

A27/ Nyton Road Review

DATE:	19 December 2024	CONFIDENTIALITY:	Public
SUBJECT:	A27/ Nyton Road Review		
PROJECT:	Land at Westergate	AUTHOR:	Philip Moss
CHECKED:	Chris Williams	APPROVED:	Andrew Blacker

This Technical Note has been prepared by WSP on behalf of Cala Homes to provide a response to the further comments provided by National Highways on the 12th November 2024 in relation to planning application AL/11/24/OUT. This Technical Note responds to the queries regarding the A27/ Nyton Road priority junction shown providing in paragraph 69 to 75 of Advice Note 01, extracted below.

Figure 1 – Extract from National Highways Advice Note 01 (12/11/24)

Model Calibration/Validation

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We previously required evidence of calibration and validation of the model to be provided, which should include observed queue data referenced in the 2023 TA.

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The Response TN states that the geometries used in the applicant’s model for this junction match those used for the BEW Parcel SC1 application (BN/11/22/OUT), where it is noted that the performance of the base model was considered to reflect the observed conditions and therefore no capacity adjustments were made to calibrate the model. The Response TN considers that this statement demonstrates that the accepted base model for the junction has been calibrated against observed queue data. We note that no direct evidence has been provided demonstrating that National Highways previously accepted the base model; however, we have considered the analysis associated with the BEW Parcel SC1 application previously conducted by JSJV and are content that the applicant’s position is consistent with this. However, the additional information provided by the applicant indicates that there are some further issues which require additional consideration.

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The Response TN provides details of the 2016 queue data used in support of the Cala Homes application. The relevant data for the A27/Nyton Road junction is replicated below for reference.

Table 1 – A27/Nyton Road 2016 Average Queue Data

Junction/Arm	AM Peak Average Queue length (PCU)	PM Peak Average Queue length (PCU)
A27 Arundel / B2233 Nyton		
B2233 Nyton Road	0	1
A27 Arundel Road	6	12

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We note that queues are shown to build up on the A27 right turn bay into Nyton Road in both peak periods.

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We note that average queues have been provided for this junction. The observed queue data which is used for calibration / validation is required to be the highest average 15-minute queue data on each arm.

74

The queues for the A27 right turn movement reported in the 2019 base model are substantially lower than the 2016 queue data, with 0.7 PCUs in the AM peak and 2.1 in the PM peak, which are lower than 6/12 average queue PCUs recorded in the AM/PM peaks, with the maximum queues presumably higher than these values.

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In order for this potential issue to be resolved, queue data from the base year needs to be compared to the model output queues. In this case it would be appropriate to compare against the queue outputs shown in the CATM. **The applicant is therefore requested to provide a comparison of the base model alongside CATM queue outputs to ensure that the base model remains appropriately calibrated and validated.**

A meeting between WSP and National Highways took place on the 18th December 2024 to discuss the junction capacity modelling and how the queries raised by National Highways can be addressed. It was agreed at this meeting that WSP would replicate the junction capacity model produced by Pell Frischmann on behalf of Church Commissions and in support of planning application BN11/22/OUT) to match the geometry, intercept adjustment value and the type of traffic profile used.

WSP have assessed the junction utilising traffic flows presented in the September 2023 Transport Assessment for planning application AL/11/24/OUT. It is noted during the building of the junction capacity model that the C-B (A27 to Nyton Road right-turn) blocks C-A traffic (A27 eastbound) was not ticked by Pell Frischmann. For completeness WSP have ticked this in the model and entered a PCU queue capacity of 17 which equates to 98m based upon the length of the right turn lane on the A27. This explains the difference between Pell Frischmann 2019 baseline results and the WSP 2019 baseline results.

Figure 2 below presents the Pell Frischmann modelling results for the A27/ Nyton Road Priority Junction, included in Appendix R of Transport Assessment. The results forecast the junction to operate at capacity in 2038 but there will be enough queue capacity in the right turn lane for vehicles travelling from the A27 West. Full outputs can be found in Appendix A of this report.

Figure 2 – Pell Frischmann A27/ Nyton Road Priority Junction modelling results.

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2019 Base									
Stream B-AC	D1	0.0	0.00	0.00	A	D2	0.0	0.00	0.00	A
Stream C-B		2.0	38.86	0.69	E		7.7	72.21	0.83	F
	2031 DM No Cala									
Stream B-AC	D3	0.0	0.00	0.00	A	D4	0.0	0.00	0.00	A
Stream C-B		3.2	40.01	0.82	F		4.8	53.47	0.86	F
	2031 DM									
Stream B-AC	D5	0.0	0.00	0.00	A	D6	0.0	0.00	0.00	A
Stream C-B		3.0	38.50	0.80	F		4.9	60.74	0.86	F
	2031 DS No Cala									
Stream B-AC	D7	0.0	0.00	0.00	A	D8	0.0	0.00	0.00	A
Stream C-B		2.9	38.17	0.80	F		4.9	61.85	0.86	F
	2031 DS									
Stream B-AC	D9	0.0	0.00	0.00	A	D10	0.0	0.00	0.00	A
Stream C-B		3.4	41.15	0.83	F		5.7	68.83	0.86	F
	2038 DM									
Stream B-AC	D11	0.0	0.00	0.00	A	D12	0.0	0.00	0.00	A
Stream C-B		3.5	45.92	0.84	F		4.7	64.54	0.86	F
	2038 DS									
Stream B-AC	D13	0.0	0.00	0.00	A	D14	0.0	0.00	0.00	A
Stream C-B		5.0	78.87	0.92	F		6.8	84.90	0.92	F

Figure 3 below presents the WSP A27/ Nyton Road Priority Junction modelling results for the 2019 baseline, 2031 scenarios and the 2038 scenario. The full outputs of the modelling results are included in Appendix A.

Figure 3 – WSP A27/ Nyton Road Priority Junction Modelling results

Summary of junction performance

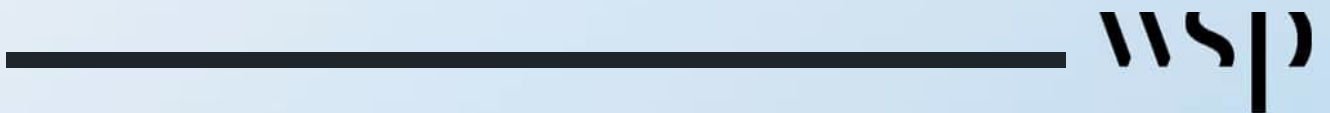
	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	A27 Nyton Road - 2019 Base									
Stream B-AC	D1	0.0	0.00	0.00	A	D2	0.0	0.00	0.00	A
Stream C-AB		2.0	38.10	0.69	E		9.7	54.79	0.93	F
	A27 Nyton Road - 2031 DM									
Stream B-AC	D3	0.2	0.81	0.14	A	D4	0.1	0.73	0.07	A
Stream C-AB		1.9	38.23	0.69	E		5.1	38.89	0.86	E
	A27 Nyton Road - 2031 Base+Dev									
Stream B-AC	D7	0.2	0.82	0.15	A	D8	0.1	0.74	0.07	A
Stream C-AB		2.5	43.49	0.75	E		14.2	68.67	1.00	F
	A27 Nyton Road - 2031 Base+Dev+BEW									
Stream B-AC	D9	0.2	0.83	0.16	A	D10	0.1	0.74	0.08	A
Stream C-AB		2.4	41.88	0.74	E		10.2	47.37	0.95	E
	A27 Nyton Road - 2038 Base+Dev+BEW									
Stream B-AC	D11	0.2	0.86	0.19	A	D12	0.1	0.76	0.10	A
Stream C-AB		3.7	48.09	0.83	E		14.4	72.62	1.01	F

As stated above the only difference between the WSP / Pell Frischmann junction capacity models is the inclusion of the blocking back queue on C-B impacting C-A movements, which leads to different results in the 2019 base model. The modelling results forecast that the junction will operate within capacity in the AM peak across the assessed scenarios. In the PM peak the junction is forecast to operate at capacity or over capacity across the scenarios assessed.

The maximum queue forecast in 2038 is 15 PCUs which can be accommodated in the dedicated right turn lane into Nyton Road from the A27 west, which has capacity in 17 PCUs. In relation to this, it should be noted that the assessment provides a robust assessment of the forecast queue length on the A27 as the trip distribution routes all arrivals to the site via the A27 / Nyton Road junction rather than via the Fontwell Roundabout West. The queue for the C-B can be accommodated in the right turn lane which will not cause any safety concerns with queueing back onto the A27.

Appendix A

Pell Frischmann A27/ Nyton Road
Modelling Outputs



Junctions 9	
PICADY 9 - Priority Intersection Module	
Version: 9.5.1.7462 © Copyright TRL Limited, 2019	
For sales and distribution information, program advice and maintenance, contact TRL:	
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: Junction 13 - Nyton Road_A27_RevC.j9

Path: P:\133--\A13394-VAA Barnham Eastergate Westergate\30 Technical\31 Modelling\Junction 13 - Nyton Road_A27

Report generation date: 26/04/2021 11:40:54

»2019 Base, AM
 »2019 Base, PM
 »2031 DM No Cala, AM
 »2031 DM No Cala, PM
 »2031 DM, AM
 »2031 DM, PM
 »2031 DS No Cala, AM
 »2031 DS No Cala, PM
 »2031 DS, AM
 »2031 DS, PM
 »2038 DM, AM
 »2038 DM, PM
 »2038 DS, AM
 »2038 DS, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2019 Base									
Stream B-AC	D1	0.0	0.00	0.00	A	D2	0.0	0.00	0.00	A
Stream C-B		2.0	36.66	0.69	E		7.7	72.21	0.93	F
	2031 DM No Cala									
Stream B-AC	D3	0.0	0.00	0.00	A	D4	0.0	0.00	0.00	A
Stream C-B		3.2	60.01	0.82	F		4.8	53.47	0.86	F
	2031 DM									
Stream B-AC	D5	0.0	0.00	0.00	A	D6	0.0	0.00	0.00	A
Stream C-B		3.0	66.52	0.80	F		4.9	60.74	0.86	F
	2031 DS No Cala									
Stream B-AC	D7	0.0	0.00	0.00	A	D8	0.0	0.00	0.00	A
Stream C-B		2.9	66.17	0.80	F		4.9	61.85	0.86	F
	2031 DS									
Stream B-AC	D9	0.0	0.00	0.00	A	D10	0.0	0.00	0.00	A
Stream C-B		3.4	61.15	0.83	F		5.7	68.83	0.86	F
	2038 DM									
Stream B-AC	D11	0.0	0.00	0.00	A	D12	0.0	0.00	0.00	A
Stream C-B		3.5	65.92	0.84	F		4.7	64.54	0.86	F
	2038 DS									
Stream B-AC	D13	0.0	0.00	0.00	A	D14	0.0	0.00	0.00	A
Stream C-B		5.0	76.97	0.92	F		6.8	84.96	0.92	F

