

# **Norwich Western Link**

## **Transport Assessment - Appendix 11 – Junction Model Results**

### **Sub Appendix 11u – Junction 27a A1067 Fakenham Road/ Old Fakenham Road Slip road junction, Junction 27b Old Fakenham Road/ Old Fakenham Road Slip road junction and Junction 27c Old Fakenham Road/ A1067 Fakenham Road priority junction**

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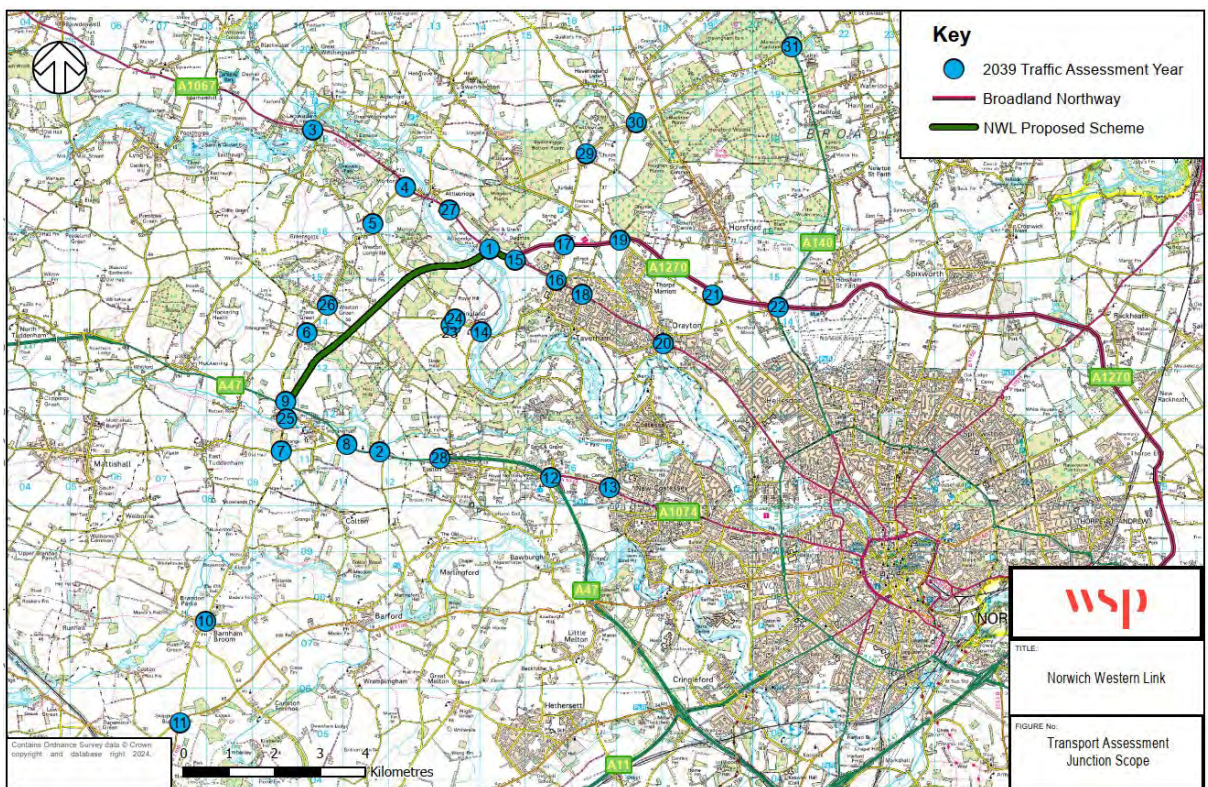
# 1 Junction Model Results

1.1.1 Junctions 10 modelling software output file that shows the junction capacity results for Junction 27a, Junction 27b and Junction 27c of the TA.

1.1.2 We have included a summary of key information shown in this document in an accessible format. However, some users may not be able to access all technical details. If you require this document in a more accessible format please contact [norwichwesternlink@norfolk.gov.uk](mailto:norwichwesternlink@norfolk.gov.uk)

1.1.3 The TA scope map is shown below as a location plan.

**Figure 1-1 Junction Assessment Scope**



1.1.4 The model results are presented for 2029 and 2039 future assessment years for AM and PM peak hours, taking 7.30-8.30am and AM peak and 5pm-6pm as PM peak.

#### 1.1.5 The scenarios tested are as follows:

- Do Minimum – the baseline future situation with committed developments and planned highway improvements but without the Proposed Scheme.
- Do Something - the baseline future situation with the Proposed Scheme.
- Do Something + Mitigation - the baseline future situation with the Proposed Scheme added plus a package of traffic mitigation measures in the wider network (north of A1067 and south of A47 plus Honingham Lane closure).

**J27a - A1067 Fakenham Road/ Old Fakenham Road Slip road junction**

<h1>Junctions 10</h1>
<h2>PICADY 10 - Priority Intersection Module</h2>
Version: 10.0.1.1519 © Copyright TRL Software Limited, 2021
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**Filename:** J27a.j10

**Path:** \\corp.pbwan.net\NNN\_Projects\70118686-70061370-Norwich Western Link 2019 20\04 Record of Issue\4A Internal WSP Doc Registers\20240129\_Model Reports(wo 2044)\J27\J27a

**Report generation date:** 29/01/2024 14:51:16

- »2029DM, AM
- »2029DM, PM
- »2029DS, AM
- »2029DS, PM
- »2029DS\_Mitigation, AM
- »2029DS\_Mitigation, PM
- »2039DM, AM
- »2039DM, PM
- »2039DS, AM
- »2039DS, PM
- »2039DS\_Mitigation, AM
- »2039DS\_Mitigation, PM

### Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
<b>2029DM</b>										
Stream B-ACD	D1	0.4	21.31	0.26	C	D2	0.1	14.11	0.13	B
Stream AB-CD		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream D-ABC		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
<b>2029DS</b>										
Stream B-ACD	D3	0.1	11.31	0.05	B	D4	0.0	9.93	0.02	A
Stream AB-CD		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream D-ABC		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
<b>2029DS_Mitigation</b>										
Stream B-ACD	D5	0.0	0.00	0.00	A	D6	0.0	9.87	0.02	A
Stream AB-CD		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream D-ABC		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
<b>2039DM</b>										
Stream B-ACD	D7	0.8	37.69	0.46	E	D8	0.2	16.42	0.14	C
Stream AB-CD		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream D-ABC		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
<b>2039DS</b>										
Stream B-ACD	D9	0.1	11.34	0.05	B	D10	0.0	10.45	0.02	B
Stream AB-CD		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream D-ABC		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
<b>2039DS_Mitigation</b>										
Stream B-ACD	D11	0.0	0.00	0.00	A	D12	0.0	10.58	0.03	B
Stream AB-CD		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream D-ABC		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A

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

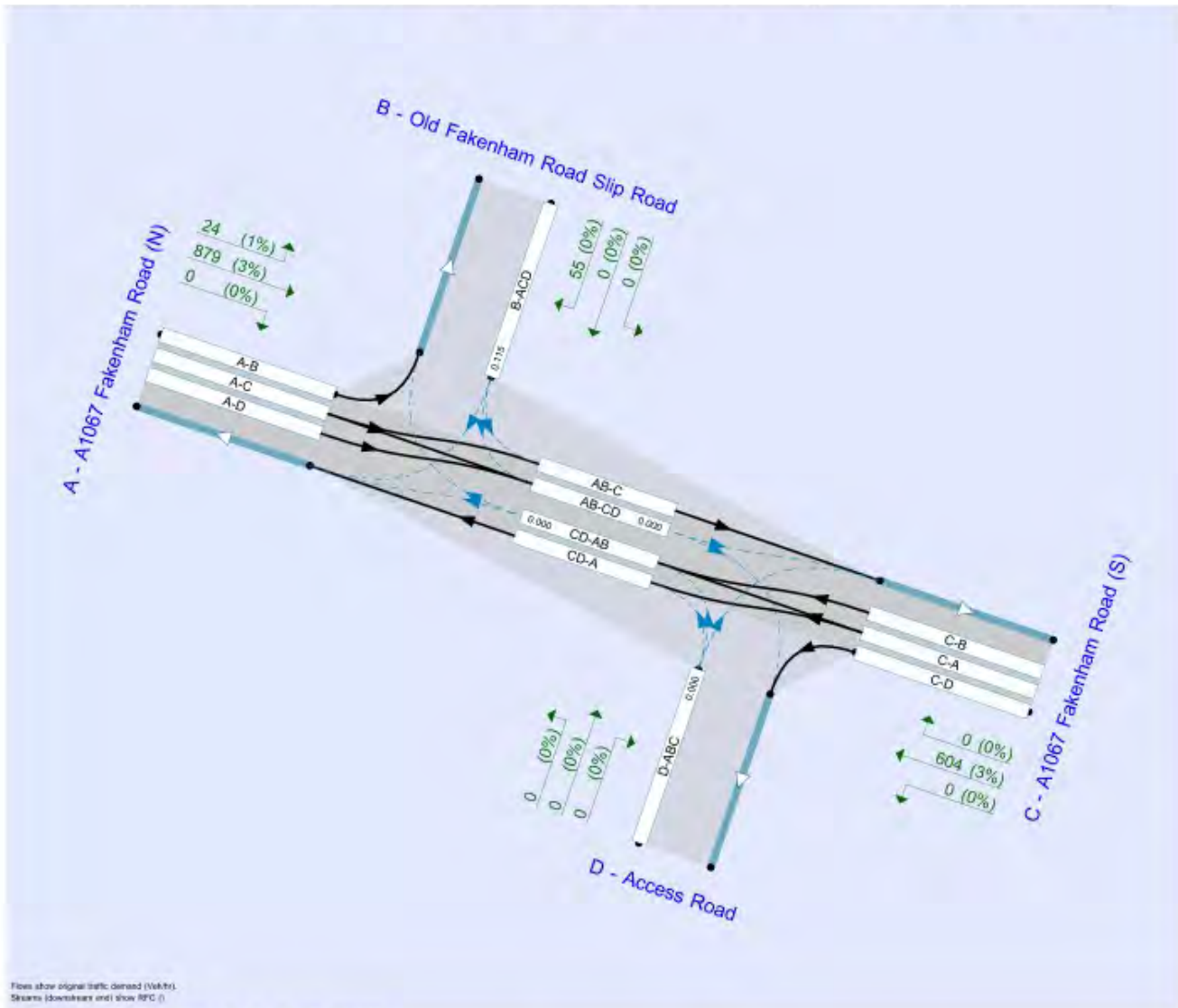
### File summary

#### File Description

Title	A1067 Fakenham Road/ Old Fakenham Road Slip road
Location	52.7045813628287, 1.154713049521705
Site number	J27a
Date	26/04/2023
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	CORP\INAL03507
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	Veh	PCU	perHour	s	-Min	perMin



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	36.00	20.00		500

### Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2029DM	AM	ONE HOUR	07:15	08:45	15	✓
D2	2029DM	PM	ONE HOUR	16:45	18:15	15	✓
D3	2029DS	AM	ONE HOUR	07:15	08:45	15	✓
D4	2029DS	PM	ONE HOUR	16:45	18:15	15	✓
D5	2029DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓
D6	2029DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓
D7	2039DM	AM	ONE HOUR	07:15	08:45	15	✓
D8	2039DM	PM	ONE HOUR	16:45	18:15	15	✓
D9	2039DS	AM	ONE HOUR	07:15	08:45	15	✓
D10	2039DS	PM	ONE HOUR	16:45	18:15	15	✓
D11	2039DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓
D12	2039DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓



### Analysis Set Details

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

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# 2029DM, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.38	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.38	A

## Arms

### Arms

Arm	Name	Description	Arm type
A	A1067 Fakenham Road (N)		Major
B	Old Fakenham Road Slip Road		Minor
C	A1067 Fakenham Road (S)		Major
D	Access Road		Minor

### Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A - A1067 Fakenham Road (N)	6.53			60.6	✓	0.00
C - A1067 Fakenham Road (S)	6.53			120.0	✓	0.00

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

### Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B - Old Fakenham Road Slip Road	One lane	5.00	19	120
D - Access Road	One lane	3.79	17	60

## Slope / Intercept / Capacity

### Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B
AB-D	609	-	-	-	-	-	0.231	0.231	0.231	-	-
B-A	651	0.116	0.293	0.293	-	-	0.184	0.418	-	0.184	0.418
B-CD	840	0.126	0.318	0.318	-	-	-	-	-	-	-
CD-B	843	0.244	0.244	0.244	-	-	-	-	-	-	-
D-AB	714	-	-	-	-	-	0.270	0.270	0.107	-	-
D-C	553	-	0.156	0.355	0.156	0.355	0.249	0.249	0.098	-	-

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.

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2029DM	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	904	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	55	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	604	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	24	879	0
	B - Old Fakenham Road Slip Road	55	0	0	0
	C - A1067 Fakenham Road (S)	604	0	0	0
	D - Access Road	0	0	0	0

### Proportions

From		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	0.00	
	B - Old Fakenham Road Slip Road	1.00	
	C - A1067 Fakenham Road (S)	1.00	
	D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	1	3	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	3	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

From		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.003	
	C - A1067 Fakenham Road (S)	1.030	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	680	699
	07:30-07:45	812	834
	07:45-08:00	995	1022
	08:00-08:15	995	1022
	08:15-08:30	812	834
	08:30-08:45	680	699
B - Old Fakenham Road Slip Road	07:15-07:30	41	42
	07:30-07:45	50	50
	07:45-08:00	61	61
	08:00-08:15	61	61
	08:15-08:30	50	50
	08:30-08:45	41	42
C - A1067 Fakenham Road (S)	07:15-07:30	455	469
	07:30-07:45	543	560
	07:45-08:00	666	685
	08:00-08:15	666	685
	08:15-08:30	543	560
	08:30-08:45	455	469
D - Access Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.26	21.31	0.4	C	51	76
A-B					22	34
A-C					829	1244
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					829	1244
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					571	857
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					571	857

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	42	10	383	0.115	41	0.0	0.1	11.174	B
A-B	18	5			18				
A-C	680	170			680				
A-D	0	0			0				
AB-CD	0	0	501	0.000	0	0.0	0.0	0.000	A
AB-C	680	170			680				
D-ABC	0	0	422	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	469	117			469				
C-B	0	0			0				
CD-AB	0	0	473	0.000	0	0.0	0.0	0.000	A
CD-A	469	117			469				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	50	12	308	0.162	49	0.1	0.2	13.980	B
A-B	22	5			22				
A-C	812	203			812				
A-D	0	0			0				
AB-CD	0	0	480	0.000	0	0.0	0.0	0.000	A
AB-C	812	203			812				
D-ABC	0	0	380	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	560	140			560				
C-B	0	0			0				
CD-AB	0	0	440	0.000	0	0.0	0.0	0.000	A
CD-A	560	140			560				

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	61	15	230	0.264	60	0.2	0.3	21.159	C
A-B	27	7			27				
A-C	995	249			995				
A-D	0	0			0				
AB-CD	0	0	451	0.000	0	0.0	0.0	0.000	A
AB-C	995	249			995				
D-ABC	0	0	317	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	685	171			685				
C-B	0	0			0				
CD-AB	0	0	395	0.000	0	0.0	0.0	0.000	A
CD-A	685	171			685				

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-ACD	61	15	230	0.264	61	0.3	0.4	21.309	C
A-B	27	7			27				
A-C	995	249			995				
A-D	0	0			0				
AB-CD	0	0	451	0.000	0	0.0	0.0	0.000	A
AB-C	995	249			995				
D-ABC	0	0	317	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	685	171			685				
C-B	0	0			0				
CD-AB	0	0	395	0.000	0	0.0	0.0	0.000	A
CD-A	685	171			685				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	50	12	308	0.162	50	0.4	0.2	14.079	B
A-B	22	5			22				
A-C	812	203			812				
A-D	0	0			0				
AB-CD	0	0	480	0.000	0	0.0	0.0	0.000	A
AB-C	812	203			812				
D-ABC	0	0	380	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	560	140			560				
C-B	0	0			0				
CD-AB	0	0	440	0.000	0	0.0	0.0	0.000	A
CD-A	560	140			560				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	42	10	363	0.115	42	0.2	0.1	11.243	B
A-B	18	5			18				
A-C	680	170			680				
A-D	0	0			0				
AB-CD	0	0	501	0.000	0	0.0	0.0	0.000	A
AB-C	680	170			680				
D-ABC	0	0	422	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	469	117			469				
C-B	0	0			0				
CD-AB	0	0	473	0.000	0	0.0	0.0	0.000	A
CD-A	469	117			469				

# 2029DM, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.17	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.17	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2029DM	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	739	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	34	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	628	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
	A - A1067 Fakenham Road (N)	0	57	682	0
	B - Old Fakenham Road Slip Road	34	0	0	0
	C - A1067 Fakenham Road (S)	628	0	0	0
	D - Access Road	0	0	0	0

### Proportions

From		To
		A - A1067 Fakenham Road (N)
	A - A1067 Fakenham Road (N)	0.00
	B - Old Fakenham Road Slip Road	1.00
	C - A1067 Fakenham Road (S)	1.00
	D - Access Road	0.25

## Vehicle Mix

### Heavy Vehicle Percentages

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
	A - A1067 Fakenham Road (N)	0	0	1	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

From		To	
		A - A1067 Fakenham Road (N)	F F
	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.002	
	C - A1067 Fakenham Road (S)	1.019	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	558	559
	17:00-17:15	684	688
	17:15-17:30	813	818
	17:30-17:45	813	818
	17:45-18:00	684	688
	18:00-18:15	558	559
B - Old Fakenham Road Slip Road	16:45-17:00	25	25
	17:00-17:15	30	30
	17:15-17:30	37	37
	17:30-17:45	37	37
	17:45-18:00	30	30
	18:00-18:15	25	25
C - A1067 Fakenham Road (S)	16:45-17:00	473	482
	17:00-17:15	565	575
	17:15-17:30	692	705
	17:30-17:45	692	705
	17:45-18:00	565	575
	18:00-18:15	473	482
D - Access Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0



## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.13	14.11	0.1	B	31	47
A-B					52	79
A-C					629	944
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					629	944
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					587	881
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					587	881

