:15	17:30	0.0
A-C	15.81	15.81	0.00	460.21	0.032	15.66	17:15	17:30	5.267
ABC	15.81	15.81	0.00	0.00	0.00	15.66	17:15	17:30	0.0
ABD	87.05	87.05	0.00	782.50	0.111	86.22	17:15	17:30	5.660
C-D	4.02	4.02	0.00	1.00	0.00	4.02	17:15	17:30	0.0
C-A	230.40	230.40	0.00	0.00	0.00	230.40	17:15	17:30	0.0

Main results: (17:30-17:45)

Item	Total Demand (pcu/h)	Junction demand (pcu/h)	Bypass demand (pcu/h)	Capacity (pcu/h)	W/C	Throughput (pcu/h)	Start time (h)	End time (h)	Delay (s)
B-	158.79	158.79	0.00	669.93	0.23	158.80	17:30	17:45	7.410
ACD	4.31	4.31	0.00	756.05	0.006	4.28	17:30	17:45	4.918
A-B	34.44	34.44	0.00	0.00	0.00	34.44	17:30	17:45	0.0
BCD	203.67	203.67	0.00	0.00	0.00	203.67	17:30	17:45	0.0
A-C	15.81	15.81	0.00	460.21	0.032	15.66	17:30	17:45	5.267
ABC	15.81	15.81	0.00	0.00	0.00	15.66	17:30	17:45	0.0
ABD	87.05	87.05	0.00	782.50	0.111	86.22	17:30	17:45	5.660
C-D	4.02	4.02	0.00	1.00	0.00	4.02	17:30	17:45	0.0
C-A	230.40	230.40	0.00	0.00	0.00	230.40	17:30	17:45	0.0

Main Results for each time segment

Main results: (17:45-18:00)

Item	Total Demand (pcu/h)	Junction demand (pcu/h)	Bypass demand (pcu/h)	Capacity (pcu/h)	W/C	Throughput (pcu/h)	Start time (h)	End time (h)	Delay (s)
B-	158.79	158.79	0.00	669.93	0.23	158.80	17:45	18:00	7.410
ACD	4.31	4.31	0.00	756.05	0.006	4.28	17:45	18:00	4.918
A-B	34.44	34.44	0.00	0.00	0.00	34.44	17:45	18:00	0.0
BCD	203.67	203.67	0.00	0.00	0.00	203.67	17:45	18:00	0.0
A-C	15.81	15.81	0.00	460.21	0.032	15.66	17:45	18:00	5.267
ABC	15.81	15.81	0.00	0.00	0.00	15.66	17:45	18:00	0.0
ABD	87.05	87.05	0.00	782.50	0.111	86.22	17:45	18:00	5.660
C-D	4.02	4.02	0.00	1.00	0.00	4.02	17:45	18:00	0.0
C-A	230.40	230.40	0.00	0.00	0.00	230.40	17:45	18:00	0.0

Main results: (18:00-18:15)

Item	Total Demand (pcu/h)	Junction demand (pcu/h)	Bypass demand (pcu/h)	Capacity (pcu/h)	W/C	Throughput (pcu/h)	Start time (h)	End time (h)	Delay (s)
B-	158.79	158.79	0.00	669.93	0.23	158.80	18:00	18:15	7.410
ACD	4.31	4.31	0.00	756.05	0.006	4.28	18:00	18:15	4.918
A-B	34.44	34.44	0.00	0.00	0.00	34.44	18:00	18:15	0.0
BCD	203.67	203.67	0.00	0.00	0.00	203.67	18:00	18:15	0.0
A-C	15.81	15.81	0.00	460.21	0.032	15.66	18:00	18:15	5.267
ABC	15.81	15.81	0.00	0.00	0.00	15.66	18:00	18:15	0.0
ABD	87.05	87.05	0.00	782.50	0.111	86.22	18:00	18:15	5.660
C-D	4.02	4.02	0.00	1.00	0.00	4.02	18:00	18:15	0.0
C-A	230.40	230.40	0.00	0.00	0.00	230.40	18:00	18:15	0.0

Main results: (18:15-18:30)

Item	Total Demand (pcu/h)	Junction demand (pcu/h)	Bypass demand (pcu/h)	Capacity (pcu/h)	W/C	Throughput (pcu/h)	Start time (h)	End time (h)	Delay (s)
B-	158.79	158.79	0.00	669.93	0.23	158.80	18:15	18:30	7.410
ACD	4.31	4.31	0.00	756.05	0.006	4.28	18:15	18:30	4.918
A-B	34.44	34.44	0.00	0.00	0.00	34.44	18:15	18:30	0.0
BCD	203.67	203.67	0.00	0.00	0.00	203.67	18:15	18:30	0.0
A-C	15.81	15.81	0.00	460.21	0.032	15.66	18:15	18:30	5.267
ABC	15.81	15.81	0.00	0.00	0.00	15.66	18:15	18:30	0.0
ABD	87.05	87.05	0.00	782.50	0.111	86.22	18:15	18:30	5.660
C-D	4.02	4.02	0.00	1.00	0.00	4.02	18:15	18:30	0.0
C-A	230.40	230.40	0.00	0.00	0.00	230.40	18:15	18:30	0.0

APPENDIX D

TRANSYT Output Files