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

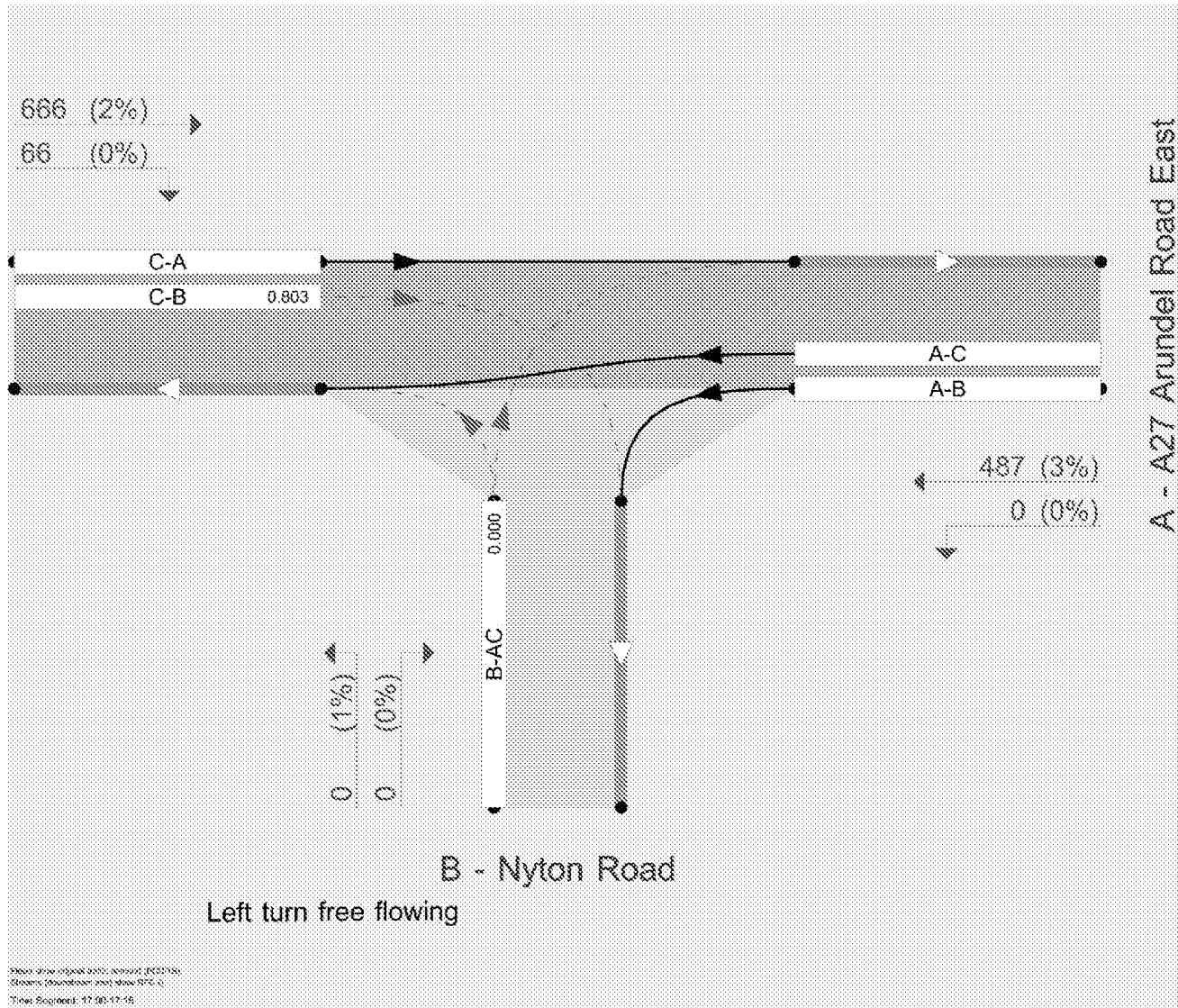
File summary

File Description

Title	
Location	
Site number	
Date	03/05/2020
Version	
Status	[no status]
Identifier	
Client	
Jobnumber	
Enumerator	PFGROUP\csmith
Description	

Units

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



Analysis Options

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

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2019 Base	AM	DIRECT	08:00	09:00	60	15	✓
D2	2019 Base	PM	DIRECT	17:00	18:00	60	15	✓
D3	2031 DM No Cala	AM	DIRECT	08:00	09:00	60	15	✓
D4	2031 DM No Cala	PM	DIRECT	17:00	18:00	60	15	✓
D5	2031 DM	AM	DIRECT	08:00	09:00	60	15	✓
D6	2031 DM	PM	DIRECT	17:00	18:00	60	15	✓
D7	2031 DS No Cala	AM	DIRECT	08:00	09:00	60	15	✓
D8	2031 DS No Cala	PM	DIRECT	17:00	18:00	60	15	✓
D9	2031 DS	AM	DIRECT	08:00	09:00	60	15	✓
D10	2031 DS	PM	DIRECT	17:00	18:00	60	15	✓
D11	2038 DM	AM	DIRECT	08:00	09:00	60	15	✓
D12	2038 DM	PM	DIRECT	17:00	18:00	60	15	✓
D13	2038 DS	AM	DIRECT	08:00	09:00	60	15	✓
D14	2038 DS	PM	DIRECT	17:00	18:00	60	15	✓

Analysis Set Details

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

2019 Base, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

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

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	A27 Arundel Road East		Major
B	Nyton Road		Minor
C	A27 Arundel Road West		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Width of kerbed central reserve (m)	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - A27 Arundel Road West	15.73	✓	8.38	✓	4.07	200.0		-

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 - Nyton Road	One lane	4.86	150	167

Slope / Intercept / Capacity

Stream Intercept Adjustments

Stream intercept adjustment	Use adjustment	Reason	Direct intercept adjustment (PCU/TS)
B-AC			
C-B	✓		-35.00

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/TS)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	216.011	0.076	0.193	0.122	0.276
B-C	216.209	0.076	0.193	-	-
C-B	207.543	0.185	0.185	-	-

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

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

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

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2019 Base	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

		To			
08:00 - 08:15	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	14.00	486.00
		B - Nyton Road	0.00	0.00	0.00
		C - A27 Arundel Road West	350.00	33.00	0.00

Proportions

		To			
	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	0.03	0.97
		B - Nyton Road	0.33	0.33	0.33
		C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

		To			
08:15 - 08:30	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	7.00	512.00
		B - Nyton Road	0.00	0.00	0.00
		C - A27 Arundel Road West	360.00	25.00	0.00

Proportions

		To			
	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	0.01	0.99
		B - Nyton Road	0.33	0.33	0.33
		C - A27 Arundel Road West	0.94	0.06	0.00

Demand (PCU/TS)

		To			
08:30 - 08:45	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	8.00	529.00
		B - Nyton Road	0.00	0.00	0.00
		C - A27 Arundel Road West	296.00	50.00	0.00

Proportions

		To			
	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	0.01	0.99
		B - Nyton Road	0.33	0.33	0.33
		C - A27 Arundel Road West	0.86	0.14	0.00

Demand (PCU/TS)

		To			
08:45 - 09:00	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	9.00	452.00
		B - Nyton Road	0.00	0.00	0.00
		C - A27 Arundel Road West	290.00	47.00	0.00

Proportions

		To			
	From		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		A - A27 Arundel Road East	0.00	0.02	0.98
		B - Nyton Road	0.33	0.33	0.33
		C - A27 Arundel Road West	0.86	0.14	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
~
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	18	3
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	9	6	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.252	1.042
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.126	1.084	1.000

Heavy Vehicle Percentages

08:15
~
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	17	4
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	7	4	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.238	1.056
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.098	1.056	1.000

Heavy Vehicle Percentages

08:30
~
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	14	5
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	12	2	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.196	1.070
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.168	1.028	1.000

Heavy Vehicle Percentages

08:45
~
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	29	6
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	13	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.406	1.084
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.182	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
08:00-08:15	A - A27 Arundel Road East	500.00	500.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	383.00	383.00
08:15-08:30	A - A27 Arundel Road East	519.00	519.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	385.00	385.00
08:30-08:45	A - A27 Arundel Road East	537.00	537.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	346.00	346.00
08:45-09:00	A - A27 Arundel Road East	461.00	461.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	337.00	337.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					324.00	1296.00
C-B	0.69	36.88	2.0	E	38.75	155.00
AB					9.50	38.00
AC					494.75	1979.00

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	88.24	0.000	0.00	0.0	0.0	0.000	A
C-A	350.00	350.00			350.00				
C-B	33.00	33.00	79.80	0.414	32.26	0.0	0.7	20.234	C
AB	14.00	14.00			14.00				
AC	486.00	486.00			486.00				

08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	84.05	0.000	0.00	0.0	0.0	0.000	A
C-A	360.00	360.00			360.00				
C-B	25.00	25.00	76.27	0.328	25.19	0.7	0.5	19.088	C
AB	7.00	7.00			7.00				
AC	512.00	512.00			512.00				

08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	81.19	0.000	0.00	0.0	0.0	0.000	A
C-A	296.00	296.00			296.00				
C-B	50.00	50.00	72.93	0.686	48.51	0.5	2.0	38.882	E
AB	8.00	8.00			8.00				
AC	529.00	529.00			529.00				

08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	97.90	0.000	0.00	0.0	0.0	0.000	A
C-A	290.00	290.00			290.00				
C-B	47.00	47.00	87.03	0.540	47.76	2.0	1.3	24.041	C
AB	9.00	9.00			9.00				
AC	452.00	452.00			452.00				