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	8	406	0.063	25	0.0	0.1	9.459	A
A-B	43	11			43				
A-C	516	129			516				
A-D	0	0			0				
AB-CD	0	0	498	0.000	0	0.0	0.0	0.000	A
AB-C	516	129			516				
D-ABC	0	0	439	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	482	120			482				
C-B	0	0			0				
CD-AB	0	0	507	0.000	0	0.0	0.0	0.000	A
CD-A	482	120			482				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	30	8	359	0.085	30	0.1	0.1	10.981	B
A-B	51	13			51				
A-C	616	154			616				
A-D	0	0			0				
AB-CD	0	0	476	0.000	0	0.0	0.0	0.000	A
AB-C	616	154			616				
D-ABC	0	0	401	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	575	144			575				
C-B	0	0			0				
CD-AB	0	0	481	0.000	0	0.0	0.0	0.000	A
CD-A	575	144			575				

**17:15 - 17:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	37	9	293	0.127	37	0.1	0.1	14.088	B
A-B	63	16			63				
A-C	755	189			755				
A-D	0	0			0				
AB-CD	0	0	447	0.000	0	0.0	0.0	0.000	A
AB-C	755	189			755				
D-ABC	0	0	347	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	705	176			705				
C-B	0	0			0				
CD-AB	0	0	444	0.000	0	0.0	0.0	0.000	A
CD-A	705	176			705				

**17:30 - 17:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	37	9	293	0.127	37	0.1	0.1	14.108	B
A-B	63	16			63				
A-C	755	189			755				
A-D	0	0			0				
AB-CD	0	0	447	0.000	0	0.0	0.0	0.000	A
AB-C	755	189			755				
D-ABC	0	0	347	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	705	176			705				
C-B	0	0			0				
CD-AB	0	0	444	0.000	0	0.0	0.0	0.000	A
CD-A	705	176			705				

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	30	8	359	0.085	31	0.1	0.1	11.003	B
A-B	51	13			51				
A-C	616	154			616				
A-D	0	0			0				
AB-CD	0	0	476	0.000	0	0.0	0.0	0.000	A
AB-C	616	154			616				
D-ABC	0	0	401	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	575	144			575				
C-B	0	0			0				
CD-AB	0	0	481	0.000	0	0.0	0.0	0.000	A
CD-A	575	144			575				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	6	406	0.063	28	0.1	0.1	9.477	A
A-B	43	11			43				
A-C	516	129			516				
A-D	0	0			0				
AB-CD	0	0	498	0.000	0	0.0	0.0	0.000	A
AB-C	516	129			516				
D-ABC	0	0	439	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	482	120			482				
C-B	0	0			0				
CD-AB	0	0	507	0.000	0	0.0	0.0	0.000	A
CD-A	482	120			482				

# 2029DS, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.08	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.08	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2029DS	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	644	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	16	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	469	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
	A - A1067 Fakenham Road (N)	0	9	635	0
	B - Old Fakenham Road Slip Road	16	0	0	0
	C - A1067 Fakenham Road (S)	469	0	0	0
	D - Access Road	0	0	0	0

### Proportions

From		To	
		A - A1067 Fakenham Road (N)	F
	A - A1067 Fakenham Road (N)	0.00	
	B - Old Fakenham Road Slip Road	1.00	
	C - A1067 Fakenham Road (S)	1.00	
	D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	1	4	0
	B - Old Fakenham Road Slip Road	1	0	0	0
	C - A1067 Fakenham Road (S)	3	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.005	
	C - A1067 Fakenham Road (S)	1.032	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	485	506
	07:30-07:45	579	604
	07:45-08:00	709	739
	08:00-08:15	709	739
	08:15-08:30	579	604
	08:30-08:45	485	506
B - Old Fakenham Road Slip Road	07:15-07:30	12	12
	07:30-07:45	15	15
	07:45-08:00	18	18
	08:00-08:15	18	18
	08:15-08:30	15	15
	08:30-08:45	12	12
C - A1067 Fakenham Road (S)	07:15-07:30	353	364
	07:30-07:45	421	435
	07:45-08:00	516	533
	08:00-08:15	516	533
	08:15-08:30	421	435
	08:30-08:45	353	364
D - Access Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.05	11.31	0.1	B	15	23
A-B					8	12
A-C					608	912
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					608	912
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					444	666
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					444	666

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	3	437	0.028	12	0.0	0.0	8.515	A
A-B	7	2			7				
A-C	499	125			499				
A-D	0	0			0				
AB-CD	0	0	525	0.000	0	0.0	0.0	0.000	A
AB-C	499	125			499				
D-ABC	0	0	473	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	364	91			364				
C-B	0	0			0				
CD-AB	0	0	520	0.000	0	0.0	0.0	0.000	A
CD-A	364	91			364				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	4	396	0.037	15	0.0	0.0	9.500	A
A-B	8	2			8				
A-C	596	149			596				
A-D	0	0			0				
AB-CD	0	0	509	0.000	0	0.0	0.0	0.000	A
AB-C	596	149			596				
D-ABC	0	0	442	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	435	109			435				
C-B	0	0			0				
CD-AB	0	0	496	0.000	0	0.0	0.0	0.000	A
CD-A	435	109			435				

**07:45 - 08:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	5	338	0.054	18	0.0	0.1	11.301	B
A-B	10	2			10				
A-C	729	182			729				
A-D	0	0			0				
AB-CD	0	0	486	0.000	0	0.0	0.0	0.000	A
AB-C	729	182			729				
D-ABC	0	0	398	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	533	133			533				
C-B	0	0			0				
CD-AB	0	0	483	0.000	0	0.0	0.0	0.000	A
CD-A	533	133			533				

**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-ACD	18	5	338	0.054	18	0.1	0.1	11.308	B
A-B	10	2			10				
A-C	729	182			729				
A-D	0	0			0				
AB-CD	0	0	486	0.000	0	0.0	0.0	0.000	A
AB-C	729	182			729				
D-ABC	0	0	398	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	533	133			533				
C-B	0	0			0				
CD-AB	0	0	483	0.000	0	0.0	0.0	0.000	A
CD-A	533	133			533				

**08:15 - 08:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	4	396	0.037	15	0.1	0.0	9.505	A
A-B	8	2			8				
A-C	596	149			596				
A-D	0	0			0				
AB-CD	0	0	509	0.000	0	0.0	0.0	0.000	A
AB-C	596	149			596				
D-ABC	0	0	442	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	435	109			435				
C-B	0	0			0				
CD-AB	0	0	496	0.000	0	0.0	0.0	0.000	A
CD-A	435	109			435				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	3	437	0.028	12	0.0	0.0	8.522	A
A-B	7	2			7				
A-C	499	125			499				
A-D	0	0			0				
AB-CD	0	0	525	0.000	0	0.0	0.0	0.000	A
AB-C	499	125			499				
D-ABC	0	0	473	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	384	91			384				
C-B	0	0			0				
CD-AB	0	0	520	0.000	0	0.0	0.0	0.000	A
CD-A	384	91			384				



# 2029DS, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.04	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.04	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2029DS	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	524	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	8	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	544	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
	A - A1067 Fakenham Road (N)	0	14	510	0
	B - Old Fakenham Road Slip Road	8	0	0	0
	C - A1067 Fakenham Road (S)	544	0	0	0
	D - Access Road	0	0	0	0

### Proportions

From		To	
		A - A1067 Fakenham Road (N)	F
	A - A1067 Fakenham Road (N)	0.00	
	B - Old Fakenham Road Slip Road	1.00	
	C - A1067 Fakenham Road (S)	1.00	
	D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	0	1	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.000	
	C - A1067 Fakenham Road (S)	1.020	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	394	397
	17:00-17:15	471	474
	17:15-17:30	577	581
	17:30-17:45	577	581
	17:45-18:00	471	474
	18:00-18:15	394	397
B - Old Fakenham Road Slip Road	16:45-17:00	6	6
	17:00-17:15	7	7
	17:15-17:30	9	9
	17:30-17:45	9	9
	17:45-18:00	7	7
	18:00-18:15	6	6
C - A1067 Fakenham Road (S)	16:45-17:00	410	418
	17:00-17:15	489	499
	17:15-17:30	599	611
	17:30-17:45	599	611
	17:45-18:00	489	499
	18:00-18:15	410	418
D - Access Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.02	9.93	0.0	A	7	11
A-B					13	19
A-C					471	707
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					471	707
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					509	764
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					509	764

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	1	460	0.013	8	0.0	0.0	7.932	A
A-B	10	3			10				
A-C	387	97			387				
A-D	0	0			0				
AB-CD	0	0	513	0.000	0	0.0	0.0	0.000	A
AB-C	387	97			387				
D-ABC	0	0	472	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	418	104			418				
C-B	0	0			0				
CD-AB	0	0	547	0.000	0	0.0	0.0	0.000	A
CD-A	418	104			418				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	7	2	422	0.017	7	0.0	0.0	8.665	A
A-B	12	3			12				
A-C	462	115			462				
A-D	0	0			0				
AB-CD	0	0	494	0.000	0	0.0	0.0	0.000	A
AB-C	462	115			462				
D-ABC	0	0	441	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	499	125			499				
C-B	0	0			0				
CD-AB	0	0	528	0.000	0	0.0	0.0	0.000	A
CD-A	499	125			499				

**17:15 - 17:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	9	2	371	0.023	9	0.0	0.0	9.932	A
A-B	15	4			15				
A-C	566	141			566				
A-D	0	0			0				
AB-CD	0	0	468	0.000	0	0.0	0.0	0.000	A
AB-C	566	141			566				
D-ABC	0	0	398	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	611	153			611				
C-B	0	0			0				
CD-AB	0	0	502	0.000	0	0.0	0.0	0.000	A
CD-A	611	153			611				

**17:30 - 17:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	9	2	371	0.023	9	0.0	0.0	9.932	A
A-B	15	4			15				
A-C	566	141			566				
A-D	0	0			0				
AB-CD	0	0	468	0.000	0	0.0	0.0	0.000	A
AB-C	566	141			566				
D-ABC	0	0	398	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	611	153			611				
C-B	0	0			0				
CD-AB	0	0	502	0.000	0	0.0	0.0	0.000	A
CD-A	611	153			611				

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	7	2	422	0.017	7	0.0	0.0	8.668	A
A-B	12	3			12				
A-C	462	115			462				
A-D	0	0			0				
AB-CD	0	0	494	0.000	0	0.0	0.0	0.000	A
AB-C	462	115			462				
D-ABC	0	0	441	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	499	125			499				
C-B	0	0			0				
CD-AB	0	0	528	0.000	0	0.0	0.0	0.000	A
CD-A	499	125			499				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	1	460	0.013	6	0.0	0.0	7.934	A
A-B	10	3			10				
A-C	387	97			387				
A-D	0	0			0				
AB-CD	0	0	513	0.000	0	0.0	0.0	0.000	A
AB-C	387	97			387				
D-ABC	0	0	472	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	418	104			418				
C-B	0	0			0				
CD-AB	0	0	547	0.000	0	0.0	0.0	0.000	A
CD-A	418	104			418				

# 2029DS\_Mitigation, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.00	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.00	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2029DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	645	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	5	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	479	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To			
	A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
A - A1067 Fakenham Road (N)	0	6	639	0
B - Old Fakenham Road Slip Road	5	0	0	0
C - A1067 Fakenham Road (S)	479	0	0	0
D - Access Road	0	0	0	0

### Proportions

From	To	
	A - A1067 Fakenham Road (N)	F
A - A1067 Fakenham Road (N)	0.00	
B - Old Fakenham Road Slip Road	1.00	
C - A1067 Fakenham Road (S)	1.00	
D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	0	4	0
	B - Old Fakenham Road Slip Road	2	0	0	0
	C - A1067 Fakenham Road (S)	3	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.019	
	C - A1067 Fakenham Road (S)	1.031	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	485	508
	07:30-07:45	579	604
	07:45-08:00	710	740
	08:00-08:15	710	740
	08:15-08:30	579	604
	08:30-08:45	485	508
B - Old Fakenham Road Slip Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0
C - A1067 Fakenham Road (S)	07:15-07:30	361	372
	07:30-07:45	431	444
	07:45-08:00	528	544
	08:00-08:15	528	544
	08:15-08:30	431	444
	08:30-08:45	361	372
D - Access Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.00	0.00	0.0	A	0	0
A-B					5	8
A-C					611	917
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					611	917
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					454	680
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					454	680

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	531	0.000	0	0.0	0.0	0.000	A
A-B	4	1			4				
A-C	501	125			501				
A-D	0	0			0				
AB-CD	0	0	523	0.000	0	0.0	0.0	0.000	A
AB-C	501	125			501				
D-ABC	0	0	471	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	372	93			372				
C-B	0	0			0				
CD-AB	0	0	520	0.000	0	0.0	0.0	0.000	A
CD-A	372	93			372				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	490	0.000	0	0.0	0.0	0.000	A
A-B	5	1			5				
A-C	599	150			599				
A-D	0	0			0				
AB-CD	0	0	507	0.000	0	0.0	0.0	0.000	A
AB-C	599	150			599				
D-ABC	0	0	439	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	444	111			444				
C-B	0	0			0				
CD-AB	0	0	496	0.000	0	0.0	0.0	0.000	A
CD-A	444	111			444				



07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	432	0.000	0	0.0	0.0	0.000	A
A-B	8	2			8				
A-C	733	183			733				
A-D	0	0			0				
AB-CD	0	0	484	0.000	0	0.0	0.0	0.000	A
AB-C	733	183			733				
D-ABC	0	0	395	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	544	136			544				
C-B	0	0			0				
CD-AB	0	0	463	0.000	0	0.0	0.0	0.000	A
CD-A	544	136			544				

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-ACD	0	0	432	0.000	0	0.0	0.0	0.000	A
A-B	8	2			8				
A-C	733	183			733				
A-D	0	0			0				
AB-CD	0	0	484	0.000	0	0.0	0.0	0.000	A
AB-C	733	183			733				
D-ABC	0	0	395	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	544	136			544				
C-B	0	0			0				
CD-AB	0	0	463	0.000	0	0.0	0.0	0.000	A
CD-A	544	136			544				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	490	0.000	0	0.0	0.0	0.000	A
A-B	5	1			5				
A-C	599	150			599				
A-D	0	0			0				
AB-CD	0	0	507	0.000	0	0.0	0.0	0.000	A
AB-C	599	150			599				
D-ABC	0	0	439	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	444	111			444				
C-B	0	0			0				
CD-AB	0	0	496	0.000	0	0.0	0.0	0.000	A
CD-A	444	111			444				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	531	0.000	0	0.0	0.0	0.000	A
A-B	4	1			4				
A-C	501	125			501				
A-D	0	0			0				
AB-CD	0	0	523	0.000	0	0.0	0.0	0.000	A
AB-C	501	125			501				
D-ABC	0	0	471	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	372	93			372				
C-B	0	0			0				
CD-AB	0	0	520	0.000	0	0.0	0.0	0.000	A
CD-A	372	93			372				

# 2029DS\_Mitigation, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.03	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.03	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2029DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	519	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	6	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	542	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To			
	A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
A - A1067 Fakenham Road (N)	0	3	516	0
B - Old Fakenham Road Slip Road	6	0	0	0
C - A1067 Fakenham Road (S)	542	0	0	0
D - Access Road	0	0	0	0

### Proportions

From	To	
	A - A1067 Fakenham Road (N)	F
A - A1067 Fakenham Road (N)	0.00	
B - Old Fakenham Road Slip Road	1.00	
C - A1067 Fakenham Road (S)	1.00	
D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	0	1	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.000	
	C - A1067 Fakenham Road (S)	1.020	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	391	394
	17:00-17:15	467	470
	17:15-17:30	571	578
	17:30-17:45	571	578
	17:45-18:00	467	470
	18:00-18:15	391	394
B - Old Fakenham Road Slip Road	16:45-17:00	4	4
	17:00-17:15	5	5
	17:15-17:30	6	6
	17:30-17:45	6	6
	17:45-18:00	5	5
	18:00-18:15	4	4
C - A1067 Fakenham Road (S)	16:45-17:00	408	416
	17:00-17:15	487	497
	17:15-17:30	597	608
	17:30-17:45	597	608
	17:45-18:00	487	497
	18:00-18:15	408	416
D - Access Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.02	9.87	0.0	A	5	8
A-B					3	5
A-C					477	715
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					477	715
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					507	761
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					507	761

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	4	1	460	0.009	4	0.0	0.0	7.907	A
A-B	3	0.64			3				
A-C	391	98			391				
A-D	0	0			0				
AB-CD	0	0	513	0.000	0	0.0	0.0	0.000	A
AB-C	391	98			391				
D-ABC	0	0	472	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	416	104			416				
C-B	0	0			0				
CD-AB	0	0	548	0.000	0	0.0	0.0	0.000	A
CD-A	416	104			416				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	1	422	0.012	5	0.0	0.0	8.627	A
A-B	3	0.76			3				
A-C	467	117			467				
A-D	0	0			0				
AB-CD	0	0	495	0.000	0	0.0	0.0	0.000	A
AB-C	467	117			467				
D-ABC	0	0	441	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	497	124			497				
C-B	0	0			0				
CD-AB	0	0	529	0.000	0	0.0	0.0	0.000	A
CD-A	497	124			497				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	2	371	0.017	6	0.0	0.0	9.870	A
A-B	4	0.93			4				
A-C	572	143			572				
A-D	0	0			0				
AB-CD	0	0	469	0.000	0	0.0	0.0	0.000	A
AB-C	572	143			572				
D-ABC	0	0	398	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	608	152			608				
C-B	0	0			0				
CD-AB	0	0	503	0.000	0	0.0	0.0	0.000	A
CD-A	608	152			608				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	2	371	0.017	6	0.0	0.0	9.870	A
A-B	4	0.93			4				
A-C	572	143			572				
A-D	0	0			0				
AB-CD	0	0	469	0.000	0	0.0	0.0	0.000	A
AB-C	572	143			572				
D-ABC	0	0	398	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	608	152			608				
C-B	0	0			0				
CD-AB	0	0	503	0.000	0	0.0	0.0	0.000	A
CD-A	608	152			608				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	1	422	0.012	5	0.0	0.0	8.628	A
A-B	3	0.76			3				
A-C	467	117			467				
A-D	0	0			0				
AB-CD	0	0	495	0.000	0	0.0	0.0	0.000	A
AB-C	467	117			467				
D-ABC	0	0	441	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	497	124			497				
C-B	0	0			0				
CD-AB	0	0	529	0.000	0	0.0	0.0	0.000	A
CD-A	497	124			497				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	4	1	480	0.009	4	0.0	0.0	7.909	A
A-B	3	0.64			3				
A-C	391	98			391				
A-D	0	0			0				
AB-CD	0	0	513	0.000	0	0.0	0.0	0.000	A
AB-C	391	98			391				
D-ABC	0	0	472	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	416	104			416				
C-B	0	0			0				
CD-AB	0	0	548	0.000	0	0.0	0.0	0.000	A
CD-A	416	104			416				