2019 Base, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		8.05	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D2	2019 Base	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	19.00	346.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	424.00	87.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.05	0.95
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.83	0.17	0.00

Demand (PCU/TS)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	14.00	309.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	420.00	98.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.04	0.96
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.81	0.19	0.00

Demand (PCU/TS)

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	28.00	314.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	416.00	102.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.08	0.92
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.80	0.20	0.00

Demand (PCU/TS)

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	15.00	330.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	338.00	86.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.04	0.96
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.80	0.20	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
-
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.014
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.014	1.000

Heavy Vehicle Percentages

17:15
-
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	4	4
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.056	1.056
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Heavy Vehicle Percentages

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
17:00-17:15	A - A27 Arundel Road East	365.00	365.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	511.00	511.00
17:15-17:30	A - A27 Arundel Road East	323.00	323.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	518.00	518.00
17:30-17:45	A - A27 Arundel Road East	342.00	342.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	518.00	518.00
17:45-18:00	A - A27 Arundel Road East	345.00	345.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	424.00	424.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					399.50	1598.00
C-B	0.93	72.21	7.7	F	93.25	373.00
AB					19.00	76.00
AC					324.75	1299.00

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	96.97	0.000	0.00	0.0	0.0	0.000	A
C-A	424.00	424.00			424.00				
C-B	87.00	87.00	104.84	0.830	83.12	0.0	3.9	37.263	E
AB	19.00	19.00			19.00				
AC	346.00	346.00			346.00				

17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	102.13	0.000	0.00	0.0	0.0	0.000	A
C-A	420.00	420.00			420.00				
C-B	98.00	98.00	112.63	0.870	96.55	3.9	5.3	55.233	F
AB	14.00	14.00			14.00				
AC	309.00	309.00			309.00				

17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	98.91	0.000	0.00	0.0	0.0	0.000	A
C-A	416.00	416.00			416.00				
C-B	102.00	102.00	109.10	0.935	99.62	5.3	7.7	75.206	F
AB	28.00	28.00			28.00				
AC	314.00	314.00			314.00				

17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	108.14	0.000	0.00	0.0	0.0	0.000	A
C-A	338.00	338.00			338.00				
C-B	86.00	86.00	108.55	0.792	89.23	7.7	4.5	51.844	F
AB	15.00	15.00			15.00				
AC	330.00	330.00			330.00				

2031 DM No Cala, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.20	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D3	2031 DM No Cala	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

08:00
-
08:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	569.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	402.00	31.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.93	0.07	0.00

Demand (PCU/TS)

08:15
-
08:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	599.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	413.00	23.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.95	0.05	0.00

Demand (PCU/TS)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	620.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	340.00	47.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.12	0.00

Demand (PCU/TS)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	529.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	333.00	44.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.12	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
-
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.014	1.000

Heavy Vehicle Percentages

08:15
-
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Heavy Vehicle Percentages

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
08:00-08:15	A - A27 Arundel Road East	569.00	569.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	433.00	433.00
08:15-08:30	A - A27 Arundel Road East	599.00	599.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	436.00	436.00
08:30-08:45	A - A27 Arundel Road East	620.00	620.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	387.00	387.00
08:45-09:00	A - A27 Arundel Road East	529.00	529.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	377.00	377.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					372.00	1488.00
C-B	0.82	60.01	3.2	F	36.25	145.00
A-B					0.00	0.00
A-C					579.25	2317.00

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	66.72	0.000	0.00	0.0	0.0	0.000	A
C-A	402.00	402.00			402.00				
C-B	31.00	31.00	67.00	0.463	30.17	0.0	0.8	24.281	C
A-B	0.00	0.00			0.00				
A-C	569.00	569.00			569.00				

08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	60.69	0.000	0.00	0.0	0.0	0.000	A
C-A	413.00	413.00			413.00				
C-B	23.00	23.00	61.43	0.374	23.20	0.8	0.6	23.967	C
A-B	0.00	0.00			0.00				
A-C	599.00	599.00			599.00				

08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	58.24	0.000	0.00	0.0	0.0	0.000	A
C-A	340.00	340.00			340.00				
C-B	47.00	47.00	57.54	0.817	44.43	0.6	3.2	66.813	F
A-B	0.00	0.00			0.00				
AC	620.00	620.00			620.00				

08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	78.85	0.000	0.00	0.0	0.0	0.000	A
C-A	333.00	333.00			333.00				
C-B	44.00	44.00	74.42	0.591	45.62	3.2	1.6	33.204	D
A-B	0.00	0.00			0.00				
AC	529.00	529.00			529.00				

2031 DM No Cala, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.67	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D4	2031 DM No Cala	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	487.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	666.00	66.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	435.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	660.00	75.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Demand (PCU/TS)

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	441.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	653.00	78.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/TS)

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	464.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	532.00	66.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
-
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.042
	B - Nyton Road	1.000	1.000	1.014
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:15
-
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.014
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.014
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.014
	C - A27 Arundel Road West	1.028	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
17:00-17:15	A - A27 Arundel Road East	487.00	487.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	732.00	732.00
17:15-17:30	A - A27 Arundel Road East	435.00	435.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	735.00	735.00
17:30-17:45	A - A27 Arundel Road East	441.00	441.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	731.00	731.00
17:45-18:00	A - A27 Arundel Road East	464.00	464.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	598.00	598.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					627.75	2511.00
C-B	0.86	89.47	4.8	F	71.25	285.00
AB					0.00	0.00
AC					456.75	1827.00

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	38.31	0.000	0.00	0.0	0.0	0.000	A
C-A	666.00	666.00			666.00				
C-B	66.00	66.00	82.21	0.803	62.77	0.0	3.2	41.356	E
AB	0.00	0.00			0.00				
AC	487.00	487.00			487.00				

17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	49.06	0.000	0.00	0.0	0.0	0.000	A
C-A	660.00	660.00			660.00				
C-B	75.00	75.00	91.85	0.817	74.43	3.2	3.8	48.350	E
AB	0.00	0.00			0.00				
AC	435.00	435.00			435.00				

17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	47.25	0.000	0.00	0.0	0.0	0.000	A
C-A	653.00	653.00			653.00				
C-B	78.00	78.00	90.74	0.860	77.02	3.8	4.8	55.473	F
AB	0.00	0.00			0.00				
AC	441.00	441.00			441.00				

17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	63.22	0.000	0.00	0.0	0.0	0.000	A
C-A	532.00	532.00			532.00				
C-B	66.00	66.00	86.47	0.763	67.11	4.8	3.7	49.067	E
AB	0.00	0.00			0.00				
AC	464.00	464.00			464.00				

2031 DM, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.12	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D5	2031 DM	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

08:00
-
08:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	571.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	400.00	31.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.93	0.07	0.00

Demand (PCU/TS)

08:15
-
08:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	602.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	412.00	23.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.95	0.05	0.00

Demand (PCU/TS)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	622.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	339.00	46.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.12	0.00

Demand (PCU/TS)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	531.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	332.00	43.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
-
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:15
-
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Heavy Vehicle Percentages

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
08:00-08:15	A - A27 Arundel Road East	571.00	571.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	431.00	431.00
08:15-08:30	A - A27 Arundel Road East	602.00	602.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	435.00	435.00
08:30-08:45	A - A27 Arundel Road East	622.00	622.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	385.00	385.00
08:45-09:00	A - A27 Arundel Road East	531.00	531.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	375.00	375.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					370.75	1483.00
C-B	0.80	50.52	3.0	F	35.75	143.00
A-B					0.00	0.00
A-C					581.50	2326.00

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	66.51	0.000	0.00	0.0	0.0	0.000	A
C-A	400.00	400.00			400.00				
C-B	31.00	31.00	66.63	0.465	30.17	0.0	0.8	24.188	C
A-B	0.00	0.00			0.00				
A-C	571.00	571.00			571.00				

08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	60.13	0.000	0.00	0.0	0.0	0.000	A
C-A	412.00	412.00			412.00				
C-B	23.00	23.00	60.88	0.378	23.20	0.8	0.6	24.021	C
A-B	0.00	0.00			0.00				
A-C	602.00	602.00			602.00				

08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	58.18	0.000	0.00	0.0	0.0	0.000	A
C-A	339.00	339.00			339.00				
C-B	46.00	46.00	57.17	0.805	43.60	0.6	3.0	33.518	F
AB	0.00	0.00			0.00				
AC	622.00	622.00			622.00				

08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	78.81	0.000	0.00	0.0	0.0	0.000	A
C-A	332.00	332.00			332.00				
C-B	43.00	43.00	74.05	0.581	44.53	3.0	1.5	32.290	D
AB	0.00	0.00			0.00				
AC	531.00	531.00			531.00				

2031 DM, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.73	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D6	2031 DM	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	490.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	669.00	66.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	437.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	663.00	75.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Demand (PCU/TS)

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	443.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	656.00	78.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/TS)

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	466.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	534.00	66.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
~
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.042
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:15
~
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
17:00-17:15	A - A27 Arundel Road East	490.00	490.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	735.00	735.00
17:15-17:30	A - A27 Arundel Road East	437.00	437.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	738.00	738.00
17:30-17:45	A - A27 Arundel Road East	443.00	443.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	734.00	734.00
17:45-18:00	A - A27 Arundel Road East	466.00	466.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	600.00	600.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					630.50	2522.00
C-B	0.88	60.74	4.9	F	71.25	285.00
AB					0.00	0.00
AC					459.00	1836.00

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	36.93	0.000	0.00	0.0	0.0	0.000	A
C-A	669.00	669.00			669.00				
C-B	66.00	66.00	81.65	0.808	62.69	0.0	3.3	43.028	E
AB	0.00	0.00			0.00				
AC	490.00	490.00			490.00				

17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	48.00	0.000	0.00	0.0	0.0	0.000	A
C-A	663.00	663.00			663.00				
C-B	75.00	75.00	91.48	0.820	74.43	3.3	3.9	49.343	E
AB	0.00	0.00			0.00				
AC	437.00	437.00			437.00				

17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	46.19	0.000	0.00	0.0	0.0	0.000	A
C-A	656.00	656.00			656.00				
C-B	78.00	78.00	90.37	0.863	76.99	3.9	4.9	60.733	F
A-B	0.00	0.00			0.00				
AC	443.00	443.00			443.00				

17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	62.43	0.000	0.00	0.0	0.0	0.000	A
C-A	534.00	534.00			534.00				
C-B	66.00	66.00	86.10	0.767	67.13	4.9	3.8	60.165	F
A-B	0.00	0.00			0.00				
AC	466.00	466.00			466.00				

2031 DS No Cala, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.06	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D7	2031 DS No Cala	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

08:00
-
08:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	575.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	402.00	30.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.93	0.07	0.00

Demand (PCU/TS)

08:15
-
08:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	606.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	414.00	23.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.95	0.05	0.00

Demand (PCU/TS)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	626.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	341.00	45.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.12	0.00

Demand (PCU/TS)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	535.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	334.00	43.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
-
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.042
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:15
-
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Heavy Vehicle Percentages

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
08:00-08:15	A - A27 Arundel Road East	575.00	575.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	432.00	432.00
08:15-08:30	A - A27 Arundel Road East	606.00	606.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	437.00	437.00
08:30-08:45	A - A27 Arundel Road East	626.00	626.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	386.00	386.00
08:45-09:00	A - A27 Arundel Road East	535.00	535.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	377.00	377.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					372.75	1491.00
C-B	0.80	55.17	2.9	F	35.25	141.00
A-B					0.00	0.00
A-C					585.50	2342.00

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	65.66	0.000	0.00	0.0	0.0	0.000	A
C-A	402.00	402.00			402.00				
C-B	30.00	30.00	65.88	0.455	29.20	0.0	0.8	24.061	C
A-B	0.00	0.00			0.00				
A-C	575.00	575.00			575.00				

08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	59.01	0.000	0.00	0.0	0.0	0.000	A
C-A	414.00	414.00			414.00				
C-B	23.00	23.00	60.13	0.382	23.15	0.8	0.6	24.450	C
A-B	0.00	0.00			0.00				
A-C	606.00	606.00			606.00				

08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	57.31	0.000	0.00	0.0	0.0	0.000	A
C-A	341.00	341.00			341.00				
C-B	45.00	45.00	56.42	0.798	42.71	0.6	2.9	58.172	F
AB	0.00	0.00			0.00				
AC	626.00	626.00			626.00				

08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	77.78	0.000	0.00	0.0	0.0	0.000	A
C-A	334.00	334.00			334.00				
C-B	43.00	43.00	73.30	0.587	44.39	2.9	1.5	32.878	D
AB	0.00	0.00			0.00				
AC	535.00	535.00			535.00				

2031 DS No Cala, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.64	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D8	2031 DS No Cala	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	497.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	696.00	65.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	444.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	690.00	74.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Demand (PCU/TS)

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	450.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	683.00	77.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Demand (PCU/TS)

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	473.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	555.00	65.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
~
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.042
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:15
~
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.014	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
17:00-17:15	A - A27 Arundel Road East	497.00	497.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	761.00	761.00
17:15-17:30	A - A27 Arundel Road East	444.00	444.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	764.00	764.00
17:30-17:45	A - A27 Arundel Road East	450.00	450.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	760.00	760.00
17:45-18:00	A - A27 Arundel Road East	473.00	473.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	620.00	620.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					656.00	2624.00
C-B	0.86	61.85	4.9	F	70.25	281.00
AB					0.00	0.00
AC					466.00	1864.00

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	30.42	0.000	0.00	0.0	0.0	0.000	A
C-A	696.00	696.00			696.00				
C-B	65.00	65.00	80.35	0.809	61.69	0.0	3.3	42.843	E
AB	0.00	0.00			0.00				
AC	497.00	497.00			497.00				

17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	41.94	0.000	0.00	0.0	0.0	0.000	A
C-A	690.00	690.00			690.00				
C-B	74.00	74.00	90.18	0.821	73.42	3.3	3.9	50.736	F
AB	0.00	0.00			0.00				
AC	444.00	444.00			444.00				

17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	40.05	0.000	0.00	0.0	0.0	0.000	A
C-A	683.00	683.00			683.00				
C-B	77.00	77.00	89.07	0.864	75.98	3.9	4.9	81.854	F
AB	0.00	0.00			0.00				
AC	450.00	450.00			450.00				

17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	58.07	0.000	0.00	0.0	0.0	0.000	A
C-A	555.00	555.00			555.00				
C-B	65.00	65.00	84.80	0.766	66.15	4.9	3.8	81.081	F
AB	0.00	0.00			0.00				
AC	473.00	473.00			473.00				

2031 DS, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.37	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D9	2031 DS	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

08:00
-
08:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	561.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	400.00	33.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.92	0.08	0.00

Demand (PCU/TS)

08:15
-
08:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	591.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	411.00	24.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.94	0.06	0.00

Demand (PCU/TS)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	611.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	338.00	49.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.87	0.13	0.00

Demand (PCU/TS)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	522.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	332.00	46.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.12	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
-
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.014	1.000

Heavy Vehicle Percentages

08:15
-
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.014	1.000

Heavy Vehicle Percentages

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Heavy Vehicle Percentages

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
08:00-08:15	A - A27 Arundel Road East	561.00	561.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	433.00	433.00
08:15-08:30	A - A27 Arundel Road East	591.00	591.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	435.00	435.00
08:30-08:45	A - A27 Arundel Road East	611.00	611.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	387.00	387.00
08:45-09:00	A - A27 Arundel Road East	522.00	522.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	378.00	378.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					370.25	1481.00
C-B	0.83	61.15	3.4	F	38.00	152.00
AB					0.00	0.00
AC					571.25	2285.00

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	68.19	0.000	0.00	0.0	0.0	0.000	A
C-A	400.00	400.00			400.00				
C-B	33.00	33.00	68.48	0.482	32.11	0.0	0.9	24.543	C
AB	0.00	0.00			0.00				
AC	561.00	561.00			561.00				

08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	62.42	0.000	0.00	0.0	0.0	0.000	A
C-A	411.00	411.00			411.00				
C-B	24.00	24.00	62.92	0.381	24.25	0.9	0.6	23.755	C
AB	0.00	0.00			0.00				
AC	591.00	591.00			591.00				

08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	59.94	0.000	0.00	0.0	0.0	0.000	A
C-A	338.00	338.00			338.00				
C-B	49.00	49.00	59.21	0.828	46.23	0.6	3.4	81.147	F
AB	0.00	0.00			0.00				
AC	611.00	611.00			611.00				

08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	79.91	0.000	0.00	0.0	0.0	0.000	A
C-A	332.00	332.00			332.00				
C-B	46.00	46.00	75.72	0.608	47.73	3.4	1.7	34.285	D
AB	0.00	0.00			0.00				
AC	522.00	522.00			522.00				

2031 DS, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		4.33	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D10	2031 DS	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	485.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	688.00	69.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	433.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	682.00	78.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Demand (PCU/TS)

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	439.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	674.00	81.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/TS)

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	462.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	549.00	68.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
~
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.042
	B - Nyton Road	1.000	1.000	1.014
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:15
~
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.014	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
17:00-17:15	A - A27 Arundel Road East	485.00	485.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	757.00	757.00
17:15-17:30	A - A27 Arundel Road East	433.00	433.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	760.00	760.00
17:30-17:45	A - A27 Arundel Road East	439.00	439.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	755.00	755.00
17:45-18:00	A - A27 Arundel Road East	462.00	462.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	617.00	617.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					648.25	2593.00
C-B	0.89	66.83	5.7	F	74.00	296.00
AB					0.00	0.00
AC					454.75	1819.00

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	33.80	0.000	0.00	0.0	0.0	0.000	A
C-A	688.00	688.00			688.00				
C-B	69.00	69.00	82.58	0.836	65.24	0.0	3.8	45.662	E
AB	0.00	0.00			0.00				
AC	485.00	485.00			485.00				

17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	44.66	0.000	0.00	0.0	0.0	0.000	A
C-A	682.00	682.00			682.00				
C-B	78.00	78.00	92.22	0.846	77.28	3.8	4.5	55.786	F
AB	0.00	0.00			0.00				
AC	433.00	433.00			433.00				

17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	42.91	0.000	0.00	0.0	0.0	0.000	A
C-A	674.00	674.00			674.00				
C-B	81.00	81.00	91.11	0.889	79.74	4.5	5.7	66.826	F
AB	0.00	0.00			0.00				
AC	439.00	439.00			439.00				

17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	60.41	0.000	0.00	0.0	0.0	0.000	A
C-A	549.00	549.00			549.00				
C-B	68.00	68.00	86.84	0.783	69.55	5.7	4.2	65.803	F
AB	0.00	0.00			0.00				
AC	462.00	462.00			462.00				

2038 DM, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		2.30	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D11	2038 DM	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

08:00
-
08:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	582.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	436.00	31.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.93	0.07	0.00

Demand (PCU/TS)

08:15
-
08:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	613.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	448.00	23.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.95	0.05	0.00

Demand (PCU/TS)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	634.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	369.00	46.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/TS)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	541.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	362.00	44.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
-
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:15
-
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
08:00-08:15	A - A27 Arundel Road East	582.00	582.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	467.00	467.00
08:15-08:30	A - A27 Arundel Road East	613.00	613.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	471.00	471.00
08:30-08:45	A - A27 Arundel Road East	634.00	634.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	415.00	415.00
08:45-09:00	A - A27 Arundel Road East	541.00	541.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	406.00	406.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					403.75	1615.00
C-B	0.84	65.92	3.5	F	36.00	144.00
AB					0.00	0.00
AC					592.50	2370.00

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	59.78	0.000	0.00	0.0	0.0	0.000	A
C-A	436.00	436.00			436.00				
C-B	31.00	31.00	64.59	0.480	30.13	0.0	0.9	25.532	D
AB	0.00	0.00			0.00				
AC	582.00	582.00			582.00				

08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	53.16	0.000	0.00	0.0	0.0	0.000	A
C-A	448.00	448.00			448.00				
C-B	23.00	23.00	58.84	0.391	23.21	0.9	0.7	25.415	D
AB	0.00	0.00			0.00				
AC	613.00	613.00			613.00				