# 2039DM, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.78	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.78	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2039DM	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	1042	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	73	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	647	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To			
	A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
A - A1067 Fakenham Road (N)	0	26	1016	0
B - Old Fakenham Road Slip Road	73	0	0	0
C - A1067 Fakenham Road (S)	647	0	0	0
D - Access Road	0	0	0	0

### Proportions

From	To	
	A - A1067 Fakenham Road (N)	F
A - A1067 Fakenham Road (N)	0.00	
B - Old Fakenham Road Slip Road	1.00	
C - A1067 Fakenham Road (S)	1.00	
D - Access Road	0.25	

## Vehicle Mix



### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	1	3	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	3	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.003	
	C - A1067 Fakenham Road (S)	1.028	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	784	807
	07:30-07:45	937	964
	07:45-08:00	1147	1181
	08:00-08:15	1147	1181
	08:15-08:30	937	964
	08:30-08:45	784	807
B - Old Fakenham Road Slip Road	07:15-07:30	55	55
	07:30-07:45	65	65
	07:45-08:00	80	80
	08:00-08:15	80	80
	08:15-08:30	65	65
	08:30-08:45	55	55
C - A1067 Fakenham Road (S)	07:15-07:30	487	500
	07:30-07:45	581	598
	07:45-08:00	712	732
	08:00-08:15	712	732
	08:15-08:30	581	598
	08:30-08:45	487	500
D - Access Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.46	37.69	0.8	E	67	100
A-B					24	36
A-C					960	1440
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					960	1440
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					610	915
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					610	915

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	55	14	326	0.168	54	0.0	0.2	13.237	B
A-B	20	5			20				
A-C	788	197			788				
A-D	0	0			0				
AB-CD	0	0	494	0.000	0	0.0	0.0	0.000	A
AB-C	788	197			788				
D-ABC	0	0	400	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	500	125			500				
C-B	0	0			0				
CD-AB	0	0	447	0.000	0	0.0	0.0	0.000	A
CD-A	500	125			500				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	65	16	283	0.249	65	0.2	0.3	18.195	C
A-B	23	6			23				
A-C	941	235			941				
A-D	0	0			0				
AB-CD	0	0	471	0.000	0	0.0	0.0	0.000	A
AB-C	941	235			941				
D-ABC	0	0	351	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	598	149			598				
C-B	0	0			0				
CD-AB	0	0	409	0.000	0	0.0	0.0	0.000	A
CD-A	598	149			598				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	80	20	176	0.457	78	0.3	0.8	36.464	E
A-B	29	7			29				
A-C	1152	288			1152				
A-D	0	0			0				
AB-CD	0	0	440	0.000	0	0.0	0.0	0.000	A
AB-C	1152	288			1152				
D-ABC	0	0	278	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	732	183			732				
C-B	0	0			0				
CD-AB	0	0	356	0.000	0	0.0	0.0	0.000	A
CD-A	732	183			732				

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-ACD	80	20	176	0.457	80	0.8	0.8	37.687	E
A-B	29	7			29				
A-C	1152	288			1152				
A-D	0	0			0				
AB-CD	0	0	440	0.000	0	0.0	0.0	0.000	A
AB-C	1152	288			1152				
D-ABC	0	0	278	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	732	183			732				
C-B	0	0			0				
CD-AB	0	0	356	0.000	0	0.0	0.0	0.000	A
CD-A	732	183			732				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	65	16	263	0.249	67	0.8	0.3	18.632	C
A-B	23	6			23				
A-C	941	235			941				
A-D	0	0			0				
AB-CD	0	0	471	0.000	0	0.0	0.0	0.000	A
AB-C	941	235			941				
D-ABC	0	0	351	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	598	149			598				
C-B	0	0			0				
CD-AB	0	0	409	0.000	0	0.0	0.0	0.000	A
CD-A	598	149			598				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	55	14	326	0.168	55	0.3	0.2	13.365	B
A-B	20	5			20				
A-C	788	197			788				
A-D	0	0			0				
AB-CD	0	0	494	0.000	0	0.0	0.0	0.000	A
AB-C	788	197			788				
D-ABC	0	0	400	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	500	125			500				
C-B	0	0			0				
CD-AB	0	0	447	0.000	0	0.0	0.0	0.000	A
CD-A	500	125			500				

# 2039DM, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.18	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.18	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2039DM	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	814	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	33	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	688	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
	A - A1067 Fakenham Road (N)	0	54	760	0
	B - Old Fakenham Road Slip Road	33	0	0	0
	C - A1067 Fakenham Road (S)	688	0	0	0
	D - Access Road	0	0	0	0

### Proportions

From		To	
		A - A1067 Fakenham Road (N)	F
	A - A1067 Fakenham Road (N)	0.00	
	B - Old Fakenham Road Slip Road	1.00	
	C - A1067 Fakenham Road (S)	1.00	
	D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	0	1	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.002	
	C - A1067 Fakenham Road (S)	1.020	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	613	616
	17:00-17:15	732	736
	17:15-17:30	896	901
	17:30-17:45	896	901
	17:45-18:00	732	736
	18:00-18:15	613	616
B - Old Fakenham Road Slip Road	16:45-17:00	24	25
	17:00-17:15	29	29
	17:15-17:30	36	36
	17:30-17:45	36	36
	17:45-18:00	29	29
	18:00-18:15	24	25
C - A1067 Fakenham Road (S)	16:45-17:00	518	528
	17:00-17:15	618	630
	17:15-17:30	757	772
	17:30-17:45	757	772
	17:45-18:00	618	630
	18:00-18:15	518	528
D - Access Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.14	16.42	0.2	C	30	45
A-B					50	74
A-C					702	1052
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					702	1052
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					644	965
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					644	965

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	8	381	0.064	24	0.0	0.1	10.115	B
A-B	41	10			41				
A-C	576	144			576				
A-D	0	0			0				
AB-CD	0	0	487	0.000	0	0.0	0.0	0.000	A
AB-C	576	144			576				
D-ABC	0	0	419	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	528	132			528				
C-B	0	0			0				
CD-AB	0	0	493	0.000	0	0.0	0.0	0.000	A
CD-A	528	132			528				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	29	7	328	0.089	29	0.1	0.1	12.058	B
A-B	49	12			49				
A-C	687	172			687				
A-D	0	0			0				
AB-CD	0	0	464	0.000	0	0.0	0.0	0.000	A
AB-C	687	172			687				
D-ABC	0	0	377	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	630	158			630				
C-B	0	0			0				
CD-AB	0	0	464	0.000	0	0.0	0.0	0.000	A
CD-A	630	158			630				

**17:15 - 17:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	36	9	255	0.140	36	0.1	0.2	16.394	C
A-B	60	15			60				
A-C	842	210			842				
A-D	0	0			0				
AB-CD	0	0	431	0.000	0	0.0	0.0	0.000	A
AB-C	842	210			842				
D-ABC	0	0	315	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	772	193			772				
C-B	0	0			0				
CD-AB	0	0	424	0.000	0	0.0	0.0	0.000	A
CD-A	772	193			772				

**17:30 - 17:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	36	9	255	0.140	36	0.2	0.2	16.424	C
A-B	60	15			60				
A-C	842	210			842				
A-D	0	0			0				
AB-CD	0	0	431	0.000	0	0.0	0.0	0.000	A
AB-C	842	210			842				
D-ABC	0	0	315	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	772	193			772				
C-B	0	0			0				
CD-AB	0	0	424	0.000	0	0.0	0.0	0.000	A
CD-A	772	193			772				

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	29	7	328	0.089	30	0.2	0.1	12.091	B
A-B	49	12			49				
A-C	687	172			687				
A-D	0	0			0				
AB-CD	0	0	464	0.000	0	0.0	0.0	0.000	A
AB-C	687	172			687				
D-ABC	0	0	377	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	630	158			630				
C-B	0	0			0				
CD-AB	0	0	464	0.000	0	0.0	0.0	0.000	A
CD-A	630	158			630				



18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	8	381	0.064	25	0.1	0.1	10.137	B
A-B	41	10			41				
A-C	576	144			576				
A-D	0	0			0				
AB-CD	0	0	487	0.000	0	0.0	0.0	0.000	A
AB-C	576	144			576				
D-ABC	0	0	419	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	528	132			528				
C-B	0	0			0				
CD-AB	0	0	493	0.000	0	0.0	0.0	0.000	A
CD-A	528	132			528				

# 2039DS, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.08	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2039DS	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	646	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	16	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	491	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To			
	A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
A - A1067 Fakenham Road (N)	0	8	637	0
B - Old Fakenham Road Slip Road	16	0	0	0
C - A1067 Fakenham Road (S)	491	0	0	0
D - Access Road	0	0	0	0

### Proportions

From	To	
	A - A1067 Fakenham Road (N)	F
A - A1067 Fakenham Road (N)	0.00	
B - Old Fakenham Road Slip Road	1.00	
C - A1067 Fakenham Road (S)	1.00	
D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	1	2	0
	B - Old Fakenham Road Slip Road	1	0	0	0
	C - A1067 Fakenham Road (S)	3	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.005	
	C - A1067 Fakenham Road (S)	1.030	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	488	498
	07:30-07:45	580	594
	07:45-08:00	711	728
	08:00-08:15	711	728
	08:15-08:30	580	594
	08:30-08:45	488	498
B - Old Fakenham Road Slip Road	07:15-07:30	12	12
	07:30-07:45	15	15
	07:45-08:00	18	18
	08:00-08:15	18	18
	08:15-08:30	15	15
	08:30-08:45	12	12
C - A1067 Fakenham Road (S)	07:15-07:30	370	381
	07:30-07:45	442	455
	07:45-08:00	541	557
	08:00-08:15	541	557
	08:15-08:30	442	455
	08:30-08:45	370	381
D - Access Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.05	11.34	0.1	B	15	22
A-B					8	11
A-C					599	899
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					599	899
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					464	696
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					464	696

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	3	436	0.028	12	0.0	0.0	8.530	A
A-B	8	2			8				
A-C	491	123			491				
A-D	0	0			0				
AB-CD	0	0	521	0.000	0	0.0	0.0	0.000	A
AB-C	491	123			491				
D-ABC	0	0	469	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	381	95			381				
C-B	0	0			0				
CD-AB	0	0	522	0.000	0	0.0	0.0	0.000	A
CD-A	381	95			381				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	4	395	0.037	15	0.0	0.0	9.521	A
A-B	7	2			7				
A-C	587	147			587				
A-D	0	0			0				
AB-CD	0	0	504	0.000	0	0.0	0.0	0.000	A
AB-C	587	147			587				
D-ABC	0	0	438	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	455	114			455				
C-B	0	0			0				
CD-AB	0	0	499	0.000	0	0.0	0.0	0.000	A
CD-A	455	114			455				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	4	337	0.053	18	0.0	0.1	11.338	B
A-B	9	2			9				
A-C	719	180			719				
A-D	0	0			0				
AB-CD	0	0	481	0.000	0	0.0	0.0	0.000	A
AB-C	719	180			719				
D-ABC	0	0	393	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	557	139			557				
C-B	0	0			0				
CD-AB	0	0	466	0.000	0	0.0	0.0	0.000	A
CD-A	557	139			557				

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-ACD	18	4	337	0.053	18	0.1	0.1	11.343	B
A-B	9	2			9				
A-C	719	180			719				
A-D	0	0			0				
AB-CD	0	0	481	0.000	0	0.0	0.0	0.000	A
AB-C	719	180			719				
D-ABC	0	0	393	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	557	139			557				
C-B	0	0			0				
CD-AB	0	0	466	0.000	0	0.0	0.0	0.000	A
CD-A	557	139			557				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	4	395	0.037	15	0.1	0.0	9.528	A
A-B	7	2			7				
A-C	587	147			587				
A-D	0	0			0				
AB-CD	0	0	504	0.000	0	0.0	0.0	0.000	A
AB-C	587	147			587				
D-ABC	0	0	438	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	455	114			455				
C-B	0	0			0				
CD-AB	0	0	499	0.000	0	0.0	0.0	0.000	A
CD-A	455	114			455				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	3	436	0.028	12	0.0	0.0	8.536	A
A-B	6	2			6				
A-C	491	123			491				
A-D	0	0			0				
AB-CD	0	0	521	0.000	0	0.0	0.0	0.000	A
AB-C	491	123			491				
D-ABC	0	0	469	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	381	95			381				
C-B	0	0			0				
CD-AB	0	0	522	0.000	0	0.0	0.0	0.000	A
CD-A	381	95			381				

# 2039DS, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.03	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.03	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2039DS	PM	ONE HOUR	18:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	578	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	7	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	549	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To			
	A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
A - A1067 Fakenham Road (N)	0	13	564	0
B - Old Fakenham Road Slip Road	7	0	0	0
C - A1067 Fakenham Road (S)	549	0	0	0
D - Access Road	0	0	0	0

### Proportions

From	To	
	A - A1067 Fakenham Road (N)	F
A - A1067 Fakenham Road (N)	0.00	
B - Old Fakenham Road Slip Road	1.00	
C - A1067 Fakenham Road (S)	1.00	
D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

From		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
	A - A1067 Fakenham Road (N)	0	0	1	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

From		To	
		A - A1067 Fakenham Road (N)	F
	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.000	
	C - A1067 Fakenham Road (S)	1.022	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	435	438
	17:00-17:15	519	523
	17:15-17:30	638	641
	17:30-17:45	638	641
	17:45-18:00	519	523
	18:00-18:15	435	438
B - Old Fakenham Road Slip Road	16:45-17:00	5	5
	17:00-17:15	6	6
	17:15-17:30	8	8
	17:30-17:45	8	8
	17:45-18:00	6	6
	18:00-18:15	5	5
C - A1067 Fakenham Road (S)	16:45-17:00	413	422
	17:00-17:15	493	504
	17:15-17:30	604	617
	17:30-17:45	604	617
	17:45-18:00	493	504
	18:00-18:15	413	422
D - Access Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0



## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.02	10.45	0.0	B	7	10
A-B					12	18
A-C					522	782
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					522	782
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					515	772
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					515	772

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	1	447	0.012	5	0.0	0.0	8.152	A
A-B	10	3			10				
A-C	428	107			428				
A-D	0	0			0				
AB-CD	0	0	512	0.000	0	0.0	0.0	0.000	A
AB-C	428	107			428				
D-ABC	0	0	466	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	422	106			422				
C-B	0	0			0				
CD-AB	0	0	537	0.000	0	0.0	0.0	0.000	A
CD-A	422	106			422				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	2	407	0.016	6	0.0	0.0	8.982	A
A-B	12	3			12				
A-C	511	128			511				
A-D	0	0			0				
AB-CD	0	0	493	0.000	0	0.0	0.0	0.000	A
AB-C	511	128			511				
D-ABC	0	0	434	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	504	128			504				
C-B	0	0			0				
CD-AB	0	0	516	0.000	0	0.0	0.0	0.000	A
CD-A	504	128			504				

**17:15 - 17:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	2	352	0.022	8	0.0	0.0	10.449	B
A-B	15	4			15				
A-C	626	156			626				
A-D	0	0			0				
AB-CD	0	0	467	0.000	0	0.0	0.0	0.000	A
AB-C	626	156			626				
D-ABC	0	0	389	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	617	154			617				
C-B	0	0			0				
CD-AB	0	0	467	0.000	0	0.0	0.0	0.000	A
CD-A	617	154			617				

**17:30 - 17:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	2	352	0.022	8	0.0	0.0	10.449	B
A-B	15	4			15				
A-C	626	156			626				
A-D	0	0			0				
AB-CD	0	0	467	0.000	0	0.0	0.0	0.000	A
AB-C	626	156			626				
D-ABC	0	0	389	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	617	154			617				
C-B	0	0			0				
CD-AB	0	0	467	0.000	0	0.0	0.0	0.000	A
CD-A	617	154			617				

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	2	407	0.016	8	0.0	0.0	8.985	A
A-B	12	3			12				
A-C	511	128			511				
A-D	0	0			0				
AB-CD	0	0	493	0.000	0	0.0	0.0	0.000	A
AB-C	511	128			511				
D-ABC	0	0	434	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	504	126			504				
C-B	0	0			0				
CD-AB	0	0	516	0.000	0	0.0	0.0	0.000	A
CD-A	504	126			504				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	1	447	0.012	5	0.0	0.0	8.155	A
A-B	10	3			10				
A-C	428	107			428				
A-D	0	0			0				
AB-CD	0	0	512	0.000	0	0.0	0.0	0.000	A
AB-C	428	107			428				
D-ABC	0	0	466	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	422	106			422				
C-B	0	0			0				
CD-AB	0	0	537	0.000	0	0.0	0.0	0.000	A
CD-A	422	106			422				

# 2039DS\_Mitigation, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.00	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.00	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2039DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	680	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	5	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	513	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To			
	A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
A - A1067 Fakenham Road (N)	0	7	673	0
B - Old Fakenham Road Slip Road	5	0	0	0
C - A1067 Fakenham Road (S)	513	0	0	0
D - Access Road	0	0	0	0

### Proportions

From	To	
	A - A1067 Fakenham Road (N)	F
A - A1067 Fakenham Road (N)	0.00	
B - Old Fakenham Road Slip Road	1.00	
C - A1067 Fakenham Road (S)	1.00	
D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	0	4	0
	B - Old Fakenham Road Slip Road	2	0	0	0
	C - A1067 Fakenham Road (S)	3	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.020	
	C - A1067 Fakenham Road (S)	1.029	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	512	533
	07:30-07:45	612	636
	07:45-08:00	749	779
	08:00-08:15	749	779
	08:15-08:30	612	636
	08:30-08:45	512	533
B - Old Fakenham Road Slip Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0
C - A1067 Fakenham Road (S)	07:15-07:30	387	398
	07:30-07:45	462	475
	07:45-08:00	565	582
	08:00-08:15	565	582
	08:15-08:30	462	475
	08:30-08:45	387	398
D - Access Road	07:15-07:30	0	0
	07:30-07:45	0	0
	07:45-08:00	0	0
	08:00-08:15	0	0
	08:15-08:30	0	0
	08:30-08:45	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.00	0.00	0.0	A	0	0
A-B					7	10
A-C					643	964
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					643	964
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					485	727
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					485	727

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	519	0.000	0	0.0	0.0	0.000	A
A-B	5	1			5				
A-C	527	132			527				
A-D	0	0			0				
AB-CD	0	0	517	0.000	0	0.0	0.0	0.000	A
AB-C	527	132			527				
D-ABC	0	0	461	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	398	99			398				
C-B	0	0			0				
CD-AB	0	0	514	0.000	0	0.0	0.0	0.000	A
CD-A	398	99			398				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	475	0.000	0	0.0	0.0	0.000	A
A-B	7	2			7				
A-C	630	157			630				
A-D	0	0			0				
AB-CD	0	0	500	0.000	0	0.0	0.0	0.000	A
AB-C	630	157			630				
D-ABC	0	0	427	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	475	119			475				
C-B	0	0			0				
CD-AB	0	0	488	0.000	0	0.0	0.0	0.000	A
CD-A	475	119			475				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	413	0.000	0	0.0	0.0	0.000	A
A-B	8	2			8				
A-C	771	193			771				
A-D	0	0			0				
AB-CD	0	0	475	0.000	0	0.0	0.0	0.000	A
AB-C	771	193			771				
D-ABC	0	0	379	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	582	145			582				
C-B	0	0			0				
CD-AB	0	0	454	0.000	0	0.0	0.0	0.000	A
CD-A	582	145			582				

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-ACD	0	0	413	0.000	0	0.0	0.0	0.000	A
A-B	8	2			8				
A-C	771	193			771				
A-D	0	0			0				
AB-CD	0	0	475	0.000	0	0.0	0.0	0.000	A
AB-C	771	193			771				
D-ABC	0	0	379	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	582	145			582				
C-B	0	0			0				
CD-AB	0	0	454	0.000	0	0.0	0.0	0.000	A
CD-A	582	145			582				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	475	0.000	0	0.0	0.0	0.000	A
A-B	7	2			7				
A-C	630	157			630				
A-D	0	0			0				
AB-CD	0	0	500	0.000	0	0.0	0.0	0.000	A
AB-C	630	157			630				
D-ABC	0	0	427	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	475	119			475				
C-B	0	0			0				
CD-AB	0	0	488	0.000	0	0.0	0.0	0.000	A
CD-A	475	119			475				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	0	0	519	0.000	0	0.0	0.0	0.000	A
A-B	5	1			5				
A-C	527	132			527				
A-D	0	0			0				
AB-CD	0	0	517	0.000	0	0.0	0.0	0.000	A
AB-C	527	132			527				
D-ABC	0	0	461	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	398	99			398				
C-B	0	0			0				
CD-AB	0	0	514	0.000	0	0.0	0.0	0.000	A
CD-A	398	99			398				



# 2039DS\_Mitigation, 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	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
J27a	A1067 Fakenham Road/ Old Fakenham Road Slip road	Left-Right Stagger	Two-way	Two-way	Two-way	Two-way		0.04	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.04	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2039DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	572	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	8	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	564	100.000
D - Access Road		ONE HOUR	✓	0	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To			
	A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
A - A1067 Fakenham Road (N)	0	3	569	0
B - Old Fakenham Road Slip Road	8	0	0	0
C - A1067 Fakenham Road (S)	564	0	0	0
D - Access Road	0	0	0	0

### Proportions

From	To	
	A - A1067 Fakenham Road (N)	F
A - A1067 Fakenham Road (N)	0.00	
B - Old Fakenham Road Slip Road	1.00	
C - A1067 Fakenham Road (S)	1.00	
D - Access Road	0.25	

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road Slip Road	C - A1067 Fakenham Road (S)	D - Access Road
From	A - A1067 Fakenham Road (N)	0	0	1	0
	B - Old Fakenham Road Slip Road	0	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0	0
	D - Access Road	0	0	0	0

### Average PCU Per Veh

		To	
		A - A1067 Fakenham Road (N)	F
From	A - A1067 Fakenham Road (N)	1.000	
	B - Old Fakenham Road Slip Road	1.000	
	C - A1067 Fakenham Road (S)	1.021	
	D - Access Road	1.000	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	431	434
	17:00-17:15	514	518
	17:15-17:30	630	635
	17:30-17:45	630	635
	17:45-18:00	514	518
	18:00-18:15	431	434
B - Old Fakenham Road Slip Road	16:45-17:00	6	6
	17:00-17:15	7	7
	17:15-17:30	9	9
	17:30-17:45	9	9
	17:45-18:00	7	7
	18:00-18:15	6	6
C - A1067 Fakenham Road (S)	16:45-17:00	425	434
	17:00-17:15	507	518
	17:15-17:30	621	634
	17:30-17:45	621	634
	17:45-18:00	507	518
	18:00-18:15	425	434
D - Access Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-ACD	0.03	10.58	0.0	B	7	11
A-B					3	4
A-C					528	789
A-D					0	0
AB-CD	0.00	0.00	0.0	A	0	0
AB-C					528	789
D-ABC	0.00	0.00	0.0	A	0	0
C-D					0	0
C-A					529	793
C-B					0	0
CD-AB	0.00	0.00	0.0	A	0	0
CD-A					529	793

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	2	444	0.014	8	0.0	0.0	8.208	A
A-B	2	0.59			2				
A-C	432	108			432				
A-D	0	0			0				
AB-CD	0	0	509	0.000	0	0.0	0.0	0.000	A
AB-C	432	108			432				
D-ABC	0	0	462	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	434	108			434				
C-B	0	0			0				
CD-AB	0	0	538	0.000	0	0.0	0.0	0.000	A
CD-A	434	108			434				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	7	2	404	0.018	7	0.0	0.0	9.063	A
A-B	3	0.71			3				
A-C	515	129			515				
A-D	0	0			0				
AB-CD	0	0	490	0.000	0	0.0	0.0	0.000	A
AB-C	515	129			515				
D-ABC	0	0	430	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	518	130			518				
C-B	0	0			0				
CD-AB	0	0	517	0.000	0	0.0	0.0	0.000	A
CD-A	518	130			518				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	9	2	349	0.025	9	0.0	0.0	10.584	B
A-B	3	0.86			3				
A-C	631	158			631				
A-D	0	0			0				
AB-CD	0	0	463	0.000	0	0.0	0.0	0.000	A
AB-C	631	158			631				
D-ABC	0	0	383	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	634	159			634				
C-B	0	0			0				
CD-AB	0	0	489	0.000	0	0.0	0.0	0.000	A
CD-A	634	159			634				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	9	2	349	0.025	9	0.0	0.0	10.584	B
A-B	3	0.86			3				
A-C	631	158			631				
A-D	0	0			0				
AB-CD	0	0	463	0.000	0	0.0	0.0	0.000	A
AB-C	631	158			631				
D-ABC	0	0	383	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	634	159			634				
C-B	0	0			0				
CD-AB	0	0	489	0.000	0	0.0	0.0	0.000	A
CD-A	634	159			634				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	7	2	404	0.018	7	0.0	0.0	9.066	A
A-B	3	0.71			3				
A-C	515	129			515				
A-D	0	0			0				
AB-CD	0	0	490	0.000	0	0.0	0.0	0.000	A
AB-C	515	129			515				
D-ABC	0	0	430	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	518	130			518				
C-B	0	0			0				
CD-AB	0	0	517	0.000	0	0.0	0.0	0.000	A
CD-A	518	130			518				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	2	444	0.014	6	0.0	0.0	8.212	A
A-B	2	0.59			2				
A-C	432	108			432				
A-D	0	0			0				
AB-CD	0	0	509	0.000	0	0.0	0.0	0.000	A
AB-C	432	108			432				
D-ABC	0	0	462	0.000	0	0.0	0.0	0.000	A
C-D	0	0			0				
C-A	434	108			434				
C-B	0	0			0				
CD-AB	0	0	538	0.000	0	0.0	0.0	0.000	A
CD-A	434	108			434				



## **J27b - Old Fakenham Road/ Old Fakenham Road Slip road junction**

<b>Junctions 10</b>
<b>PICADY 10 - Priority Intersection Module</b>
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Filename: J27b.j10

Path: \\corp.pbwan.net\NNN\_Projects\70118686-70061370-Norwich Western Link 2019 20\04 Record of Issue\4A Internal WSP Doc Registers\20240129\_Model Reports(wo 2044)\J27\J27b

Report generation date: 29/01/2024 14:54:40

- »2029DM, AM
- »2029DM, PM
- »2029DS, AM
- »2029DS, PM
- »2029DS\_Mitigation, AM
- »2029DS\_Mitigation, PM
- »2039DM, AM
- »2039DM, PM
- »2039DS, AM
- »2039DS, PM
- »2039DS\_Mitigation, AM
- »2039DS\_Mitigation, PM

**Summary of junction performance**

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
<b>2029DM</b>										
Stream B-AC	D1	0.1	7.20	0.05	A	D2	0.1	7.48	0.12	A
Stream C-AB		0.1	6.63	0.11	A		0.1	6.20	0.06	A
<b>2029DS</b>										
Stream B-AC	D3	0.0	7.36	0.02	A	D4	0.0	7.15	0.03	A
Stream C-AB		0.0	5.67	0.04	A		0.0	5.83	0.02	A
<b>2029DS_Mitigation</b>										
Stream B-AC	D5	0.0	6.72	0.01	A	D6	0.0	0.00	0.00	A
Stream C-AB		0.0	5.99	0.01	A		0.0	5.83	0.01	A
<b>2039DM</b>										
Stream B-AC	D7	0.1	7.35	0.05	A	D8	0.1	7.42	0.11	A
Stream C-AB		0.2	6.91	0.14	A		0.1	6.17	0.06	A
<b>2039DS</b>										
Stream B-AC	D9	0.0	7.44	0.02	A	D10	0.0	7.16	0.03	A
Stream C-AB		0.0	5.69	0.04	A		0.0	5.91	0.01	A
<b>2039DS_Mitigation</b>										
Stream B-AC	D11	0.0	6.73	0.01	A	D12	0.0	0.00	0.00	A
Stream C-AB		0.0	6.00	0.01	A		0.0	5.85	0.02	A

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

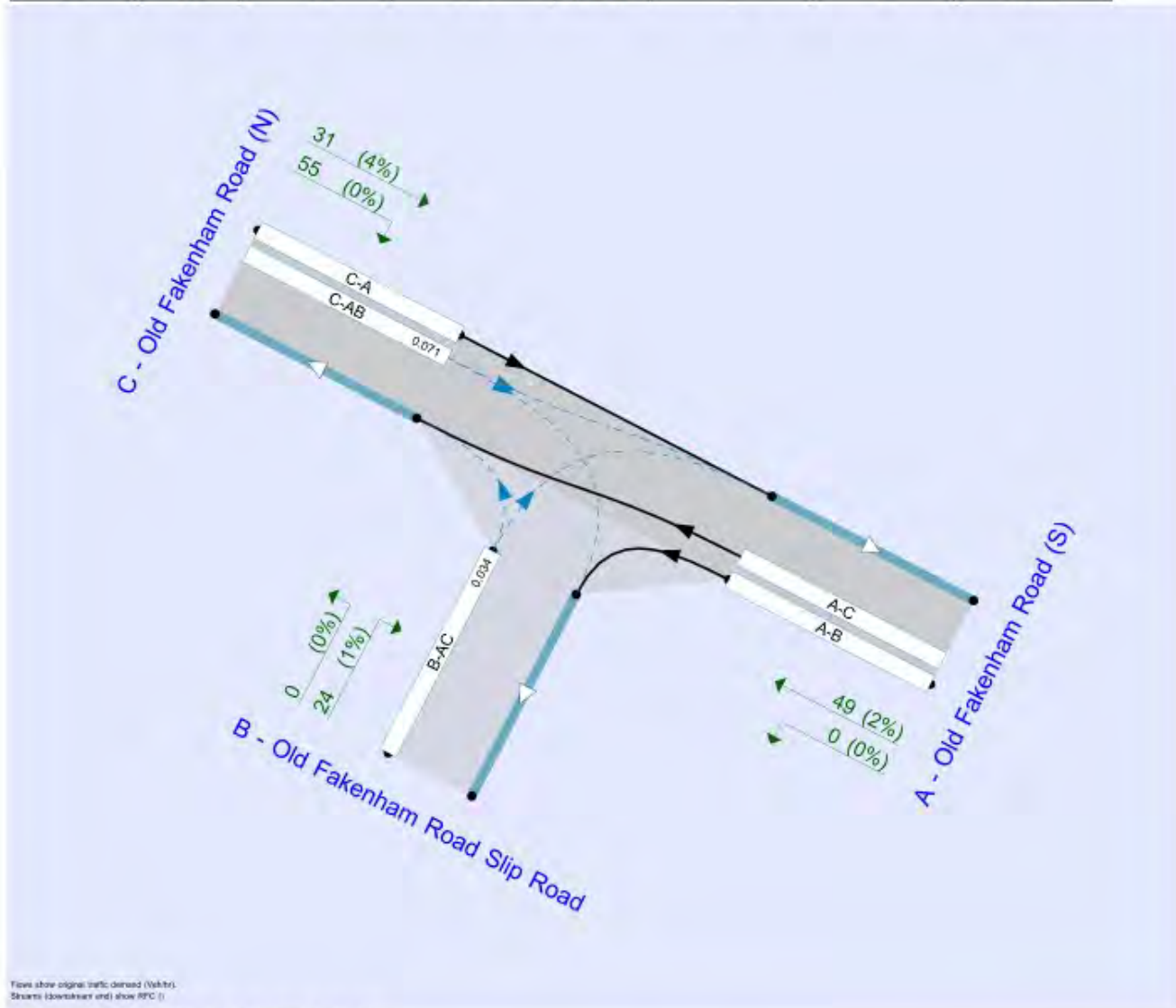
## File summary

### File Description

Title	Old Fakenham Road/ Old Fakenham Road Slip road
Location	52.704837182801384, 1.154995691986539
Site number	J27b
Date	28/04/2023
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	CORP\INAL03507
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	Veh	PCU	perHour	s	-Min	perMin





### 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	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2029DM	AM	ONE HOUR	07:15	08:45	15	✓
D2	2029DM	PM	ONE HOUR	18:45	18:15	15	✓
D3	2029DS	AM	ONE HOUR	07:15	08:45	15	✓
D4	2029DS	PM	ONE HOUR	18:45	18:15	15	✓
D5	2029DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓
D6	2029DS_Mitigation	PM	ONE HOUR	18:45	18:15	15	✓
D7	2039DM	AM	ONE HOUR	07:15	08:45	15	✓
D8	2039DM	PM	ONE HOUR	18:45	18:15	15	✓
D9	2039DS	AM	ONE HOUR	07:15	08:45	15	✓
D10	2039DS	PM	ONE HOUR	18:45	18:15	15	✓
D11	2039DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓
D12	2039DS_Mitigation	PM	ONE HOUR	18:45	18:15	15	✓

### Analysis Set Details

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

# 2029DM, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		3.44	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.44	A

## Arms

### Arms

Arm	Name	Description	Arm type
A	Old Fakenham Road (S)		Major
B	Old Fakenham Road Slip Road		Minor
C	Old Fakenham Road (N)		Major

### Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - Old Fakenham Road (N)	6.79			43.2	✓	0.00

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

### Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B - Old Fakenham Road Slip Road	One lane	4.50	29	21

## Slope / Intercept / Capacity

### Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	572	0.101	0.254	0.160	0.363
B-C	733	0.108	0.274	-	-
C-B	599	0.224	0.224	-	-

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.