08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	51.76	0.000	0.00	0.0	0.0	0.000	A
C-A	369.00	369.00			369.00				
C-B	46.00	46.00	54.94	0.837	43.20	0.7	3.5	65.322	F
AB	0.00	0.00			0.00				
AC	634.00	634.00			634.00				

08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	73.12	0.000	0.00	0.0	0.0	0.000	A
C-A	362.00	362.00			362.00				
C-B	44.00	44.00	72.19	0.610	45.78	3.5	1.7	35.953	E
AB	0.00	0.00			0.00				
AC	541.00	541.00			541.00				

2038 DM, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.42	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D12	2038 DM	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	535.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	695.00	60.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.92	0.08	0.00

Demand (PCU/TS)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	478.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	689.00	68.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	485.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	682.00	71.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	510.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	555.00	60.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
~
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:15
~
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.014	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
17:00-17:15	A - A27 Arundel Road East	535.00	535.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	755.00	755.00
17:15-17:30	A - A27 Arundel Road East	478.00	478.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	757.00	757.00
17:30-17:45	A - A27 Arundel Road East	485.00	485.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	753.00	753.00
17:45-18:00	A - A27 Arundel Road East	510.00	510.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	615.00	615.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					655.25	2621.00
C-B	0.88	64.54	4.7	F	64.75	259.00
AB					0.00	0.00
AC					502.00	2008.00

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	20.99	0.000	0.00	0.0	0.0	0.000	A
C-A	695.00	695.00			695.00				
C-B	60.00	60.00	73.30	0.819	56.61	0.0	3.4	47.333	E
AB	0.00	0.00			0.00				
AC	535.00	535.00			535.00				

17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	34.70	0.000	0.00	0.0	0.0	0.000	A
C-A	689.00	689.00			689.00				
C-B	68.00	68.00	83.88	0.811	67.65	3.4	3.7	53.015	F
AB	0.00	0.00			0.00				
AC	478.00	478.00			478.00				

17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	32.52	0.000	0.00	0.0	0.0	0.000	A
C-A	682.00	682.00			682.00				
C-B	71.00	71.00	82.58	0.860	70.03	3.7	4.7	68.540	F
AB	0.00	0.00			0.00				
AC	485.00	485.00			485.00				

17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	50.47	0.000	0.00	0.0	0.0	0.000	A
C-A	555.00	555.00			555.00				
C-B	60.00	60.00	77.94	0.770	60.88	4.7	3.8	55.891	F
AB	0.00	0.00			0.00				
AC	510.00	510.00			510.00				

2038 DS, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		3.14	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D13	2038 DS	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

08:00
-
08:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	568.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	442.00	35.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.93	0.07	0.00

Demand (PCU/TS)

08:15
-
08:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	599.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	454.00	26.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.95	0.05	0.00

Demand (PCU/TS)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	619.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	374.00	53.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.12	0.00

Demand (PCU/TS)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	528.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	367.00	50.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.12	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
-
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:15
-
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.042	1.000	1.000

Heavy Vehicle Percentages

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Heavy Vehicle Percentages

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.014	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
08:00-08:15	A - A27 Arundel Road East	568.00	568.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	477.00	477.00
08:15-08:30	A - A27 Arundel Road East	599.00	599.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	480.00	480.00
08:30-08:45	A - A27 Arundel Road East	619.00	619.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	427.00	427.00
08:45-09:00	A - A27 Arundel Road East	528.00	528.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	417.00	417.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					409.25	1637.00
C-B	0.92	79.87	5.0	F	41.00	164.00
AB					0.00	0.00
AC					578.50	2314.00

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	61.11	0.000	0.00	0.0	0.0	0.000	A
C-A	442.00	442.00			442.00				
C-B	35.00	35.00	67.18	0.521	33.98	0.0	1.0	26.377	D
AB	0.00	0.00			0.00				
AC	568.00	568.00			568.00				

08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	54.73	0.000	0.00	0.0	0.0	0.000	A
C-A	454.00	454.00			454.00				
C-B	26.00	26.00	61.43	0.423	26.26	1.0	0.8	25.785	D
AB	0.00	0.00			0.00				
AC	599.00	599.00			599.00				

08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	52.54	0.000	0.00	0.0	0.0	0.000	A
C-A	374.00	374.00			374.00				
C-B	53.00	53.00	57.72	0.918	48.79	0.8	5.0	78.868	F
AB	0.00	0.00			0.00				
AC	619.00	619.00			619.00				

08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	73.50	0.000	0.00	0.0	0.0	0.000	A
C-A	367.00	367.00			367.00				
C-B	50.00	50.00	74.60	0.670	52.68	5.0	2.3	45.304	E
AB	0.00	0.00			0.00				
AC	528.00	528.00			528.00				

2038 DS, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		4.86	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D14	2038 DS	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.40	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/TS)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	522.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	726.00	66.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.92	0.08	0.00

Demand (PCU/TS)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	466.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	719.00	75.00	0.00

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/TS)

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	472.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	712.00	78.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Demand (PCU/TS)

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	497.00
	B - Nyton Road	0.00	0.00	0.00
	C - A27 Arundel Road West	579.00	66.00	0.00

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.90	0.10	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
~
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:15
~
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:30
~
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.028	1.000	1.000

Heavy Vehicle Percentages

17:45
~
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.028
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.014	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/TS)	Demand in PCU (PCU/TS)
17:00-17:15	A - A27 Arundel Road East	522.00	522.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	792.00	792.00
17:15-17:30	A - A27 Arundel Road East	466.00	466.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	794.00	794.00
17:30-17:45	A - A27 Arundel Road East	472.00	472.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	790.00	790.00
17:45-18:00	A - A27 Arundel Road East	497.00	497.00
	B - Nyton Road	0.00	0.00
	C - A27 Arundel Road West	645.00	645.00

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0.00	0.00
C-A					684.00	2736.00
C-B	0.92	84.90	6.8	F	71.25	285.00
AB					0.00	0.00
AC					489.25	1957.00

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	16.11	0.000	0.00	0.0	0.0	0.000	A
C-A	726.00	726.00			726.00				
C-B	66.00	66.00	75.72	0.872	61.63	0.0	4.4	83.718	F
AB	0.00	0.00			0.00				
AC	522.00	522.00			522.00				

17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	29.40	0.000	0.00	0.0	0.0	0.000	A
C-A	719.00	719.00			719.00				
C-B	75.00	75.00	86.10	0.871	74.16	4.4	5.2	67.662	F
AB	0.00	0.00			0.00				
AC	466.00	466.00			466.00				

17:30 - 17:45

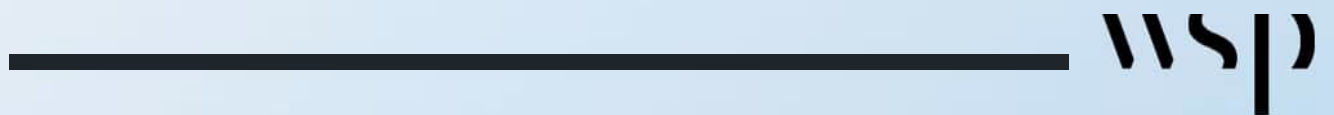
Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	27.22	0.000	0.00	0.0	0.0	0.000	A
C-A	712.00	712.00			712.00				
C-B	78.00	78.00	84.99	0.918	76.37	5.2	6.8	84.838	F
AB	0.00	0.00			0.00				
AC	472.00	472.00			472.00				

17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0.00	0.00	47.34	0.000	0.00	0.0	0.0	0.000	A
C-A	579.00	579.00			579.00				
C-B	66.00	66.00	80.35	0.821	67.29	6.8	5.5	74.825	F
AB	0.00	0.00			0.00				
AC	497.00	497.00			497.00				

Appendix B

WSP A27/ Nyton Road Modelling
Outputs



Junctions 10				
PICADY 10 - Priority Intersection Module				
Version: 10.0.1.1519				
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Filename: 4-A27 Nyton Road 2016 including Dev - Oct 2024 TAA.j10
 Path: \\uksou1ser01\Projects\70013258 - Land at Westergate -Cala Homes\Design and Analysis\Transport\2022
 TA\01092023_Updated Files\Junction Models_Updated\Revised Geometry
 Report generation date: 19/12/2024 12:02:05

- »A27 Nyton Road - 2019 Base, AM
- »A27 Nyton Road - 2019 Base, PM
- »A27 Nyton Road - 2031 DM, AM
- »A27 Nyton Road - 2031 DM, PM
- »A27 Nyton Road - 2031 Base+Dev, AM
- »A27 Nyton Road - 2031 Base+Dev, PM
- »A27 Nyton Road - 2031 Base+Dev+BEW, AM
- »A27 Nyton Road - 2031 Base+Dev+BEW, PM
- »A27 Nyton Road - 2038 Base+Dev+BEW, AM
- »A27 Nyton Road - 2038 Base+Dev+BEW, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	A27 Nyton Road - 2019 Base									
Stream B-AC	D1	0.0	0.00	0.00	A	D2	0.0	0.00	0.00	A
Stream C-AB		2.0	38.10	0.69	E		9.7	54.79	0.93	F
	A27 Nyton Road - 2031 DM									
Stream B-AC	D3	0.2	0.81	0.14	A	D4	0.1	0.73	0.07	A
Stream C-AB		1.9	38.23	0.69	E		5.1	38.89	0.88	E
	A27 Nyton Road - 2031 Base+Dev									
Stream B-AC	D7	0.2	0.82	0.15	A	D8	0.1	0.74	0.07	A
Stream C-AB		2.5	43.49	0.75	E		14.2	68.67	1.00	F
	A27 Nyton Road - 2031 Base+Dev+BEW									
Stream B-AC	D9	0.2	0.83	0.16	A	D10	0.1	0.74	0.08	A
Stream C-AB		2.4	41.88	0.74	E		10.2	47.37	0.95	E
	A27 Nyton Road - 2038 Base+Dev+BEW									
Stream B-AC	D11	0.2	0.86	0.19	A	D12	0.1	0.76	0.10	A
Stream C-AB		3.7	48.09	0.83	E		14.4	72.62	1.01	F

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

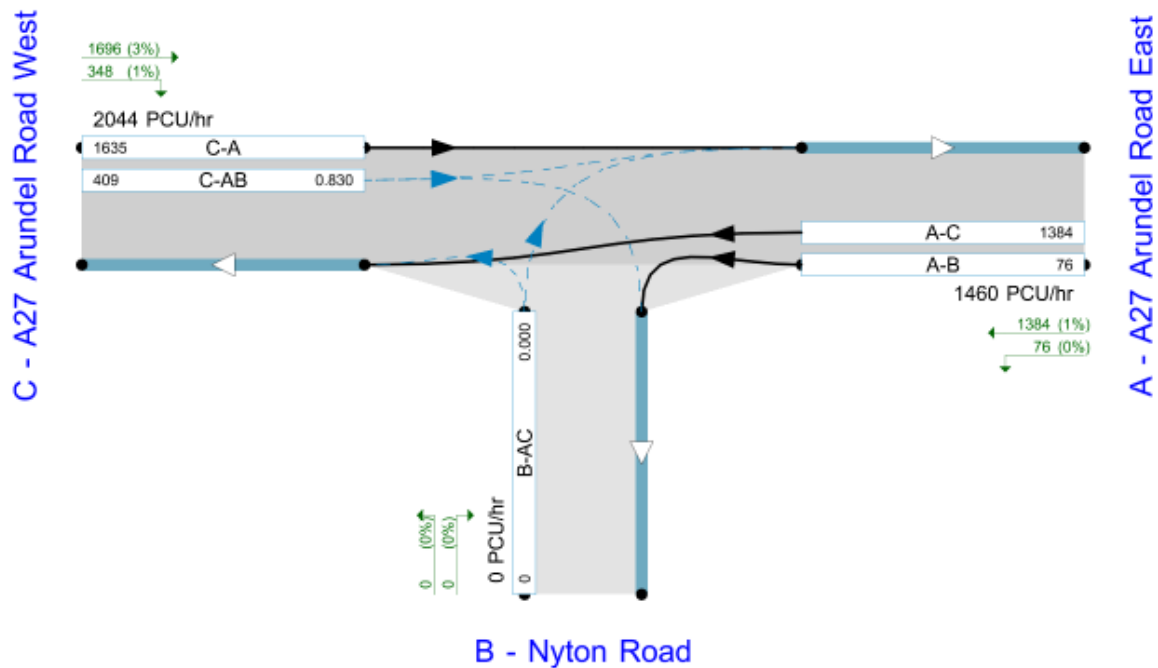
File summary

File Description

Title	A27 Nyton Road
Location	
Site number	
Date	23/03/2012
Version	
Status	
Identifier	
Client	
Jobnumber	
Enumerator	
Description	

Units

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



Flows show original traffic demand (PCU/hr).
Streams (upstream end) show Total Demand (PCU/hr). Streams (downstream end) show RVC (l).
Time Segment: 17:00-17:15

The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75				✓		0.85	38.00	20.00		500

Demand Set Summary

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2019 Base	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓
D2	2019 Base	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓
D3	2031 DM	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓
D4	2031 DM	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓
D7	2031 Base+Dev	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓
D8	2031 Base+Dev	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓
D9	2031 Base+Dev+BEW	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓
D10	2031 Base+Dev+BEW	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓
D11	2038 Base+Dev+BEW	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓
D12	2038 Base+Dev+BEW	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓

Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	A27 Nyton Road	✓	100.000	100.000

A27 Nyton Road - 2019 Base, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.62	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.62	A

Arms

Arms

Arm	Name	Description	Arm type
A	A27 Arundel Road East		Major
B	Nyton Road		Minor
C	A27 Arundel Road West		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Width of kerbed central reserve (m)	Has right-turn storage	Width for right-turn storage (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - A27 Arundel Road West	15.73	✓	8.38	✓	4.07	200.0	✓	17.00

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 - Nyton Road	One lane	4.88	150	167

Slope / Intercept / Capacity

Custom Intercept Adjustments

Stream	Use adjustment	Reason	Direct intercept adjustment (PCU/hr)
C-B	✓		-140

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	864	0.076	0.193	0.122	0.276
B-C	865	0.076	0.193	-	-
C-B	690	0.185	0.185	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

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.

Stream Intercept Adjustments

Stream intercept adjustment	Use adjustment	Reason	Direct intercept adjustment (PCU/hr)
B-AC	✓	(PICADY 5 CT16 Import)	4800

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2019 Base	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

08:00
-
08:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	From			
	A - A27 Arundel Road East	0	56	1944
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1400	132	0

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	From			
	A - A27 Arundel Road East	0.00	0.03	0.97
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/hr)

08:15
-
08:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	From			
	A - A27 Arundel Road East	0	28	2048
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1440	100	0

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	From			
	A - A27 Arundel Road East	0.00	0.01	0.99
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.94	0.06	0.00

Demand (PCU/hr)

08:30
-
08:45

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	From			
	A - A27 Arundel Road East	0	32	2116
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1184	200	0

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	From			
	A - A27 Arundel Road East	0.00	0.01	0.99
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.86	0.14	0.00

Demand (PCU/hr)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	36	1808
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1160	188	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.02	0.98
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.88	0.14	0.00

Vehicle Mix

Heavy Vehicle Percentages

08:00
-
08:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	18	3
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	9	6	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.180	1.030
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.090	1.080	1.000

Heavy Vehicle Percentages

08:15
-
08:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	17	4
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	7	4	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.170	1.040
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.070	1.040	1.000

Heavy Vehicle Percentages

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	14	5
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	12	2	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.140	1.050
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.120	1.020	1.000

Heavy Vehicle Percentages

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	29	6
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	13	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.290	1.080
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.130	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A - A27 Arundel Road East	2000	2000
	B - Nyton Road	0	0
	C - A27 Arundel Road West	1532	1532
08:15-08:30	A - A27 Arundel Road East	2076	2076
	B - Nyton Road	0	0
	C - A27 Arundel Road West	1540	1540
08:30-08:45	A - A27 Arundel Road East	2148	2148
	B - Nyton Road	0	0
	C - A27 Arundel Road West	1384	1384
08:45-09:00	A - A27 Arundel Road East	1844	1844
	B - Nyton Road	0	0
	C - A27 Arundel Road West	1348	1348

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0	0
C-AB	0.69	36.10	2.0	E	155	155
C-A					1296	1296
A-B					38	38
A-C					1979	1979

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5153	0.000	0	0.0	0.0	0.000	A
C-AB	132	33	319	0.414	129	0.0	0.7	19.798	C
C-A	1400	350			1400				
A-B	56	14			56				
A-C	1944	486			1944				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5136	0.000	0	0.0	0.0	0.000	A
C-AB	100	25	305	0.328	101	0.7	0.5	18.686	C
C-A	1440	360			1440				
A-B	28	7			28				
A-C	2048	512			2048				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5125	0.000	0	0.0	0.0	0.000	A
C-AB	202	50	294	0.686	196	0.5	2.0	36.105	E
C-A	1182	296			1182				
A-B	32	8			32				
A-C	2116	529			2116				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5192	0.000	0	0.0	0.0	0.000	A
C-AB	188	47	348	0.540	191	2.0	1.3	23.826	C
C-A	1160	290			1160				
A-B	36	9			36				
A-C	1808	452			1808				

A27 Nyton Road - 2019 Base, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		8.95	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	8.95	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D2	2019 Base	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

17:00
-
17:15

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0	76	1384
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1696	348	0

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.05	0.95
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.83	0.17	0.00

Demand (PCU/hr)

17:15
-
17:30

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0	56	1236
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1608	392	0

Proportions

	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
From				
	A - A27 Arundel Road East	0.00	0.04	0.96
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.80	0.20	0.00

Demand (PCU/hr)

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	112	1256
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1664	408	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.08	0.92
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.80	0.20	0.00

Demand (PCU/hr)

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	60	1320
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	1352	344	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.04	0.96
	B - Nyton Road	0.33	0.33	0.33
	C - A27 Arundel Road West	0.80	0.20	0.00

Vehicle Mix

Heavy Vehicle Percentages

17:00
-
17:15

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	3	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.010
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.030	1.010	1.000

Heavy Vehicle Percentages

17:15
-
17:30

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.020
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.020	1.000	1.000

Heavy Vehicle Percentages

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	4	4
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.040	1.040
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.020	1.010	1.000

Heavy Vehicle Percentages

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2
	B - Nyton Road	0	0	0
	C - A27 Arundel Road West	2	1	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.020
	B - Nyton Road	1.000	1.000	1.000
	C - A27 Arundel Road West	1.020	1.010	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
17:00-17:15	A - A27 Arundel Road East	1460	1460
	B - Nyton Road	0	0
	C - A27 Arundel Road West	2044	2044
17:15-17:30	A - A27 Arundel Road East	1292	1292
	B - Nyton Road	0	0
	C - A27 Arundel Road West	2000	2000
17:30-17:45	A - A27 Arundel Road East	1368	1368
	B - Nyton Road	0	0
	C - A27 Arundel Road West	2072	2072
17:45-18:00	A - A27 Arundel Road East	1380	1380
	B - Nyton Road	0	0
	C - A27 Arundel Road West	1696	1696

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.00	0.00	0.0	A	0	0
C-AB	0.93	54.79	9.7	F	544	544
C-A					1409	1409
A-B					76	76
A-C					1299	1299

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5188	0.000	0	0.0	0.0	0.000	A
C-AB	409	102	493	0.830	393	0.0	4.1	32.690	D
C-A	1635	409			1635				
A-B	76	19			76				
A-C	1384	346			1384				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5216	0.000	0	0.0	0.0	0.000	A
C-AB	536	134	616	0.871	529	4.1	6.0	39.826	E
C-A	1464	366			1464				
A-B	56	14			56				
A-C	1236	309			1236				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5196	0.000	0	0.0	0.0	0.000	A
C-AB	864	216	926	0.934	850	6.0	9.7	40.199	E
C-A	1208	302			1208				
A-B	112	28			112				
A-C	1256	314			1256				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	5233	0.000	0	0.0	0.0	0.000	A
C-AB	385	91	463	0.790	385	9.7	4.9	54.788	F
C-A	1331	333			1331				
A-B	60	15			60				
A-C	1320	330			1320				

A27 Nyton Road - 2031 DM, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.36	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.36	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D3	2031 DM	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