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2029DM	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	49	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	24	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	87	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	49
B - Old Fakenham Road Slip Road	24	0	0
C - Old Fakenham Road (N)	31	55	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.36	0.84

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	2
B - Old Fakenham Road Slip Road	1	0	0
C - Old Fakenham Road (N)	4	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.006	1.000
C - Old Fakenham Road (N)	1.044	1.003

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	07:15-07:30	37	38
	07:30-07:45	44	45
	07:45-08:00	54	58
	08:00-08:15	54	58
	08:15-08:30	44	45
	08:30-08:45	37	38
B - Old Fakenham Road Slip Road	07:15-07:30	18	18
	07:30-07:45	22	22
	07:45-08:00	27	27
	08:00-08:15	27	27
	08:15-08:30	22	22
	08:30-08:45	18	18
C - Old Fakenham Road (N)	07:15-07:30	65	66
	07:30-07:45	78	79
	07:45-08:00	95	97
	08:00-08:15	95	97
	08:15-08:30	78	79
	08:30-08:45	65	66

## 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	0.05	7.20	0.1	A	22	34
C-AB	0.11	6.63	0.1	A	53	80
C-A					27	41
A-B					0	0
A-C					45	70

### Main Results for each time segment

#### 07:15 - 07:30

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	18	5	543	0.034	18	0.0	0.0	6.901	A
C-AB	43	11	607	0.071	43	0.0	0.1	6.412	A
C-A	23	6			23				
A-B	0	0			0				
A-C	38	10			38				

#### 07:30 - 07:45

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	22	5	537	0.041	22	0.0	0.0	7.027	A
C-AB	52	13	609	0.086	52	0.1	0.1	6.501	A
C-A	27	7			27				
A-B	0	0			0				
A-C	45	11			45				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	27	7	530	0.051	27	0.0	0.1	7.204	A
C-AB	65	16	611	0.106	65	0.1	0.1	6.626	A
C-A	32	8			32				
A-B	0	0			0				
A-C	56	14			56				

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	27	7	530	0.051	27	0.1	0.1	7.205	A
C-AB	65	16	611	0.106	65	0.1	0.1	6.628	A
C-A	32	8			32				
A-B	0	0			0				
A-C	56	14			56				

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	22	5	537	0.041	22	0.1	0.0	7.029	A
C-AB	52	13	609	0.086	52	0.1	0.1	6.510	A
C-A	27	7			27				
A-B	0	0			0				
A-C	45	11			45				

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	18	5	543	0.034	18	0.0	0.0	6.906	A
C-AB	43	11	607	0.071	43	0.1	0.1	6.423	A
C-A	23	6			23				
A-B	0	0			0				
A-C	38	10			38				

# 2029DM, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		4.19	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.19	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2029DM	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	24	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	57	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	73	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	24
B - Old Fakenham Road Slip Road	57	0	0
C - Old Fakenham Road (N)	39	34	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.54	0.46

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	2
B - Old Fakenham Road Slip Road	0	0	0
C - Old Fakenham Road (N)	0	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.000	1.000
C - Old Fakenham Road (N)	1.003	1.002

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	16:45-17:00	18	19
	17:00-17:15	22	22
	17:15-17:30	27	27
	17:30-17:45	27	27
	17:45-18:00	22	22
	18:00-18:15	18	19
B - Old Fakenham Road Slip Road	16:45-17:00	43	43
	17:00-17:15	51	51
	17:15-17:30	63	63
	17:30-17:45	63	63
	17:45-18:00	51	51
	18:00-18:15	43	43
C - Old Fakenham Road (N)	16:45-17:00	55	55
	17:00-17:15	66	66
	17:15-17:30	81	81
	17:30-17:45	81	81
	17:45-18:00	66	66
	18:00-18:15	55	55

## 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	0.12	7.46	0.1	A	52	79
C-AB	0.06	6.20	0.1	A	33	50
C-A					34	51
A-B					0	0
A-C					23	34

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	43	11	553	0.078	43	0.0	0.1	7.049	A
C-AB	27	7	615	0.044	27	0.0	0.0	6.130	A
C-A	28	7			28				
A-B	0	0			0				
A-C	19	5			19				

#### 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	51	13	549	0.093	51	0.1	0.1	7.228	A
C-AB	32	8	618	0.052	32	0.0	0.1	6.158	A
C-A	34	8			34				
A-B	0	0			0				
A-C	22	6			22				

#### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	544	0.116	63	0.1	0.1	7.474	A
C-AB	40	10	622	0.064	40	0.1	0.1	6.195	A
C-A	41	10			41				
A-B	0	0			0				
A-C	27	7			27				

#### 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	63	16	544	0.116	63	0.1	0.1	7.477	A
C-AB	40	10	622	0.064	40	0.1	0.1	6.196	A
C-A	41	10			41				
A-B	0	0			0				
A-C	27	7			27				

#### 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	51	13	549	0.093	51	0.1	0.1	7.234	A
C-AB	32	8	618	0.052	32	0.1	0.1	6.162	A
C-A	34	8			34				
A-B	0	0			0				
A-C	22	6			22				

#### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	43	11	553	0.078	43	0.1	0.1	7.063	A
C-AB	27	7	615	0.044	27	0.1	0.0	6.134	A
C-A	28	7			28				
A-B	0	0			0				
A-C	19	5			19				



# 2029DS, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.60	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.60	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2029DS	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	127	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	9	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	166	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	127
B - Old Fakenham Road Slip Road	9	0	0
C - Old Fakenham Road (N)	149	16	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.90	0.10

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	1
B - Old Fakenham Road Slip Road	1	0	0
C - Old Fakenham Road (N)	2	1	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.007	1.000
C - Old Fakenham Road (N)	1.020	1.005

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	07:15-07:30	96	97
	07:30-07:45	114	115
	07:45-08:00	140	141
	08:00-08:15	140	141
	08:15-08:30	114	115
	08:30-08:45	96	97
B - Old Fakenham Road Slip Road	07:15-07:30	7	7
	07:30-07:45	8	8
	07:45-08:00	10	10
	08:00-08:15	10	10
	08:15-08:30	8	8
	08:30-08:45	7	7
C - Old Fakenham Road (N)	07:15-07:30	125	127
	07:30-07:45	149	152
	07:45-08:00	183	186
	08:00-08:15	183	186
	08:15-08:30	149	152
	08:30-08:45	125	127

## 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	0.02	7.36	0.0	A	8	12
C-AB	0.04	5.67	0.0	A	19	29
C-A					138	204
A-B					0	0
A-C					118	176

## Main Results for each time segment

### 07:15 - 07:30

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	7	2	524	0.013	7	0.0	0.0	7.004	A
C-AB	15	4	655	0.023	15	0.0	0.0	5.665	A
C-A	112	28			112				
A-B	0	0			0				
A-C	97	24			97				

### 07:30 - 07:45

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	8	2	515	0.016	8	0.0	0.0	7.150	A
C-AB	19	5	667	0.028	19	0.0	0.0	5.599	A
C-A	133	33			133				
A-B	0	0			0				
A-C	115	29			115				

### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	10	2	502	0.020	10	0.0	0.0	7.361	A
C-AB	24	6	682	0.035	24	0.0	0.0	5.514	A
C-A	162	40			162				
A-B	0	0			0				
A-C	141	35			141				

### 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	10	2	502	0.020	10	0.0	0.0	7.361	A
C-AB	24	6	682	0.035	24	0.0	0.0	5.519	A
C-A	162	40			162				
A-B	0	0			0				
A-C	141	35			141				

### 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	8	2	515	0.016	8	0.0	0.0	7.153	A
C-AB	19	5	667	0.028	19	0.0	0.0	5.606	A
C-A	133	33			133				
A-B	0	0			0				
A-C	115	29			115				

### 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	7	2	524	0.013	7	0.0	0.0	7.005	A
C-AB	15	4	655	0.023	15	0.0	0.0	5.669	A
C-A	112	28			112				
A-B	0	0			0				
A-C	97	24			97				

# 2029DS, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.65	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.65	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2029DS	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	122	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	14	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	97	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	122
B - Old Fakenham Road Slip Road	14	0	0
C - Old Fakenham Road (N)	90	8	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.92	0.08

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	0
B - Old Fakenham Road Slip Road	0	0	0
C - Old Fakenham Road (N)	0	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.000	1.000
C - Old Fakenham Road (N)	1.002	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	16:45-17:00	92	92
	17:00-17:15	109	109
	17:15-17:30	134	134
	17:30-17:45	134	134
	17:45-18:00	109	109
	18:00-18:15	92	92
B - Old Fakenham Road Slip Road	16:45-17:00	10	10
	17:00-17:15	12	12
	17:15-17:30	15	15
	17:30-17:45	15	15
	17:45-18:00	12	12
	18:00-18:15	10	10
C - Old Fakenham Road (N)	16:45-17:00	73	73
	17:00-17:15	88	88
	17:15-17:30	107	107
	17:30-17:45	107	107
	17:45-18:00	88	88
	18:00-18:15	73	73

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.03	7.15	0.0	A	13	19
C-AB	0.02	5.83	0.0	A	8	12
C-A					81	122
A-B					0	0
A-C					112	168

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	10	3	536	0.019	10	0.0	0.0	6.853	A
C-AB	7	2	624	0.011	7	0.0	0.0	5.828	A
C-A	67	17			67				
A-B	0	0			0				
A-C	92	23			92				

#### 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	12	3	528	0.023	12	0.0	0.0	6.973	A
C-AB	8	2	629	0.013	8	0.0	0.0	5.794	A
C-A	80	20			80				
A-B	0	0			0				
A-C	109	27			109				

#### 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	15	4	519	0.029	15	0.0	0.0	7.146	A
C-AB	10	3	637	0.016	10	0.0	0.0	5.748	A
C-A	97	24			97				
A-B	0	0			0				
A-C	134	34			134				

#### 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	15	4	519	0.029	15	0.0	0.0	7.146	A
C-AB	10	3	637	0.016	10	0.0	0.0	5.751	A
C-A	97	24			97				
A-B	0	0			0				
A-C	134	34			134				

#### 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	12	3	528	0.023	12	0.0	0.0	6.974	A
C-AB	8	2	629	0.013	8	0.0	0.0	5.797	A
C-A	80	20			80				
A-B	0	0			0				
A-C	109	27			109				

#### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	10	3	536	0.019	10	0.0	0.0	6.853	A
C-AB	7	2	624	0.011	7	0.0	0.0	5.829	A
C-A	67	17			67				
A-B	0	0			0				
A-C	92	23			92				

# 2029DS\_Mitigation, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.59	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.59	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2029DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	56	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	6	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	58	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	56
B - Old Fakenham Road Slip Road	6	0	0
C - Old Fakenham Road (N)	53	5	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.92	0.08

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	2
B - Old Fakenham Road Slip Road	0	0	0
C - Old Fakenham Road (N)	4	2	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.003	1.000
C - Old Fakenham Road (N)	1.040	1.019

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	07:15-07:30	42	43
	07:30-07:45	50	52
	07:45-08:00	62	63
	08:00-08:15	62	63
	08:15-08:30	50	52
	08:30-08:45	42	43
B - Old Fakenham Road Slip Road	07:15-07:30	4	4
	07:30-07:45	5	5
	07:45-08:00	6	6
	08:00-08:15	6	6
	08:15-08:30	5	5
	08:30-08:45	4	4
C - Old Fakenham Road (N)	07:15-07:30	44	45
	07:30-07:45	52	54
	07:45-08:00	64	66
	08:00-08:15	64	66
	08:15-08:30	52	54
	08:30-08:45	44	45

## 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	0.01	6.72	0.0	A	5	8
C-AB	0.01	5.99	0.0	A	5	7
C-A					50	75
A-B					0	0
A-C					53	79



## Main Results for each time segment

### 07:15 - 07:30

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	4	1	553	0.008	4	0.0	0.0	6.585	A
C-AB	4	1	617	0.007	4	0.0	0.0	5.989	A
C-A	41	10			41				
A-B	0	0			0				
A-C	43	11			43				

### 07:30 - 07:45

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	5	1	549	0.010	5	0.0	0.0	6.640	A
C-AB	5	1	621	0.008	5	0.0	0.0	5.963	A
C-A	49	12			49				
A-B	0	0			0				
A-C	52	13			52				

### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	6	2	544	0.012	6	0.0	0.0	6.717	A
C-AB	6	2	626	0.010	6	0.0	0.0	5.928	A
C-A	60	15			60				
A-B	0	0			0				
A-C	63	16			63				

### 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	6	2	544	0.012	6	0.0	0.0	6.717	A
C-AB	6	2	626	0.010	6	0.0	0.0	5.929	A
C-A	60	15			60				
A-B	0	0			0				
A-C	63	16			63				

### 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	5	1	549	0.010	5	0.0	0.0	6.643	A
C-AB	5	1	621	0.008	5	0.0	0.0	5.967	A
C-A	49	12			49				
A-B	0	0			0				
A-C	52	13			52				

### 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	4	1	553	0.008	4	0.0	0.0	6.587	A
C-AB	4	1	617	0.007	4	0.0	0.0	5.992	A
C-A	41	10			41				
A-B	0	0			0				
A-C	43	11			43				

# 2029DS\_Mitigation, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.41	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.41	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2029DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	27	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	3	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	64	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	27
B - Old Fakenham Road Slip Road	3	0	0
C - Old Fakenham Road (N)	58	6	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.91	0.09

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	1
B - Old Fakenham Road Slip Road	0	0	0
C - Old Fakenham Road (N)	0	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.000	1.000
C - Old Fakenham Road (N)	1.003	1.002

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	16:45-17:00	20	21
	17:00-17:15	24	25
	17:15-17:30	30	30
	17:30-17:45	30	30
	17:45-18:00	24	25
	18:00-18:15	20	21
B - Old Fakenham Road Slip Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0
C - Old Fakenham Road (N)	16:45-17:00	48	48
	17:00-17:15	57	58
	17:15-17:30	70	70
	17:30-17:45	70	70
	17:45-18:00	57	58
	18:00-18:15	48	48

## 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	0.01	5.83	0.0	A	6	9
C-A					53	79
A-B					0	0
A-C					25	38

## Main Results for each time segment

### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	631	0.000	0	0.0	0.0	0.000	A
C-AB	5	1	624	0.008	5	0.0	0.0	5.826	A
C-A	43	11			43				
A-B	0	0			0				
A-C	21	5			21				

### 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	629	0.000	0	0.0	0.0	0.000	A
C-AB	6	1	629	0.009	6	0.0	0.0	5.790	A
C-A	52	13			52				
A-B	0	0			0				
A-C	25	6			25				

### 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	626	0.000	0	0.0	0.0	0.000	A
C-AB	7	2	635	0.011	7	0.0	0.0	5.741	A
C-A	63	16			63				
A-B	0	0			0				
A-C	30	8			30				

### 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	626	0.000	0	0.0	0.0	0.000	A
C-AB	7	2	635	0.011	7	0.0	0.0	5.744	A
C-A	63	16			63				
A-B	0	0			0				
A-C	30	8			30				

### 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	629	0.000	0	0.0	0.0	0.000	A
C-AB	6	1	629	0.009	6	0.0	0.0	5.792	A
C-A	52	13			52				
A-B	0	0			0				
A-C	25	6			25				

### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	631	0.000	0	0.0	0.0	0.000	A
C-AB	5	1	624	0.008	5	0.0	0.0	5.826	A
C-A	43	11			43				
A-B	0	0			0				
A-C	21	5			21				

# 2039DM, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		4.03	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.03	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2039DM	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	49	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	28	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	100	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	49
B - Old Fakenham Road Slip Road	28	0	0
C - Old Fakenham Road (N)	28	73	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.28	0.72

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	2
B - Old Fakenham Road Slip Road	1	0	0
C - Old Fakenham Road (N)	5	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.010	1.000
C - Old Fakenham Road (N)	1.052	1.003

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	07:15-07:30	37	38
	07:30-07:45	44	45
	07:45-08:00	54	55
	08:00-08:15	54	55
	08:15-08:30	44	45
	08:30-08:45	37	38
B - Old Fakenham Road Slip Road	07:15-07:30	19	20
	07:30-07:45	23	23
	07:45-08:00	28	29
	08:00-08:15	28	29
	08:15-08:30	23	23
	08:30-08:45	19	20
C - Old Fakenham Road (N)	07:15-07:30	76	77
	07:30-07:45	90	92
	07:45-08:00	111	112
	08:00-08:15	111	112
	08:15-08:30	90	92
	08:30-08:45	76	77

## 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	0.05	7.35	0.1	A	24	38
C-AB	0.14	6.91	0.2	A	70	105
C-A					24	38
A-B					0	0
A-C					46	69

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	539	0.036	20	0.0	0.0	7.000	A
C-AB	57	14	605	0.094	56	0.0	0.1	6.584	A
C-A	20	5			20				
A-B	0	0			0				
A-C	38	9			38				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	23	6	532	0.044	23	0.0	0.0	7.146	A
C-AB	68	17	607	0.113	68	0.1	0.1	6.719	A
C-A	23	6			23				
A-B	0	0			0				
A-C	45	11			45				

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	523	0.055	29	0.0	0.1	7.351	A
C-AB	85	21	608	0.139	85	0.1	0.2	6.905	A
C-A	28	7			28				
A-B	0	0			0				
A-C	55	14			55				

#### 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	29	7	523	0.055	29	0.1	0.1	7.352	A
C-AB	85	21	608	0.139	85	0.2	0.2	6.910	A
C-A	28	7			28				
A-B	0	0			0				
A-C	55	14			55				

#### 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	23	6	532	0.044	24	0.1	0.0	7.151	A
C-AB	68	17	607	0.113	69	0.2	0.1	6.729	A
C-A	23	6			23				
A-B	0	0			0				
A-C	45	11			45				

#### 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	20	5	539	0.037	20	0.0	0.0	7.006	A
C-AB	57	14	605	0.094	57	0.1	0.1	6.596	A
C-A	20	5			20				
A-B	0	0			0				
A-C	38	9			38				

# 2039DM, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		4.02	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.02	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2039DM	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	24	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	54	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	74	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	24
B - Old Fakenham Road Slip Road	54	0	0
C - Old Fakenham Road (N)	42	33	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.56	0.44

## Vehicle Mix



### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	2
B - Old Fakenham Road Slip Road	0	0	0
C - Old Fakenham Road (N)	0	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.000	1.000
C - Old Fakenham Road (N)	1.003	1.002

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	16:45-17:00	18	19
	17:00-17:15	22	22
	17:15-17:30	27	27
	17:30-17:45	27	27
	17:45-18:00	22	22
	18:00-18:15	18	19
B - Old Fakenham Road Slip Road	16:45-17:00	41	41
	17:00-17:15	49	49
	17:15-17:30	60	60
	17:30-17:45	60	60
	17:45-18:00	49	49
	18:00-18:15	41	41
C - Old Fakenham Road (N)	16:45-17:00	56	56
	17:00-17:15	67	67
	17:15-17:30	82	82
	17:30-17:45	82	82
	17:45-18:00	67	67
	18:00-18:15	56	56

## 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	0.11	7.42	0.1	A	50	74
C-AB	0.06	6.17	0.1	A	32	48
C-A					36	55
A-B					0	0
A-C					23	34

## Main Results for each time segment

### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	41	10	553	0.074	40	0.0	0.1	7.017	A
C-AB	28	8	616	0.042	28	0.0	0.0	6.108	A
C-A	30	8			30				
A-B	0	0			0				
A-C	19	5			19				

### 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	49	12	549	0.088	49	0.1	0.1	7.188	A
C-AB	31	8	619	0.050	31	0.0	0.1	6.132	A
C-A	36	9			36				
A-B	0	0			0				
A-C	22	6			22				

### 17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	544	0.109	59	0.1	0.1	7.421	A
C-AB	39	10	624	0.062	39	0.1	0.1	6.163	A
C-A	43	11			43				
A-B	0	0			0				
A-C	27	7			27				