08:00 - 08:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2111
	B - Nyton Road	0	0	739
	C - A27 Arundel Road West	1454	119	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.92	0.08	0.00

Demand (PCU/hr)

08:15 - 08:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2224
	B - Nyton Road	0	0	739
	C - A27 Arundel Road West	1496	90	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.94	0.06	0.00

Demand (PCU/hr)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2298
	B - Nyton Road	0	0	739
	C - A27 Arundel Road West	1230	181	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.87	0.13	0.00

Demand (PCU/hr)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1963
	B - Nyton Road	0	0	739
	C - A27 Arundel Road West	1205	170	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.88	0.12	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A - A27 Arundel Road East	2111	2111
	B - Nyton Road	739	739
	C - A27 Arundel Road West	1573	1573
08:15-08:30	A - A27 Arundel Road East	2224	2224
	B - Nyton Road	739	739
	C - A27 Arundel Road West	1586	1586
08:30-08:45	A - A27 Arundel Road East	2298	2298
	B - Nyton Road	739	739
	C - A27 Arundel Road West	1411	1411
08:45-09:00	A - A27 Arundel Road East	1963	1963
	B - Nyton Road	739	739
	C - A27 Arundel Road West	1375	1375

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.14	0.81	0.2	A	739	739
C-AB	0.69	38.23	1.9	E	140	140
C-A					1346	1346
A-B					0	0
A-C					2149	2149

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	739	185	5257	0.141	738	0.0	0.2	0.804	A
C-AB	119	30	299	0.399	116	0.0	0.6	19.508	C
C-A	1454	363			1454				
A-B	0	0			0				
A-C	2111	528			2111				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	739	185	5235	0.141	739	0.2	0.2	0.807	A
C-AB	90	23	278	0.324	91	0.6	0.5	19.311	C
C-A	1496	374			1496				
A-B	0	0			0				
A-C	2224	556			2224				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	739	185	5221	0.142	739	0.2	0.2	0.810	A
C-AB	182	46	266	0.686	177	0.5	1.9	38.227	E
C-A	1229	307			1229				
A-B	0	0			0				
A-C	2298	575			2298				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	739	185	5286	0.140	739	0.2	0.2	0.801	A
C-AB	170	43	326	0.521	173	1.9	1.1	23.992	C
C-A	1205	301			1205				
A-B	0	0			0				
A-C	1963	491			1963				

A27 Nyton Road - 2031 DM, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		2.76	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.76	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D4	2031 DM	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

17:00 - 17:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1785
	B - Nyton Road	0	0	364
	C - A27 Arundel Road West	2527	262	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/hr)

17:15 - 17:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1594
	B - Nyton Road	0	0	364
	C - A27 Arundel Road West	2396	295	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/hr)

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1791
	B - Nyton Road	0	0	364
	C - A27 Arundel Road West	2479	307	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/hr)

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1530
	B - Nyton Road	0	0	364
	C - A27 Arundel Road West	2014	259	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
17:00-17:15	A - A27 Arundel Road East	1785	1785
	B - Nyton Road	364	364
	C - A27 Arundel Road West	2789	2789
17:15-17:30	A - A27 Arundel Road East	1594	1594
	B - Nyton Road	364	364
	C - A27 Arundel Road West	2691	2691
17:30-17:45	A - A27 Arundel Road East	1791	1791
	B - Nyton Road	364	364
	C - A27 Arundel Road West	2786	2786
17:45-18:00	A - A27 Arundel Road East	1530	1530
	B - Nyton Road	364	364
	C - A27 Arundel Road West	2273	2273

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.07	0.73	0.1	A	364	364
C-AB	0.86	38.89	5.1	E	325	325
C-A					2309	2309
A-B					0	0
A-C					1675	1675

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	364	91	5320	0.068	364	0.0	0.1	0.733	A
C-AB	271	68	371	0.730	261	0.0	2.4	30.646	D
C-A	2518	630			2518				
A-B	0	0			0				
A-C	1785	446			1785				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	364	91	5357	0.068	364	0.1	0.1	0.727	A
C-AB	308	77	412	0.748	306	2.4	2.8	33.566	D
C-A	2383	596			2383				
A-B	0	0			0				
A-C	1594	399			1594				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	364	91	5319	0.068	364	0.1	0.1	0.733	A
C-AB	463	116	539	0.860	454	2.8	5.1	38.889	E
C-A	2323	581			2323				
A-B	0	0			0				
A-C	1791	448			1791				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	364	91	5369	0.068	364	0.1	0.1	0.728	A
C-AB	260	65	409	0.635	273	5.1	1.9	28.820	D
C-A	2013	503			2013				
A-B	0	0			0				
A-C	1530	383			1530				

A27 Nyton Road - 2031 Base+Dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.66	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.66	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D7	2031 Base+Dev	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

08:00 - 08:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2111
	B - Nyton Road	0	0	772
	C - A27 Arundel Road West	1454	130	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.92	0.08	0.00

Demand (PCU/hr)

08:15 - 08:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2224
	B - Nyton Road	0	0	772
	C - A27 Arundel Road West	1496	99	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.94	0.06	0.00

Demand (PCU/hr)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2298
	B - Nyton Road	0	0	772
	C - A27 Arundel Road West	1230	197	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.88	0.14	0.00

Demand (PCU/hr)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1963
	B - Nyton Road	0	0	772
	C - A27 Arundel Road West	1205	186	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.87	0.13	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A - A27 Arundel Road East	2111	2111
	B - Nyton Road	772	772
	C - A27 Arundel Road West	1584	1584
08:15-08:30	A - A27 Arundel Road East	2224	2224
	B - Nyton Road	772	772
	C - A27 Arundel Road West	1595	1595
08:30-08:45	A - A27 Arundel Road East	2298	2298
	B - Nyton Road	772	772
	C - A27 Arundel Road West	1427	1427
08:45-09:00	A - A27 Arundel Road East	1963	1963
	B - Nyton Road	772	772
	C - A27 Arundel Road West	1391	1391

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	0.82	0.2	A	772	772
C-AB	0.75	43.49	2.5	E	155	155
C-A					1345	1345
A-B					0	0
A-C					2149	2149

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	772	193	5257	0.147	771	0.0	0.2	0.809	A
C-AB	130	33	299	0.435	127	0.0	0.7	20.653	C
C-A	1454	383			1454				
A-B	0	0			0				
A-C	2111	528			2111				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	772	193	5235	0.147	772	0.2	0.2	0.813	A
C-AB	99	25	278	0.357	100	0.7	0.6	20.312	C
C-A	1498	374			1498				
A-B	0	0			0				
A-C	2224	558			2224				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	772	193	5221	0.148	772	0.2	0.2	0.816	A
C-AB	203	51	272	0.747	198	0.6	2.5	43.493	E
C-A	1224	306			1224				
A-B	0	0			0				
A-C	2298	575			2298				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	772	193	5288	0.148	772	0.2	0.2	0.807	A
C-AB	186	47	328	0.570	190	2.5	1.4	27.285	D
C-A	1205	301			1205				
A-B	0	0			0				
A-C	1983	491			1983				

A27 Nyton Road - 2031 Base+Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		14.53	B

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	14.53	B

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D8	2031 Base+Dev	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

17:00 - 17:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1785
	B - Nyton Road	0	0	388
	C - A27 Arundel Road West	2527	304	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/hr)

17:15 - 17:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1594
	B - Nyton Road	0	0	388
	C - A27 Arundel Road West	2398	343	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.87	0.13	0.00

Demand (PCU/hr)

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1791
	B - Nyton Road	0	0	386
	C - A27 Arundel Road West	2479	357	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.87	0.13	0.00

Demand (PCU/hr)

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1530
	B - Nyton Road	0	0	386
	C - A27 Arundel Road West	2014	301	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.87	0.13	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
17:00-17:15	A - A27 Arundel Road East	1785	1785
	B - Nyton Road	386	386
	C - A27 Arundel Road West	2831	2831
17:15-17:30	A - A27 Arundel Road East	1594	1594
	B - Nyton Road	386	386
	C - A27 Arundel Road West	2739	2739
17:30-17:45	A - A27 Arundel Road East	1791	1791
	B - Nyton Road	386	386
	C - A27 Arundel Road West	2836	2836
17:45-18:00	A - A27 Arundel Road East	1530	1530
	B - Nyton Road	386	386
	C - A27 Arundel Road West	2315	2315

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.07	0.74	0.1	A	386	386
C-AB	1.00	88.87	14.2	F	999	999
C-A					1681	1681
A-B					0	0
A-C					1675	1675

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	386	97	5320	0.073	386	0.0	0.1	0.736	A
C-AB	430	108	508	0.847	412	0.0	4.5	33.580	D
C-A	2401	800			2401				
A-B	0	0			0				
A-C	1785	446			1785				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	386	97	5357	0.072	386	0.1	0.1	0.733	A
C-AB	536	134	616	0.870	529	4.5	6.2	39.816	E
C-A	2203	551			2203				
A-B	0	0			0				
A-C	1594	399			1594				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	386	97	5319	0.073	386	0.1	0.1	0.736	A
C-AB	2720	680	2723	0.999	2688	6.2	14.2	32.612	D
C-A	116	29			116				
A-B	0	0			0				
A-C	1791	448			1791				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	386	97	5369	0.072	386	0.1	0.1	0.729	A
C-AB	310	78	425	0.730	353	14.2	3.5	68.674	F
C-A	2005	501			2005				
A-B	0	0			0				
A-C	1530	383			1530				

A27 Nyton Road - 2031 Base+Dev+BEW, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.61	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.61	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D9	2031 Base+Dev+BEW	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

08:00 - 08:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2082
	B - Nyton Road	0	0	837
	C - A27 Arundel Road West	1455	131	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.92	0.08	0.00

Demand (PCU/hr)

08:15 - 08:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2193
	B - Nyton Road	0	0	837
	C - A27 Arundel Road West	1497	99	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.94	0.06	0.00

Demand (PCU/hr)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2266
	B - Nyton Road	0	0	837
	C - A27 Arundel Road West	1231	199	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.86	0.14	0.00