### 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	60	15	544	0.109	60	0.1	0.1	7.424	A
C-AB	39	10	624	0.062	39	0.1	0.1	6.166	A
C-A	43	11			43				
A-B	0	0			0				
A-C	27	7			27				

### 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	49	12	549	0.088	49	0.1	0.1	7.194	A
C-AB	31	8	619	0.050	31	0.1	0.1	6.136	A
C-A	36	9			36				
A-B	0	0			0				
A-C	22	6			22				

### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	41	10	553	0.074	41	0.1	0.1	7.028	A
C-AB	28	8	616	0.042	28	0.1	0.0	6.114	A
C-A	30	8			30				
A-B	0	0			0				
A-C	19	5			19				

# 2039DS, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.55	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.55	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2039DS	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	143	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	8	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	167	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	143
B - Old Fakenham Road Slip Road	8	0	0
C - Old Fakenham Road (N)	151	16	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.90	0.10

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	2
B - Old Fakenham Road Slip Road	1	0	0
C - Old Fakenham Road (N)	2	1	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.008	1.000
C - Old Fakenham Road (N)	1.021	1.005

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	07:15-07:30	108	110
	07:30-07:45	129	131
	07:45-08:00	158	161
	08:00-08:15	158	161
	08:15-08:30	129	131
	08:30-08:45	108	110
B - Old Fakenham Road Slip Road	07:15-07:30	6	6
	07:30-07:45	7	7
	07:45-08:00	9	9
	08:00-08:15	9	9
	08:15-08:30	7	7
	08:30-08:45	6	6
C - Old Fakenham Road (N)	07:15-07:30	128	128
	07:30-07:45	150	153
	07:45-08:00	184	188
	08:00-08:15	184	188
	08:15-08:30	150	153
	08:30-08:45	128	128

## 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	0.02	7.44	0.0	A	8	11
C-AB	0.04	5.89	0.0	A	19	29
C-A					137	206
A-B					0	0
A-C					134	201

## Main Results for each time segment

### 07:15 - 07:30

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	6	2	521	0.012	6	0.0	0.0	7.052	A
C-AB	15	4	653	0.023	15	0.0	0.0	5.682	A
C-A	113	28			113				
A-B	0	0			0				
A-C	110	27			110				

### 07:30 - 07:45

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	7	2	511	0.015	7	0.0	0.0	7.208	A
C-AB	18	5	664	0.028	18	0.0	0.0	5.619	A
C-A	135	34			135				
A-B	0	0			0				
A-C	131	33			131				

### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	9	2	497	0.018	9	0.0	0.0	7.435	A
C-AB	24	6	680	0.035	24	0.0	0.0	5.537	A
C-A	164	41			164				
A-B	0	0			0				
A-C	161	40			161				

### 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	9	2	497	0.018	9	0.0	0.0	7.435	A
C-AB	24	6	680	0.035	24	0.0	0.0	5.540	A
C-A	164	41			164				
A-B	0	0			0				
A-C	161	40			161				

### 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	7	2	511	0.015	7	0.0	0.0	7.212	A
C-AB	18	5	664	0.028	19	0.0	0.0	5.624	A
C-A	135	34			135				
A-B	0	0			0				
A-C	131	33			131				

### 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	6	2	521	0.012	6	0.0	0.0	7.053	A
C-AB	15	4	653	0.023	15	0.0	0.0	5.687	A
C-A	113	28			113				
A-B	0	0			0				
A-C	110	27			110				

# 2039DS, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.62	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.62	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2039DS	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	134	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	13	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	85	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	134
B - Old Fakenham Road Slip Road	13	0	0
C - Old Fakenham Road (N)	78	7	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.92	0.08

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	0
B - Old Fakenham Road Slip Road	0	0	0
C - Old Fakenham Road (N)	0	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.000	1.000
C - Old Fakenham Road (N)	1.003	1.002

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	16:45-17:00	101	101
	17:00-17:15	120	120
	17:15-17:30	147	147
	17:30-17:45	147	147
	17:45-18:00	120	120
	18:00-18:15	101	101
B - Old Fakenham Road Slip Road	16:45-17:00	10	10
	17:00-17:15	12	12
	17:15-17:30	15	15
	17:30-17:45	15	15
	17:45-18:00	12	12
	18:00-18:15	10	10
C - Old Fakenham Road (N)	16:45-17:00	64	64
	17:00-17:15	76	76
	17:15-17:30	93	94
	17:30-17:45	93	94
	17:45-18:00	76	76
	18:00-18:15	64	64

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.03	7.16	0.0	A	12	18
C-AB	0.01	5.91	0.0	A	7	11
C-A					71	106
A-B					0	0
A-C					123	184

## Main Results for each time segment

### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	10	3	535	0.019	10	0.0	0.0	6.859	A
C-AB	6	1	616	0.010	6	0.0	0.0	5.909	A
C-A	58	15			58				
A-B	0	0			0				
A-C	101	25			101				

### 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	12	3	528	0.023	12	0.0	0.0	6.981	A
C-AB	7	2	620	0.012	7	0.0	0.0	5.887	A
C-A	69	17			69				
A-B	0	0			0				
A-C	120	30			120				

### 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	15	4	518	0.029	15	0.0	0.0	7.156	A
C-AB	9	2	625	0.015	9	0.0	0.0	5.858	A
C-A	84	21			84				
A-B	0	0			0				
A-C	147	37			147				

### 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	15	4	518	0.029	15	0.0	0.0	7.156	A
C-AB	9	2	625	0.015	9	0.0	0.0	5.858	A
C-A	84	21			84				
A-B	0	0			0				
A-C	147	37			147				

### 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	12	3	528	0.023	12	0.0	0.0	6.984	A
C-AB	7	2	620	0.012	7	0.0	0.0	5.888	A
C-A	69	17			69				
A-B	0	0			0				
A-C	120	30			120				

### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	10	3	535	0.019	10	0.0	0.0	6.862	A
C-AB	6	1	616	0.010	6	0.0	0.0	5.909	A
C-A	58	15			58				
A-B	0	0			0				
A-C	101	25			101				



# 2039DS\_Mitigation, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.65	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.65	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2039DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	55	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	7	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	56	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	55
B - Old Fakenham Road Slip Road	7	0	0
C - Old Fakenham Road (N)	52	5	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.92	0.08

## Vehicle Mix

### Heavy Vehicle Percentages

From	To			
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)	
A - Old Fakenham Road (S)	0	0	2	
B - Old Fakenham Road Slip Road	0	0	0	
C - Old Fakenham Road (N)	4	2	0	

### Average PCU Per Veh

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	
A - Old Fakenham Road (S)	1.000	1.000	
B - Old Fakenham Road Slip Road	1.003	1.000	
C - Old Fakenham Road (N)	1.043	1.020	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	07:15-07:30	42	43
	07:30-07:45	50	51
	07:45-08:00	61	62
	08:00-08:15	61	62
	08:15-08:30	50	51
	08:30-08:45	42	43
B - Old Fakenham Road Slip Road	07:15-07:30	5	5
	07:30-07:45	7	7
	07:45-08:00	8	8
	08:00-08:15	8	8
	08:15-08:30	7	7
	08:30-08:45	5	5
C - Old Fakenham Road (N)	07:15-07:30	42	44
	07:30-07:45	51	53
	07:45-08:00	62	65
	08:00-08:15	62	65
	08:15-08:30	51	53
	08:30-08:45	42	44

## 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	0.01	6.73	0.0	A	7	10
C-AB	0.01	6.00	0.0	A	5	7
C-A					49	74
A-B					0	0
A-C					52	78

## Main Results for each time segment

### 07:15 - 07:30

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	5	1	553	0.010	5	0.0	0.0	6.589	A
C-AB	4	0.96	617	0.008	4	0.0	0.0	5.998	A
C-A	40	10			40				
A-B	0	0			0				
A-C	43	11			43				

### 07:30 - 07:45

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	7	2	550	0.012	7	0.0	0.0	6.646	A
C-AB	5	1	620	0.008	5	0.0	0.0	5.973	A
C-A	48	12			48				
A-B	0	0			0				
A-C	51	13			51				

### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	8	2	545	0.015	8	0.0	0.0	6.726	A
C-AB	6	1	625	0.009	6	0.0	0.0	5.939	A
C-A	59	15			59				
A-B	0	0			0				
A-C	62	16			62				

### 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	8	2	545	0.015	8	0.0	0.0	6.726	A
C-AB	6	1	625	0.009	6	0.0	0.0	5.942	A
C-A	59	15			59				
A-B	0	0			0				
A-C	62	16			62				

### 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	7	2	550	0.012	7	0.0	0.0	6.649	A
C-AB	5	1	620	0.008	5	0.0	0.0	5.975	A
C-A	48	12			48				
A-B	0	0			0				
A-C	51	13			51				

### 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	5	1	553	0.010	5	0.0	0.0	6.592	A
C-AB	4	0.96	617	0.008	4	0.0	0.0	5.999	A
C-A	40	10			40				
A-B	0	0			0				
A-C	43	11			43				

# 2039DS\_Mitigation, 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
J27b	Old Fakenham Road/ Old Fakenham Road Slip road	T-Junction	Two-way	Two-way	Two-way		0.56	A

### Junction Network

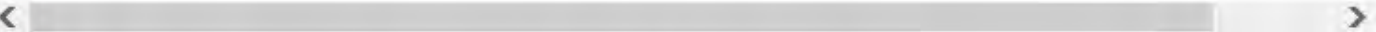
Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.56	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2039DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓

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



Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - Old Fakenham Road (S)		ONE HOUR	✓	26	100.000
B - Old Fakenham Road Slip Road		ONE HOUR	✓	3	100.000
C - Old Fakenham Road (N)		ONE HOUR	✓	65	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	26
B - Old Fakenham Road Slip Road	3	0	0
C - Old Fakenham Road (N)	57	8	0

### Proportions

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	0.00	0.00
B - Old Fakenham Road Slip Road	1.00	0.00
C - Old Fakenham Road (N)	0.88	0.12

## Vehicle Mix

### Heavy Vehicle Percentages

From	To		
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road	C - Old Fakenham Road (N)
A - Old Fakenham Road (S)	0	0	1
B - Old Fakenham Road Slip Road	0	0	0
C - Old Fakenham Road (N)	0	0	0

### Average PCU Per Veh

From	To	
	A - Old Fakenham Road (S)	B - Old Fakenham Road Slip Road
A - Old Fakenham Road (S)	1.000	1.000
B - Old Fakenham Road Slip Road	1.000	1.000
C - Old Fakenham Road (N)	1.003	1.002

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - Old Fakenham Road (S)	16:45-17:00	20	20
	17:00-17:15	24	24
	17:15-17:30	29	29
	17:30-17:45	29	29
	17:45-18:00	24	24
	18:00-18:15	20	20
B - Old Fakenham Road Slip Road	16:45-17:00	0	0
	17:00-17:15	0	0
	17:15-17:30	0	0
	17:30-17:45	0	0
	17:45-18:00	0	0
	18:00-18:15	0	0
C - Old Fakenham Road (N)	16:45-17:00	49	49
	17:00-17:15	59	59
	17:15-17:30	72	72
	17:30-17:45	72	72
	17:45-18:00	59	59
	18:00-18:15	49	49

## 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	0.02	5.85	0.0	A	8	12
C-A					52	78
A-B					0	0
A-C					24	37

## Main Results for each time segment

### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	631	0.000	0	0.0	0.0	0.000	A
C-AB	6	2	623	0.010	6	0.0	0.0	5.846	A
C-A	43	11			43				
A-B	0	0			0				
A-C	20	5			20				

### 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	629	0.000	0	0.0	0.0	0.000	A
C-AB	8	2	628	0.013	8	0.0	0.0	5.814	A
C-A	51	13			51				
A-B	0	0			0				
A-C	24	6			24				

### 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	626	0.000	0	0.0	0.0	0.000	A
C-AB	10	2	635	0.015	10	0.0	0.0	5.770	A
C-A	62	16			62				
A-B	0	0			0				
A-C	29	7			29				

### 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	626	0.000	0	0.0	0.0	0.000	A
C-AB	10	2	635	0.015	10	0.0	0.0	5.773	A
C-A	62	16			62				
A-B	0	0			0				
A-C	29	7			29				

### 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	629	0.000	0	0.0	0.0	0.000	A
C-AB	8	2	628	0.013	8	0.0	0.0	5.816	A
C-A	51	13			51				
A-B	0	0			0				
A-C	24	6			24				

### 18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	0	0	631	0.000	0	0.0	0.0	0.000	A
C-AB	6	2	623	0.010	7	0.0	0.0	5.846	A
C-A	43	11			43				
A-B	0	0			0				
A-C	20	5			20				



## **J27c - Old Fakenham Road/ A1067 Fakenham Road priority junction Results**

<b>Junctions 10</b>
<b>PICADY 10 - Priority Intersection Module</b>
Version: 10.0.1.1519 © Copyright TRL Software Limited, 2021
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Filename: J27c.j10

Path: \\corp.pbwan.net\NNN\_Projects\70118686-70061370-Norwich Western Link 2019 20\04 Record of Issue\4A Internal WSP Doc Registers\20240129\_Model Reports(wo 2044)\J27\J27c

Report generation date: 29/01/2024 14:57:10

- »2029DM, AM
- »2029DM, PM
- »2029DS, AM
- »2029DS, PM
- »2029DS\_Mitigation, AM
- »2029DS\_Mitigation, PM
- »2039DM, AM
- »2039DM, PM
- »2039DS, AM
- »2039DS, PM
- »2039DS\_Mitigation, AM
- »2039DS\_Mitigation, PM

**Summary of junction performance**

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
<b>2029DM</b>										
Stream B-AC	D1	0.1	9.42	0.08	A	D2	0.1	7.91	0.09	A
Stream C-AB		0.9	5.34	0.24	A		0.2	4.61	0.10	A
<b>2029DS</b>										
Stream B-AC	D3	0.5	10.83	0.33	B	D4	0.2	7.98	0.18	A
Stream C-AB		1.6	8.21	0.46	A		1.5	6.96	0.43	A
<b>2029DS_Mitigation</b>										
Stream B-AC	D5	0.1	8.41	0.12	A	D6	0.1	7.44	0.12	A
Stream C-AB		0.6	5.52	0.21	A		0.2	4.75	0.10	A
<b>2039DM</b>										
Stream B-AC	D7	0.1	10.50	0.08	B	D8	0.1	8.38	0.10	A
Stream C-AB		1.2	5.52	0.28	A		0.3	4.50	0.12	A
<b>2039DS</b>										
Stream B-AC	D9	0.5	10.81	0.33	B	D10	0.2	8.04	0.16	A
Stream C-AB		2.2	9.33	0.53	A		1.9	7.85	0.49	A
<b>2039DS_Mitigation</b>										
Stream B-AC	D11	0.1	8.60	0.12	A	D12	0.1	7.68	0.12	A
Stream C-AB		0.7	5.43	0.22	A		0.2	4.72	0.10	A

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



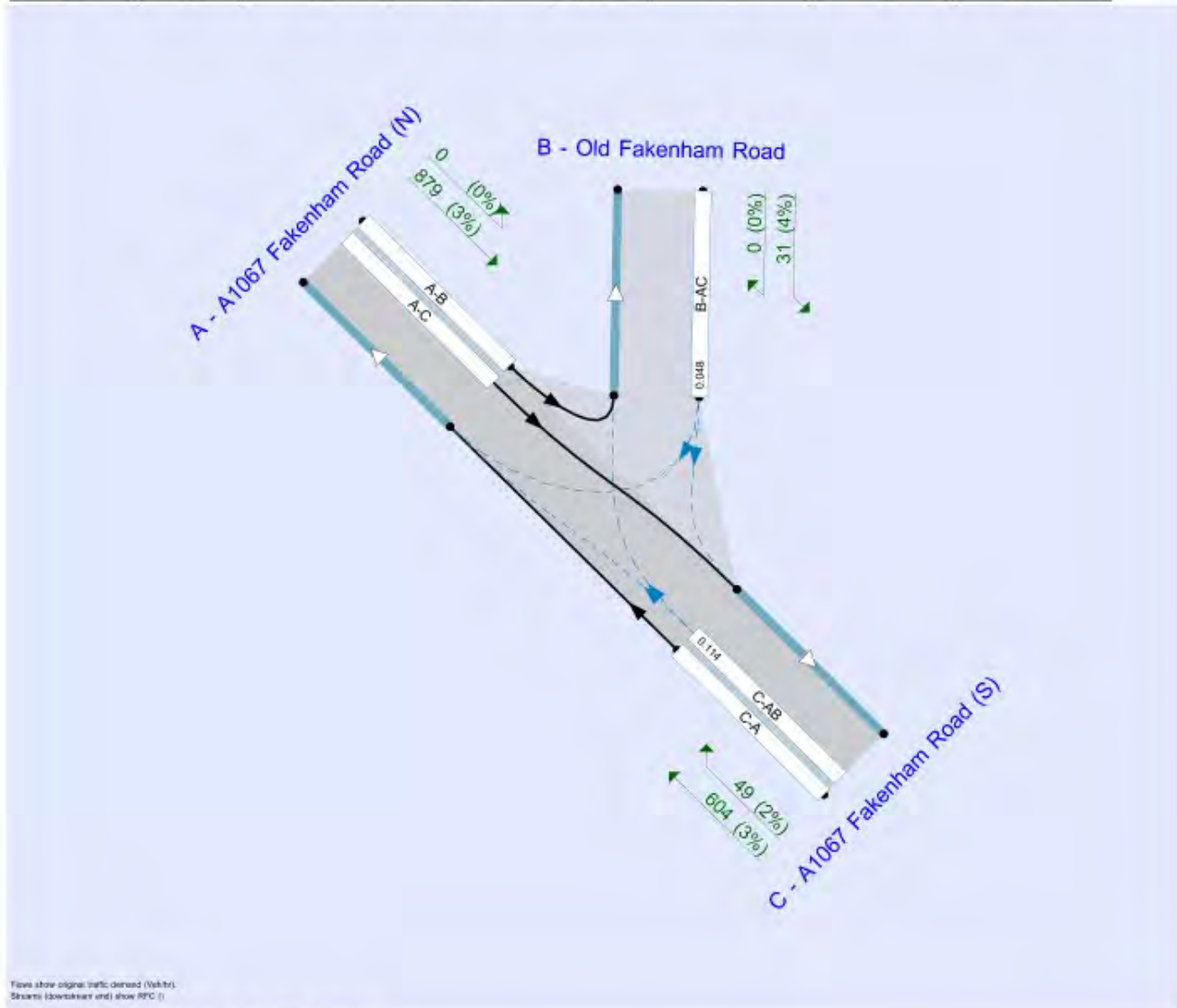
## File summary

### File Description

Title	Old Fakenham Road/ A1067 Fakenham Road
Location	52.70417701670235, 1.1554942580816825
Site number	J27c
Date	28/04/2023
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	CORP\INAL03507
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	Veh	PCU	perHour	s	-Min	perMin



### 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	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2029DM	AM	ONE HOUR	07:15	08:45	15	✓
D2	2029DM	PM	ONE HOUR	16:45	18:15	15	✓
D3	2029DS	AM	ONE HOUR	07:15	08:45	15	✓
D4	2029DS	PM	ONE HOUR	16:45	18:15	15	✓
D5	2029DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓
D6	2029DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓
D7	2039DM	AM	ONE HOUR	07:15	08:45	15	✓
D8	2039DM	PM	ONE HOUR	16:45	18:15	15	✓
D9	2039DS	AM	ONE HOUR	07:15	08:45	15	✓
D10	2039DS	PM	ONE HOUR	16:45	18:15	15	✓
D11	2039DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓
D12	2039DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓

### Analysis Set Details

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

# 2029DM, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.73	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.73	A

## Arms

### Arms

Arm	Name	Description	Arm type
A	A1067 Fakenham Road (N)		Major
B	Old Fakenham Road		Minor
C	A1067 Fakenham Road (S)		Major

### Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - A1067 Fakenham Road (S)	6.26			58.9	✓	0.00

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

### Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B - Old Fakenham Road	One lane	3.75	97	48

## Slope / Intercept / Capacity

### Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	573	0.103	0.261	0.164	0.373
B-C	703	0.107	0.270	-	-
C-B	608	0.233	0.233	-	-

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.

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2029DM	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	879	100.000
B - Old Fakenham Road		ONE HOUR	✓	31	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	654	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	879
	B - Old Fakenham Road	0	0	31
	C - A1067 Fakenham Road (S)	604	49	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.92	0.08	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	3
	B - Old Fakenham Road	0	0	4
	C - A1067 Fakenham Road (S)	3	2	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.028
	B - Old Fakenham Road	1.000	1.000	1.044
	C - A1067 Fakenham Road (S)	1.030	1.024	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	662	680
	07:30-07:45	790	812
	07:45-08:00	968	995
	08:00-08:15	968	995
	08:15-08:30	790	812
	08:30-08:45	662	680
B - Old Fakenham Road	07:15-07:30	24	25
	07:30-07:45	28	30
	07:45-08:00	35	36
	08:00-08:15	35	36
	08:15-08:30	28	30
	08:30-08:45	24	25
C - A1067 Fakenham Road (S)	07:15-07:30	492	507
	07:30-07:45	588	605
	07:45-08:00	720	741
	08:00-08:15	720	741
	08:15-08:30	588	605
	08:30-08:45	492	507

## 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	9.42	0.1	A	30	45
C-AB	0.24	5.34	0.9	A	150	224
C-A					468	702
A-B					0	0
A-C					829	1244

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	25	6	520	0.048	25	0.0	0.1	7.581	A
C-AB	92	23	801	0.114	91	0.0	0.3	5.207	A
C-A	415	104			415				
A-B	0	0			0				
A-C	680	170			680				

#### 07:30 - 07:45

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	30	7	484	0.061	29	0.1	0.1	8.260	A
C-AB	134	34	849	0.158	134	0.3	0.5	5.183	A
C-A	471	118			471				
A-B	0	0			0				
A-C	812	203			812				

**07:45 - 08:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	38	9	435	0.083	38	0.1	0.1	9.414	A
C-AB	221	55	919	0.241	220	0.5	0.9	5.310	A
C-A	520	130			520				
A-B	0	0			0				
A-C	995	249			995				

**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	36	9	435	0.083	36	0.1	0.1	9.418	A
C-AB	222	56	920	0.242	222	0.9	0.9	5.337	A
C-A	519	130			519				
A-B	0	0			0				
A-C	995	249			995				

**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	30	7	484	0.061	30	0.1	0.1	8.267	A
C-AB	136	34	850	0.159	137	0.9	0.5	5.222	A
C-A	470	117			470				
A-B	0	0			0				
A-C	812	203			812				

**08:30 - 08:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	25	6	520	0.048	25	0.1	0.1	7.592	A
C-AB	93	23	802	0.115	93	0.5	0.3	5.235	A
C-A	414	104			414				
A-B	0	0			0				
A-C	680	170			680				

# 2029DM, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.48	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.48	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2029DM	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	682	100.000
B - Old Fakenham Road		ONE HOUR	✓	39	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	653	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	682
	B - Old Fakenham Road	0	0	39
	C - A1067 Fakenham Road (S)	628	24	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.98	0.04	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	1
	B - Old Fakenham Road	0	0	0
	C - A1067 Fakenham Road (S)	2	2	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.008
	B - Old Fakenham Road	1.000	1.000	1.003
	C - A1067 Fakenham Road (S)	1.019	1.015	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	513	516
	17:00-17:15	613	616
	17:15-17:30	751	755
	17:30-17:45	751	755
	17:45-18:00	613	616
	18:00-18:15	513	516
B - Old Fakenham Road	16:45-17:00	30	30
	17:00-17:15	35	35
	17:15-17:30	43	43
	17:30-17:45	43	43
	17:45-18:00	35	35
	18:00-18:15	30	30
C - A1067 Fakenham Road (S)	16:45-17:00	491	501
	17:00-17:15	587	598
	17:15-17:30	719	732
	17:30-17:45	719	732
	17:45-18:00	587	598
	18:00-18:15	491	501

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.09	7.91	0.1	A	36	54
C-AB	0.10	4.61	0.2	A	69	104
C-A					541	811
A-B					0	0
A-C					629	944

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	30	7	564	0.053	30	0.0	0.1	6.746	A
C-AB	44	11	839	0.052	44	0.0	0.1	4.603	A
C-A	457	114			457				
A-B	0	0			0				
A-C	516	129			516				



**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	35	9	537	0.068	35	0.1	0.1	7.192	A
C-AB	63	16	892	0.071	63	0.1	0.1	4.423	A
C-A	535	134			535				
A-B	0	0			0				
A-C	616	154			616				

**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	43	11	500	0.087	43	0.1	0.1	7.904	A
C-AB	101	25	968	0.104	101	0.1	0.2	4.227	A
C-A	631	158			631				
A-B	0	0			0				
A-C	755	189			755				

**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	43	11	500	0.087	43	0.1	0.1	7.907	A
C-AB	101	25	968	0.105	101	0.2	0.2	4.230	A
C-A	631	158			631				
A-B	0	0			0				
A-C	755	189			755				

**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	35	9	537	0.068	36	0.1	0.1	7.195	A
C-AB	63	16	892	0.071	64	0.2	0.1	4.430	A
C-A	534	134			534				
A-B	0	0			0				
A-C	616	154			616				

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	30	7	564	0.053	30	0.1	0.1	6.752	A
C-AB	44	11	839	0.053	44	0.1	0.1	4.611	A
C-A	456	114			456				
A-B	0	0			0				
A-C	516	129			516				

# 2029DS, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		2.90	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.90	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2029DS	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	635	100.000
B - Old Fakenham Road		ONE HOUR	✓	149	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	596	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	635
	B - Old Fakenham Road	0	0	149
	C - A1067 Fakenham Road (S)	469	127	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.79	0.21	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	4
	B - Old Fakenham Road	0	0	2
	C - A1067 Fakenham Road (S)	3	1	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.043
	B - Old Fakenham Road	1.000	1.000	1.020
	C - A1067 Fakenham Road (S)	1.032	1.010	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	478	499
	07:30-07:45	571	596
	07:45-08:00	700	729
	08:00-08:15	700	729
	08:15-08:30	571	596
	08:30-08:45	478	499
B - Old Fakenham Road	07:15-07:30	113	115
	07:30-07:45	134	137
	07:45-08:00	165	168
	08:00-08:15	165	168
	08:15-08:30	134	137
	08:30-08:45	113	115
C - A1067 Fakenham Road (S)	07:15-07:30	449	461
	07:30-07:45	538	550
	07:45-08:00	658	674
	08:00-08:15	658	674
	08:15-08:30	538	550
	08:30-08:45	449	461

## 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	0.33	10.83	0.5	B	140	210
C-AB	0.46	8.21	1.6	A	278	417
C-A					283	425
A-B					0	0
A-C					608	912

### Main Results for each time segment

#### 07:15 - 07:30

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	115	29	569	0.202	114	0.0	0.3	8.046	A
C-AB	186	47	757	0.246	184	0.0	0.6	6.412	A
C-A	275	69			275				
A-B	0	0			0				
A-C	499	125			499				

**07:30 - 07:45**

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	137	34	543	0.252	137	0.3	0.3	9.030	A
C-AB	258	64	792	0.325	258	0.6	0.9	6.891	A
C-A	293	73			293				
A-B	0	0			0				
A-C	596	149			596				

**07:45 - 08:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	168	42	507	0.331	167	0.3	0.5	10.788	B
C-AB	388	97	843	0.460	385	0.9	1.6	8.095	A
C-A	286	71			286				
A-B	0	0			0				
A-C	729	182			729				

**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	168	42	507	0.331	168	0.5	0.5	10.826	B
C-AB	390	97	844	0.462	390	1.6	1.6	8.213	A
C-A	284	71			284				
A-B	0	0			0				
A-C	729	182			729				

**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	137	34	543	0.252	138	0.5	0.3	9.073	A
C-AB	259	65	794	0.327	262	1.6	0.9	7.012	A
C-A	291	73			291				
A-B	0	0			0				
A-C	596	149			596				

**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	115	29	569	0.202	115	0.3	0.3	8.094	A
C-AB	188	47	758	0.248	189	0.9	0.6	6.503	A
C-A	273	68			273				
A-B	0	0			0				
A-C	499	125			499				

# 2029DS, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		2.24	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.24	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2029DS	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	510	100.000
B - Old Fakenham Road		ONE HOUR	✓	90	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	666	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	510
	B - Old Fakenham Road	0	0	90
	C - A1067 Fakenham Road (S)	544	122	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.82	0.18	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	1
	B - Old Fakenham Road	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.007
	B - Old Fakenham Road	1.000	1.000	1.002
	C - A1067 Fakenham Road (S)	1.020	1.000	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	384	387
	17:00-17:15	458	462
	17:15-17:30	562	566
	17:30-17:45	562	566
	17:45-18:00	458	462
	18:00-18:15	384	387
B - Old Fakenham Road	16:45-17:00	67	68
	17:00-17:15	81	81
	17:15-17:30	99	99
	17:30-17:45	99	99
	17:45-18:00	81	81
	18:00-18:15	67	68
C - A1067 Fakenham Road (S)	16:45-17:00	502	510
	17:00-17:15	599	609
	17:15-17:30	733	745
	17:30-17:45	733	745
	17:45-18:00	599	609
	18:00-18:15	502	510

## 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	0.18	7.96	0.2	A	82	124
C-AB	0.43	6.96	1.5	A	283	425
C-A					338	507
A-B					0	0
A-C					471	707

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	68	17	599	0.113	67	0.0	0.1	6.773	A
C-AB	188	47	816	0.230	186	0.0	0.5	5.773	A
C-A	322	80			322				
A-B	0	0			0				
A-C	387	97			387				

**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	81	20	579	0.139	81	0.1	0.2	7.235	A
C-AB	262	66	862	0.304	261	0.5	0.8	6.075	A
C-A	346	87			346				
A-B	0	0			0				
A-C	462	115			462				

**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	99	25	551	0.179	99	0.2	0.2	7.968	A
C-AB	398	99	927	0.429	395	0.8	1.5	6.886	A
C-A	348	87			348				
A-B	0	0			0				
A-C	566	141			566				

**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	99	25	551	0.179	99	0.2	0.2	7.976	A
C-AB	399	100	929	0.430	399	1.5	1.5	6.962	A
C-A	346	87			346				
A-B	0	0			0				
A-C	566	141			566				

**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	81	20	579	0.139	81	0.2	0.2	7.247	A
C-AB	264	66	864	0.305	266	1.5	0.8	6.164	A
C-A	345	86			345				
A-B	0	0			0				
A-C	462	115			462				

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	68	17	599	0.113	68	0.2	0.1	6.787	A
C-AB	190	47	817	0.232	191	0.8	0.6	5.843	A
C-A	320	80			320				
A-B	0	0			0				
A-C	387	97			387				

# 2029DS\_Mitigation, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.96	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.96	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2029DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	639	100.000
B - Old Fakenham Road		ONE HOUR	✓	53	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	535	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	639
	B - Old Fakenham Road	0	0	53
	C - A1067 Fakenham Road (S)	479	56	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.90	0.10	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	4
	B - Old Fakenham Road	0	0	4
	C - A1067 Fakenham Road (S)	3	2	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.043
	B - Old Fakenham Road	1.000	1.000	1.040
	C - A1067 Fakenham Road (S)	1.031	1.024	1.000



## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	481	501
	07:30-07:45	574	599
	07:45-08:00	703	733
	08:00-08:15	703	733
	08:15-08:30	574	599
	08:30-08:45	481	501
B - Old Fakenham Road	07:15-07:30	40	42
	07:30-07:45	48	50
	07:45-08:00	58	61
	08:00-08:15	58	61
	08:15-08:30	48	50
	08:30-08:45	40	42
C - A1067 Fakenham Road (S)	07:15-07:30	403	415
	07:30-07:45	481	496
	07:45-08:00	589	607
	08:00-08:15	589	607
	08:15-08:30	481	496
	08:30-08:45	403	415

## 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	0.12	8.41	0.1	A	51	78
C-AB	0.21	5.52	0.6	A	127	190
C-A					380	570
A-B					0	0
A-C					611	917

### Main Results for each time segment

#### 07:15 - 07:30

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	42	10	568	0.073	41	0.0	0.1	7.096	A
C-AB	84	21	782	0.111	83	0.0	0.2	5.453	A
C-A	331	83			331				
A-B	0	0			0				
A-C	501	125			501				

**07:30 - 07:45**

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	50	12	542	0.092	50	0.1	0.1	7.599	A
C-AB	117	29	798	0.147	117	0.2	0.4	5.441	A
C-A	379	95			379				
A-B	0	0			0				
A-C	599	150			599				

**07:45 - 08:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	61	15	508	0.120	61	0.1	0.1	8.405	A
C-AB	177	44	850	0.208	176	0.4	0.6	5.509	A
C-A	430	108			430				
A-B	0	0			0				
A-C	733	183			733				

**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	61	15	508	0.120	61	0.1	0.1	8.410	A
C-AB	178	44	850	0.209	178	0.6	0.6	5.524	A
C-A	430	107			430				
A-B	0	0			0				
A-C	733	183			733				

**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	50	12	542	0.092	50	0.1	0.1	7.607	A
C-AB	118	29	798	0.147	119	0.6	0.4	5.467	A
C-A	378	95			378				
A-B	0	0			0				
A-C	599	150			599				

**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	42	10	568	0.073	42	0.1	0.1	7.110	A
C-AB	85	21	762	0.112	86	0.4	0.3	5.478	A
C-A	330	83			330				
A-B	0	0			0				
A-C	501	125			501				

# 2029DS\_Mitigation, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.66	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.66	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2029DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	516	100.000
B - Old Fakenham Road		ONE HOUR	✓	58	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	569	100.000

## Origin-Destination Data

### Demand (Veh/hr)

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	516
	B - Old Fakenham Road	0	0	58
	C - A1067 Fakenham Road (S)	542	27	0

### Proportions

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.95	0.05	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	1
	B - Old Fakenham Road	0	0	0
	C - A1067 Fakenham Road (S)	2	1	0

### Average PCU Per Veh

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.007
	B - Old Fakenham Road	1.000	1.000	1.003
	C - A1067 Fakenham Road (S)	1.020	1.014	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	388	391
	17:00-17:15	464	467
	17:15-17:30	568	572
	17:30-17:45	568	572
	17:45-18:00	464	467
	18:00-18:15	388	391
B - Old Fakenham Road	16:45-17:00	44	44
	17:00-17:15	52	52
	17:15-17:30	64	64
	17:30-17:45	64	64
	17:45-18:00	52	52
	18:00-18:15	44	44
C - A1067 Fakenham Road (S)	16:45-17:00	428	437
	17:00-17:15	511	521
	17:15-17:30	628	639
	17:30-17:45	628	639
	17:45-18:00	511	521
	18:00-18:15	428	437

## 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	0.12	7.44	0.1	A	53	80
C-AB	0.10	4.75	0.2	A	63	95
C-A					469	703
A-B					0	0
A-C					477	715

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	44	11	598	0.073	43	0.0	0.1	6.507	A
C-AB	42	11	814	0.052	42	0.0	0.1	4.743	A
C-A	394	99			394				
A-B	0	0			0				
A-C	391	98			391				

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	52	13	578	0.091	52	0.1	0.1	6.872	A
C-AB	59	15	858	0.068	58	0.1	0.1	4.579	A
C-A	463	116			463				
A-B	0	0			0				
A-C	467	117			467				

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	64	16	549	0.117	64	0.1	0.1	7.436	A
C-AB	89	22	923	0.096	89	0.1	0.2	4.391	A
C-A	550	137			550				
A-B	0	0			0				
A-C	572	143			572				

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	64	16	549	0.117	64	0.1	0.1	7.439	A
C-AB	89	22	923	0.096	89	0.2	0.2	4.397	A
C-A	550	137			550				
A-B	0	0			0				
A-C	572	143			572				