Demand (PCU/hr)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1936
	B - Nyton Road	0	0	837
	C - A27 Arundel Road West	1206	187	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.87	0.13	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A - A27 Arundel Road East	2082	2082
	B - Nyton Road	837	837
	C - A27 Arundel Road West	1586	1586
08:15-08:30	A - A27 Arundel Road East	2193	2193
	B - Nyton Road	837	837
	C - A27 Arundel Road West	1596	1596
08:30-08:45	A - A27 Arundel Road East	2266	2266
	B - Nyton Road	837	837
	C - A27 Arundel Road West	1430	1430
08:45-09:00	A - A27 Arundel Road East	1936	1936
	B - Nyton Road	837	837
	C - A27 Arundel Road West	1393	1393

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	0.83	0.2	A	837	837
C-AB	0.74	41.88	2.4	E	155	155
C-A					1346	1346
A-B					0	0
A-C					2119	2119

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	837	209	5263	0.159	836	0.0	0.2	0.820	A
C-AB	131	33	304	0.431	128	0.0	0.7	20.156	C
C-A	1455	364			1455				
A-B	0	0			0				
A-C	2082	521			2082				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	837	209	5241	0.160	837	0.2	0.2	0.824	A
C-AB	99	25	283	0.349	100	0.7	0.6	19.678	C
C-A	1497	374			1497				
A-B	0	0			0				
A-C	2193	548			2193				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	837	209	5227	0.160	837	0.2	0.2	0.827	A
C-AB	204	51	277	0.738	197	0.6	2.4	41.883	E
C-A	1226	306			1226				
A-B	0	0			0				
A-C	2266	567			2266				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	837	209	5291	0.158	837	0.2	0.2	0.815	A
C-AB	187	47	331	0.565	191	2.4	1.4	26.393	D
C-A	1206	301			1206				
A-B	0	0			0				
A-C	1936	484			1936				

A27 Nyton Road - 2031 Base+Dev+BEW, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		5.98	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.98	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D10	2031 Base+Dev+BEW	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

17:00 - 17:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1766
	B - Nyton Road	0	0	420
	C - A27 Arundel Road West	2600	293	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.90	0.10	0.00

Demand (PCU/hr)

17:15 - 17:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1578
	B - Nyton Road	0	0	420
	C - A27 Arundel Road West	2465	330	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.88	0.12	0.00

Demand (PCU/hr)

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1773
	B - Nyton Road	0	0	420
	C - A27 Arundel Road West	2551	343	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.88	0.12	0.00

Demand (PCU/hr)

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1515
	B - Nyton Road	0	0	420
	C - A27 Arundel Road West	2072	290	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.88	0.12	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
17:00-17:15	A - A27 Arundel Road East	1766	1766
	B - Nyton Road	420	420
	C - A27 Arundel Road West	2893	2893
17:15-17:30	A - A27 Arundel Road East	1578	1578
	B - Nyton Road	420	420
	C - A27 Arundel Road West	2795	2795
17:30-17:45	A - A27 Arundel Road East	1773	1773
	B - Nyton Road	420	420
	C - A27 Arundel Road West	2894	2894
17:45-18:00	A - A27 Arundel Road East	1515	1515
	B - Nyton Road	420	420
	C - A27 Arundel Road West	2362	2362

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.08	0.74	0.1	A	420	420
C-AB	0.95	47.37	10.2	E	601	601
C-A					2135	2135
A-B					0	0
A-C					1658	1658

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	420	105	5324	0.079	420	0.0	0.1	0.740	A
C-AB	349	87	432	0.808	335	0.0	3.6	33.678	D
C-A	2544	636			2544				
A-B	0	0			0				
A-C	1766	442			1766				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	420	105	5360	0.078	420	0.1	0.1	0.737	A
C-AB	417	104	502	0.831	413	3.6	4.6	39.222	E
C-A	2378	595			2378				
A-B	0	0			0				
A-C	1578	395			1578				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	420	105	5322	0.079	420	0.1	0.1	0.741	A
C-AB	1344	336	1412	0.952	1322	4.6	10.2	30.143	D
C-A	1550	387			1550				
A-B	0	0			0				
A-C	1773	443			1773				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	420	105	5372	0.078	420	0.1	0.1	0.733	A
C-AB	294	74	420	0.700	324	10.2	2.8	47.365	E
C-A	2068	517			2068				
A-B	0	0			0				
A-C	1515	379			1515				

A27 Nyton Road - 2038 Base+Dev+BEW, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		1.98	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.98	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D11	2038 Base+Dev+BEW	AM	AM Peak	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

08:00 - 08:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		0	0	2119
		0	0	1008
		1615	144	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		0.00	0.00	1.00
		0.00	0.00	1.00
		0.92	0.08	0.00

Demand (PCU/hr)

08:15 - 08:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		0	0	2232
		0	0	1008
		1661	109	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
		0.00	0.00	1.00
		0.00	0.00	1.00
		0.94	0.06	0.00

Demand (PCU/hr)

08:30
-
08:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	2306
	B - Nyton Road	0	0	1008
	C - A27 Arundel Road West	1366	218	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.86	0.14	0.00

Demand (PCU/hr)

08:45
-
09:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1971
	B - Nyton Road	0	0	1008
	C - A27 Arundel Road West	1338	205	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.87	0.13	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A - A27 Arundel Road East	2119	2119
	B - Nyton Road	1008	1008
	C - A27 Arundel Road West	1759	1759
08:15-08:30	A - A27 Arundel Road East	2232	2232
	B - Nyton Road	1008	1008
	C - A27 Arundel Road West	1770	1770
08:30-08:45	A - A27 Arundel Road East	2306	2306
	B - Nyton Road	1008	1008
	C - A27 Arundel Road West	1584	1584
08:45-09:00	A - A27 Arundel Road East	1971	1971
	B - Nyton Road	1008	1008
	C - A27 Arundel Road West	1543	1543

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.19	0.86	0.2	A	1008	1008
C-AB	0.83	48.09	3.7	E	181	181
C-A					1483	1483
A-B					0	0
A-C					2157	2157

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	1008	252	5255	0.192	1007	0.0	0.2	0.855	A
C-AB	144	36	297	0.485	140	0.0	0.9	22.503	C
C-A	1615	404			1615				
A-B	0	0			0				
A-C	2119	530			2119				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	1008	252	5234	0.193	1008	0.2	0.2	0.859	A
C-AB	109	27	276	0.395	110	0.9	0.7	21.772	C
C-A	1661	415			1661				
A-B	0	0			0				
A-C	2232	558			2232				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	1008	252	5219	0.193	1008	0.2	0.2	0.862	A
C-AB	266	67	320	0.832	254	0.7	3.7	48.086	E
C-A	1318	329			1318				
A-B	0	0			0				
A-C	2306	577			2306				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	1008	252	5284	0.191	1008	0.2	0.2	0.849	A
C-AB	205	51	326	0.630	213	3.7	1.9	33.748	D
C-A	1338	334			1338				
A-B	0	0			0				
A-C	1971	493			1971				

A27 Nyton Road - 2038 Base+Dev+BEW, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		15.06	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	15.06	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D12	2038 Base+Dev+BEW	PM	PM Peak	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - A27 Arundel Road East		DIRECT	✓	100.000
B - Nyton Road		DIRECT	✓	100.000
C - A27 Arundel Road West		DIRECT	✓	100.000

Origin-Destination Data

Demand (PCU/hr)

17:00 - 17:15	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1909
	B - Nyton Road	0	0	516
	C - A27 Arundel Road West	2751	288	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.91	0.09	0.00

Demand (PCU/hr)

17:15 - 17:30	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1705
	B - Nyton Road	0	0	516
	C - A27 Arundel Road West	2808	323	0

Proportions

	To			
	From	A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/hr)

17:30
-
17:45

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1916
	B - Nyton Road	0	0	516
	C - A27 Arundel Road West	2699	336	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.89	0.11	0.00

Demand (PCU/hr)

17:45
-
18:00

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	1637
	B - Nyton Road	0	0	516
	C - A27 Arundel Road West	2193	283	0

Proportions

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0.00	0.00	1.00
	B - Nyton Road	0.00	0.00	1.00
	C - A27 Arundel Road West	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	0	0	3
	B - Nyton Road	0	0	1
	C - A27 Arundel Road West	2	0	0

Average PCU Per Veh

From	To			
		A - A27 Arundel Road East	B - Nyton Road	C - A27 Arundel Road West
	A - A27 Arundel Road East	1.000	1.000	1.030
	B - Nyton Road	1.000	1.000	1.010
	C - A27 Arundel Road West	1.020	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
17:00-17:15	A - A27 Arundel Road East	1909	1909
	B - Nyton Road	516	516
	C - A27 Arundel Road West	3037	3037
17:15-17:30	A - A27 Arundel Road East	1705	1705
	B - Nyton Road	516	516
	C - A27 Arundel Road West	2931	2931
17:30-17:45	A - A27 Arundel Road East	1916	1916
	B - Nyton Road	516	516
	C - A27 Arundel Road West	3035	3035
17:45-18:00	A - A27 Arundel Road East	1637	1637
	B - Nyton Road	516	516
	C - A27 Arundel Road West	2476	2476

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.10	0.76	0.1	A	516	516
C-AB	1.01	72.62	14.4	F	1068	1068
C-A					1801	1801
A-B					0	0
A-C					1792	1792

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	516	129	5296	0.097	516	0.0	0.1	0.759	A
C-AB	437	109	513	0.851	419	0.0	4.6	33.862	D
C-A	2600	650			2600				
A-B	0	0			0				
A-C	1909	477			1909				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	516	129	5335	0.097	516	0.1	0.1	0.756	A
C-AB	510	128	590	0.864	504	4.6	6.1	40.689	E
C-A	2421	605			2421				
A-B	0	0			0				
A-C	1705	426			1705				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	516	129	5295	0.097	516	0.1	0.1	0.760	A
C-AB	3035	759	3019	1.005	3002	6.1	14.4	33.371	D
C-A	0	0			0				
A-B	0	0			0				
A-C	1916	479			1916				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	516	129	5349	0.096	516	0.1	0.1	0.754	A
C-AB	291	73	404	0.721	335	14.4	3.3	72.619	F
C-A	2185	546			2185				
A-B	0	0			0				
A-C	1637	409			1637				