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	52	13	578	0.091	52	0.1	0.1	6.875	A
C-AB	59	15	859	0.068	59	0.2	0.1	4.586	A
C-A	463	116			463				
A-B	0	0			0				
A-C	467	117			467				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	44	11	598	0.073	44	0.1	0.1	6.515	A
C-AB	42	11	814	0.052	43	0.1	0.1	4.749	A
C-A	394	99			394				
A-B	0	0			0				
A-C	391	98			391				

# 2039DM, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.75	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.75	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2039DM	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	1016	100.000
B - Old Fakenham Road		ONE HOUR	✓	28	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	647	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	1016
	B - Old Fakenham Road	0	0	28
	C - A1067 Fakenham Road (S)	647	49	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.93	0.07	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	3
	B - Old Fakenham Road	0	0	5
	C - A1067 Fakenham Road (S)	3	2	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.030
	B - Old Fakenham Road	1.000	1.000	1.052
	C - A1067 Fakenham Road (S)	1.028	1.022	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	765	788
	07:30-07:45	913	941
	07:45-08:00	1119	1152
	08:00-08:15	1119	1152
	08:15-08:30	913	941
	08:30-08:45	765	788
B - Old Fakenham Road	07:15-07:30	21	22
	07:30-07:45	25	26
	07:45-08:00	31	32
	08:00-08:15	31	32
	08:15-08:30	25	26
	08:30-08:45	21	22
C - A1067 Fakenham Road (S)	07:15-07:30	524	538
	07:30-07:45	626	643
	07:45-08:00	766	787
	08:00-08:15	766	787
	08:15-08:30	626	643
	08:30-08:45	524	538

## 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	10.50	0.1	B	27	40
C-AB	0.28	5.52	1.2	A	171	256
C-A					485	728
A-B					0	0
A-C					960	1440

### Main Results for each time segment

#### 07:15 - 07:30

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	22	6	491	0.045	22	0.0	0.0	8.065	A
C-AB	100	25	807	0.124	99	0.0	0.3	5.212	A
C-A	438	110			438				
A-B	0	0			0				
A-C	788	197			788				

**07:30 - 07:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	28	7	450	0.059	28	0.0	0.1	8.936	A
C-AB	151	38	858	0.175	150	0.3	0.5	5.226	A
C-A	492	123			492				
A-B	0	0			0				
A-C	941	235			941				

**07:45 - 08:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	32	8	393	0.082	32	0.1	0.1	10.490	B
C-AB	259	65	935	0.278	257	0.5	1.2	5.481	A
C-A	528	132			528				
A-B	0	0			0				
A-C	1152	288			1152				

**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	32	8	393	0.082	32	0.1	0.1	10.496	B
C-AB	261	65	936	0.279	261	1.2	1.2	5.525	A
C-A	526	132			526				
A-B	0	0			0				
A-C	1152	288			1152				

**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	28	7	450	0.059	28	0.1	0.1	8.944	A
C-AB	152	38	860	0.177	155	1.2	0.6	5.276	A
C-A	491	123			491				
A-B	0	0			0				
A-C	941	235			941				

**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	22	6	491	0.045	22	0.1	0.0	8.075	A
C-AB	101	25	808	0.125	102	0.6	0.3	5.248	A
C-A	437	109			437				
A-B	0	0			0				
A-C	788	197			788				



# 2039DM, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.48	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.48	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2039DM	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	760	100.000
B - Old Fakenham Road		ONE HOUR	✓	42	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	712	100.000

## Origin-Destination Data

### Demand (Veh/hr)

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	760
	B - Old Fakenham Road	0	0	42
	C - A1067 Fakenham Road (S)	688	24	0

### Proportions

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.97	0.03	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	1
	B - Old Fakenham Road	0	0	0
	C - A1067 Fakenham Road (S)	2	2	0

### Average PCU Per Veh

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.006
	B - Old Fakenham Road	1.000	1.000	1.003
	C - A1067 Fakenham Road (S)	1.020	1.015	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	572	576
	17:00-17:15	683	687
	17:15-17:30	837	842
	17:30-17:45	837	842
	17:45-18:00	683	687
	18:00-18:15	572	576
B - Old Fakenham Road	16:45-17:00	31	32
	17:00-17:15	38	38
	17:15-17:30	46	46
	17:30-17:45	46	46
	17:45-18:00	38	38
	18:00-18:15	31	32
C - A1067 Fakenham Road (S)	16:45-17:00	536	547
	17:00-17:15	640	653
	17:15-17:30	784	799
	17:30-17:45	784	799
	17:45-18:00	640	653
	18:00-18:15	536	547

## 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	8.38	0.1	A	38	58
C-AB	0.12	4.50	0.3	A	79	119
C-A					587	881
A-B					0	0
A-C					702	1052

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	32	8	548	0.057	31	0.0	0.1	6.977	A
C-AB	48	12	863	0.056	48	0.0	0.1	4.494	A
C-A	499	125			499				
A-B	0	0			0				
A-C	576	144			576				

**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	38	9	518	0.073	38	0.1	0.1	7.509	A
C-AB	71	18	922	0.077	71	0.1	0.1	4.309	A
C-A	582	145			582				
A-B	0	0			0				
A-C	687	172			687				

**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	46	12	477	0.097	46	0.1	0.1	8.380	A
C-AB	118	29	1008	0.117	117	0.1	0.3	4.118	A
C-A	682	170			682				
A-B	0	0			0				
A-C	842	210			842				

**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	46	12	477	0.097	46	0.1	0.1	8.383	A
C-AB	118	29	1008	0.117	118	0.3	0.3	4.124	A
C-A	682	170			682				
A-B	0	0			0				
A-C	842	210			842				

**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	38	9	518	0.073	38	0.1	0.1	7.512	A
C-AB	71	18	922	0.077	72	0.3	0.1	4.317	A
C-A	582	145			582				
A-B	0	0			0				
A-C	687	172			687				

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	32	8	548	0.057	32	0.1	0.1	6.987	A
C-AB	48	12	883	0.056	49	0.1	0.1	4.503	A
C-A	498	125			498				
A-B	0	0			0				
A-C	576	144			576				

# 2039DS, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		3.42	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	3.42	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2039DS	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	637	100.000
B - Old Fakenham Road		ONE HOUR	✓	151	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	634	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	637
	B - Old Fakenham Road	0	0	151
	C - A1067 Fakenham Road (S)	491	143	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.77	0.23	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	2
	B - Old Fakenham Road	0	0	2
	C - A1067 Fakenham Road (S)	3	2	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.024
	B - Old Fakenham Road	1.000	1.000	1.021
	C - A1067 Fakenham Road (S)	1.030	1.020	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	480	491
	07:30-07:45	573	587
	07:45-08:00	702	719
	08:00-08:15	702	719
	08:15-08:30	573	587
	08:30-08:45	480	491
B - Old Fakenham Road	07:15-07:30	114	116
	07:30-07:45	136	139
	07:45-08:00	166	170
	08:00-08:15	166	170
	08:15-08:30	136	139
	08:30-08:45	114	116
C - A1067 Fakenham Road (S)	07:15-07:30	478	491
	07:30-07:45	570	586
	07:45-08:00	698	718
	08:00-08:15	698	718
	08:15-08:30	570	586
	08:30-08:45	478	491

## 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	0.33	10.81	0.5	B	141	212
C-AB	0.53	9.33	2.2	A	328	492
C-A					271	406
A-B					0	0
A-C					599	899

### Main Results for each time segment

#### 07:15 - 07:30

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	116	29	571	0.203	115	0.0	0.3	8.043	A
C-AB	218	54	770	0.283	215	0.0	0.7	6.642	A
C-A	273	68			273				
A-B	0	0			0				
A-C	491	123			491				

**07:30 - 07:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	139	35	545	0.254	138	0.3	0.3	9.021	A
C-AB	303	78	808	0.375	301	0.7	1.1	7.313	A
C-A	283	71			283				
A-B	0	0			0				
A-C	587	147			587				

**07:45 - 08:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	170	42	510	0.333	169	0.3	0.5	10.767	B
C-AB	459	115	883	0.532	455	1.1	2.1	9.125	A
C-A	259	65			259				
A-B	0	0			0				
A-C	719	180			719				

**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	170	42	510	0.333	170	0.5	0.5	10.805	B
C-AB	462	116	886	0.534	462	2.1	2.2	9.326	A
C-A	256	64			256				
A-B	0	0			0				
A-C	719	180			719				

**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	139	35	545	0.254	139	0.5	0.4	9.063	A
C-AB	306	78	811	0.377	310	2.2	1.1	7.485	A
C-A	281	70			281				
A-B	0	0			0				
A-C	587	147			587				

**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	116	29	571	0.203	116	0.4	0.3	8.090	A
C-AB	220	55	772	0.285	221	1.1	0.7	6.757	A
C-A	271	68			271				
A-B	0	0			0				
A-C	491	123			491				

# 2039DS, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		2.50	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.50	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2039DS	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	564	100.000
B - Old Fakenham Road		ONE HOUR	✓	78	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	683	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	564
	B - Old Fakenham Road	0	0	78
	C - A1067 Fakenham Road (S)	549	134	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.80	0.20	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	1
	B - Old Fakenham Road	0	0	0
	C - A1067 Fakenham Road (S)	2	0	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.007
	B - Old Fakenham Road	1.000	1.000	1.003
	C - A1067 Fakenham Road (S)	1.022	1.000	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	425	428
	17:00-17:15	507	511
	17:15-17:30	621	626
	17:30-17:45	621	626
	17:45-18:00	507	511
	18:00-18:15	425	428
B - Old Fakenham Road	16:45-17:00	58	59
	17:00-17:15	70	70
	17:15-17:30	85	86
	17:30-17:45	85	86
	17:45-18:00	70	70
	18:00-18:15	58	59
C - A1067 Fakenham Road (S)	16:45-17:00	514	523
	17:00-17:15	614	624
	17:15-17:30	751	765
	17:30-17:45	751	765
	17:45-18:00	614	624
	18:00-18:15	514	523

## 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	6.04	0.2	A	71	107
C-AB	0.49	7.85	1.9	A	319	479
C-A					318	477
A-B					0	0
A-C					522	782

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	15	588	0.100	58	0.0	0.1	6.804	A
C-AB	210	52	811	0.259	207	0.0	0.6	6.027	A
C-A	313	78			313				
A-B	0	0			0				
A-C	428	107			428				



**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	70	17	566	0.124	70	0.1	0.1	7.276	A
C-AB	294	74	857	0.343	293	0.6	1.0	6.480	A
C-A	330	83			330				
A-B	0	0			0				
A-C	511	128			511				

**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	86	21	535	0.160	85	0.1	0.2	8.030	A
C-AB	450	113	923	0.488	447	1.0	1.8	7.720	A
C-A	314	79			314				
A-B	0	0			0				
A-C	626	156			626				

**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	86	21	535	0.160	86	0.2	0.2	8.036	A
C-AB	453	113	925	0.490	453	1.8	1.9	7.850	A
C-A	312	78			312				
A-B	0	0			0				
A-C	626	156			626				

**17:45 - 18:00**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	70	17	566	0.124	70	0.2	0.1	7.287	A
C-AB	297	74	860	0.345	300	1.9	1.0	6.608	A
C-A	328	82			328				
A-B	0	0			0				
A-C	511	128			511				

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	15	588	0.100	59	0.1	0.1	6.818	A
C-AB	212	53	813	0.261	213	1.0	0.6	6.115	A
C-A	311	78			311				
A-B	0	0			0				
A-C	428	107			428				

# 2039DS\_Mitigation, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.94	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.94	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2039DS_Mitigation	AM	ONE HOUR	07:15	08:45	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	673	100.000
B - Old Fakenham Road		ONE HOUR	✓	52	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	569	100.000

## Origin-Destination Data

### Demand (Veh/hr)

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	673
	B - Old Fakenham Road	0	0	52
	C - A1067 Fakenham Road (S)	513	55	0

### Proportions

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.90	0.10	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	4
	B - Old Fakenham Road	0	0	4
	C - A1067 Fakenham Road (S)	3	2	0

### Average PCU Per Veh

From		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.041
	B - Old Fakenham Road	1.000	1.000	1.043
	C - A1067 Fakenham Road (S)	1.029	1.022	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	07:15-07:30	507	527
	07:30-07:45	605	630
	07:45-08:00	741	771
	08:00-08:15	741	771
	08:15-08:30	605	630
	08:30-08:45	507	527
B - Old Fakenham Road	07:15-07:30	39	41
	07:30-07:45	46	48
	07:45-08:00	57	59
	08:00-08:15	57	59
	08:15-08:30	46	48
	08:30-08:45	39	41
C - A1067 Fakenham Road (S)	07:15-07:30	428	441
	07:30-07:45	511	526
	07:45-08:00	626	644
	08:00-08:15	626	644
	08:15-08:30	511	526
	08:30-08:45	428	441

## 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	0.12	8.60	0.1	A	49	74
C-AB	0.22	5.43	0.7	A	134	200
C-A					403	605
A-B					0	0
A-C					643	964

### Main Results for each time segment

#### 07:15 - 07:30

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	41	10	561	0.072	40	0.0	0.1	7.199	A
C-AB	88	22	776	0.113	87	0.0	0.3	5.358	A
C-A	353	88			353				
A-B	0	0			0				
A-C	527	132			527				

07:30 - 07:45

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	48	12	534	0.091	48	0.1	0.1	7.734	A
C-AB	123	31	815	0.151	122	0.3	0.4	5.340	A
C-A	403	101			403				
A-B	0	0			0				
A-C	630	157			630				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	15	496	0.120	59	0.1	0.1	8.599	A
C-AB	189	47	872	0.217	188	0.4	0.7	5.415	A
C-A	455	114			455				
A-B	0	0			0				
A-C	771	193			771				

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	59	15	496	0.120	59	0.1	0.1	8.604	A
C-AB	190	47	873	0.217	190	0.7	0.7	5.431	A
C-A	455	114			455				
A-B	0	0			0				
A-C	771	193			771				

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	48	12	534	0.091	49	0.1	0.1	7.741	A
C-AB	124	31	816	0.151	125	0.7	0.4	5.369	A
C-A	402	101			402				
A-B	0	0			0				
A-C	630	157			630				

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	41	10	561	0.072	41	0.1	0.1	7.213	A
C-AB	88	22	777	0.114	89	0.4	0.3	5.366	A
C-A	352	88			352				
A-B	0	0			0				
A-C	527	132			527				

# 2039DS\_Mitigation, 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
J27c	Old Fakenham Road/ A1067 Fakenham Road	T-Junction	Two-way	Two-way	Two-way		0.63	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.63	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2039DS_Mitigation	PM	ONE HOUR	16:45	18:15	15	✓

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

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - A1067 Fakenham Road (N)		ONE HOUR	✓	569	100.000
B - Old Fakenham Road		ONE HOUR	✓	57	100.000
C - A1067 Fakenham Road (S)		ONE HOUR	✓	591	100.000

## Origin-Destination Data

### Demand (Veh/hr)

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	569
	B - Old Fakenham Road	0	0	57
	C - A1067 Fakenham Road (S)	0	0	0
		0	0	0

### Proportions

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0.00	0.00	1.00
	B - Old Fakenham Road	0.00	0.00	1.00
	C - A1067 Fakenham Road (S)	0.00	0.00	0.00
		0.00	0.00	0.00

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	0	0	1
	B - Old Fakenham Road	0	0	0
	C - A1067 Fakenham Road (S)	2	1	0
		0	0	0

### Average PCU Per Veh

		To		
		A - A1067 Fakenham Road (N)	B - Old Fakenham Road	C - A1067 Fakenham Road (S)
From	A - A1067 Fakenham Road (N)	1.000	1.000	1.007
	B - Old Fakenham Road	1.000	1.000	1.003
	C - A1067 Fakenham Road (S)	1.021	1.014	1.000
		1.000	1.000	1.000

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (Veh/hr)	Demand in PCU (PCU/hr)
A - A1067 Fakenham Road (N)	16:45-17:00	428	432
	17:00-17:15	512	515
	17:15-17:30	627	631
	17:30-17:45	627	631
	17:45-18:00	512	515
	18:00-18:15	428	432
B - Old Fakenham Road	16:45-17:00	43	43
	17:00-17:15	51	52
	17:15-17:30	63	63
	17:30-17:45	63	63
	17:45-18:00	51	52
	18:00-18:15	43	43
C - A1067 Fakenham Road (S)	16:45-17:00	445	454
	17:00-17:15	531	542
	17:15-17:30	650	664
	17:30-17:45	650	664
	17:45-18:00	531	542
	18:00-18:15	445	454

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.12	7.68	0.1	A	53	79
C-AB	0.10	4.72	0.2	A	65	97
C-A					488	733
A-B					0	0
A-C					526	789

### Main Results for each time segment

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	43	11	587	0.073	43	0.0	0.1	6.631	A
C-AB	43	11	819	0.052	42	0.0	0.1	4.716	A
C-A	411	103			411				
A-B	0	0			0				
A-C	432	108			432				

**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	52	13	565	0.091	51	0.1	0.1	7.036	A
C-AB	60	15	866	0.069	60	0.1	0.1	4.547	A
C-A	482	121			482				
A-B	0	0			0				
A-C	515	129			515				

**17:15 - 17:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	533	0.118	63	0.1	0.1	7.674	A
C-AB	92	23	933	0.098	92	0.1	0.2	4.360	A
C-A	572	143			572				
A-B	0	0			0				
A-C	631	158			631				

**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	63	16	533	0.118	63	0.1	0.1	7.677	A
C-AB	92	23	933	0.099	92	0.2	0.2	4.364	A
C-A	572	143			572				
A-B	0	0			0				
A-C	631	158			631				

**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	52	13	565	0.091	52	0.1	0.1	7.043	A
C-AB	60	15	866	0.069	60	0.2	0.1	4.554	A
C-A	482	121			482				
A-B	0	0			0				
A-C	515	129			515				

**18:00 - 18:15**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	43	11	587	0.073	43	0.1	0.1	6.641	A
C-AB	43	11	819	0.052	43	0.1	0.1	4.725	A
C-A	411	103			411				
A-B	0	0			0				
A-C	432	108			432				

